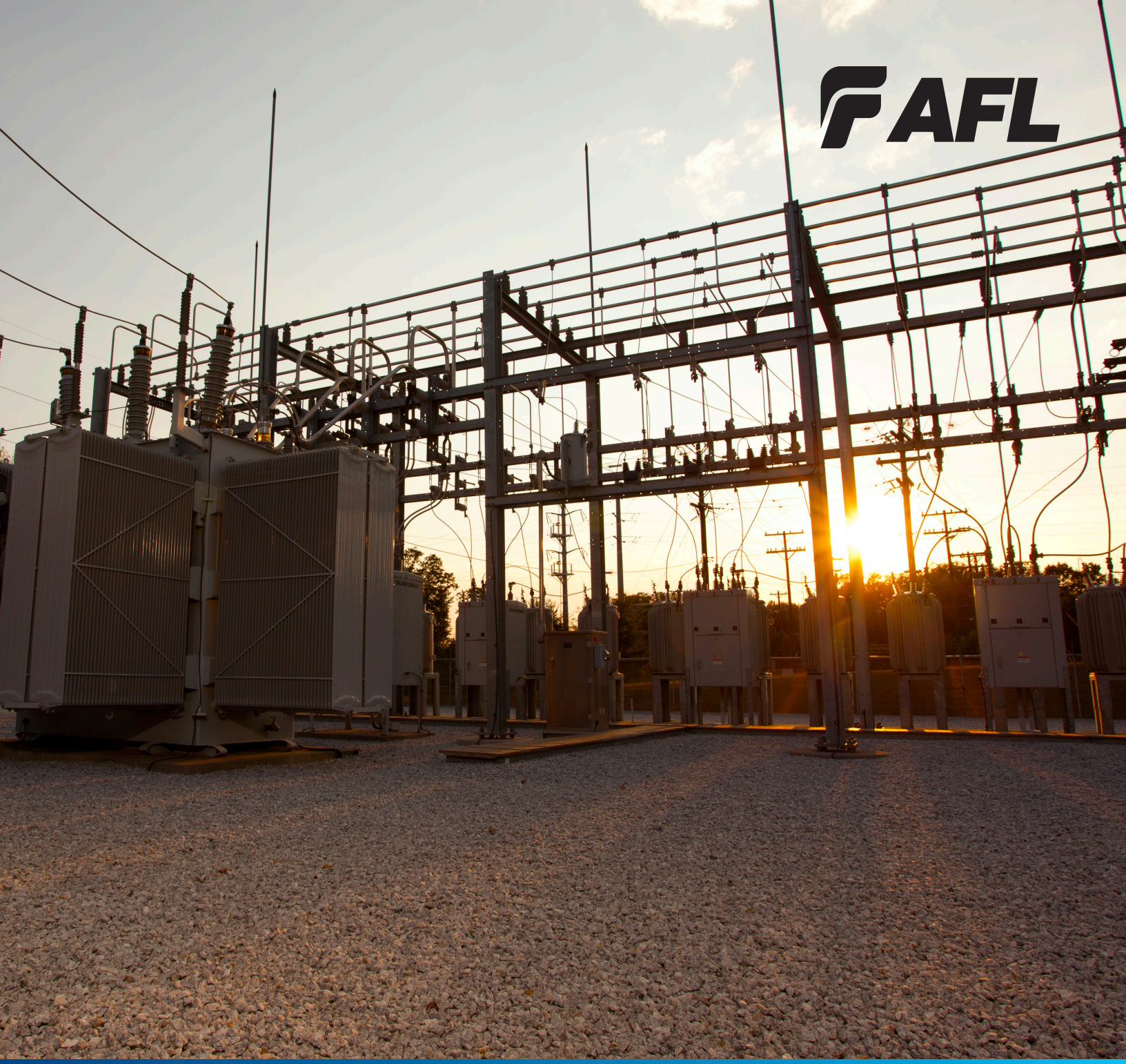


# SUBSTATION ACCESSORIES

## Bronze and Aluminum Bolted, Welded, Compression Accessories in Voltages up to 765 kV

Product Catalog

Founded in 1984, AFL is a global manufacturer providing end-to-end solutions to the broadband, energy, data center, AI and industrial markets.

With products in over 130 countries, AFL specializes in fiber optic cable and hardware, transmission/compression and substation accessories, connectivity solutions, fusion splicers, and test and inspection equipment.

Guided by customer-focused and community-centered values and a strong commitment to safety, the company operates manufacturing facilities worldwide and provides a comprehensive portfolio of services and solutions supporting network infrastructure, data centers, service providers, wireless and power grid modernization.



# Table of Contents

Pictorial Index . . . . . ix
General Information . . . . . 1

## Bronze

Bronze Connectors Table of Contents . . . . . 21
Pictorial Index . . . . . 23

### *Bronze Bus Supports*

Type AD . . . . . 31
Type CAP . . . . . 33
Type CBP . . . . . 34
Type CS . . . . . 35
Type CVSP . . . . . 36
Type HSSB, HSSC . . . . . 37
Type PA, PAP . . . . . 38
Type PB, PBP . . . . . 39
Type PL . . . . . 40
Type PLC . . . . . 41
Type PSC . . . . . 42
Type PSD, PSD-U . . . . . 43
Type PSRE . . . . . 44
Type PSS, PSS-CH . . . . . 45
Type PSSR, PSSR-CH . . . . . 46
Type PSV . . . . . 47
Type SBC . . . . . 48
Type SBS . . . . . 49
Type SAH, SAHD, SHH, SHHD . . . . . 50
Type SAV, SAVD, SHVD . . . . . 51
Type SAVS, SHVS . . . . . 52
Type SSHH, SSHHD . . . . . 53
Type XBC . . . . . 54

### *Bronze Couplers*

Type CCV-S . . . . . 55
Type CP . . . . . 56
Type HC, HC-A . . . . . 57
Type RP . . . . . 58
Type RPCV-S . . . . . 60
Type UK, UKT . . . . . 61
Type UKR . . . . . 62
Type UP2K, UP4K . . . . . 63
Type UPK . . . . . 65

### *Bronze Braided or Laminated Expansion*

Type CF-N (NEMA Pad Sizes) . . . . . 66
Type CF . . . . . 69
Type CFC . . . . . 71
Type LX . . . . . 72
Type XC, XCP, XBP . . . . . 73
Type XL . . . . . 75
Type XTP . . . . . 76
Type XTS . . . . . 78
Type XTSS, XTSS-N . . . . . 80

### *Bronze Elbows Tee & Vee Connectors*

Type BCV-S . . . . . 81
Type BP, BPA-75, BPA-80 . . . . . 82
Type BPCV-S, BP2CV-S . . . . . 84
Type BPE . . . . . 86
Type EP . . . . . 88
Type PSK, PSKS . . . . . 89
Type PX . . . . . 90
Type U2T, UUTT . . . . . 91
Type UP2T . . . . . 93
Type UPT . . . . . 95
Type UT, UUT . . . . . 97
Type UTS . . . . . 99
Type VB . . . . . 100
Type VBPS . . . . . 101

### *Bronze Parallel, Cross, and Bar Taps*

Type DGF, DGG . . . . . 102
Type DGM, DGN . . . . . 103
Type DSU, DSUS . . . . . 104
Type DSUN . . . . . 105
Type ES, ESS, ESSN . . . . . 106
Type GPEX . . . . . 107
Type GTV . . . . . 108
Type GTX . . . . . 110
Type PC . . . . . 111
Type Q2L, Q2L-E . . . . . 114
Type QL, QL-E . . . . . 115
Type TL, TL-E, T2L, T2L-E . . . . . 116
Type TRV . . . . . 117
Type UD . . . . . 118

© 2011, AFL, all rights reserved. Revision 20, 5.14.2026
Specifications are subject to change without notice.

# Table of Contents


*Bronze Parallel, Cross, and Bar Taps*

Type UDV . . . 119
Type UM . . . 120
Type UP, UP-3 . . . 121
Type WC . . . 122

*Bronze Connectors for Flat Bar*

Type BS . . . 123
Type DH, DA . . . 124
Type HAF, H2AF, H3AF, H4AF . . . 125
Type HHF, H2HF, H3HF, H4HF . . . 127
Type HSS . . . 129

*Bronze Grounding Connectors and Everdur Harware*

Type EB . . . 130
Type EN, EW, ELW, EILW . . . 131
Type G110, G111, G114, G115 . . . 132
Type GA, GAA . . . 133
Type GAM . . . 134
Type GB, GBB . . . 135
Type GCF, GCG . . . 136
Type GD . . . 137
Type GF, GFM . . . 138
Type GG . . . 139
Type GH . . . 140
Type GK . . . 141
Type GL . . . 143
Type GPC . . . 144
Type GPF . . . 146
Type GPH-N . . . 147
Type GPH . . . 148
Type GR . . . 149
Type GS . . . 150
Type GW . . . 151
Type GX . . . 153
Type GZ . . . 154
Type MTRC, MTR2C, MTR3C . . . 156
Type Q2TE, Q3TE, Q4TE . . . 157
Type Q2TS, Q3TS, Q4TS . . . 159
Type TGC . . . 161

*Bronze Stud Connectors*

Type HSC, HS2C, HS3C . . . 162
Type HSC, HSC-90 . . . 164
Type SCX, S2CX . . . 164
Type SP, SP-90 . . . 167
Type SX-A, SX-A-90 . . . 168
Type SX, SX-90, SXP . . . 169
Type US, U2S, US-90, U2S-90 . . . 171

*Bronze Spacers*

Type CASV . . . 173

*Bronze Dead End Clamps*

Type UD2E, UD2E-PG . . . 174

*Bronze End Caps*

Type CI, CI-E, CX . . . 175

*Bronze Terminals, Taps*

Type CFT . . . 176
Type CFTV-S . . . 177
Type D . . . 178
Type D2 . . . 179
Type HHL, HHL-A . . . 180
Type HL, HLA-45, HLA-90 . . . 182
Type HL, H2L, H3L, H4L . . . 184
Type HLB, H2LB . . . 186
Type HLS, HLSC . . . 188
Type PFTS . . . 189
Type Q2LB . . . 191
Type QLB, QLLB . . . 192
Type SCB-90H, SCB-90V . . . 194
Type SCB-F . . . 195
Type T2CVH, T2CVHA-45, T2CVHA-90 . . . 199
Type TCVH, TCVHA-30, TCVHA-45, TCVHA-90 . . . 201
Type TCX . . . 203
Type TP, TPA-30, TPA-45, TPA-60, TPA-90 . . . 204
Type TPC . . . 206
Type UL-90H . . . 207
Type UL-90V . . . 208
Type UL, U2L . . . 209
Type ULB, U2LB . . . 211
Type ULI, UULI . . . 213


© 2011, AFL, all rights reserved. Revision 20, 5.14.2026
Specifications are subject to change without notice.

# Table of Contents

## Bronze Compression

Bronze Compression Table of Contents . . . . . 215
Bronze Compression Pictorial Index . . . . . 216

*Bronze Compression Connectors*

Type BC2KT . . . . . 217
Type BCKT . . . . . 218
Type CST . . . . . 220
Type CSTF . . . . . 222
Type CSX . . . . . 223
Type DPC-T . . . . . 224
Type DPC-SH1, DPC-SH2, DPC-SH-90 . . . . . 225
Type DPCP, DPCP-T . . . . . 227
Type DPL, DPLA-45, DPLA-90 . . . . . 228
Type DPLE-N . . . . . 231
Type DPLS . . . . . 233
Type DPR . . . . . 236
Type LCA . . . . . 238
Type LCAE-N . . . . . 239
Bronze Installation Tool Reference . . . . . 240

## 230 kV Aluminum Bolted

230 kV Bolted Table of Contents . . . . . 243
Pictorial Index . . . . . 245

*Bolted Bus Supports*

Type 16300, 16500, 16700 . . . . . 249
Type 31400 . . . . . 250
Type CBP-AA . . . . . 251
Type CSD-AA . . . . . 252
Type CSP-AA, C2SP-AA . . . . . 252
Type CVSP-AA . . . . . 254
Type PB-AA, PBP-AA . . . . . 255
Type PL-AA . . . . . 256
Type PLH-AA . . . . . 257
Type PSC-AA . . . . . 258
Type PSD-AA, PSD-CH-AA . . . . . 259
Type PSDC-AA . . . . . 261
Type PSDCS-AA . . . . . 262
Type PSG-AA . . . . . 263
Type PSRE-AA . . . . . 264
Type PSS-AA, PSS-CH-AA . . . . . 265
Type PSSR-AA, PSSR-CH-AA . . . . . 267
Type PSU-AA . . . . . 268
Type PSV-AA . . . . . 269
Type SAH-AA, SHH-AA . . . . . 270
Type SAV-AA, SHV-AA . . . . . 271
Type XBC-AA . . . . . 273
Type XBCW-AA . . . . . 274

*Bolted Couplers*

Type BCX-AA . . . . . 275
Type CCV-AA . . . . . 276
Type CP-AA . . . . . 277
Type RCV-AA . . . . . 278
Type RP-AA . . . . . 279
Type RPCV-AA . . . . . 280
Type UK-AA . . . . . 282
Type UKR-AA . . . . . 283
Type UPK-AA . . . . . 284
Type XCW-AA . . . . . 285

*Bolted Corona Bells*

Type CI-AA . . . . . 286
Type 16200 . . . . . 287
Type CX-AA . . . . . 288

*Bolted Dead End Clamps*

Type DEC-AA, DEC-G-AA . . . . . 289
Type SEC-A-2U-AA . . . . . 290
Type SEC-AA, SEC-P-AA . . . . . 291

*Bolted Elbows*

Type EP-AA, EP-30-AA, EP-45-AA, EP-60-AA . . . . . 292

*Bolted Bar Clamps and Spacers*

Type BS-AA . . . . . 293
Type DA-AA . . . . . 294
Type DH-AA . . . . . 295

*Bolted Ground Clamps*

Type GA-AA, GAA-AA . . . . . 296
Type GD-AA . . . . . 297
Type GF-AA . . . . . 298
Type GPC-AA . . . . . 299
Type GS-AA . . . . . 301
Type GW-AA . . . . . 302
Type GCHV-AA . . . . . 303
Type GPH-AA . . . . . 304
Type GPH-N-AA . . . . . 305

© 2011, AFL, all rights reserved. Revision 20, 5.14.2026
Specifications are subject to change without notice.

# Table of Contents

*Bolted Parallel Clamps*
Type AC, ACA . . . 306
Type AC100-AA . . . 308
Type PC-AA . . . 309
Type TRV-AA . . . 311
Series 390 and 490 Distribution Parallel Groove Clamps . . . 312
Series 480 Center Bolt Clamps . . . 313
Series 580 U-Bolt Clamps . . . 314
Type UD-AA . . . 315

## 230 kV Aluminum Bolted

*Bolted Stud Connectors*
Type SCB-F-N-AA . . . 316
Type SCV-AA . . . 318
Type SCX-AA, S2CX-AA . . . 320
Type SP-AA . . . 321
Type SX-AA, SX-90-AA . . . 322
Type SXLW-SI-AA . . . 324

*Bolted Tee and Vee Connectors*
Type BAP-AA . . . 325
Type BCV-AA . . . 327
Type BP-AA, BPA-75-AA, BPA-80-AA . . . 329
Type BPCV-AA, BP2CV-AA . . . 331
Type PFTS-AA . . . 334
Type U2T-AA, UUTT-AA . . . 336
Type UPT-AA . . . 338
Type UT-AA, UUT-AA . . . 340
Type VBP-20-AA, VBP-30-AA . . . 343
Type CFTL-AA . . . 344

*Bolted Cable Spacers*
Type CASV-AA . . . 346
Type CASV-N-AA, CASV-N-90-AA . . . 348

*Bolted Terminal Connectors*
Type CFTV-AA . . . 350
Type T3CV-AA . . . 352
Type T2CV-AA, T2CVA-30-AA, T2CVA-45-AA, T2CVA-90-AA . . . 354
Type TCV-N-AA, TCVA-15-AA, TCVA-30-AA, TCVA-45-AA, TCVA-90-AA . . . 358
Type TCX-AA . . . 360
Type TP-AA, TPA-30-AA, TPA-45-AA, TPA-60-AA, TPA-90-AA . . . 362
Type TPC-AA . . . 364
Type U2L-AA, U2LA-45-AA, U2LA-90-AA . . . 366
Type UL-AA, ULA-45-AA, ULA-90-AA . . . 367
Type XLW-AA . . . 369
Type XLW-90V-AA, XLWO-AA . . . 371
Type BM Series . . . 373

*Bolted Vibration Dampers*
Type 1706 Series . . . 374

## 230 kV Aluminum Welded

230 kV Welded Table of Contents . . . 377
Pictorial Index . . . 379

*Welded Bus Supports*
Type HPS-AA, HPS-CH-AA . . . 381
Type PLHS-AA, PLHS-CH-AA . . . 383
Type PLHSO-AA . . . 384
Type WPS-AA . . . 385
Type WPSO-AA . . . 387
Type WPSSL-AA . . . 388
Type WPSV-AA . . . 389
Type WXBC-AA . . . 390

*Welded Couplers*
Type 14700 . . . 392
Type 15100 . . . 394
Type WS-AA, WS-E-AA . . . 396
Type WSXL-SI-AA . . . 397
Type WWC-AA, WWC-E-AA . . . 398
Type WWCR-AA, WWCR-E-AA . . . 399
Type WWSC-AA . . . 400
Type XWWC-AA, XWWC-E-AA . . . 401
Type XWWCT-AA . . . 402

*Welded End Bells*
Type WCX-AA . . . 403
Type WCI-AA, WCI-E-AA . . . 404
Type WP-AA, WP-E-AA . . . 405

*Welded Elbows*
Type WEPI-AA, WEPI-30-AA, WEPI-45-AA, WEPI-60-AA . . . 406

*Welded Pipe Taps and Extensions*
Type WGPH-AA . . . 408
Type WTC-AA . . . 409
Type WTF-AA . . . 410

*Welded Tee and Vee Connectors*
Type 1000 Series . . . 411
Type WT-AA, WTA-75-AA, WTA-80-AA . . . 413
Type WVBP-20-AA, WVBP-30-AA . . . 415

© 2011, AFL, all rights reserved. Revision 20, 5.14.2026
Specifications are subject to change without notice.

# Table of Contents


*Welded Terminal Connectors*

Type 15950, 15960 Series . . . 417
Type 34300 . . . 418
Type WP2C-N-AA, WP2CA-N-45-AA, WP2CA-N-90-AA . . . 419
Type WPC-N-AA, WPCA-N-45-AA, WPCA-N-90-AA . . . 422
Type WTP-N-AA . . . 426
Type WTPA-N-45-AA . . . 428
Type WTPA-N-90-AA . . . 430
Type WTPC-N-AA . . . 432
Type WTPI-N-AA, WTPIA-N-45-AA, WTPIA-N-90-AA . . . 433
Type WTPIC-N-AA . . . 435
Type WTPO-N-AA, WTPOA-N-45-AA, WTPOA-N-90-AA, . . . 436
Type WTPOC-AA . . . 439
Type WWSC-N-AA . . . 440
Type WXL-90V-AA . . . 441
Type WXL-AA, WXL-E-AA . . . 443
Type WXLO-AA, WXLO-E-AA . . . 445

## 230 kV Aluminum Compression

230 kV Compression Table of Contents . . . 447
Pictorial Index . . . 448

*Compression Connectors*

Type 2600, 2700 Series . . . 449
Type 2800 Series . . . 450
Type 3400 Series . . . 451
Type 5000 Series . . . 452
5500 Series Tee Connector, ACSR . . . 455
5500 Series Tee Connector, AAC . . . 458
Type S5600, S5100 Series . . . 461
Type S5600-45, S5800 Series . . . 467
Type DP2L-V-EC . . . 472

## 345 kV and 500 kV

345 kV and 500 kV Table of Contents . . . 473
Pictorial Index . . . 475

*Bus Supports*

Type PSD-V-AA, PSD-V-CH-AA . . . 479
Type HPS-HV-AA . . . 480
Type WPS-V-AA, WPS-V-CH-AA . . . 481
Type WPSSL-V-AA . . . 483
Type 34700 EHV . . . 485
Type WXBC-V-AA . . . 486
Type WXBC-HV-AA . . . 487
Type C2SWB-V-AA . . . 488
Type 15700 EHV . . . 491
Type 32800 EHV . . . 492
Type 35700 EHV . . . 493
Type 33800 EHV . . . 494

*Couplers*

Type CP-V-AA . . . 495
Type CPV-V-AA . . . 496
Type WWC-AA, WWC-E-AA . . . 497
Type WWCR-V-AA . . . 498
Type XWWC-V-AA, XWWC-HV-AA . . . 499
Type XWWCT-HV-AA . . . 500
Type WRP3C-8-V-AA . . . 501
Type 35300 EHV . . . 502

*Vibration Dampers*

Type 1705-EHV, 1706-EHV . . . 503

*Corona Bells*

Type CXBHV-AA, CXWHV-AA . . . 504

*Tee Connectors*

Type BAP-V-AA . . . 505
Type PFTS-V-AA . . . 506
Type BPA-75-V-AA . . . 508
Type WT-AA, WTA-75-AA, WTA-80-AA . . . 509
Type WTC-V-AA, WTF-V-AA . . . 512
Type WVBP-20-V-AA, WVBP-30-V-AA . . . 513
Type BPC-V-AA . . . 515
Type CFT-V-AA . . . 516
Type VBP-30-V-AA . . . 517

*Tee Connectors*

Type 1000-EHV . . . 518
Type WT3C-8-V-AA . . . 520
Type 3500-EHV . . . 521
Type BC-V-AA . . . 523
Type 34900-EHV . . . 525
Type 34992-EHV, 34993-EHV . . . 528
Type 34996-EHV, 34997-EHV . . . 531

*Connectors*

Type 15100-EHV . . . 534
Type 14700-EHV . . . 535


© 2011, AFL, all rights reserved. Revision 20, 5.14.2026
Specifications are subject to change without notice.

# Table of Contents

## 345 kV and 500 kV

*Terminal Connectors*

Type TP-4N4-V-AA, TPA-4N4-90-V-AA . . . 536
Type WTPC-4N4-V-AA . . . 538
Type WTPI-V-AA, WTPIA-90-V-AA . . . 539
Type WTPIC-V-AA, WTPIC-E-V-AA . . . 541
Type WXL-V-AA, WXL-HV-AA . . . 542
Type TC-V-AA, T2C-V-AA . . . 543
Type WPC-V-AA, WP2C-V-AA . . . 545
Type WPCA-45-V-AA, WP2CA-45-V-AA . . . 548
Type 34200E-EHV . . . 550
Type 34300-EHV . . . 551
Type APTV-V-AA . . . 552
Type APT-V-AA . . . 553
Type TWTC-4N4-8-V-AA . . . 554
Type 34994-EHV, 34995E-EHV . . . 555
Type 34999E-EHV . . . 558
Type 33900, 34000 INLINE . . . 561
Type 38900-EHV . . . 563

*Elbows*

Type WEPI-AA, WEPI-30-AA, WEPI-45-AA, WEPI-60-AA . . . 564
Type 35400, 35500 . . . 566

*Ground Jumpers*

Type WGPHV-AA . . . 567
Type 34600-EHV . . . 568
Type 34650-EHV . . . 569
Type 34620-EHV . . . 570

*Spacer Clamps*

Type 1800-EHV . . . 571
Type CAS-V-AA . . . 572
Type CAS-N-V-AA, CAS-N-90-V-AA . . . 575
Type 38100-EHV . . . 578
Type 38400-EHV, 38500-EHV . . . 579
Type 38300-EHV . . . 580

*Hardware Shields*

Type CSBE-V-AA, 4040-EHV, 6040-EHV . . . 581

*Parallel Clamps*

Type PC-V-AA . . . 582
Type 35600-EHV . . . 584

*Stud Connector*

Type SCB-F-V-AA . . . 585

*Compression Connectors*

Type 2800-EHV, 5300-EHV . . . 586
Type 2900-EHV . . . 587
Type 5400 . . . 588
Type 5500 . . . 589
Type 5000-EHV . . . 591
Type 2500-EHV . . . 592
Type 2600, 2700 . . . 593
Type 3400-EHV . . . 594
Type S5600-EHV, S5100-EHV . . . 595
Type S5600-45-EHV, S5800-EHV . . . 598
Type DP2L-V-EC . . . 603

## 500 kV High Temperature

Table of Contents . . . 605
Pictorial Index . . . 606

*High Temperature Bus Supports*

C2SWB-V-AA-HT NEW . . . 607
33800-EHV-HT NEW . . . 610

*High Temperature Connectors*

CFTL-N-V-AA-HT NEW . . . 611
TCL-N-V-AA-HT NEW . . . 612
Type APT-N-V-AA-HT NEW . . . 613

## 765 kV

7765 kV Table of Contents . . . 615
Pictorial Index . . . 617

*Bus Supports*

Type B6998 Series . . . 619
Type B7107 Series . . . 620
Type B7582-A Series . . . 621
Type C7009 Series . . . 622

*Couplers*

Type B7070 Series . . . 623
Type WWC-AA, WWC-E-AA . . . 624

*Corona Bells*

Type 34443, CXBV600 Series . . . 625

© 2011, AFL, all rights reserved. Revision 20, 5.14.2026
Specifications are subject to change without notice.



AFL
AFLglobal.com
1 (800) 890-8878

# Table of Contents

## 765 kV

*Tee Connectors*

Type BAC-EHV-AA . . . 626
Type BCW-EHV-AA . . . 627
Type B7568-A Series . . . 628
Type B7071 Series . . . 629
Type B7072 Series . . . 630
Type B7095 Series . . . 631
Type B7006 Series . . . 632
Type B7875 Series . . . 633
Type B7096-A Series . . . 634
Type B7566, B7565 Series . . . 635
Type B7876, B7882 Series . . . 636
Type WT-EHV-AA . . . 637
Type WRP2CA-20-EHV-AA, WRP2CA-45-EHV-AA . . . 638

*Terminal Connectors*

Type WPC-4S4-AA-WH, WPCA-4S4-90-AA-WH . . . 639
Type WPCA-20-AA-WH, WPCA-45-AA-WH, WPCA-75-AA-WH . . . 640
Type WPCA-15L-AA-WH, WPCA-15R-AA-WH, WPCA-15L-20-AA-WH, WPCA-15R-20-AA-WH . . . 641
Type B7094, B7567 Series . . . 642
Type B7001 Series . . . 643
Type WP2CA-45-EHV-AA . . . 644
Type B7583-A Series . . . 645
Type B7878-A Series . . . 646

*Ground Stud*

Type 34640-EHV Series . . . 647

*Spacer Clamps*

Type C6999-A, B7073 Series . . . 648

*Vibration Damper*

Type 1705, B7384 Series . . . 649

*Stud Connector*

Type B7004-A Series . . . 650
Type B7074-A Series . . . 651
Type B7108-A Series . . . 652
Type B7879-A, B7880 Series . . . 653

## Bus Conductors

Bus Conductors Table of Contents . . . 655
Benefits of Aluminum Bus Conductors . . . 657
Alloys and Tempers . . . 657
Special Finishes and Packaging . . . 657
Factors to Consider When Selecting a Bus Conductor . . . 657
Conductivity . . . 657
Ampacity . . . 657
Lengths . . . 657
Frequently Asked Questions . . . 658
Bus Packaging Options . . . 659
Seamless Bus Pipe . . . 660
Seamless Bus Tube . . . 662
Rectangular Bar—Sharp Corners . . . 664
Rectangular Bar—Rounded Corners . . . 665
Integral Web Bus Conductor (IWBC) . . . 668
Universal Angle Bus Conductor (UABC) . . . 670
Mechanical Properties of Aluminum Bus Conductors . . . 672
Bending and Forming . . . 673
Deflection Values – Schedule 40 Aluminum Pipe . . . 674
Deflection Values – Schedule 80 Aluminum Pipe . . . 675
Welding Aluminum Bus to Aluminum Connectors . . . 676
General Welding Specifications—Tubular Aluminum Bus Conductor . . . 677

## Bus Dampers

Bus Dampers Table of Contents . . . 679
Bus Vibration . . . 681
Universal Angle Bus Conductor (UABC) . . . 682
Integral Web Bus Conductor (IWBC) . . . 682
Damper Spacing—Rigid Bus . . . 682
Recommended Sizes of ACSR to be Inserted in Tubular Bus to Prevent Vibration . . . 684
Type 1706 Series Bus Vibration Dampers . . . 685
Bus Vibration Dampers—Tube . . . 686
External Bus Vibration Damper for Tubular Bus . . . 687
Bus Vibration Test Data . . . 688

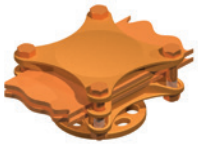
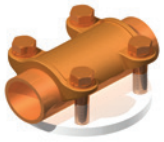
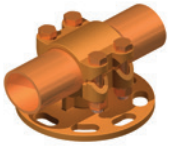
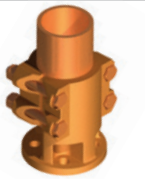
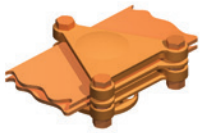
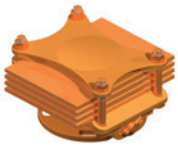
## Compounds

Compounds Table of Contents . . . 691
Compounds Pictorial Index . . . 692
AFL No. 2 Electrical Joint Compound (No. 2 EJC) . . . 693
Alnox® Electrical Joint Compound . . . 694
AFL Filler Compound . . . 695
HiTemp® Universal Compound (HiTUC) . . . 696

© 2011, AFL, all rights reserved. Revision 20, 5.14.2026
Specifications are subject to change without notice.

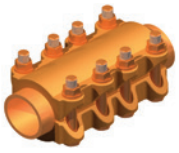
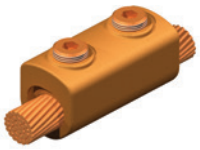
© 2011, AFL, all rights reserved. Revision 20, 5.14.2026
Specifications are subject to change without notice.

## Bronze Bus Supports

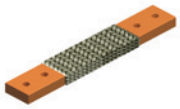
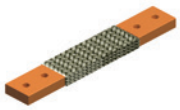
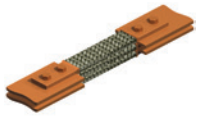
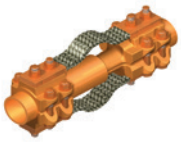
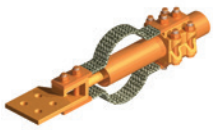
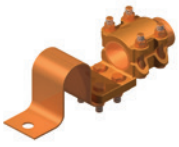

| | |
|---|---|
|  | AD SERIES<br>PG. 31 |
|  | CAP SERIES<br>PG. 33 |
|  | CBP SERIES<br>PG. 34 |
|  | CS SERIES<br>PG. 35 |
|  | CVSP SERIES<br>PG. 36 |
|  | HSSB SERIES<br>PG. 37 |
|  | PA SERIES<br>PG. 38 |
|  | PB SERIES<br>PG. 39 |
|  | PL SERIES<br>PG. 40 |
|  | PLC SERIES<br>PG. 41 |
|  | PSC SERIES<br>PG. 42 |
|  | PSD SERIES<br>PG. 43 |
|  | PSD-U SERIES<br>PG. 43 |
|  | PSRE SERIES<br>PG. 44 |
|  | PSS SERIES<br>PG. 45 |
|  | PSSR SERIES<br>PG. 46 |
|  | PSV SERIES<br>PG. 47 |
|  | SBC SERIES<br>PG. 48 |
|  | SBS SERIES<br>PG. 49 |
|  | SAH SERIES<br>PG. 50 |
|  | SHH SERIES<br>PG. 50 |
|  | SAV SERIES<br>PG. 51 |
|  | SHV SERIES<br>PG. 51 |
|  | SAVS SERIES<br>PG. 52 |
|  | SHVS SERIES<br>PG. 52 |
|  | SSHH SERIES<br>PG. 53 |
|  | XBC SERIES<br>PG. 54 |


© 2011, AFL, all rights reserved. Revision 13, 5.14.2026
Specifications are subject to change without notice.

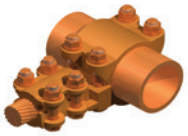
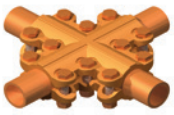
## Bronze Couplers


| | |
|---|---|
|  | CCV-S SERIES<br>PG. 55 |
|  | CP SERIES<br>PG. 56 |
|  | HC SERIES<br>PG. 57 |
|  | RP SERIES<br>PG. 58 |
|  | RPCV-S SERIES<br>PG. 60 |
|  | UK SERIES<br>PG. 61 |
|  | UKR SERIES<br>PG. 62 |
|  | UP2K SERIES<br>PG. 63 |
|  | UPK SERIES<br>PG. 65 |

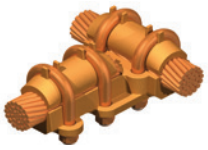
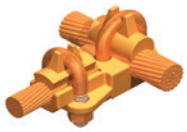
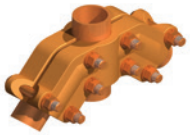

## Bronze Braided or Laminated Expansion


| | |
|---|---|
|  | CF-N SERIES<br>PG. 66 |
|  | CF SERIES<br>PG. 69 |
|  | CFC SERIES<br>PG. 71 |
|  | LX SERIES<br>PG. 72 |
|  | XC SERIES<br>PG. 73 |
|  | XL SERIES<br>PG. 75 |
|  | XTP SERIES<br>PG. 76 |
|  | XTS SERIES<br>PG. 78 |
|  | XTSS SERIES<br>PG. 80 |

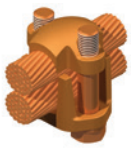
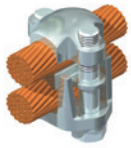

## Bronze Elbows, Tee and Vee Connectors

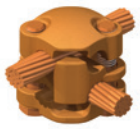
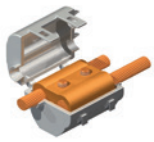

| | |
|---|---|
|  | BCV-S SERIES<br>PG. 81 |
|  | BP SERIES<br>PG. 82 |
|  | BPCV-S SERIES<br>PG. 84 |
|  | BPE SERIES<br>PG. 86 |
|  | EP SERIES<br>PG. 88 |
|  | PSK SERIES<br>PG. 89 |
|  | PX SERIES<br>PG. 90 |
|  | U2T SERIES<br>PG. 91 |
|  | UP2T SERIES<br>PG. 93 |
|  | UPT SERIES<br>PG. 95 |


© 2011, AFL, all rights reserved. Revision 13, 5.14.2026
Specifications are subject to change without notice.

| | |
|---|---|
|  | UT SERIES<br>PG. 97 |
|  | UTS SERIES<br>PG. 99 |
|  | VB SERIES<br>PG. 100 |
|  | VBPS SERIES<br>PG. 101 |

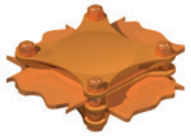
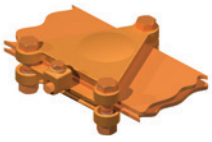
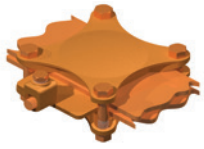
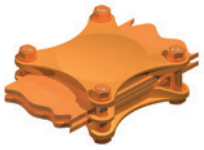
**Bronze Parallel, Cross, and Bar Taps**

| | |
|---|---|
|  | DGF SERIES<br>PG. 102 |
|  | DGM SERIES<br>PG. 103 |
|  | DSU SERIES<br>PG. 104 |
|  | DSUN SERIES<br>PG. 105 |
|  | ES SERIES<br>PG. 106 |

| | |
|---|---|
|  | GPEX SERIES<br>PG. 107 |
|  | GTV SERIES<br>PG. 108 |
|  | GTX SERIES<br>PG. 110 |
|  | PC SERIES<br>PG. 111 |
|  | Q2L SERIES<br>PG. 114 |
|  | QL SERIES<br>PG. 115 |
|  | TL SERIES<br>PG. 116 |
|  | TRV SERIES<br>PG. 117 |
|  | UD SERIES<br>PG. 118 |
|  | UDV SERIES<br>PG. 119 |

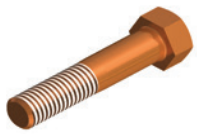
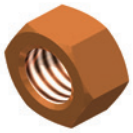
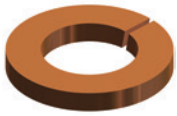
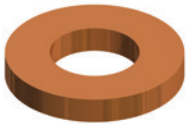
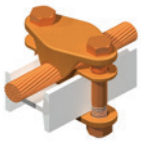
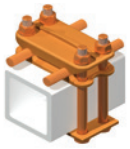
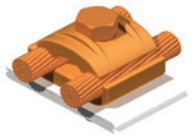
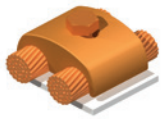
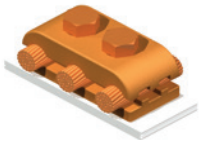
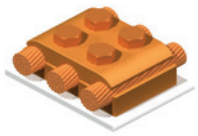
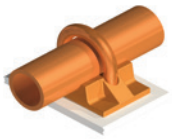
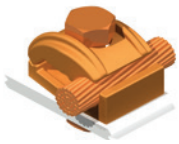
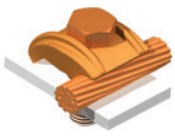
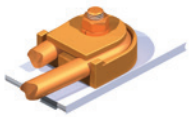
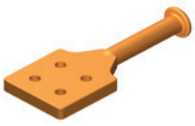
| | |
|---|---|
|  | UM SERIES<br>PG. 120 |
|  | UP SERIES<br>PG. 121 |
|  | WC SERIES<br>PG. 122 |

**Bronze Connectors for Flat Bar**

| | |
|---|---|
|  | BS SERIES<br>PG. 123 |
|  | DH SERIES<br>PG. 124 |
|  | HAF SERIES<br>PG. 125 |
|  | HHF SERIES<br>PG. 127 |
|  | HSS SERIES<br>PG. 129 |


© 2011, AFL, all rights reserved. Revision 13, 5.14.2026
Specifications are subject to change without notice.

## Bronze Grounding Connectors And Everdur Hardware


| | |
|---|---|
|  | EB SERIES<br>PG. 130 |
|  | EN SERIES<br>PG. 131 |
|  | ELW SERIES<br>PG. 131 |
|  | EILW SERIES<br>PG. 131 |
|  | EW SERIES<br>PG. 131 |
|  | G110 SERIES<br>PG. 132 |
|  | G111 SERIES<br>PG. 132 |
|  | G114 SERIES<br>PG. 132 |
|  | G115 SERIES<br>PG. 132 |
|  | GA SERIES<br>PG. 133 |
|  | GAM SERIES<br>PG. 134 |
|  | GB SERIES<br>PG. 135 |
|  | GBB SERIES<br>PG. 135 |
|  | GCF SERIES<br>PG. 136 |
|  | GCG SERIES<br>PG. 136 |
|  | GD SERIES<br>PG. 137 |
|  | GF SERIES<br>PG. 138 |
|  | GFM SERIES<br>PG. 138 |
|  | GG SERIES<br>PG. 139 |
|  | GH SERIES<br>PG. 140 |
|  | GK SERIES<br>PG. 141 |
|  | GL SERIES<br>PG. 143 |
|  | GPC SERIES<br>PG. 144 |
|  | GPF SERIES<br>PG. 146 |
|  | GPH-N SERIES<br>PG. 147 |
|  | GPH SERIES<br>PG. 148 |
|  | GR SERIES<br>PG. 149 |
|  | GS SERIES<br>PG. 150 |
|  | GW SERIES<br>PG. 151 |

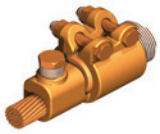
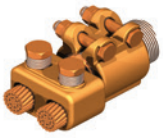
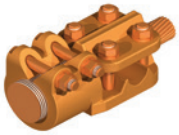
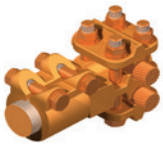
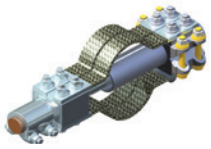
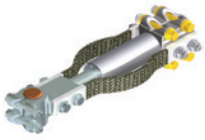
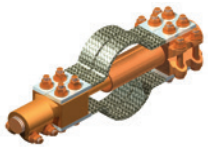
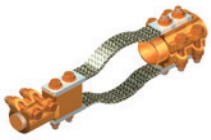
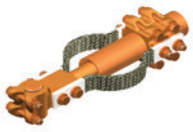
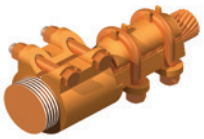
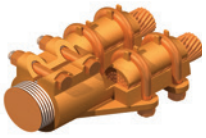
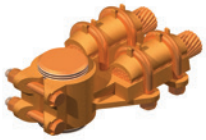

© 2011, AFL, all rights reserved. Revision 13, 5.14.2026
Specifications are subject to change without notice.



AFL | AFLglobal.com
1 (800) 890-8878

| | |
|---|---|
|  | GX SERIES<br>PG. 153 |
|  | GZ SERIES<br>PG. 154 |
|  | MTRC SERIES<br>PG. 156 |
|  | MTR2C SERIES<br>PG. 156 |
|  | MTR3C SERIES<br>PG. 156 |
|  | Q2TE SERIES<br>PG. 157 |
|  | Q3TE SERIES<br>PG. 157 |
|  | Q4TE SERIES<br>PG. 157 |
|  | Q2TS SERIES<br>PG. 159 |
|  | Q3TS SERIES<br>PG. 159 |
|  | Q4TS SERIES<br>PG. 159 |
|  | TGC SERIES<br>PG. 161 |

**Bronze Stud Connectors**

| | |
|---|---|
|  | HSC SERIES<br>PG. 162 |
|  | HS2C SERIES<br>PG. 162 |
|  | HS3C SERIES<br>PG. 162 |
|  | HSC-90 SERIES<br>PG. 164 |
|  | SCX SERIES<br>PG. 165 |
|  | S2CX SERIES<br>PG. 165 |
|  | SP SERIES<br>PG. 167 |
|  | SP-90 SERIES<br>PG. 167 |
|  | SX-A SERIES<br>PG. 168 |
|  | SX-A-90 SERIES<br>PG. 168 |
|  | SX SERIES<br>PG. 169 |
|  | SXP SERIES<br>PG. 169 |
|  | SX-90 SERIES<br>PG. 169 |
|  | US SERIES<br>PG. 171 |
|  | U2S SERIES<br>PG. 171 |
|  | US-90 SERIES<br>PG. 171 |
|  | U2S-90 SERIES<br>PG. 171 |


© 2011, AFL, all rights reserved. Revision 13, 5.14.2026
Specifications are subject to change without notice.



AFL | AFLglobal.com
1 (800) 890-8878

**Bronze Spacers**



CASV SERIES — PG. 173

**Bronze Dead End Clamps**

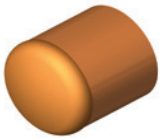


UD2E SERIES — PG. 174

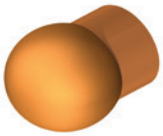


UD2E-PG SERIES — PG. 174

**Bronze End Caps**

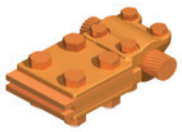


CI SERIES — PG. 175

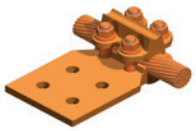


CX SERIES — PG. 175

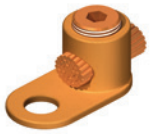
**Bronze Terminals, Taps**



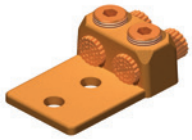
CFT SERIES — PG. 176



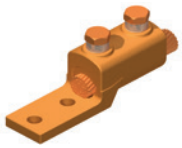
CFTV-S SERIES — PG. 177



D SERIES — PG. 178



D2 SERIES — PG. 179



HHL SERIES — PG. 180



HL SERIES — PG. 182



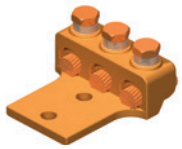
HLA-45 SERIES — PG. 182



HLA-90 SERIES — PG. 182



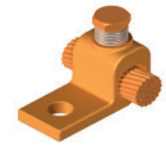
H2L SERIES — PG. 184



H3L SERIES — PG. 184



H4L SERIES — PG. 184



HLB SERIES — PG. 186



H2LB SERIES — PG. 186



HLS SERIES — PG. 188



HLSC SERIES — PG. 188



PFTS SERIES — PG. 189



Q2LB SERIES — PG. 191



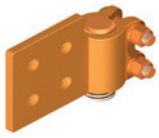
QLB SERIES — PG. 192



QLLB SERIES — PG. 192



SCB-90H SERIES — PG. 194



SCB-90V SERIES — PG. 194



SCB-F SERIES — PG. 195

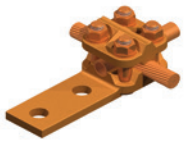
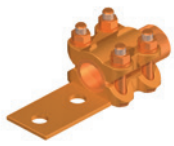
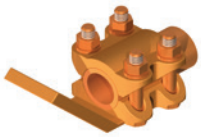
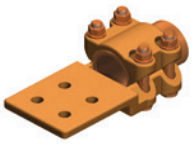
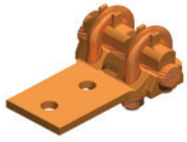
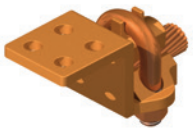


T2CVH SERIES — PG. 199

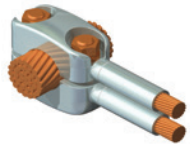
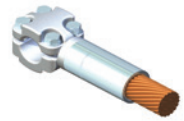
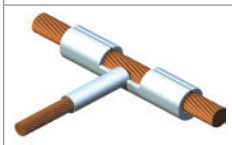
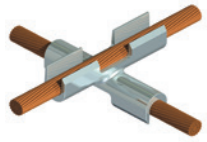

© 2011, AFL, all rights reserved. Revision 13, 5.14.2026
Specifications are subject to change without notice.

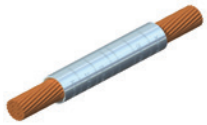
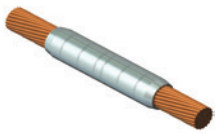


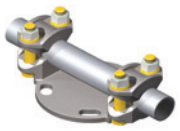
AFL | AFLglobal.com
1 (800) 890-8878

| | |
|---|---|
|  | T2CVHA-45 SERIES<br>PG. 199 |
|  | T2CVHA-90 SERIES<br>PG. 199 |
|  | TCVH SERIES<br>PG. 201 |
|  | TCVHA-30 SERIES<br>PG. 201 |
|  | TCVHA-45 SERIES<br>PG. 201 |
|  | TCVHA-90 SERIES<br>PG. 201 |
|  | TCX SERIES<br>PG. 203 |
|  | TP SERIES<br>PG. 204 |
|  | TPA-30 SERIES<br>PG. 204 |
|  | TPA-45 SERIES<br>PG. 204 |
|  | TPA-60 SERIES<br>PG. 204 |
|  | TPA-90 SERIES<br>PG. 204 |
|  | TPC SERIES<br>PG. 206 |
|  | UL-90H SERIES<br>PG. 207 |
|  | UL-90V SERIES<br>PG. 208 |
|  | UL SERIES<br>PG. 209 |
|  | U2L SERIES<br>PG. 209 |
|  | ULB SERIES<br>PG. 211 |
|  | U2LB SERIES<br>PG. 211 |
|  | ULI SERIES<br>PG. 213 |
|  | UULI SERIES<br>PG. 213 |


© 2011, AFL, all rights reserved. Revision 13, 5.14.2026
Specifications are subject to change without notice.

| Bronze Compression Connectors | |
|---|---|
|  | BC2KT SERIES |
| | PG. 217 |
|  | BCKT SERIES |
| | PG. 218 |
|  | CST SERIES |
| | PG. 220 |
|  | CSTF SERIES |
| | PG. 222 |
|  | CSX SERIES |
| | PG. 223 |
|  | DPC-T SERIES |
| | PG. 224 |
|  | DPC-SH-1 SERIES |
| | PG. 225 |
|  | DPC-SH-90 SERIES |
| | PG. 225 |

| | |
|---|---|
|  | DPCP SERIES |
| | PG. 227 |
|  | DPCP-T SERIES |
| | PG. 227 |
|  | DPL SERIES |
| | PG. 228 |
|  | DPLE-N SERIES |
| | PG. 231 |
|  | DPLS SERIES |
| | PG. 233 |
|  | DPR SERIES |
| | PG. 236 |
|  | LCA SERIES |
| | PG. 238 |
|  | LCAE-N SERIES |
| | PG. 239 |

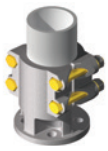
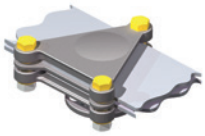
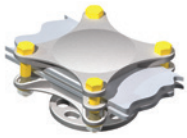
| 230 kV Aluminum Bolted Bus Supports | |
|---|---|
|  | 16300, 16500, 16700 SERIES |
| | PG. 249 |
|  | 31400 SERIES |
| | PG. 250 |
|  | CBP-AA SERIES |
| | PG. 251 |
|  | CSD-AA SERIES |
| | PG. 252 |
|  | CSP-AA SERIES |
| | PG. 253 |
|  | C2SP-AA SERIES |
| | PG. 253 |
|  | CVSP-AA SERIES |
| | PG. 254 |
|  | PB-AA SERIES |
| | PG. 255 |
|  | PBP-AA SERIES |
| | PG. 255 |


© 2011, AFL, all rights reserved. Revision 13, 5.14.2026
Specifications are subject to change without notice.

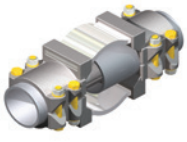


AFL | AFLglobal.com
1 (800) 890-8878

| | |
|---|---|
|  | PL-AA SERIES<br>PG. 256 |
|  | PLH-AA SERIES<br>PG. 257 |
|  | PSC-AA SERIES<br>PG. 258 |
|  | PSD-CH-AA SERIES<br>PG. 259 |
|  | PSDC-AA SERIES<br>PG. 261 |
|  | PSDCS-AA SERIES<br>PG. 262 |
|  | PSG-AA SERIES<br>PG. 263 |
|  | PSRE-AA SERIES<br>PG. 264 |
|  | PSS-AA SERIES<br>PG. 265 |
|  | PSS-CH-AA SERIES<br>PG. 265 |

| | |
|---|---|
|  | PSSR-AA SERIES<br>PG. 267 |
|  | PSU-AA SERIES<br>PG. 268 |
|  | PSV-AA SERIES<br>PG. 269 |
|  | SAH-AA SERIES<br>PG. 270 |
|  | SHH-AA SERIES<br>PG. 270 |
|  | SAV-AA SERIES<br>PG. 271 |
|  | SHV-AA SERIES<br>PG. 271 |
|  | XBC-AA SERIES<br>PG. 273 |
|  | XBCW-AA SERIES<br>PG. 274 |

**230 kV Aluminum Bolted Couplers**

| | |
|---|---|
|  | BCX-AA SERIES<br>PG. 275 |
|  | CCV-AA SERIES<br>PG. 276 |
|  | CP-AA SERIES<br>PG. 277 |
|  | RCV-AA SERIES<br>PG. 278 |
|  | RP-AA SERIES<br>PG. 279 |
|  | RPCV-AA SERIES<br>PG. 280 |
|  | UK-AA SERIES<br>PG. 282 |
|  | UKR-AA SERIES<br>PG. 283 |
|  | UPK-AA SERIES<br>PG. 284 |
|  | XCW-AA SERIES<br>PG. 285 |


© 2011, AFL, all rights reserved. Revision 13, 5.14.2026
Specifications are subject to change without notice.

## 230 kV Aluminum Bolted Corona Bells



CI-AA SERIES
PG. 286



16200 SERIES
PG. 287



CX-AA SERIES
PG. 288

## 230 kV Aluminum Dead End Clamps



DEC-AA SERIES
PG. 289



DEC-G-AA
PG. 289



SEC-A-2U SERIES
PG. 290



SEC-AA SERIES
PG. 291

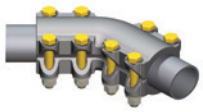
## 230 kV Aluminum Bolted Elbows



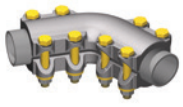
EP-AA SERIES
PG. 292



EP-30-AA SERIES
PG. 292



EP-45-AA SERIES
PG. 292

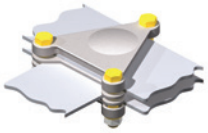


EP-60-AA SERIES
PG. 292

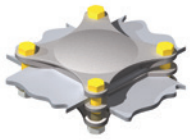
## 230 kV Aluminum Bolted Bar Clamps And Spacers



BS-AA SERIES
PG. 293



DA-AA SERIES
PG. 294



DH-AA SERIES
PG. 295

## 230 kV Aluminum Bolted Ground Clamps



GA-AA, GAA-AA SERIES
PG. 296



GD-AA SERIES
PG. 297



GF-AA SERIES
PG. 298



GPC-AA SERIES
PG. 299



GS-AA SERIES
PG. 301



GW-AA SERIES
PG. 302



GCHV-AA SERIES
PG. 303



GPH-AA SERIES
PG. 304



GPH-N-AA SERIES
PG. 305

© 2011, AFL, all rights reserved. Revision 13, 5.14.2026
Specifications are subject to change without notice.

## 230 kV Aluminum Bolted Parallel Clamps



AC, ACA SERIES — PG. 306

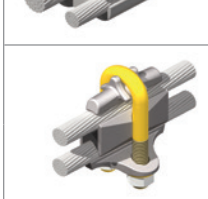

AC100-AA SERIES — PG. 308


PC-AA SERIES — PG. 309


TRV-AA SERIES — PG. 311


390, 490 SERIES — PG. 312


480 SERIES — PG. 312


580 SERIES — PG. 314


UD-AA SERIES — PG. 315

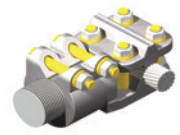

## 230 kV Aluminum Bolted Stud Connectors

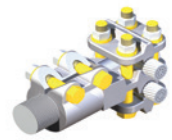


SCB-F-N-AA SERIES — PG. 316

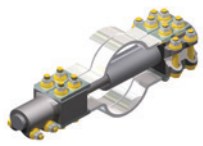


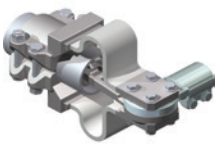

SCV-AA SERIES — PG. 318


SCX-AA SERIES — PG. 320


S2CX-AA SERIES — PG. 320


SP-AA SERIES — PG. 321


SX-AA SERIES — PG. 322


SXLW-SI-AA SERIES — PG. 324


## 230 kV Aluminum Bolted Tee and Vee Connectors



BAP-AA SERIES — PG. 325


BCV-AA SERIES — PG. 327


BP-AA, BPA-AA SERIES — PG. 329

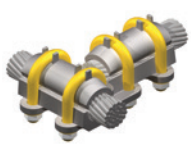


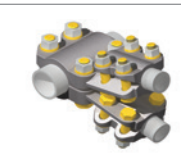

BPCV-AA, BP2CV-AA SERIES — PG. 331


PFTS-AA SERIES — PG. 334


U2T-AA, UUTT-AA SERIES — PG. 336


UPT-AA SERIES — PG. 338


UT-AA, UUT-AA SERIES — PG. 340


VBP-AA SERIES — PG. 343


CFTL-AA SERIES — PG. 345


## 230 kV Aluminum Bolted Cable Spacers

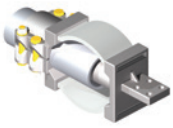
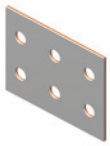


CASV-AA SERIES — PG. 346


CASV-N-AA, CASV-N-90-AA SERIES — PG. 348


© 2011, AFL, all rights reserved. Revision 13, 5.14.2026
Specifications are subject to change without notice.

## 230 kV Aluminum Bolted Terminal Connectors


| | |
|---|---|
|  | CFTV-AA SERIES<br>PG. 350 |
|  | T3CV-AA<br>PG. 352 |
|  | T2CV-AA, T2CVA-30-AA, -45, -90 SERIES<br>PG. 354 |
|  | TCV-AA, TCVA-15-AA, -30, -45, -90 SERIES<br>PG. 358 |
|  | TCX-AA SERIES<br>PG. 360 |
|  | TP, TPA-30-AA, -45, -90 SERIES<br>PG. 362 |
|  | TPC-AA SERIES<br>PG. 364 |
|  | U2L-AA, U2LA-45-AA, -90 SERIES<br>PG. 366 |
|  | UL-AA, ULA-45-AA, -90 SERIES<br>PG. 367 |
|  | XLW-AA SERIES<br>PG. 369 |
|  | XLW-90V-AA, XLWO-AA SERIES<br>PG. 371 |
|  | BM SERIES<br>PG. 372 |


## 230 kV Aluminum Bolted Vibration Bampers


| | |
|---|---|
|  | 1706 SERIES<br>PG. 374 |


## 230 kV Aluminum Welded Bus Supports

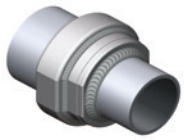

| | |
|---|---|
|  | HPS-AA, HPS-CH-AA<br>PG. 381 |
|  | PLHS-AA, PLHS-CH-AA<br>PG. 383 |
|  | PLHSO-AA SERIES<br>PG. 384 |
|  | WPS-AA SERIES<br>PG. 385 |
|  | WPSO-AA<br>PG. 387 |
|  | WPSSL-AA SERIES<br>PG. 388 |
|  | WPSV-AA<br>PG. 389 |
|  | WXBC-AA SERIES<br>PG. 390 |

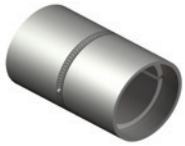

© 2011, AFL, all rights reserved. Revision 13, 5.14.2026
Specifications are subject to change without notice.

## 230 kV Aluminum Welded Couplers



14700 SERIES
PG. 392


15100 SERIES
PG. 394

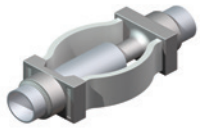

WS-AA, WS-E-AA SERIES
PG. 396

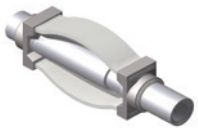

WSXL-SI-AA SERIES
PG. 397


WWC-AA, WWC-E-AA SERIES
PG. 398


WWCR-AA, WWCR-E-AA SERIES
PG. 399


WWSC-AA SERIES
PG. 400


XWWC-AA, XWWC-E-AA SERIES
PG. 401


XWWCT-AA SERIES
PG. 402


## 230 kV Aluminum Welded End Bells



WCX-AA SERIES
PG. 403


WCI-AA, WCI-E-AA SERIES
PG. 404


WP-AA, WP-E-AA SERIES
PG. 405


## 230 kV Aluminum Welded Elbows



WEPI-AA SERIES
PG. 406


## 230 kV Aluminum Welded Pipe Taps & Extensions



WGPH-AA SERIES
PG. 408


WTC-AA SERIES
PG. 409


WTF-AA SERIES
PG. 410


## 230 kV Aluminum Welded Tee and Vee Connectors



1000 SERIES
PG. 411


WT-AA, WTA-75-AA, -80 SERIES
PG. 413


WVBP-20-AA, WVBP-30-AA SERIES
PG. 415


## 230 kV Aluminum Welded Terminal Connectors



15950, 15960 SERIES
PG. 417

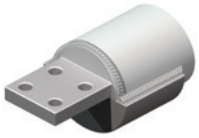
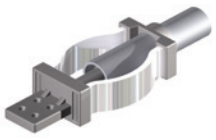
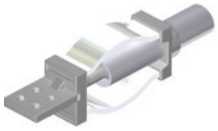

34300 SERIES
PG. 418


WP2C-N-AA, WP2CA-N-45-AA, WP2CA-N-90-AA SERIES
PG. 419


WPC-N-AA, WPCA-N-30-AA, WPCA-N-45-AA, WPCA-N-90-AA
PG. 422


© 2011, AFL, all rights reserved. Revision 13, 5.14.2026
Specifications are subject to change without notice.

## 230 kV Aluminum Welded Terminal Connectors


| | |
|---|---|
|  | WTP-N-AA SERIES<br>PG. 426 |
|  | WTPA-N-45-AA SERIES<br>PG. 428 |
|  | WTPA-N-90-AA SERIES<br>PG. 430 |
|  | WTPC-N-AA SERIES<br>PG. 432 |
|  | WTPI-N-AA, WTPIA-N-45-AA, WTPIA-N-90-AA SERIES<br>PG. 433 |
|  | WTPIC-N-AA SERIES<br>PG. 435 |
|  | WTPO-N-AA, WTPOA-N-45-AA, WTPOA-N-90-AA SERIES<br>PG. 436 |
|  | WTPOC-AA SERIES<br>PG. 439 |
|  | WWSC-AA SERIES<br>PG. 440 |
|  | WXL-90V-AA SERIES<br>PG. 441 |
|  | WXL-AA, WXL-E-AA SERIES<br>PG. 443 |
|  | WXLO-AA, WXLO-E-AA SERIES<br>PG. 445 |


## Aluminum Compression Connectors

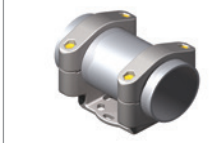

| | |
|---|---|
|  | 2600, 2700 SERIES<br>PG. 449 |
|  | 2800 SERIES<br>PG. 450 |
|  | 3400 SERIES<br>PG. 451 |
|  | 5000 SERIES<br>PG. 452 |
|  | 5500 SERIES<br>PG. 455, 458 |
|  | S5600, S5100 SERIES<br>PG. 461 |
|  | S5600-45, S5800 SERIES<br>PG. 467 |
|  | DP2L-V-EC SERIES<br>PG. 472 |


© 2011, AFL, all rights reserved. Revision 13, 5.14.2026
Specifications are subject to change without notice.



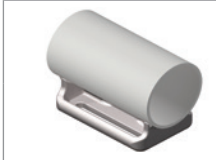
AFL | AFLglobal.com
1 (800) 890-8878

## 345/500 kV Aluminum Bus Supports



PSD-V-AA, PSD-V-CH-AA SERIES
PG. 479


HPS-HV-AA SERIES
PG. 480


WPS-V-AA, WPS-V-CH-AA SERIES
PG. 481

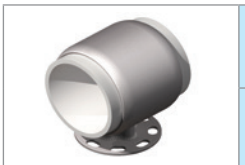

WPSSL-V-AA SERIES
PG. 483


34700 EHV SERIES
PG. 485


WXBC-V-AA SERIES
PG. 486


WXBC-HV-AA SERIES
PG. 487


C2SWB-V-AA SERIES
PG. 488


15700 EHV SERIES
PG. 491


32800 EHV SERIES
PG. 492


35700 EHV SERIES
PG. 493


33800 EHV SERIES
PG. 494

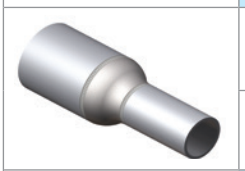

## 345/500 kV Aluminum Couplers



CP-V-AA SERIES
PG. 495


CPV-V-AA SERIES
PG. 496


WWC-AA, WWC-E-AA SERIES
PG. 497


WWCR-V-AA SERIES
PG. 498


XWWC-V-AA, XWWC-HV-AA SERIES
PG. 499


XWWCT-HV-AA SERIES
PG. 500


WRP3C-8-V-AA SERIES
PG. 501


35300 EHV SERIES
PG. 502


## 345/500 kV Aluminum Vibration Damper



1705-EHV, 1706-EHV SERIES
PG. 503


## 345/500 kV Aluminum Corona Bells



CXBHV-AA, CXWHV-AA SERIES
PG. 504


## 345/500 kV Aluminum Tee Connectors



BAP-V-AA SERIES
PG. 505


PFTS-V-AA SERIES
PG. 506


BPA-75-V-AA SERIES
PG. 508


© 2011, AFL, all rights reserved. Revision 13, 5.14.2026
Specifications are subject to change without notice.

| | |
|---|---|
|  | WT-AA, WTA-75-AA, -80 SERIES<br>PG. 509 |
|  | WTC-V-AA, WTF-V-AA SERIES<br>PG. 512 |
|  | WVBP-20-V-AA, WVBP-30-V-AA SERIES<br>PG. 513 |
|  | BPC-V-AA SERIES<br>PG. 515 |
|  | CFT-AA SERIES<br>PG. 516 |
|  | VBP-30-V-AA SERIES<br>PG. 517 |
|  | 1000-EHV SERIES<br>PG. 518 |
|  | WT3C-8-V-AA SERIES<br>PG. 520 |
|  | 3500-EHV SERIES<br>PG. 521 |
|  | BC-V-AA SERIES<br>PG. 523 |
|  | 34900-EHV SERIES<br>PG. 525 |
|  | 34992-EHV, 34993-EHV SERIES<br>PG. 528 |
|  | 34996-EHV, 34997-EHV SERIES<br>PG. 531 |
| **345/500 kV Aluminum Connectors** | |
|  | 15100-EHV SERIES<br>PG. 534 |
|  | 14700-EHV SERIES<br>PG. 535 |
| **345/500 kV Aluminum Terminal Connectors** | |
|  | TP-4N4-V-AA, TPA-4N4-90-V-AA SERIES<br>PG. 536 |
|  | WTPC-4N4-V-AA SERIES<br>PG. 538 |
|  | WTPI-V-AA, WTPIA-90-V-AA SERIES<br>PG. 539 |
|  | WTPIC-V-AA , WTPIC-E-V-AA SERIES<br>PG. 541 |
|  | WXL-V-AA, WXL-HV-AA SERIES<br>PG. 542 |
|  | TC-V-AA, T2C-V-AA SERIES<br>PG. 543 |
|  | WPC-V-AA, WP2C-V-AA SERIES<br>PG. 545 |
|  | WPCA-45-V-AA WP2CA-45-V-AA SERIES<br>PG. 548 |
|  | 34200E-EHV SERIES<br>PG. 550 |
|  | 34300-EHV SERIES<br>PG. 551 |
|  | APTV-AA SERIES<br>PG. 552 |


© 2011, AFL, all rights reserved. Revision 13, 5.14.2026
Specifications are subject to change without notice.



AFL | AFLglobal.com
1 (800) 890-8878


APT-AA SERIES
PG. 553


TWTC-N-V-AA SERIES
PG. 554


34994E-EHV, 34995E-EHV SERIES
PG. 555


34999E-EHV SERIES
PG. 558


33900, 34000 INLINE SERIES
PG. 561


38900-EHV SERIES
PG. 563

**345/500 kV Aluminum Elbows**


WEPI-AA SERIES
PG. 564


35400, 35500 SERIES
PG. 566

**345/500 kV Aluminum Ground Jumpers**


WGPHV-AA SERIES
PG. 567


34600-EHV SERIES
PG. 568


34650-EHV SERIES
PG. 569


34620-EHV SERIES
PG. 570

**345/500 kV Aluminum Spacer Clamps**


1800-EHV SERIES
PG. 571


CAS-V-AA SERIES
PG. 572


CAS-N-V-AA SERIES
PG. 575


CAS-N-90-V-AA SERIES
PG. 575


38100-EHV SERIES
PG. 578

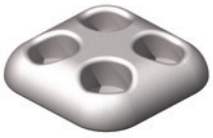

38400-EHV SERIES
PG. 579


38500-EHV SERIES
PG. 579


38300-EHV SERIES
PG. 580

**345/500 kV Aluminum Hardware Shields**


CSBE-V-AA SERIES
PG. 581


4040-EHV SERIES
PG. 581


6040-EHV SERIES
PG. 581


© 2011, AFL, all rights reserved. Revision 13, 5.14.2026
Specifications are subject to change without notice.

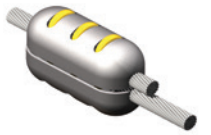


AFL | AFLglobal.com
1 (800) 890-8878

## 345/500 kV Aluminum Parallel Clamps



PC-V-AA SERIES
PG. 582



35600-EHV SERIES
PG. 584

## 345/500 kV Aluminum Stud Connectors



SCB-F-V-AA SERIES
PG. 585

## 345/500 kV Aluminum Compression



2800-EHV, 5300-EHV
PG. 586



2900-EHV
PG. 587



5400
PG. 588



5500
PG. 589



5000-EHV
PG. 591



2500-EHV
PG. 592



2600
PG. 593



2700
PG. 593



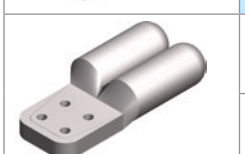
3400-EHV
PG. 594



S5600-EHV, S5100 -EHV
PG. 595



S5600-45-EHV, S5800-EHV
PG. 598

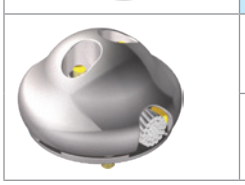


DP2L-V-EC
PG. 603

## 500 kV Aluminum High Temperature Bus Supports



C2SWB-V-AA-HT
PG. 607



33800-EHV-HT
PG. 610

## 500 kV Aluminum High Temperature Connectors



CFTL-N-V-AA-HT
PG. 611



TCL-N-V-AA-HT
PG. 612

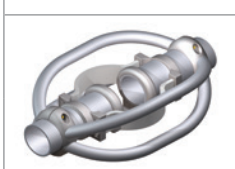


APT-N-V-AA-HT
PG. 613

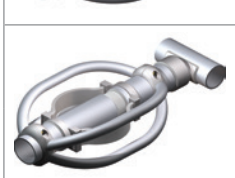
## 765 kV Bus Supports



B6998 SERIES
PG. 619



B7101 SERIES
PG. 620



B7582 SERIES
PG. 621



C7009 SERIES
PG. 622

© 2011, AFL, all rights reserved. Revision 13, 5.14.2026
Specifications are subject to change without notice.



AFL
AFLglobal.com
1 (800) 890-8878

## 765 kV Couplers



B7070 SERIES

PG. 623



WWC-AA,
WWC-E-AA

PG. 624

## 765 kV Corona Bells



34433 SERIES

PG. 625



CXBV600 SERIES

PG. 625

## 765 kV Tee Connectors



BAC-EHV-AA

PG. 626



BCW-EHV-AA

PG. 627



B7568-A SERIES

PG. 628



B7071 SERIES

PG. 629



B7072 SERIES

PG. 630



B7095 SERIES

PG. 631



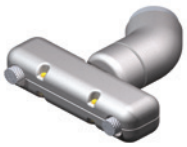
B7006 SERIES

PG. 632



B7875 SERIES

PG. 633



B7096-A SERIES

PG. 634



B7566 SERIES

PG. 635



B7565 SERIES

PG. 635



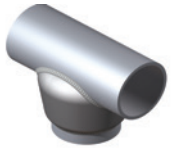
B7876 SERIES

PG. 636



B7882 SERIES

PG. 636



WT-EHV-AA

PG. 637



WRP2CA-20-EHV-AA

PG. 638



WRP2CA-45-EHV-AA

PG. 638

## 765 kV Terminal Connectors



WPC-4S4-AA-WH

PG. 639



WPCA-4S4-90-AA-WH

PG. 639



WPCA-20-AA-WH

PG. 640



WPCA-45-AA-WH

PG. 640



WPCA-75-AA-WH

PG. 640



WPCA-15L-AA-WH

PG. 641



WPCA-15R-AA-WH

PG. 641

© 2011, AFL, all rights reserved. Revision 13, 5.14.2026
Specifications are subject to change without notice.


WPCA-15R-20-AA-WH
PG. 641


WPCA-15L-20-AA-WH
PG. 641


B7094 SERIES
PG. 642


B7567 SERIES
PG. 642

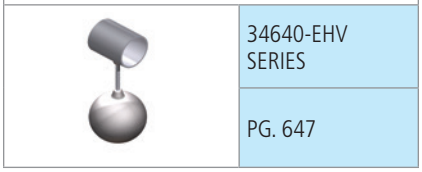

B7001 SERIES
PG. 642


WP2CA-45-EHV-AA
PG. 644

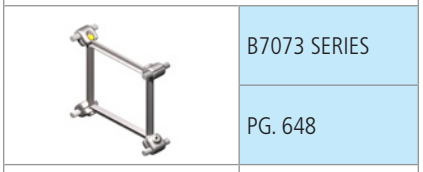

B7583-A SERIES
PG. 645


B7878-A SERIES
PG. 646

**765 kV Ground Jumpers**


34640-EHV SERIES
PG. 647

**765 kV Spacer Clamps**


B7073 SERIES
PG. 648

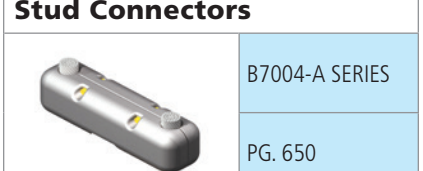

C6999-A SERIES
PG. 648

**765 kV Vibration Dampers**


1705 SERIES
PG. 649


B7384 SERIES
PG. 649

**765 kV Stud Connectors**


B7004-A SERIES
PG. 650


B7074-A SERIES
PG. 651


B7108-A SERIES
PG. 652


B7879-A SERIES
PG. 653


B7880 SERIES
PG. 653

**Compounds**



AFL No. 2 Electrical Joint Compound (No. 2 EJC)
PG. 693



Alnox® Electrical Joint Compound
PG. 694



AFL Filler Compound
PG. 695



HiTemp® Universal Compound (HiTUC)
PG. 696


© 2011, AFL, all rights reserved. Revision 13, 5.14.2026
Specifications are subject to change without notice.

# General Information—Accessory Catalog Numbers

## Aluminum Bolted Accessories

| Accessory | Pipe Size | | | | | | |
|---|---|---|---|---|---|---|---|
| | 1" | 1 - 1/2" | 2" | 2 - 1/2" | 3" | 3 - 1/2" | 4" |
| **Support** | | | | | | | |
| Double Ring | PSD100-5-CH-AA | PSD150-5-CH-AA | PSD200-5-CH-AA | PSD250-5-CH-AA | PSD250-5-CH-AA | PSD300-5-CH-AA | PSD400-5-CH-AA |
| End - 3" BCM | PSV100-3-AA | PSV150-3-AA | PSV200-3-AA | PSV250-3-AA | PSV300-3-AA | PSV350-3-AA | PSV400-3-AA |
| 5" BCM | PSV100-5-AA | PSV150-5-AA | PSV200-5-AA | PSV250-5-AA | PSV300-5-AA | PSV350-5-AA | PSV400-5-AA |
| Expansion Support | XBCW100-5-CH-AA | XBCW150-5-CH-AA | XBCW200-5-CH-AA | XBCW250-5-CH-AA | XBCW300-5-CH-AA | XBCW350-5-CH-AA | XBCW400-5-CH-AA |
| **Couplers** | | | | | | | |
| Expansion SPS | XCW100-AA | XCW150-AA | XCW200-AA | XCW250-AA | XCW300-AA | XCW350-AA | XCW400-AA |
| Expansion EHPS | XCW100E-AA | XCW150E-AA | XCW200E-AA | XCW250E-AA | XCW300E-AA | XCW350E-AA | XCW400E-AA |
| Coupler | CP100-AA | CP150-AA | CP200-AA | CP250-AA | CP300-AA | CP350-AA | CP400-AA |
| Elbow - 45° | EP100-45-AA | EP150-45-AA | EP200-45-AA | EP250-45-AA | EP300-45-AA | EP350-45-AA | EP400-45-AA |
| 90° | EP100-90-AA | EP150-90-AA | EP200-90-AA | EP250-90-AA | EP300-90-AA | EP350-90-AA | EP400-90-AA |
| Terminal - Offset | TP100-4N-AA | TP150-4N-AA | TP200-4N-AA | TP250-4N-AA | TP300-4N-AA | TP350-4N-AA | TP400-4N-AA |
| 45° | TPA100-4N-45-AA | TPA150-4N-45-AA | TPA200-4N-45-AA | TPA250-4N-45-AA | TPA300-4N-45-AA | TPA350-4N-45-AA | TPA400-4N-45-AA |
| 90° | TPA100-4N-90-AA | TPA150-4N-90-AA | TPA200-4N-90-AA | TPA250-4N-90-AA | TPA300-4N-90-AA | TPA350-4N-90-AA | TPA400-4N-90-AA |
| **Expansion Terminal** | | | | | | | |
| Center Form SPS | – | XLW150-4N-AA | XLW200-4N-AA | XLW250-4N-AA | XLW300-4N4-AA | XLW350-4N4-AA | XLW400-4N4-AA |
| EHPS | – | XLW150E-4N-AA | XLW200E-4N-AA | XLW250E-4N-AA | XLW300E-4N4-AA | XLW350E-4N4-AA | XLW400E-4N4-AA |
| Offset SPS | – | XLWO150-4N-AA | XLWO200-4N-AA | XLWO250-4N-AA | XLWO300-4N4-AA | XLWO350-4N4-AA | XLWO400-4N4-AA |
| EHPS | – | XLW150E-4N-AA | XLW200E-4N-AA | XLW250E-4N-AA | XLW300E-4N4-AA | XLW350E-4N4-AA | XLW400E-4N4-AA |
| Tee-Tap - Parallel | PFTS100-1-4N-AA | PFTS150-1-4N-AA | PFTS200-1-4N-AA | PFTS250-1-4N-AA | PFTS300-1-4N4-AA | PFTS350-1-4N4-AA | PFTS400-1-4N4-AA |
| **End Plug** | | | | | | | |
| Drive - SPS | – | CI150-AA | CI200-AA | CI250-AA | CI300-AA | CI350-AA | CI400-AA |
| EHPS | – | CI150E-AA | CI200E-AA | CI250E-AA | CI300E-AA | CI350E-AA | CI400E-AA |
| Bolt - SPS | – | 16205 | 16206 | 16207 | 16208 | 16209 | 16210 |
| EHPS | – | 16225 | 16226 | 16227 | 16228 | 16229 | 16230 |

## Aluminum Welded Accessories

| Accessory | Pipe Size | | | | | | |
|---|---|---|---|---|---|---|---|
| | 1" | 1 - 1/2" | 2" | 2 - 1/2" | 3" | 3 - 1/2" | 4" |
| **Support** | | | | | | | |
| Double Ring | WPS200-5-CH-AA | WPS250-5-CH-AA | WPS300-5-CH-AA | WPS350-5-CH-AA | WPS400-5-CH-AA | WPS500-5-CH-AA | WPS600-5-CH-AA |
| Single Ring | PLHS200-5-CH-AA | PLHS250-5-CH-AA | PLHS300-5-CH-AA | PLHS350-5-CH-AA | PLHS400-5-CH-AA | PLHS500-5-CH-AA | PLHS600-5-CH-AA |
| Hook | HPS200-5-CH-AA | HPS250-5-CH-AA | HPS300-5-CH-AA | HPS350-5-CH-AA | HPS400-5-CH-AA | HPS5010-5-CH-AA | HPS600-5-CH-AA |
| End | WPSV200-5-AA | WPSV250-5-AA | WPSV300-5-AA | WPSV350-5-AA | WPSV400-5-AA | WPSV500-5-AA | WPSV600-5-AA |
| Expansion Support | WXBC200E-5-AA | WXBC250E-5-AA | WXBC300E-5-AA | WXBC350E-5-AA | WXBC400E-5-AA | WXBC500E-5-AA | WXBC500E-5-AA |
| **Expansion Coupler** | | | | | | | |
| SPS | XWWC200-AA | XWWC250-AA | XWWC300-AA | XWWC350-AA | XWWC400-AA | XWWC500-AA | XWWC600-AA |
| EHPS | XWWC200E-AA | XWWC250E-AA | XWWC300E-AA | XWWC350E-AA | XWWC400E-AA | XWWC500E-AA | XWWC600E-AA |
| **Coupler** | | | | | | | |
| SPS | WWC200-AA | WWC250-AA | WWC300-AA | WWC350-AA | WWC400-AA | WWC500-AA | WWC600-AA |
| EHPS | WWC200E-AA | WWC250E-AA | WWC300E-AA | WWC350E-AA | WWC400E-AA | WWC500E-AA | WWC600E-AA |
| Elbow - 45° | WEPI200-45-AA | WEPI250-45-AA | WEPI300-45-AA | WEPI350-45-AA | WEPI400-45-AA | WEPI500-45-AA | WEPI600-45-AA |
| 90° | WEPI200-AA | WEPI250-AA | WEPI300-AA | WEPI350-AA | WEPI400-AA | WEPI500-AA | WEPI600-AA |
| **Terminal** | | | | | | | |
| Center Form | WTPC200-4N-AA | WTPC250-4N4-AA | WTPC300-4N4-AA | WTPC350-4N4-AA | WTPC400-4N4-AA | WTPC500-4N4-AA | WTPC600-4N4-AA |
| Offset | WTP200-4N-AA | WTP250-4N-AA | WTP300-4N4-AA | WTP350-4N4-AA | WTP400-4N4-AA | WTP500-4N4-AA | WTP600-4N4-AA |
| 90° | WTPA200-4N-90-AA | WTPA250-4N-90-AA | WTPA300-4N4-90-AA | WTPA350-4N4-90-AA | WTPA400-4N4-90-AA | WTPA500-4N4-90-AA | WTPA600-4N4-90-AA |
| **Expansion Terminal** | | | | | | | |
| Center Form SPS | WXL200-4N-AA | WXL250-4N-AA | WXL300-4N4-AA | WXL350-4N4-AA | WXL400-4N4-AA | WXL500-4N4-AA | WXL600-4N4-AA |
| EHPS | WXL200E-4N-AA | WXL250E-4N-AA | WXL300E-4N4-AA | WXL350E-4N4-AA | WXL400E-4N4-AA | WXL500E-4N4-AA | WXL600E-4N4-AA |
| Offset SPS | WXLO200-4N-AA | WXLO250-4N-AA | WXLO300-4N4-AA | WXLO350-4N4-AA | WXLO400-4N4-AA | WXLO500-4N4-AA | WXLO600-4N4-AA |
| EHPS | WXLO200E-4N-AA | WXLO250E-4N-AA | WXLO300E-4N4-AA | WXLO350E-4N4-AA | WXLO400E-4N4-AA | WXLO500E-4N4-AA | WXLO600E-4N4-AA |
| **Tee Tap** | | | | | | | |
| Parallel | WTC250-4N-AA | WTC250-4N-AA | WTC600-4N4-AA | WTC600-4N4-AA | WTC600-4N4-AA | WTC600-4N4-AA | WTC600-4N4-AA |
| Transverse | WTF250-4N-AA | WTF250-4N-AA | WTF600-4N4-AA | WTF600-4N4-AA | WTF600-4N4-AA | WTF600-4N4-AA | WTF600-4N4-AA |
| End Plug | WCX200-AA | WCX250-AA | WCX300-AA | WCX350-AA | WCX400-AA | WCX500-AA | WCX600-AA |
| Ground Stud | WGPH250-AA | WGPH250-AA | WGPH600-AA | WGPH600-AA | WGPH600-AA | WGPH600-AA | WGPH600-AA |

**Notes:**

1. Supports listed in table are for 5" BCM; 3" and 7"BCM's are available-see catalog pages referenced.

© 2011, AFL, all rights reserved. PP-3-00069, Revision 7, 3.3.2026
Specifications are subject to change without notice.

# Aluminum Bolted Bus Accessories

Bus Conductor Accessories are designed with large contact area and appropriate clamping forces to give them the efficient long life and trouble-free-operation typical. Aluminum Bus accessories, including the bolts and nuts, are made from high strength aluminum alloys. The large aluminum bolts maintain high contact pressure during heating and cooling cycles since the coefficients of expansion of the conductor, fittings and bolts are essentially the same. Bolts have an Alumilte* 205 finish and are coated with lubricant to give additional resistance to corrosion. The reduced friction provided by this lubricant coating gives a higher bolting pressure for a given torque.

AFL Conductor Accessories No. 2 Electrical Joint Compound is recommended for making aluminum- to-aluminum and aluminum -to-copper bolted joints. This compound is an effective seal against the entrance of moisture and corrosive or oxidizing agents. It has the additional advantage of chemically aiding in the removal of the natural oxides of aluminum. The flow point of AFL No. 2 Electrical Joint Compound is a about 150°F (66°C), although tests show that a film remains in the joint up to 200°F (92°C) to seal the joint and maintain stable operation.

Experience has shown that bolted joints on electrical bus conductors made with unbushed electrical fittings with the proper joint preparation and with adequate sealing of the connection, are entirely satisfactory for aluminum-to-aluminum and aluminum -to-copper connections.

Method of Making Bolted Electrical Connections
(1) Remove grease and dirt from contact surfaces.
(2) Coat thoroughly with No. 2 Electrical Joint Compound.
(3) Abrade surfaces through coating with wire brush or emery cloth.
(4) Assemble joint without removal of compound, and any excess may be left on the edges to seal the contact surfaces.

*Trademark of Aluminum Company of America

### RECOMMENDED TIGHTENING TORQUE FOR ALUMINUM BOLTS WITH ALUMILITE 205 FINISH AND LUBRICANT COATING

| Bolt Diameter (inches) | Torque | | Bolt Diameter (inches) | Torque | |
|---|---|---|---|---|---|
| | ft-lbs | N. m | | ft-lbs | N. m |
| 3/8 | 15 | 20 | 5/8 | 40 | 54 |
| 7/16 | 20 | 27 | 3/4 | 60 | 81 |
| 1/2 | 25 | 34 | | | |

### RECOMMENDED TIGHTENING TORQUE FOR GALVANIZED STEEL BOLTS WITH LUBRICANT COATING

| Bolt Diameter (inches) | Torque | | Bolt Diameter (inches) | Torque | |
|---|---|---|---|---|---|
| | ft-lbs | N. m | | ft-lbs | N. m |
| 5/16 | 15 | 20 | 5/8 | 60 | 81 |
| 3/8 | 25 | 34 | 3/4 | 75 | 102 |
| 1/2 | 40 | 54 | | | |

### RECOMMENDED TIGHTENING TORQUE FOR SILICON BRONZE BOLTS

| Bolt Diameter (inches) | Torque | | Bolt Diameter (inches) | Torque | |
|---|---|---|---|---|---|
| | ft-lbs | N. m | | ft-lbs | N. m |
| 5/16-18 | 11 | 14 | 5/8-11 | 70 | 94 |
| 3/8-16 | 20 | 27 | 3/4-10 | 100 | 135 |
| 1/2-13 | 40 | 54 | | | |

### RECOMMENDED TIGHTENING TORQUE FOR STAINLESS STEEL (18-8)

| Bolt Diameter (inches) | Torque | | Bolt Diameter (inches) | Torque | |
|---|---|---|---|---|---|
| | ft-lbs | N. m | | ft-lbs | N. m |
| 5/16-18 | 15 | 20 | 5/8-11 | 55 | 54 |
| 3/8-16 | 20 | 27 | 3/4-10 | 87 | 73 |
| 1/2-13 | 40 | 34 | | | |

Ref: PA2014-2960

# Aluminum Welded Bus Accessories

AFL Welded fittings (unless otherwise specified) will conduct the rated current of the largest conductor to which they can be applied. The dimensions of bus accessory surfaces to be welded are designed so that the proper weld bead for full conductivity is automatically applied. Conductor socket depths are generous, allowing wide tolerance in cutting conductors to length. For the larger conductors, a choice of terminal pad sizes are available.

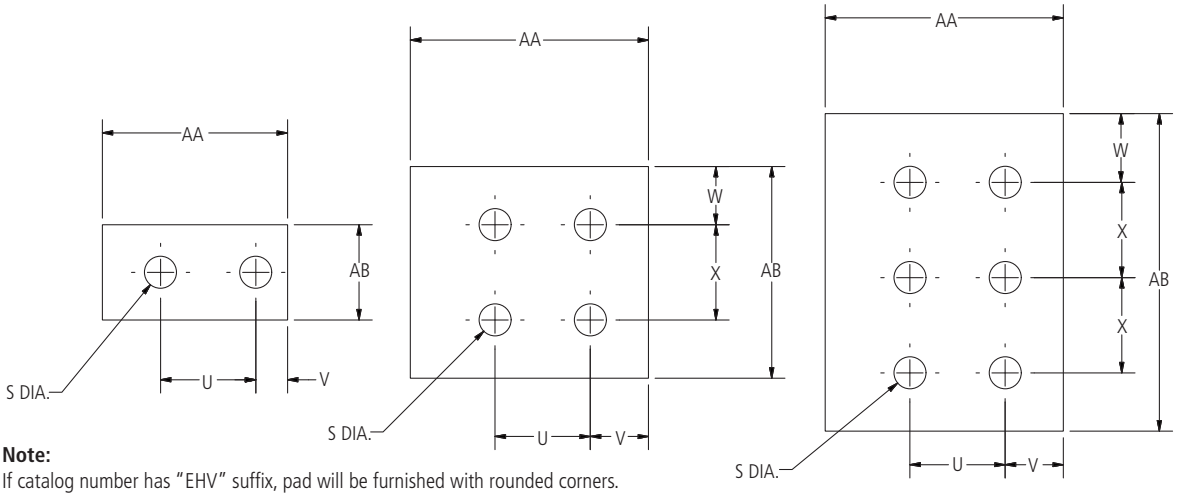
The streamlined design and the absence of protruding bolts (which act as corona points) make AFL Welded Bus Accessories an excellent choice for the construction of Extra-High -Voltage substations. AFL Welded Aluminum Bus accessories will save construction dollars three ways.

FIRST, AFL Welded Bus Accessories pass on to the user the manufacturing economies gained by the elimination of superfluous material. SECOND use of welded bus accessories reduces installation costs through a user-cost-conscious design that provides a minimum welding surface—thus reducing welding time. THIRD, well-engineered and economical fittings accommodate a wide conductor range, permitting users to reduce significantly the number of stock sizes normally needed to handle a wide range of conductor sizes.

Representing the results of years of development and experience, this catalog provides electrical and mechanical details on AFL full line of standard welded electrical bus accessories. Inquiries regarding special design problems are invited and should be directed to your local sales representative.

© 2011, AFL, all rights reserved. PP-3-00069, Revision 7, 3.3.2026
Specifications are subject to change without notice.

# NEMA Standard Pad Sizes

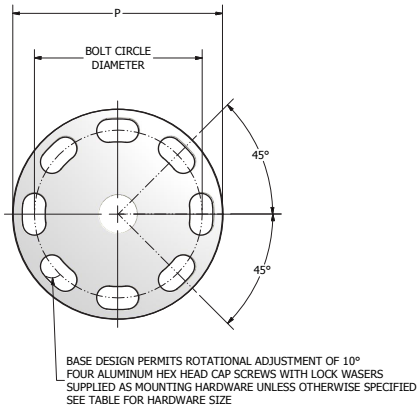



**Note:**
If catalog number has "EHV" suffix, pad will be furnished with rounded corners.

| Pad Size | Dimensions | | | | | | |
|---|---|---|---|---|---|---|---|
| | S | U | V | W | X | AA | AB |
| | in. | in. | in. | in. | in. | in. | in. |
| B or 2N | 0.6 | 1.8 | 0.6 | — | — | 3.0 | 1.8 |
| D or 4N | 0.6 | 1.8 | 0.6 | 0.6 | 1.8 | 3.0 | 3.0 |
| E or 4N4 | 0.6 | 1.8 | 1.1 | 1.1 | 1.8 | 4.0 | 4.0 |
| F or 5N4 | 0.6 | 1.8 | 1.1 | 0.8 | 1.8 | 4.0 | 5.0 |
| G or 6N4 | 0.6 | 1.8 | 1.1 | 1.3 | 1.8 | 4.0 | 6.0 |

For non-standard pads, specify the S, U, V, W, or X dimensions. If the pad is to be copper faced or specially machined, give detailed information and whether the bottom side, top side or both sides are involved. When centerline of bolt spacing does not coincide with the centerline of the pad, this then becomes non-standard drilling. In this case, the holes are offset on the pad by distance W and/or distance V.

# Bus Support Bases




| Bolt Circle Mounting | Dimensions | | Mounting Hardware Supplied |
|---|---|---|---|
| | Base Thickness | P | |
| in. | in. | in. | |
| 3 | 0.5 | 4.3 | 1/2-13 x .87 Galvanized Steel Hex Hd. Bolts & 1/2 Lockwashers |
| 5 | 0.5 | 6.3 | 5/8-11 x 1.25 Galvanized Steel Hex Hd. Bolts & 5/8 Lockwashers |
| 7 | 0.5 | 8.5 | 3/4 x 1.50 Galvanized Steel Hex Hd. Bolts & 3/4 Lockwashers |

© 2011, AFL, all rights reserved. PP-3-00069, Revision 7, 3.3.2026
Specifications are subject to change without notice.



AFLglobal.com
1 (800) 890-8878

# Conductor Information for ACSR Conductors

| Code Name | Size | Stranding | Diameter (Inches) | | | | Weight per 1000 ft | Rated Strength | Resistance OHMS per 1000 ft | | Allowable Ampacity[1] | SAG10® Chart Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Individual Wires | | Steel Core | Complete Cable | | | | | | |
| | kcmil | Al/St | Al | St | | | lbs | lbs | DC @ 20°C | AC @ 75°C | Amps | |
| Turkey | 6 | 6/1 | 0.066 | 0.066 | 0.066 | 0.198 | 36 | 1,190 | 0.641 | 0.806 | 105 | 1-1023 |
| Swan | 4 | 6/1 | 0.083 | 0.083 | 0.083 | 0.250 | 57 | 1,860 | 0.403 | 0.515 | 140 | 1-1023 |
| Swanate | 4 | 7/1 | 0.077 | 0.103 | 0.103 | 0.257 | 67 | 2,360 | 0.399 | 0.519 | 140 | 1-670 |
| Sparrow | 2 | 6/1 | 0.105 | 0.105 | 0.105 | 0.316 | 91 | 2,850 | 0.254 | 0.332 | 184 | 1-1023 |
| Sparate | 2 | 7/1 | 0.097 | 0.130 | 0.130 | 0.325 | 107 | 3,460 | 0.251 | 0.338 | 184 | 1-670 |
| Robin | 1 | 6/1 | 0.118 | 0.118 | 0.118 | 0.354 | 115 | 3,550 | 0.201 | 0.268 | 212 | 1-938 |
| Rave | 1/0 | 6/1 | 0.133 | 0.133 | 0.133 | 0.398 | 145 | 4,380 | 0.159 | 0.217 | 242 | 1-938 |
| Quail | 2/0 | 6/1 | 0.149 | 0.149 | 0.149 | 0.447 | 183 | 5,310 | 0.126 | 0.176 | 276 | 1-938 |
| Pigeon | 3/0 | 6/1 | 0.167 | 0.167 | 0.167 | 0.502 | 231 | 6,620 | 0.100 | 0.144 | 315 | 1-938 |
| Penguin | 4/0 | 6/1 | 0.188 | 0.188 | 0.188 | 0.563 | 291 | 8,350 | 0.080 | 0.119 | 357 | 1-938 |
| Waxwing | 266.8 | 18/1 | 0.122 | 0.122 | 0.122 | 0.609 | 289 | 6,880 | 0.064 | 0.079 | 449 | 1-844 |
| Partridge | 266.8 | 26/7 | 0.101 | 0.079 | 0.236 | 0.642 | 367 | 11,300 | 0.064 | 0.078 | 475 | 1-782 |
| Ostrich | 300 | 26/7 | 0.107 | 0.084 | 0.251 | 0.680 | 412 | 12,700 | 0.057 | .069 | 492 | 1-782 |
| Merlin | 336.4 | 18/1 | 0.137 | 0.137 | 0.137 | 0.684 | 365 | 8,680 | 0.051 | 0.063 | 519 | 1-844 |
| Linnet | 336.4 | 26/7 | 0.115 | 0.089 | 0.265 | 0.720 | 462 | 14,100 | 0.051 | 0.062 | 529 | 1-782 |
| Oriole | 336.4 | 30/7 | 0.106 | 0.106 | 0.318 | 0.741 | 526 | 17,300 | 0.050 | 0.061 | 535 | 1-773 |
| Chickadee | 397.5 | 18/1 | 0.149 | 0.149 | 0.149 | 0.743 | 431 | 9,940 | 0.043 | 0.053 | 576 | 1-844 |
| Brant | 397.5 | 24/7 | 0.129 | 0.086 | 0.257 | 0.772 | 511 | 14,600 | 0.043 | 0.053 | 584 | 1-889 |
| Ibis | 397.5 | 26/7 | 0.124 | 0.096 | 0.289 | 0.783 | 546 | 16,300 | 0.043 | 0.052 | 587 | 1-782 |
| Lark | 397.5 | 30/7 | 0.115 | 0.115 | 0.345 | 0.806 | 622 | 20,300 | 0.043 | 0.052 | 594 | 1-773 |
| Pelican | 477 | 18/1 | 0.163 | 0.163 | 0.163 | 0.814 | 517 | 11,800 | 0.036 | 0.044 | 646 | 1-844 |
| Flicker | 477 | 24/7 | 0.141 | 0.094 | 0.282 | 0.846 | 614 | 17,200 | 0.036 | 0.044 | 655 | 1-889 |
| Hawk | 477 | 26/7 | 0.135 | 0.105 | 0.316 | 0.858 | 656 | 19,500 | 0.036 | 0.044 | 659 | 1-782 |
| Hen | 477 | 30/7 | 0.126 | 0.126 | 0.378 | 0.883 | 746 | 23,800 | 0.035 | 0.043 | 666 | 1-773 |
| Osprey | 556.5 | 18/1 | 0.176 | 0.176 | 0.176 | 0.879 | 603 | 13,700 | 0.031 | 0.038 | 711 | 1-844 |
| Parakeet | 556.5 | 24/7 | 0.152 | 0.102 | 0.305 | 0.914 | 716 | 19,800 | 0.031 | 0.038 | 721 | 1-889 |
| Dove | 556.5 | 26/7 | 0.146 | 0.114 | 0.341 | 0.927 | 765 | 22,600 | 0.031 | 0.038 | 726 | 1-782 |
| Eagle | 556.5 | 30/7 | 0.136 | 0.136 | 0.409 | 0.953 | 871 | 27,800 | 0.030 | 0.037 | 734 | 1-773 |
| Peacock | 605 | 24/7 | 0.159 | 0.106 | 0.318 | 0.953 | 779 | 21,600 | 0.028 | 0.035 | 760 | 1-889 |
| Squab | 605 | 26/7 | 0.153 | 0.119 | 0.356 | 0.966 | 832 | 24,300 | 0.028 | 0.035 | 765 | 1-782 |
| Wood Duck | 605 | 30/7 | 0.142 | 0.142 | 0.426 | 0.994 | 946 | 28,900 | 0.028 | 0.034 | 774 | — |
| Teal | 605 | 30/19 | 0.142 | 0.085 | 0.426 | 0.994 | 939 | 30,000 | 0.028 | 0.034 | 773 | 1-757 |
| Kingbird | 636 | 18/1 | 0.188 | 0.188 | 0.188 | 0.940 | 690 | 15,700 | 0.027 | 0.033 | 773 | 1-844 |
| Swift | 636 | 36/1 | 0.133 | 0.133 | 0.133 | 0.930 | 643 | 13,690 | 0.027 | 0.033 | 769 | 1-898 |
| Rook | 636 | 24/7 | 0.163 | 0.109 | 0.326 | 0.977 | 818 | 22,000 | 0.027 | 0.033 | 784 | 1-889 |
| Grosbeak | 636 | 26/7 | 0.156 | 0.122 | 0.365 | 0.991 | 874 | 25,200 | 0.027 | 0.033 | 789 | 1-782 |

© 2011, AFL, all rights reserved. PP-3-00069, Revision 7, 3.3.2026
Specifications are subject to change without notice.

# Conductor Information for ACSR Conductors (cont.)

| Code Name | Size | Stranding | Diameter (Inches) | | | | Weight per 1000 ft | Rated Strength | Resistance OHMS per 1000 ft | | Allowable Ampacity[1] | SAG10® Chart Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Individual Wires | | Steel Core | Complete Cable | | | | | | |
| | kcmil | Al/St | Al | St | | | lbs | lbs | DC @ 20°C | AC @ 75°C | Amps | |
| Scoter | 636 | 30/7 | 0.146 | 0.146 | 0.437 | 1.019 | 995 | 30,400 | 0.026 | 0.033 | 798 | — |
| Egret | 636 | 30/19 | 0.146 | 0.087 | 0.437 | 1.019 | 987 | 31,500 | 0.027 | 0.033 | 798 | 1-757 |
| Flamingo | 666.6 | 24/7 | 0.167 | 0.111 | 0.333 | 1.000 | 858 | 23,700 | 0.026 | 0.032 | 807 | 1-889 |
| Gannet | 666.6 | 26/7 | 0.160 | 0.125 | 0.374 | 1.014 | 916 | 26,400 | 0.026 | 0.031 | 812 | 1-782 |
| Stilt | 715.5 | 24/7 | 0.173 | 0.115 | 0.345 | 1.036 | 920 | 25,500 | 0.024 | 0.029 | 844 | 1-889 |
| Starling | 715.5 | 26/7 | 0.166 | 0.129 | 0.387 | 1.051 | 984 | 28,400 | 0.024 | 0.029 | 849 | 1-537 |
| Redwing | 715.5 | 30/19 | 0.154 | 0.093 | 0.463 | 1.081 | 1,110 | 34,600 | 0.024 | 0.029 | 859 | 1-757 |
| Coot | 795 | 36/1 | 0.149 | 0.149 | 0.149 | 1.040 | 804 | 16,710 | 0.022 | 0.027 | 884 | 1-898 |
| Drake | 795 | 26/7 | 0.175 | 0.136 | 0.408 | 1.107 | 1,093 | 31,500 | 0.021 | 0.026 | 907 | 1-537 |
| Tern | 795 | 45/7 | 0.133 | 0.089 | 0.266 | 1.063 | 895 | 22,100 | 0.022 | 0.027 | 887 | 1-955 |
| Condor | 795 | 54/7 | 0.121 | 0.121 | 0.364 | 1.092 | 1,023 | 28,200 | 0.022 | 0.027 | 889 | 1-838 |
| Mallard | 795 | 30/19 | 0.163 | 0.098 | 0.488 | 1.140 | 1,233 | 38,400 | 0.021 | 0.026 | 918 | 1-757 |
| Ruddy | 900 | 45/7 | 0.141 | 0.094 | 0.283 | 1.131 | 1,013 | 24,400 | 0.019 | 0.024 | 958 | 1-955 |
| Canary | 900 | 54/7 | 0.129 | 0.129 | 0.387 | 1.162 | 1,158 | 31,900 | 0.019 | 0.024 | 961 | 1-838 |
| Rail | 954 | 45/7 | 0.146 | 0.097 | 0.291 | 1.165 | 1,074 | 25,900 | 0.018 | 0.023 | 993 | 1-955 |
| Cardinal | 954 | 54/7 | 0.133 | 0.133 | 0.399 | 1.196 | 1,227 | 33,800 | 0.018 | 0.023 | 996 | 1-838 |
| Ortolan | 1033.5 | 45/7 | 0.152 | 0.101 | 0.303 | 1.212 | 1,163 | 27,700 | 0.017 | 0.021 | 1043 | 1-957 |
| Curlew | 1033.5 | 54/7 | 0.138 | 0.138 | 0.415 | 1.245 | 1,330 | 36,600 | 0.017 | 0.021 | 1047 | 1-838 |
| Bluejay | 1113 | 45/7 | 0.157 | 0.105 | 0.315 | 1.258 | 1,253 | 29,800 | 0.016 | 0.019 | 1092 | 1-957 |
| Finch | 1113 | 54/19 | 0.144 | 0.086 | 0.431 | 1.292 | 1,429 | 39,100 | 0.015 | 0.020 | 1093 | 1-1009 |
| Bunting | 1192.5 | 45/7 | 0.163 | 0.109 | 0.326 | 1.302 | 1,342 | 32,000 | 0.014 | 0.018 | 1139 | 1-957 |
| Grackle | 1192.5 | 54/19 | 0.149 | 0.089 | 0.446 | 1.337 | 1,531 | 41,900 | 0.014 | 0.018 | 1140 | 1-1009 |
| Bittern | 1272 | 45/7 | 0.168 | 0.112 | 0.336 | 1.345 | 1,432 | 34,100 | 0.014 | 0.017 | 1184 | 1-957 |
| Pheasant | 1272 | 54/19 | 0.154 | 0.092 | 0.461 | 1.381 | 1,633 | 34,600 | 0.014 | 0.017 | 1187 | 1-1009 |
| Dipper | 1351.5 | 45/7 | 0.173 | 0.116 | 0.347 | 1.386 | 1,521 | 36,200 | 0.013 | 0.016 | 1229 | 1-957 |
| Martin | 1351.5 | 54/19 | 0.158 | 0.095 | 0.475 | 1.424 | 1,735 | 46,300 | 0.013 | 0.016 | 1232 | 1-1009 |
| Bobolink | 1431 | 45/7 | 0.178 | 0.119 | 0.357 | 1.427 | 1,611 | 38,300 | 0.012 | 0.015 | 1272 | 1-957 |
| Lapwing | 1590 | 45/7 | 0.188 | 0.125 | 0.376 | 1.504 | 1,790 | 42,200 | 0.011 | 0.014 | 1354 | 1-1019 |
| Falcon | 1590 | 54/19 | 0.172 | 0.103 | 0.515 | 1.544 | 2,041 | 54,500 | 0.011 | 0.014 | 1359 | 1-1009 |
| Chukar | 1780 | 84/19 | 0.146 | 0.087 | 0.437 | 1.602 | 2,071 | 51,000 | 0.010 | 0.013 | 1453 | 1-1020 |
| Bluebird | 2156 | 84/19 | 0.160 | 0.096 | 0.481 | 1.762 | 2,509 | 60,300 | 0.008 | 0.011 | 1623 | 1-020 |
| Kiwi | 2167 | 72/7 | 0.174 | 0.116 | 0.347 | 1.735 | 2,300 | 49,800 | 0.008 | 0.011 | 1607 | 1-1053 |

**Note:** Conductor temperature at 75°, ambient temperature 25°C, emissivity 0.5, wind 2 ft/sec, in sun.

© 2011, AFL, all rights reserved. PP-3-00069, Revision 7, 3.3.2026
Specifications are subject to change without notice.

# Conductor Information for AAC Conductors

| Code Name | Size | Stranding | Diameter (inches) | Weight per 1000 ft | Rated Strength | Resistance OHMS per 1000 ft | | Allowable Ampacity[1] | SAG10® Chart Number |
|---|---|---|---|---|---|---|---|---|---|
| | kcmil | Al | Complete Cable | lbs | lbs | DC @ 20°C | AC @ 75°C | Amps | |
| Peachbell | 6 | 7 | 0.184 | 25 | 563 | 0.658 | 0.805 | 103 | 1-918 |
| Rose | 4 | 7 | 0.232 | 39 | 881 | 0.414 | 0.506 | 138 | 1-918 |
| Iris | 2 | 7 | 0.292 | 62 | 1,350 | 0.260 | 0.318 | 185 | 1-918 |
| Pansy | 1 | 7 | 0.328 | 78 | 1,640 | 0.207 | 0.252 | 214 | 1-918 |
| Poppy | 1/0 | 7 | 0.368 | 99 | 1,990 | 0.164 | 0.200 | 247 | 1-918 |
| Aster | 2/0 | 7 | 0.414 | 125 | 2,510 | 0.130 | 0.159 | 286 | 1-918 |
| Phlox | 3/0 | 7 | 0.464 | 157 | 3,040 | 0.103 | 0.126 | 331 | 1-918 |
| Oxlip | 4/0 | 7 | 0.522 | 198 | 3,830 | 0.082 | 0.100 | 383 | 1-918 |
| Sneezewort | 250.0 | 7 | 0.567 | 234 | 4,520 | 0.069 | 0.085 | 425 | 1-918 |
| Valerian | 250.0 | 19 | 0.574 | 234 | 4,660 | 0.069 | 0.085 | 426 | 1-945 |
| Daisy | 266.8 | 7 | 0.586 | 250 | 4,830 | 0.065 | 0.079 | 443 | 1-918 |
| Laurel | 266.8 | 19 | 0.592 | 250 | 4,970 | 0.065 | 0.079 | 444 | 1-945 |
| Peony | 300.0 | 19 | 0.628 | 281 | 5,480 | 0.058 | 0.071 | 478 | 1-945 |
| Tulip | 336.4 | 19 | 0.665 | 315 | 6,150 | 0.051 | 0.063 | 513 | 1-945 |
| Daffodil | 350.0 | 19 | 0.679 | 328 | 6,390 | 0.049 | 0.061 | 526 | 1-945 |
| Canna | 397.5 | 19 | 0.723 | 373 | 7,110 | 0.044 | 0.053 | 570 | 1-945 |
| Goldentuft | 450.0 | 19 | 0.769 | 422 | 7,890 | 0.038 | 0.043 | 616 | 1-945 |
| Cosmos | 477.0 | 19 | 0.792 | 447 | 8,360 | 0.036 | 0.045 | 639 | 1-945 |
| Syringa | 477.0 | 37 | 0.795 | 447 | 8,690 | 0.036 | 0.045 | 639 | 1-1049 |
| Zinnia | 500.0 | 19 | 0.811 | 469 | 8,760 | 0.035 | 0.043 | 658 | 1-945 |
| Hyacinth | 500.0 | 37 | 0.814 | 469 | 9,110 | 0.035 | 0.043 | 658 | 1-1049 |
| Dahlia | 556.5 | 19 | 0.856 | 522 | 9,750 | 0.031 | 0.038 | 703 | 1-945 |
| Mistletoe | 556.5 | 37 | 0.858 | 522 | 9,940 | 0.031 | 0.038 | 704 | 1-1049 |
| Meadowsweet | 600.0 | 37 | 0.891 | 562 | 10,700 | 0.023 | 0.036 | 738 | 1-1049 |
| Orchid | 636.0 | 37 | 0.918 | 596 | 11,400 | 0.027 | 0.036 | 765 | 1-1049 |
| Heuchera | 650.0 | 37 | 0.928 | 609 | 11,600 | 0.027 | 0.033 | 775 | 1-1049 |
| Verbena | 700.0 | 37 | 0.963 | 656 | 12,500 | 0.025 | 0.031 | 812 | 1-1049 |
| Flag | 700.0 | 61 | 0.964 | 656 | 12,900 | 0.025 | 0.031 | 812 | 1-1010 |
| Violet | 715.5 | 37 | 0.973 | 671 | 12,800 | 0.024 | 0.030 | 823 | 1-1049 |
| Nasturtium | 715.5 | 61 | 0.975 | 671 | 13,100 | 0.024 | 0.030 | 823 | 1-1010 |
| Petunia | 750.0 | 37 | 0.997 | 703 | 13,100 | 0.023 | 0.029 | 847 | 1-1049 |
| Cattail | 750.0 | 61 | 0.998 | 703 | 13,500 | 0.023 | 0.029 | 847 | 1-1010 |
| Arbutus | 795.0 | 37 | 1.026 | 745 | 13,900 | 0.022 | 0.027 | 878 | 1-1049 |
| Lilac | 795.0 | 61 | 1.027 | 745 | 14,300 | 0.022 | 0.027 | 879 | 1-1010 |
| Cockscomb | 900.0 | 37 | 1.092 | 844 | 15,400 | 0.019 | 0.024 | 948 | 1-1049 |

© 2011, AFL, all rights reserved. PP-3-00069, Revision 7, 3.3.2026
Specifications are subject to change without notice.

# Conductor Information for AAC Conductors (cont.)

| Code Name | Size | Stranding | Diameter (inches) | Weight per 1000 ft | Rated Strength | Resistance OHMS per 1000 ft | | Allowable Ampacity[1] | SAG10® Chart Number |
|---|---|---|---|---|---|---|---|---|---|
| | kcmil | Al | Complete Cable | lbs | lbs | DC @ 20°C | AC @ 75°C | Amps | |
| Snapdragon | 900.0 | 61 | 1.093 | 844 | 15,900 | 0.019 | 0.024 | 948 | 1-1010 |
| Magnolia | 954.0 | 37 | 1.124 | 894 | 16,400 | 0.018 | 0.023 | 982 | 1-1049 |
| Goldenrod | 954.0 | 61 | 1.125 | 894 | 16,900 | 0.018 | 0.023 | 983 | 1-1010 |
| Hawkweed | 1000.0 | 37 | 1.151 | 937 | 17,200 | 0.017 | 0.022 | 1,010 | 1-1049 |
| Camellia | 1000.0 | 61 | 1.152 | 937 | 17,700 | 0.071 | 0.022 | 1,011 | 1-1010 |
| Bluebell | 1033.5 | 37 | 1.170 | 969 | 17,700 | 0.017 | 0.021 | 1,031 | 1-1049 |
| Larkspur | 1033.5 | 61 | 1.171 | 969 | 18,300 | 0.017 | 0.021 | 1,032 | 1-1010 |
| Marigold | 113.0 | 61 | 1.216 | 1,043 | 19,700 | 0.016 | 0.020 | 1,079 | 1-1010 |
| Hawthorn | 1192.5 | 61 | 1.258 | 1,118 | 21,100 | 0.015 | 0.018 | 1,124 | 1-1010 |
| Narcissus | 1272.0 | 61 | 1.300 | 1,192 | 22,000 | 0.014 | 0.017 | 1,169 | 1-1010 |
| Columbine | 1351.5 | 61 | 1.340 | 1,267 | 23,400 | 0.013 | 0.016 | 1,212 | 1-1010 |
| Carnation | 1431.0 | 61 | 1.378 | 1,341 | 24,300 | 0.012 | 0.016 | 1,253 | 1-1010 |
| Gladiolus | 1510.5 | 61 | 1.416 | 1,416 | 25,600 | 0.014 | 0.015 | 1,294 | 1-1010 |
| Coreopsis | 1590.0 | 61 | 1.453 | 1,490 | 27,000 | 0.011 | 0.014 | 1,333 | 1-1010 |
| Jessamine | 1750.0 | 61 | 1.524 | 1,640 | 29,700 | 0.010 | 0.013 | 1,408 | 1-1010 |
| Cowslip | 2000.0 | 91 | 1.631 | 1,875 | 34,200 | 0.009 | 0.012 | 1,518 | 1-1157 |
| Sagebrush | 2250.0 | 91 | 1.730 | 2,130 | 37,500 | 0.008 | 0.011 | 1,612 | 1-1157 |
| Lupine | 2500.0 | 91 | 1.823 | 2,366 | 41,900 | 0.007 | 0.010 | 1,706 | 1-1157 |
| Bitterroot | 2750.0 | 91 | 1.912 | 2,603 | 46,100 | 0.006 | 0.009 | 1,793 | 1-1157 |
| Trillium | 3000.0 | 127 | 1.998 | 2,839 | 50,300 | 0.006 | 0.008 | 1,874 | 1-1032 |
| Blubonnet | 3500.0 | 127 | 2.158 | 3,345 | 58,700 | 0.005 | 0.008 | 2,024 | 1-1032 |

**Note:** Conductor temperature at 75°, ambient temperature 25°C, emissivity 0.5, wind 2 ft/sec, in sun.

© 2011, AFL, all rights reserved. PP-3-00069, Revision 7, 3.3.2026
Specifications are subject to change without notice.

# Conductor Information for AAAC Conductors

| Code Name | Size | Stranding | Diameter | Weight per 1000 ft | Rated Strength | Resistance OHMS per 1000 ft | | Allowable Ampacity[1] | SAG10® Chart Number |
|---|---|---|---|---|---|---|---|---|---|
| | kcmil | Al | in | lbs | lbs | DC @ 20°C | AC @ 75°C | Amps | |
| Akron | 30.58 | 7 | 0.198 | 29 | 1,110 | 0.659 | 0.785 | 107 | 1-1068 |
| Alton | 48.69 | 7 | 0.250 | 45 | 1,760 | 0.414 | 0.493 | 143 | 1-1068 |
| Ames | 77.47 | 7 | 0.316 | 72 | 2,800 | 0.260 | 0.310 | 191 | 1-1068 |
| Azusa | 123.3 | 7 | 0.398 | 115 | 4,460 | 0.163 | 0.195 | 256 | 1-1068 |
| Anaheim | 155.4 | 7 | 0.447 | 145 | 5,390 | 0.130 | 0.154 | 296 | 1-1068 |
| Amherst | 195.7 | 7 | 0.502 | 183 | 6,790 | 0.103 | 0.123 | 342 | 1-1068 |
| Alliance | 246.9 | 7 | 0.563 | 230 | 8,560 | 0.082 | 0.097 | 395 | 1-1068 |
| Butte | 312.8 | 19 | 0.642 | 292 | 11,000 | 0.064 | 0.077 | 460 | 1-1056 |
| Canton | 394.5 | 19 | 0.720 | 368 | 13,300 | 0.051 | 0.061 | 532 | 1-1056 |
| Cairo | 465.4 | 19 | 0.783 | 434 | 15,600 | 0.043 | 0.052 | 590 | 1-1056 |
| Darien | 559.5 | 19 | 0.858 | 522 | 18,800 | 0.036 | 0.043 | 663 | 1-1056 |
| Elgin | 652.4 | 19 | 0.927 | 608 | 21,900 | 0.031 | 0.037 | 729 | 1-1056 |
| Flint | 740.8 | 37 | 0.990 | 691 | 24,400 | 0.027 | 0.033 | 790 | 1-1155 |
| Greeley | 927.2 | 37 | 1.108 | 865 | 30,500 | 0.022 | 0.026 | 908 | 1-1155 |

**Note:** Conductor temperature at 75°, ambient temperature 25°C, emissivity 0.5, wind 2 ft/sec, in sun.

© 2011, AFL, all rights reserved. PP-3-00069, Revision 7, 3.3.2026
Specifications are subject to change without notice.

# Conductor Information for ACAR Conductors

| Size | Stranding | Diameter (inches) | Weight per 1000 ft | Rated Strength | Resistance OHMS per 1000 ft | | Allowable Ampacity[1] | SAG10® Chart Number |
|---|---|---|---|---|---|---|---|---|
| kcmil | AAC/ AAAC | Complete Cable OD | lbs | lbs | DC @ 20°C | AC @ 75°C | Amps | |
| 355.0 | 12/7 | 0.683 | 332 | 8,500 | 0.051 | 0.062 | 519 | 1-1196 |
| 465.9 | 12/7 | 0.783 | 436 | 11,000 | 0.039 | 0.048 | 616 | 1-1196 |
| 503.6 | 12/7 | 0.814 | 471 | 11,900 | 0.036 | 0.044 | 646 | 1-1196 |
| 653.1 | 12/7 | 0.927 | 611 | 15,400 | 0.028 | 0.034 | 760 | 1-1196 |
| 739.8 | 30/7 | 0.990 | 693 | 15,300 | 0.024 | 0.030 | 831 | 1-1203 |
| 739.8 | 18/19 | 0.990 | 692 | 18,800 | 0.025 | 0.031 | 814 | 1-1206 |
| 853.7 | 30/7 | 1.063 | 799 | 17,500 | 0.021 | 0.026 | 907 | 1-1203 |
| 853.7 | 18/19 | 1.063 | 798 | 21,500 | 0.022 | 0.027 | 890 | 1-1206 |
| 927.2 | 30/7 | 1.108 | 868 | 19,000 | 0.019 | 0.024 | 955 | 1-1203 |
| 927.2 | 18/19 | 1.108 | 867 | 23,400 | 0.020 | 0.025 | 936 | 1-1206 |
| 1024.5 | 30/7 | 1.165 | 959 | 20,900 | 0.017 | 0.022 | 1,015 | 1-1203 |
| 1024.5 | 18/19 | 1.165 | 958 | 25,800 | 0.018 | 0.023 | 995 | 1-1206 |
| 1081.0 | 30/7 | 1.196 | 1,012 | 22,100 | 0.016 | 0.021 | 1,048 | 1-1203 |
| 1081.0 | 18/19 | 1.196 | 1,011 | 27,200 | 0.017 | 0.021 | 1,028 | 1-1206 |
| 1109.0 | 30/7 | 1.212 | 1,038 | 22,700 | 0.016 | 0.020 | 1,065 | 1-1203 |
| 1109.0 | 18/19 | 1.212 | 1,037 | 27,900 | 0.017 | 0.021 | 1,044 | 1-1206 |
| 1172.0 | 30/7 | 1.246 | 1,097 | 24,000 | 0.015 | 0.019 | 1,101 | 1-1203 |
| 1172.0 | 18/19 | 1.246 | 1,096 | 29,500 | 0.016 | 0.020 | 1,080 | 1-1206 |
| 1197.0 | 30/7 | 1.259 | 1,121 | 24,500 | 0.015 | 0.019 | 1,115 | 1-1203 |
| 1197.0 | 18/19 | 1.259 | 1,119 | 30,200 | 0.016 | 0.019 | 1,094 | 1-1206 |
| 1280.0 | 30/7 | 1.302 | 1,199 | 26,200 | 0.014 | 0.018 | 1,160 | 1-1203 |
| 1280.0 | 18/19 | 1.302 | 1,197 | 32,200 | 0.015 | 0.018 | 1,139 | 1-1206 |
| 1361.0 | 42/19 | 1.344 | 1,274 | 30,300 | 0.013 | 0.017 | 1,196 | 1-1125 |
| 1527.0 | 42/19 | 1.424 | 1,429 | 33,600 | 0.012 | 0.015 | 1,314 | 1-1125 |
| 1703.0 | 42/19 | 1.504 | 1,594 | 37,500 | 0.011 | 0.014 | 1,363 | 1-1125 |
| 1933.0 | 42/19 | 1.602 | 1,809 | 42,500 | 0.009 | 0.012 | 1,465 | 1-1125 |
| 2267.0 | 42/19 | 1.735 | 2,142 | 49,900 | 0.008 | 0.011 | 1,594 | 1-1125 |
| 2339.0 | 42/19 | 1.762 | 2,210 | 51,500 | 0.008 | 0.011 | 1,622 | 1-1125 |
| 2493.0 | 72/19 | 1.821 | 2,357 | 50,400 | 0.007 | 0.010 | 1,687 | 1-1235 |
| 2493.0 | 54/37 | 1.821 | 2,355 | 57,600 | 0.007 | 0.010 | 1,670 | 1-1105 |

**Note:** Conductor temperature at 75°, ambient temperature 25°C, emissivity 0.5, wind 2 ft/sec, in sun.

© 2011, AFL, all rights reserved. PP-3-00069, Revision 7, 3.3.2026
Specifications are subject to change without notice.

# Thermal Expansion
# Aluminum Tubular Bus Conductor

| Length | | Temperature Change °C[1] | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10° | | 20° | | 30° | | 40° | | 50° | |
| | | Change in Length | | | | | | | | | |
| ft | m | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm |
| 10 | 3.05 | 0.028 | 0.7 | 0.055 | 1.4 | 0.083 | 2.1 | 0.11 | 2.8 | 0.138 | 3.5 |
| 20 | 6.1 | 0.055 | 1.4 | 0.110 | 2.8 | 0.166 | 4.2 | 0.221 | 5.6 | 0.276 | 7.0 |
| 30 | 9.14 | 0.083 | 2.1 | 0.166 | 4.2 | 0.284 | 6.3 | 0.331 | 8.4 | 0.414 | 10.5 |
| 40 | 12.19 | 0.110 | 2.8 | 0.221 | 5.6 | 0.331 | 8.4 | 0.442 | 11.2 | 0.552 | 14.0 |
| 50 | 15.24 | 0.138 | 3.5 | 0.276 | 7.0 | 0.414 | 10.5 | 0.552 | 14.0 | 0.69 | 17.5 |
| 60 | 18.29 | 0.166 | 4.2 | 0.331 | 8.4 | 0.497 | 12.6 | 0.662 | 16.8 | 0.828 | 21.0 |
| 70 | 21.34 | 0.192 | 4.9 | 0.386 | 9.8 | 0.580 | 14.7 | 0.773 | 19.6 | 0.966 | 24.5 |
| 80 | 24.38 | 0.221 | 5.6 | 0.442 | 11.2 | 0.662 | 16.8 | 0.883 | 22.4 | 1.104 | 28.0 |
| 90 | 27.43 | 0.248 | 6.3 | 0.497 | 12.6 | 0.745 | 18.9 | 0.994 | 25.2 | 1.242 | 31.5 |
| 100 | 30.48 | 0.276 | 7.0 | 0.522 | 14.0 | 0.828 | 21.0 | 1.104 | 28.0 | 1.38 | 35.0 |

| Length | | Temperature Change °C[1] | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 60° | | 70° | | 80° | | 90° | | 100° | |
| | | Change in Length | | | | | | | | | |
| ft | m | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm |
| 10 | 3.05 | 0.166 | 4.2 | 0.193 | 4.9 | 0.221 | 5.6 | 0.248 | 6.3 | 0.276 | 7.0 |
| 20 | 6.1 | 0.331 | 8.4 | 0.386 | 9.8 | 0.442 | 11.2 | 0.497 | 12.6 | 0.552 | 14.0 |
| 30 | 9.14 | 0.497 | 12.6 | 0.580 | 14.7 | 0.662 | 16.8 | 0.745 | 18.9 | 0.828 | 21.0 |
| 40 | 12.19 | 0.662 | 16.8 | 0.773 | 19.6 | 0.883 | 22.4 | 0.994 | 25.2 | 1.104 | 28.0 |
| 50 | 15.24 | 0.828 | 21.0 | 0.966 | 24.5 | 1.104 | 28.0 | 1.242 | 31.5 | 1.38 | 35.1 |
| 60 | 18.29 | 0.994 | 25.2 | 1.159 | 29.4 | 1.325 | 33.7 | 1.49 | 37.8 | 1.656 | 42.1 |
| 70 | 21.34 | 1.159 | 29.4 | 1.352 | 34.3 | 1.546 | 39.3 | 1.739 | 44.2 | 1.932 | 49.1 |
| 80 | 24.38 | 1.325 | 33.7 | 1.546 | 39.3 | 1.766 | 44.9 | 1.987 | 50.5 | 2.208 | 56.1 |
| 90 | 27.43 | 1.49 | 37.8 | 1.739 | 44.2 | 1.987 | 50.5 | 2.236 | 56.8 | 2.484 | 63.1 |
| 100 | 30.48 | 1.656 | 42.1 | 1.932 | 49.1 | 2.208 | 56.1 | 2.484 | 63.1 | 2.76 | 70.1 |

1. Coefficient of thermal expansion for tubular bus conductor is 0.000023 per unit length per °C.

© 2011, AFL, all rights reserved. PP-3-00069, Revision 7, 3.3.2026
Specifications are subject to change without notice.

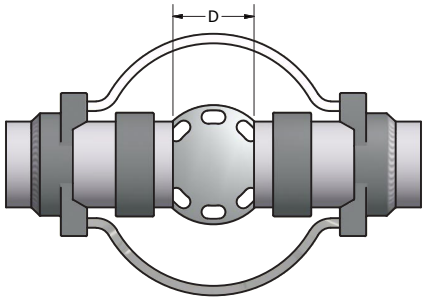
# Expansion, Coupler and Support
## Typical Bolted & Welded Types (Welded Type shown)

The expansion space (Dimension "D" on illustration) provided for expansion supports and couplers is based on an installation temperature of 68˚F (20˚C) and an operating temperature range between 200˚F (93˚C) maximum and -20˚F (-29˚C) minimum.

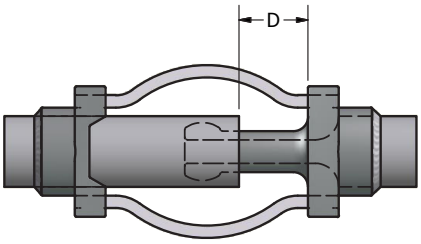
The temperature range is based on a maximum run length between fixed supports of 80 ft. (24.4m) for 3/4" thru 1-1/2" NPS and 150 ft. (45.7m) for 2" thru 6" NPS. Assembly dimensions are based on expansion support or expansion coupler being centered between fixed supports.

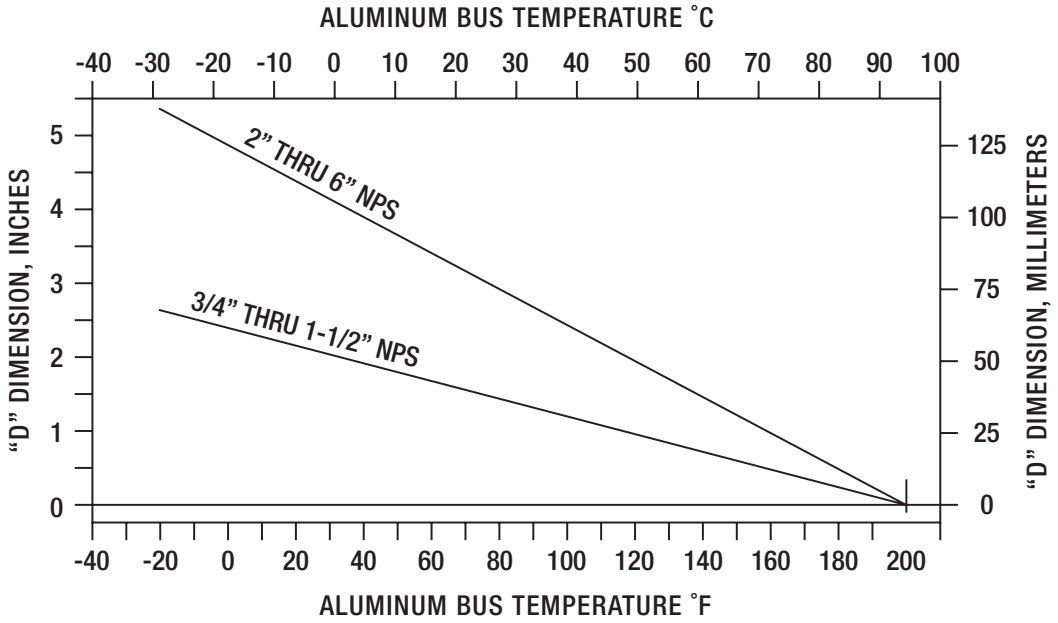
Spaces provided for expansion, based on an installation temperature of 68˚F (20˚C) are 1.75" (44.5mm) for 3/4" thru 1-1/2" NPS and 3.25" (82.6mm) for 2" thru 6" NPS. Installation dimensions must be altered to compensate for installation temperatures other than 68˚F (20˚C) which affects space provided for expansion ("D" on illustration) by using graph shown below.

Expansion Support




Expansion Coupler




© 2011, AFL, all rights reserved. PP-3-00069, Revision 7, 3.3.2026
Specifications are subject to change without notice.

# Expansion Terminal

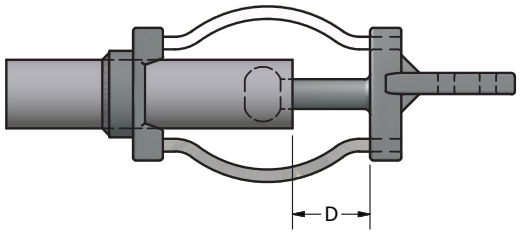
## Typical Bolted and Welded Types (Welded Type shown)

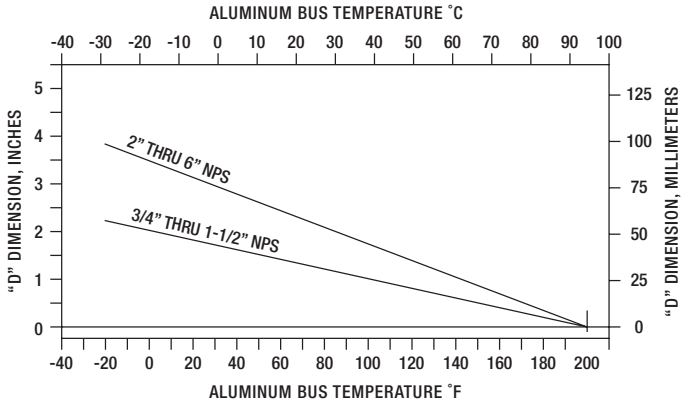
The expansion space (Dimension “D” on illustration) provided for expansion terminals is based on an installation temperature of 68°F (20°C) and an operating temperature range between 200°F (93°C) maximum and -20°F (-29°C) minimum.

The temperature range is based on a maximum run length between fixed support and terminal of 60 ft. (18.3 m) for 3/4” through 1-1/2” NPS and 100 ft. (30.5 m) for 2” through 6” NPS.

Spaces provided for expansion based on an installation temperature of 68°F (20°C) are 1.30” (33 mm) for 3/4” through 1-1/2” NPS and 2.25” (57 mm) for 2” through 6” NPS. Installation dimensions must be altered to compensate for installation temperatures other than 68°F (20°C) which affects space provided for expansion (“D” on illustration) by using graph shown at right.

**Terminal**



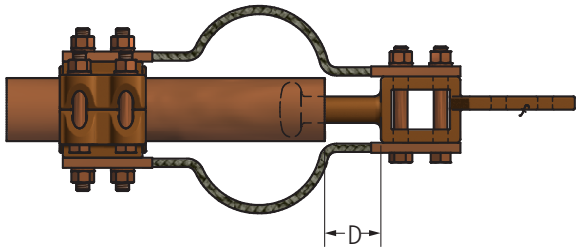




# Bronze Expansion Terminal

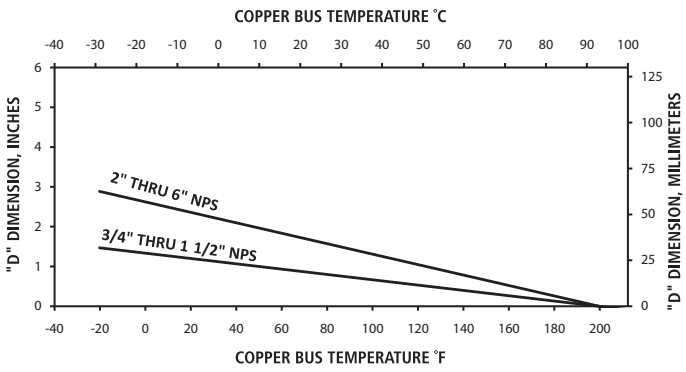
The expansion space (Dimension “D” on illustration) provided for expansion terminals is based on an installation temperature of 68°F (20°C) and an operating temperature range between 200°F (93°C) maximum and -20°F (-29°C) minimum.

The temperature range is based on a maximum run length between fixed support and terminal of 60 ft. (18.3 m) for 3/4” thruough1-1/2” NPS and 100 ft. (30.5 m) for 2” through 6” NPS.

Spaces provided for expansion of bronze terminals based on an installation temperature of 68°F (20°C) are 0.88” (22 mm) for 3/4” through 1-1/2” NPS and 1.5” (38 mm) for 2” through 6” NPS. Installation dimensions must be altered to compensate for installation temperatures other than 68°F (20°C) which affects space provided for expansion (“D” on illustration) by using graph shown at right.




**Bronze Terminal**




© 2011, AFL, all rights reserved. PP-3-00069, Revision 7, 3.3.2026
Specifications are subject to change without notice.



AFLglobal.com
1 (800) 890-8878

# Standard Pipe Size
## Nominal Dimensions & Weight

### Aluminum

| Nominal Pipe Size inches | Diameter | | Wall Thickness | Wall Area | Weight |
|---|---|---|---|---|---|
| | Outside | Inside | | | |
| | in. | in. | in. | in.² | lb/ft |
| **ASA Schedule 40 Pipe (Standard Pipe Size)** | | | | | |
| 1 | 1.315 | 1.049 | 0.133 | 0.494 | 0.581 |
| 1 - 1/4 | 1.660 | 1.380 | 0.140 | 0.668 | 0.786 |
| 1 - 1/2 | 1.900 | 1.610 | 0.145 | 0.800 | 0.940 |
| 2 | 2.375 | 2.067 | 0.154 | 1.074 | 1.264 |
| 2 -1/2 | 2.875 | 2.469 | 0.203 | 1.704 | 2.004 |
| 3 | 3.500 | 3.068 | 0.216 | 2.228 | 2.621 |
| 3 -1/2 | 4.000 | 3.548 | 0.226 | 2.680 | 3.151 |
| 4 | 4.500 | 4.026 | 0.237 | 3.174 | 3.733 |
| 5 | 5.563 | 5.047 | 0.258 | 4.300 | 5.057 |
| 6 | 6.625 | 6.065 | 0.280 | 5.581 | 6.564 |
| 8 | 8.625 | 7.981 | 0.322 | 8.399 | 9.878 |
| **ASA Schedule 80 Pipe (Extra-Heavy Pipe Size)** | | | | | |
| 1 | 1.315 | 0.957 | 0.179 | 0.639 | 0.751 |
| 1 - 1/4 | 1.660 | 1.278 | 0.191 | 0.881 | 1.037 |
| 1 - 1/2 | 1.900 | 1.500 | 0.200 | 1.068 | 1.256 |
| 2 | 2.375 | 1.939 | 0.218 | 1.477 | 1.737 |
| 2 -1/2 | 2.875 | 2.323 | 0.276 | 2.254 | 2.650 |
| 3 | 3.500 | 2.900 | 0.300 | 3.016 | 3.547 |
| 3 -1/2 | 4.000 | 3.364 | 0.318 | 3.678 | 4.326 |
| 4 | 4.500 | 3.826 | 0.337 | 4.407 | 5.183 |
| 5 | 5.563 | 4.813 | 0.375 | 6.112 | 7.188 |
| 6 | 6.625 | 5.761 | 0.432 | 8.405 | 9.884 |
| 8 | 8.625 | 7.625 | 0.500 | 12.763 | 15.008 |

### Copper

| Nominal Pipe Size inches | Diameter | | Wall Thickness | Wall Area | Weight |
|---|---|---|---|---|---|
| | Outside | Inside | | | |
| | in. | in. | in. | in.² | lb/ft |
| **ASA Schedule 40 Pipe (Standard Pipe Size)** | | | | | |
| 1 | 1.315 | 1.062 | 0.127 | 0.472 | 1.830 |
| 1 - 1/4 | 1.660 | 1.368 | 0.146 | 0.694 | 2.680 |
| 1 - 1/2 | 1.900 | 1.600 | 0.150 | 0.825 | 3.190 |
| 2 | 2.375 | 2.062 | 0.157 | 1.091 | 4.210 |
| 2 - 1/2 | 2.875 | 2.500 | 0.188 | 1.583 | 6.120 |
| 3 | 3.500 | 3.062 | 0.219 | 2.257 | 8.720 |
| 3 - 1/2 | 4.000 | 3.500 | 0.250 | 2.945 | 11.380 |
| 4 | 4.500 | 4.000 | 0.250 | 3.338 | 12.900 |
| 4 - 1/2 | 5.000 | 4.500 | 0.250 | 3.731 | 14.420 |
| 5 | 5.563 | 5.063 | 0.250 | 4.173 | 16.120 |
| 6 | 6.625 | 6.125 | 0.250 | 5.007 | 19.350 |
| **ASA Schedule 80 Pipe (Extra-Heavy Pipe Size)** | | | | | |
| 1 | 1.315 | 0.951 | 0.182 | 0.648 | 2.510 |
| 1 - 1/4 | 1.660 | 1.272 | 0.194 | 0.839 | 3.460 |
| 1 - 1/2 | 1.900 | 1.494 | 0.203 | 1.080 | 4.190 |
| 2 | 2.375 | 1.933 | 0.221 | 1.490 | 5.790 |
| 2 - 1/2 | 2.875 | 2.315 | 0.280 | 2.290 | 8.840 |
| 3 | 3.500 | 2.892 | 0.304 | 3.050 | 11.820 |
| 3 - 1/2 | 4.000 | 3.358 | 0.321 | 3.710 | 14.370 |
| 4 | 4.500 | 3.818 | 0.341 | 4.450 | 17.250 |
| 5 | 5.563 | 4.813 | 0.375 | 6.110 | 23.670 |
| 6 | 6.625 | 5.751 | 0.437 | 8.490 | 32.930 |
| 8 | 8.625 | 7.625 | 0.500 | 12.760 | 49.420 |

© 2011, AFL, all rights reserved. PP-3-00069, Revision 7, 3.3.2026
Specifications are subject to change without notice.

# Bus Conductors Deflection & Stress Formulas

| | Simple Beam | Beam Fixed at Both Ends | Continuous Beam | |
|---|---|---|---|---|
| | | | 2 Spans | More than 2 Spans |
| Maximum Deflection ⑤ | $D = \frac{5wl^4}{384EI}$ | $D = \frac{wl^4}{384EI}$ | $D = \frac{wl^4}{185EI}$ | ① |
| Maximum Moment | $M = \frac{wl^2}{8}$ ② | $M = \frac{wl}{12}$ ③ | $M = \frac{wl^2}{8}$ ④ | $M = 0.107wl^2$ ④ |
| Fiber Stress | $f^1 = \frac{wl^2}{8S}$ ② | $f^1 = \frac{wl^2}{12S}$ ③ | $f^1 = \frac{wl^2}{8S}$ ④ | $f^1 = \frac{0.107wl^2}{S}$ ④ |
| Maximum Load | $W = \frac{8fS}{l}$ | $W = \frac{12fS}{l}$ | $W = \frac{8fS}{l}$ | $W = \frac{fS}{0.1071}$ |
| Maximum Span | $l = \sqrt{\frac{8fS}{w}}$ | $l = \sqrt{\frac{12fS}{w}}$ | $l = \sqrt{\frac{8fS}{w}}$ | $l = \sqrt{\frac{fS}{0.107w}}$ |

$D$ = deflection in inches

$w$ = load in lb/in. of length $\frac{\text{lbs. per ft}}{12}$

$W$ = total uniform load in pounds (wl)

$l$ = span in inches

$E$ = modulus of elasticity, lb/sq in.

$I$ = moment of inertia, inches ④

$M$ = bending moment in pounds - inches

$S$ = section modulus, inches ②

$f^1$ = fiber stress in lb/sq in.

$f$ = maximum allowable fiber stress in lb/sq in. (The value of minimum yield strength is commonly used.)

① Maximum deflection occurs in the end spans and is only slightly more than that for a continuous beam of 2 spans.
② Maximum moment and fiber stress for simple beams occur at the center of the span.
③ Maximum moment and fiber stress for beams fixed ath both ends occur at the points of support.
④ Maximum moment and fiber stress for continuous beams occur at the second support from each end.
⑤ See page S-1 11

© 2011, AFL, all rights reserved. PP-3-00069, Revision 7, 3.3.2026
Specifications are subject to change without notice.

# Deflection Values – ASA Schedule 40 Aluminum Pipe

| Conditions | Nominal Pipe Size (in.) | Span (ft) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 20 | | 25 | | 30 | | 35 | | 40 | | 45 | | 50 | |
| | | Deflection ①② | | | | | | | | | | | | | |
| | | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm |
| Bare Conductor (No Wind or Ice) | 1 | 2.39 | 61 | — | — | — | — | — | — | — | — | — | — | — | — |
| | 1 1/4 | 1.45 | 37 | 3.54 | 90 | — | — | — | — | — | — | — | — | — | — |
| | 1 1/2 | 1.09 | 28 | 2.66 | 68 | — | — | — | — | — | — | — | — | — | — |
| | 2 | 0.68 | 17 | 1.67 | 42 | 3.45 | 88 | — | — | — | — | — | — | — | — |
| | 2 1/2 | 0.47 | 12 | 1.15 | 29 | 2.38 | 61 | 4.42 | 112 | — | — | — | — | — | — |
| | 3 | 0.31 | 8 | 0.76 | 19 | 1.58 | 40 | 2.93 | 74 | 4.99 | 127 | — | — | — | — |
| | 3 1/2 | 0.24 | 6 | 0.58 | 15 | 1.20 | 30 | 2.22 | 56 | 3.78 | 96 | 6.06 | 154 | — | — |
| | 4 | 0.19 | 5 | 0.45 | 11 | 0.94 | 24 | 1.74 | 44 | 2.97 | 75 | 4.75 | 121 | 7.24 | 184 |
| | 5 | 0.12 | 3 | 0.29 | 7 | 0.61 | 15 | 1.12 | 29 | 1.92 | 49 | 3.07 | 78 | 4.68 | 119 |
| | 6 | 0.08 | 2 | 0.20 | 5 | 0.42 | 11 | 0.79 | 20 | 1.34 | 34 | 2.15 | 55 | 3.27 | 83 |
| | 8 | 0.05 | 1 | 0.12 | 3 | 0.25 | 6 | 0.46 | 12 | 0.78 | 20 | 1.25 | 32 | 1.91 | 49 |
| 1/2-in Ice (13 mm) | 1 | 7.03 | 179 | — | — | — | — | — | — | — | — | — | — | — | — |
| | 1 1/4 | 3.93 | 100 | 9.59 | 244 | — | — | — | — | — | — | — | — | — | — |
| | 1 1/2 | 2.82 | 72 | 6.88 | 175 | — | — | — | — | — | — | — | — | — | — |
| | 2 | 1.65 | 42 | 4.02 | 102 | 8.34 | 212 | — | — | — | — | — | — | — | — |
| | 2 1/2 | 0.96 | 24 | 2.35 | 60 | 4.88 | 124 | 9.04 | 230 | — | — | — | — | — | — |
| | 3 | 0.61 | 15 | 1.49 | 38 | 3.08 | 78 | 5.71 | 145 | 9.73 | 247 | — | — | — | — |
| | 3 1/2 | 0.45 | 11 | 1.09 | 28 | 2.26 | 57 | 4.19 | 106 | 7.14 | 181 | 11.44 | 291 | — | — |
| | 4 | 0.34 | 9 | 0.83 | 21 | 1.72 | 44 | 3.19 | 81 | 5.44 | 138 | 8.71 | 221 | 13.28 | 337 |
| | 5 | 0.21 | 5 | 0.51 | 13 | 1.06 | 27 | 1.96 | 50 | 3.35 | 85 | 5.36 | 136 | 8.17 | 208 |
| | 6 | 0.14 | 4 | 0.34 | 9 | 0.71 | 18 | 1.32 | 33 | 2.25 | 57 | 3.60 | 91 | 5.48 | 139 |
| | 8 | 0.08 | 2 | 0.19 | 5 | 0.39 | 10 | 0.72 | 18 | 1.23 | 31 | 1.98 | 50 | 3.01 | 76 |
| 1/2-in (13 mm) Ice 4-psf (1,8 Kg/m²) Wind plus NESC constant | 1 | 8.95 | 227 | — | — | — | — | — | — | — | — | — | — | — | — |
| | 1 1/4 | 4.81 | 122 | 11.74 | 298 | — | — | — | — | — | — | — | — | — | — |
| | 1 1/2 | 3.38 | 86 | 8.26 | 210 | — | — | — | — | — | — | — | — | — | — |
| | 2 | 1.92 | 49 | 4.68 | 119 | 9.71 | 247 | — | — | — | — | — | — | — | — |
| | 2 1/2 | 1.08 | 27 | 2.64 | 67 | 5.47 | 139 | 10.14 | 257 | — | — | — | — | — | — |
| | 3 | 0.67 | 17 | 1.63 | 42 | 3.39 | 86 | 6.28 | 160 | 10.72 | 272 | — | — | — | — |
| | 3 1/2 | 0.49 | 12 | 1.19 | 30 | 2.46 | 63 | 4.56 | 116 | 7.78 | 198 | 12.46 | 316 | — | — |
| | 4 | 0.37 | 9 | 0.90 | 23 | 1.86 | 47 | 3.44 | 87 | 5.87 | 149 | 9.40 | 239 | 14.33 | 364 |
| | 5 | 0.22 | 6 | 0.54 | 14 | 1.13 | 29 | 2.09 | 53 | 3.56 | 90 | 5.71 | 145 | 8.70 | 221 |
| | 6 | 0.15 | 4 | 0.36 | 9 | 0.75 | 19 | 1.39 | 35 | 2.37 | 60 | 3.79 | 96 | 5.78 | 147 |
| | 8 | 0.08 | 2 | 0.20 | 5 | 0.41 | 10 | 0.75 | 19 | 1.28 | 33 | 2.06 | 52 | 3.13 | 80 |
| 1-in Ice (25 mm) | 1 | 14.23 | 361 | — | — | — | — | — | — | — | — | — | — | — | — |
| | 1 1/4 | 7.55 | 192 | 18.44 | 468 | — | — | — | — | — | — | — | — | — | — |
| | 1 1/2 | 5.27 | 134 | 12.87 | 327 | — | — | — | — | — | — | — | — | — | — |
| | 2 | 2.95 | 75 | 7.20 | 183 | 14.92 | 379 | — | — | — | — | — | — | — | — |
| | 2 1/2 | 1.60 | 41 | 3.91 | 99 | 8.11 | 206 | 15.03 | 382 | — | — | — | — | — | — |
| | 3 | 0.98 | 25 | 2.39 | 61 | 4.95 | 126 | 9.18 | 233 | 15.66 | 398 | — | — | — | — |
| | 3 1/2 | 0.70 | 18 | 1.72 | 44 | 3.56 | 90 | 6.59 | 167 | 11.25 | 286 | 18.02 | 458 | — | — |
| | 4 | 0.53 | 13 | 1.28 | 33 | 2.66 | 68 | 4.93 | 125 | 8.40 | 213 | 13.46 | 342 | 20.52 | 521 |
| | 5 | 0.31 | 8 | 0.76 | 19 | 1.59 | 40 | 2.94 | 75 | 5.01 | 127 | 8.03 | 204 | 12.24 | 311 |
| | 6 | 0.20 | 5 | 0.50 | 13 | 1.04 | 26 | 1.92 | 49 | 3.28 | 83 | 5.25 | 133 | 8.00 | 203 |
| | 8 | 0.11 | 3 | 0.26 | 7 | 0.55 | 14 | 1.02 | 26 | 1.73 | 44 | 2.78 | 70 | 4.23 | 107 |

① These are maximum deflection values for a simple beam with uniformly distributed load. For beams fixed at both ends the deflection will be 1/5 of the values given.

② Deflection $d1$ for any other span $L1$ may be obtained from relation:

$$d1 = d = \frac{(L1^4)}{(L^4)}$$

③ Referred to in product tables as "SPS"

© 2011, AFL, all rights reserved. PP-3-00069, Revision 7, 3.3.2026
Specifications are subject to change without notice.

# Deflection Values ASA Schedule 80 Aluminum Pipe

| Conditions | Nominal Pipe Size (in.) | Span (ft) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 20 | | 25 | | 30 | | 35 | | 40 | | 45 | | 50 | |
| | | Deflection ①② | | | | | | | | | | | | | |
| | | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm |
| Bare Conductor (No Wind or Ice) | 1 | 2.39 | 61 | — | — | — | — | — | — | — | — | — | — | — | — |
| | 1 1/4 | 1.45 | 37 | 3.54 | 90 | — | — | — | — | — | — | — | — | — | — |
| | 1 1/2 | 1.09 | 28 | 2.66 | 68 | — | — | — | — | — | — | — | — | — | — |
| | 2 | 0.68 | 17 | 1.67 | 42 | 3.45 | 88 | — | — | — | — | — | — | — | — |
| | 2 1/2 | 0.47 | 12 | 1.15 | 29 | 2.38 | 61 | 4.42 | 112 | — | — | — | — | — | — |
| | 3 | 0.31 | 8 | 0.76 | 19 | 1.58 | 40 | 2.93 | 74 | 4.99 | 127 | — | — | — | — |
| | 3 1/2 | 0.24 | 6 | 0.58 | 15 | 1.20 | 30 | 2.22 | 56 | 3.78 | 96 | 6.06 | 154 | — | — |
| | 4 | 0.19 | 5 | 0.45 | 11 | 0.94 | 24 | 1.74 | 44 | 2.97 | 75 | 4.75 | 121 | 7.24 | 184 |
| | 5 | 0.12 | 3 | 0.29 | 7 | 0.61 | 15 | 1.12 | 29 | 1.92 | 49 | 3.07 | 78 | 4.68 | 119 |
| | 6 | 0.08 | 2 | 0.20 | 5 | 0.42 | 11 | 0.79 | 20 | 1.34 | 34 | 2.15 | 55 | 3.27 | 83 |
| | 8 | 0.05 | 1 | 0.12 | 3 | 0.25 | 6 | 0.46 | 12 | 0.78 | 20 | 1.25 | 32 | 1.91 | 49 |
| 1/2-in Ice (13 mm) | 1 | 7.03 | 179 | — | — | — | — | — | — | — | — | — | — | — | — |
| | 1 1/4 | 3.93 | 100 | 9.59 | 244 | — | — | — | — | — | — | — | — | — | — |
| | 1 1/2 | 2.82 | 72 | 6.88 | 175 | — | — | — | — | — | — | — | — | — | — |
| | 2 | 1.65 | 42 | 4.02 | 102 | 8.34 | 212 | — | — | — | — | — | — | — | — |
| | 2 1/2 | 0.96 | 24 | 2.35 | 60 | 4.88 | 124 | 9.04 | 230 | — | — | — | — | — | — |
| | 3 | 0.61 | 15 | 1.49 | 38 | 3.08 | 78 | 5.71 | 145 | 9.73 | 247 | — | — | — | — |
| | 3 1/2 | 0.45 | 11 | 1.09 | 28 | 2.26 | 57 | 4.19 | 106 | 7.14 | 181 | 11.44 | 291 | — | — |
| | 4 | 0.34 | 9 | 0.83 | 21 | 1.72 | 44 | 3.19 | 81 | 5.44 | 138 | 8.71 | 221 | 13.28 | 337 |
| | 5 | 0.21 | 5 | 0.51 | 13 | 1.06 | 27 | 1.96 | 50 | 3.35 | 85 | 5.36 | 136 | 8.17 | 208 |
| | 6 | 0.14 | 4 | 0.34 | 9 | 0.71 | 18 | 1.32 | 33 | 2.25 | 57 | 3.60 | 91 | 5.48 | 139 |
| | 8 | 0.08 | 2 | 0.19 | 5 | 0.39 | 10 | 0.72 | 18 | 1.23 | 31 | 1.98 | 50 | 3.01 | 76 |
| 1/2-in (13 mm) Ice 4-psf (1,8 Kg/m²) Wind plus NESC constant | 1 | 8.95 | 227 | — | — | — | — | — | — | — | — | — | — | — | — |
| | 1 1/4 | 4.81 | 122 | 11.74 | 298 | — | — | — | — | — | — | — | — | — | — |
| | 1 1/2 | 3.38 | 86 | 8.26 | 210 | — | — | — | — | — | — | — | — | — | — |
| | 2 | 1.92 | 49 | 4.68 | 119 | 9.71 | 247 | — | — | — | — | — | — | — | — |
| | 2 1/2 | 1.08 | 27 | 2.64 | 67 | 5.47 | 139 | 10.14 | 257 | — | — | — | — | — | — |
| | 3 | 0.67 | 17 | 1.63 | 42 | 3.39 | 86 | 6.28 | 160 | 10.72 | 272 | — | — | — | — |
| | 3 1/2 | 0.49 | 12 | 1.19 | 30 | 2.46 | 63 | 4.56 | 116 | 7.78 | 198 | 12.46 | 316 | — | — |
| | 4 | 0.37 | 9 | 0.90 | 23 | 1.86 | 47 | 3.44 | 87 | 5.87 | 149 | 9.40 | 239 | 14.33 | 364 |
| | 5 | 0.22 | 6 | 0.54 | 14 | 1.13 | 29 | 2.09 | 53 | 3.56 | 90 | 5.71 | 145 | 8.70 | 221 |
| | 6 | 0.15 | 4 | 0.36 | 9 | 0.75 | 19 | 1.39 | 35 | 2.37 | 60 | 3.79 | 96 | 5.78 | 147 |
| | 8 | 0.08 | 2 | 0.20 | 5 | 0.41 | 10 | 0.75 | 19 | 1.28 | 33 | 2.06 | 52 | 3.13 | 80 |
| 1-in Ice (25 mm) | 1 | 14.23 | 361 | — | — | — | — | — | — | — | — | — | — | — | — |
| | 1 1/4 | 7.55 | 192 | 18.44 | 468 | — | — | — | — | — | — | — | — | — | — |
| | 1 1/2 | 5.27 | 134 | 12.87 | 327 | — | — | — | — | — | — | — | — | — | — |
| | 2 | 2.95 | 75 | 7.20 | 183 | 14.92 | 379 | — | — | — | — | — | — | — | — |
| | 2 1/2 | 1.60 | 41 | 3.91 | 99 | 8.11 | 206 | 15.03 | 382 | — | — | — | — | — | — |
| | 3 | 0.98 | 25 | 2.39 | 61 | 4.95 | 126 | 9.18 | 233 | 15.66 | 398 | — | — | — | — |
| | 3 1/2 | 0.70 | 18 | 1.72 | 44 | 3.56 | 90 | 6.59 | 167 | 11.25 | 286 | 18.02 | 458 | — | — |
| | 4 | 0.53 | 13 | 1.28 | 33 | 2.66 | 68 | 4.93 | 125 | 8.40 | 213 | 13.46 | 342 | 20.52 | 521 |
| | 5 | 0.31 | 8 | 0.76 | 19 | 1.59 | 40 | 2.94 | 75 | 5.01 | 127 | 8.03 | 204 | 12.24 | 311 |
| | 6 | 0.20 | 5 | 0.50 | 13 | 1.04 | 26 | 1.92 | 49 | 3.28 | 83 | 5.25 | 133 | 8.00 | 203 |
| | 8 | 0.11 | 3 | 0.26 | 7 | 0.55 | 14 | 1.02 | 26 | 1.73 | 44 | 2.78 | 70 | 4.23 | 107 |

① These are maximum deflection values for a simple beam with uniformly distributed load. For beams fixed at both ends the deflection will be 1/5 of the values given.

② Deflection $d1$ for any other span $L1$ may be obtained from relation:

$$d1 = d = \frac{(L1^4)}{(L^4)}$$

③ Referred to in product tables as "EHPS"

© 2011, AFL, all rights reserved. PP-3-00069, Revision 7, 3.3.2026
Specifications are subject to change without notice.

# General Welding Specification for Tubular Aluminum Bus Conductor

The following items cover key points that should be included in specifications for welding aluminum bus conductors. It is recommended that the references be reviewed in the preparation of proprietary welding specifications:

1. The welding process and all welding operations shall be qualified in accordance with the Aluminum Association, "Aluminum Construction Manual" Section 7.2.4 "Qualification of Welding Procedure and Welding"

2. All joints to be welded shall be free of moisture and hydrocarbon. Moisture can be removed thermally but the temperature applied shall not exceed 250°F (121°C). Degreasing shall be done with a non-toxic solvent so as to leave a minimum of residual on the parts. Sufficient time must be allowed for evaporation of the solvent prior to welding. Wire brushing with a stainless steel wire brush should be employed after solvent cleaning to remove thick heat-treat oxide films, water stains, etc., to permit optimum fusion and soundness of the weld.

3. All welds shall be made by the gas metal-arc (MIG) or the gas tungsten-arc (TIG) welding process. Reversed-polarity direct current shall be used for MIG welding, whereas alternating current shall be used for TIG welding. The shielding gas shall be welding grade argon, helium, or a mixture of the two. Filler alloy 4043 shall be used.

4. The working area should be substantially draft free and should be protected from atmospheric contamination.

5. All welds shall be made with clean metal and the completed weld shall have a smooth finish and shall indicate good fusion with parent metal. Preheating of parts prior to welding shall not exceed 250°F (121°C).

6. All connections shall be checked before, during and after the weld is made. Before the weld is begun, visually inspect the connection to determine proper edge preparation and alignment. During the weld, maintain a smooth and continuous flow of metal into the joint and maintain a constant current setting on the welding station. When several passes are to be made, check the previous pass before laying down the next one to enable detection of poor fusion or cracks.

Defective area shall be removed with a dry chisel prior to application of subsequent weld passes. After the weld has been completed, it shall be again visually inspected for quality and to determine if the weld bead is the correct size. The cross-sectional area of the weld should not be less than that of the smallest member being joined.

7. To repair a defective weld, the defective portion must be entirely removed by chipping or machining. The area to be repaired must be smooth and free of dirt, or foreign matter. The repair weld then may be made in a similar manner as the original.

8. Members being joined should be tack welded in place to prevent misalignment during the welding process.

**REFERENCES:**


1. Aluminum Construction Manual, The Aluminum Association, Inc., 818 Connecticut Ave. N.W., Washington, D.C., 20006.
2. Recommended practices for Gas Shielded-Arc Welding of Aluminum and Aluminum Alloy Pipe, American Welding Society, Inc. 2501 N.W. 7th Street, Miami, Florida, 33125.
3. Welding Alcoa Aluminum, Aluminum Company of America, Pittsburgh Pennsylvania.
4. Guide for Welding Aluminum in Substation , IEEE Transactions, Power Apparatus and Systems (1967). Vol. 86,pp. 775-786


© 2011, AFL, all rights reserved. PP-3-00069, Revision 7, 3.3.2026
Specifications are subject to change without notice.

# General Information—Hardware
## Method for Determining Bolt Length

The following table is to be used for determining bolt length for bolting accessories together when hardware is ordered separately. Bolt length is determined as follows:

1) Determine “grip”. This is the combined thickness of items bolted together. This does not include nuts, washers or pads.
2) Under “grip” column, find grip determined in Step 1. If grip falls between two thicknesses, use the larger to determine bolt length.
3) Read across to find bolt length required under “Bolt Length - No Cover”.
4) If pad cover(s) are required, use columns “Bolt Length - One Cover” or “Bolt Length - Two Covers”.

Note: The table is based on the following dimensions:

| | |
|---|---|
| 1/2 Nut | 0.44” (11mm) Thick |
| 1/2” Flat Washer | 0.11” (3mm) Thick (Two washers required on each bolt) |
| Pad Cover | 0.25” (6mm) Thick |

| Grip | | Bolt Length | | | | | |
|---|---|---|---|---|---|---|---|
| | | No Cover | | One Cover | | Two Covers | |
| in. | mm | in. | mm | in. | mm | in. | mm |
| 1.00 | 25 | 2.00 | 51 | 2.00* | 51* | 2.25* | 57* |
| 1.25 | 32 | 2.25 | 57 | 2.25* | 57* | 2.50* | 64* |
| 1.50 | 38 | 2.50 | 64 | 2.50* | 64* | 2.75* | 70* |
| 1.75 | 44 | 2.75 | 70 | 2.75* | 70* | 3.00* | 76* |
| 2.00 | 51 | 3.00 | 76 | 3.00 | 76 | 3.50 | 89 |
| 2.25 | 57 | 3.50 | 89 | 3.50* | 89* | 3.50* | 89* |
| 2.50 | 64 | 3.50 | 89 | — | — | — | — |
| 2.75 | 70 | 3.50* | 89* | — | — | — | — |

* Bolt and Nut are flush

© 2011, AFL, all rights reserved. PP-3-00069, Revision 7, 3.3.2026
Specifications are subject to change without notice.

# General Information—Filler Compound (AFC)
## Required for Compression Accessories

| Catalog Series / Die Size | 2500 | | 2600 2700 3400 | | 2800 | | 2900 | | 3500 | | 5000 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | lb | g | lb | g | lb | g | lb | g | lb | g | lb | g |
| 30 | .15 | 68 | .13 | 59 | .29 | 131 | .42 | 191 | .13 | 59 | .19 | 86 |
| 34 | .18 | 82 | .15 | 68 | .36 | 163 | .51 | 231 | .16 | 73 | .25 | 113 |
| 36 | .20 | 90 | .16 | 73 | .38 | 172 | .54 | 245 | .22 | 100 | .28 | 127 |
| 38 | .23 | 104 | .19 | 86 | .43 | 195 | .62 | 281 | .28 | 127 | .35 | 159 |
| 40 | .32 | 145 | .27 | 122 | .61 | 277 | .88 | 399 | .36 | 163 | .40 | 181 |
| 42 | .33 | 150 | .28 | 127 | .65 | 295 | .93 | 422 | .40 | 181 | .54 | 245 |
| 44 | .41 | 186 | .33 | 150 | .76 | 345 | 1.1 | 499 | .40 | 181 | .67 | 304 |
| 48 | .61 | 277 | .58 | 263 | 1.1 | 499 | 1.7 | 771 | — | — | — | — |

| Catalog Series / Die Size | 5100 5600 5800 | | 5300 | | 5400 | | 5500 | | 7100 7200 | | 8100 8200 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | lb | g | lb | g | lb | g | lb | g | lb | g | lb | g |
| 30 | .09 | 41 | .32 | 145 | .60 | 272 | .42 | 191 | .15 | 68 | .47 | 213 |
| 34 | .12 | 54 | .41 | 186 | .93 | 422 | .53 | 240 | .20 | 91 | .56 | 254 |
| 36 | .15 | 68 | .52 | 236 | .96 | 435 | .68 | 308 | .26 | 118 | .62 | 281 |
| 38 | .17 | 77 | .58 | 263 | 1.1 | 499 | .75 | 340 | .27 | 122 | .80 | 363 |
| 40 | .20 | 91 | .70 | 318 | 1.1 | 499 | .91 | 413 | .37 | 168 | .90 | 408 |
| 42 | .24 | 109 | .84 | 381 | 1.4 | 635 | 1.1 | 499 | .45 | 204 | 1.1 | 499 |
| 44 | .28 | 127 | 1.2 | 544 | 1.5 | 680 | 1.6 | 726 | .55 | 249 | 1.2 | 544 |
| 48 | — | — | — | — | — | — | — | — | — | — | — | — |

**Notes:**
1. The amount of AFC shown in the tabulation is for the purpose of estimating the amount of compound necessary for a consturction project. The tabulated weights of filler compound shown in the above table for the catalog 5100, 5600 and 5800 terminal does not include sufficient quanity to fill the cavity area at the transition of the barrel and flat pad. If the terminal is installed with the barrel in the upright position, it is imperative that an additional quantity of AFC be used to fill the cavity area.

© 2011, AFL, all rights reserved. PP-3-00069, Revision 7, 3.3.2026
Specifications are subject to change without notice.

AFLglobal.com
1 (800) 890-8878

# General Information—Part Number Suffixes

| Substation Suffix Codes | |
|---|---|
| A | Allen Head Socket Screws |
| AG | Silver Plated |
| B | Base Mounting Hardware |
| BS | Both Sides Finished (Old AFL Numbers) |
| CA | Bi-Metallic Transition Plate |
| CD | Cadmium Plated |
| CH | Anti-Chatter Spring |
| CL | Clevis Eyes will be supplied with Strain Clamp |
| CSBV | Terminal Hardware Shield will be supplied with the Connector |
| E | Lifting Eye |
| EM | Everdur Mounting Hardware |
| F | Terminal Pad Finish on Both Sides |
| G | Jumper Guide |
| GS | Galvanized Steel Hardware |
| H | Hex Head Bolts |
| L | Extra Length |
| LH | Less Hardware |
| LMH | Less Mounting Hardware |
| LN | Lockwasher and Nut |
| LP | Connector Grooves Coated with Alnox and Enclosed in a Polyethylene Bag |
| LPP | Connector Grooves and Terminal Pad are Pre-Coated with Alnox and Enclosed in a Polyethylene Bag |
| MLB | Multi Link Braid |
| MT | Moisture Seal |
| NK | Nickel Plated |
| NP | Item Normally Plated will be Supplied Unplated |
| P | Pulling Eye |
| NN | Confined Pad |
| R | Captive Hex Head Bolts, One Wrench Installation |
| S | Special Cable Range and Special Terminal Pad |
| SN | Tin Plated |
| SO | A Socket Eye will be Supplied with Strain Clamp |
| SS | Stainless Steel Hardware |
| SSM | Stainless Steel Mounting Hardware |
| SW | Split Lockwasher |
| T | Thickness of Bar is Indicated by the Number Immediately Following the Suffix |
| TMH | Tongue Mounting Hardware |
| TMHB | Tongue Mounting Hardware, Stainless Steel, and Belleville Washer |
| TMHF | Tongue Mounting Hardware with Two (2) Flat Surfaces |
| TMHSS | Tongue Mounting Hardware, Stainless Steel |
| TO | Unthreaded Stud |
| U | Undrilled Tongue on Terminals or Lugs |
| WP | End Plugs Supplied with Connector |
| XX | No Oxide Dip |
| X | Oxidation Inhibitor |

| Compression Accessories Suffixes | |
|---|---|
| SS | Stainless Steel Hardware |
| AL | Aluminum Hardware on terminals when hardware is not normally supplied |
| P | Pre-Filled with compound |
| HT | High Temperature accessory |
| EHV | High Voltage application ≤ 345 kV |
| NT | No Terminal |
| NS | Non-specular Finish |
| BNW | Bolt Nut Washer |

| Suspension Units | |
|---|---|
| SC | Socket Clevis |
| SE | Socket Eye |
| BNC | Bolt Nut Cotter |
| YCE | Y Clevis Eye |
| YCE90 | Y Clevis Eye 90 |

| Stockbridge Dampers | |
|---|---|
| BA | Break-a-way Bolt |

**Notes:**

1. The suffix designations above will not appear as part of the catalog number unless specifically requested, in which case there will be an extra charge to cover the stamping or marking operations.

2. When more than one suffix is required to designate more than one special feature, they should be arranged in alphabetical order.

© 2011, AFL, all rights reserved. PP-3-00069, Revision 7, 3.3.2026
Specifications are subject to change without notice.

# Table of Contents

## Bronze

Bronze Connectors Table of Contents . . . 21
Pictorial Index . . . 23

### *Bronze Bus Supports*

Type AD . . . 31
Type CAP . . . 33
Type CBP . . . 34
Type CS . . . 35
Type CVSP . . . 36
Type HSSB, HSSC . . . 37
Type PA, PAP . . . 38
Type PB, PBP . . . 39
Type PL . . . 40
Type PLC . . . 41
Type PSC . . . 42
Type PSD, PSD-U . . . 43
Type PSRE . . . 44
Type PSS, PSS-CH . . . 45
Type PSSR, PSSR-CH . . . 46
Type PSV . . . 47
Type SBC . . . 48
Type SBS . . . 49
Type SAH, SAHD, SHH, SHHD . . . 50
Type SAV, SAVD, SHVD . . . 51
Type SAVS, SHVS . . . 52
Type SSHH, SSHHD . . . 53
Type XBC . . . 54

### *Bronze Couplers*

Type CCV-S . . . 55
Type CP . . . 56
Type HC, HC-A . . . 57
Type RP . . . 58
Type RPCV-S . . . 60
Type UK, UKT . . . 61
Type UKR . . . 62
Type UP2K, UP4K . . . 63
Type UPK . . . 65

### *Bronze Braided or Laminated Expansion*

Type CF-N (NEMA Pad Sizes) . . . 66
Type CF . . . 69
Type CFC . . . 71
Type LX . . . 72
Type XC, XCP, XBP . . . 73
Type XL . . . 75
Type XTP . . . 76
Type XTS . . . 78
Type XTSS, XTSS-N . . . 80

### *Bronze Elbows Tee & Vee Connectors*

Type BCV-S . . . 81
Type BP, BPA-75, BPA-80 . . . 82
Type BPCV-S, BP2CV-S . . . 84
Type BPE . . . 86
Type EP . . . 88
Type PSK, PSKS . . . 89
Type PX . . . 90
Type U2T, UUTT . . . 91
Type UP2T . . . 93
Type UPT . . . 95
Type UT, UUT . . . 97
Type UTS . . . 99
Type VB . . . 100
Type VBPS . . . 101

### *Bronze Parallel, Cross, and Bar Taps*

Type DGF, DGG . . . 102
Type DGM, DGN . . . 103
Type DSU, DSUS . . . 104
Type DSUN . . . 105
Type ES, ESS, ESSN . . . 106
Type GPEX . . . 107
Type GTV . . . 108
Type GTX . . . 110
Type PC . . . 111
Type Q2L, Q2L-E . . . 114
Type QL, QL-E . . . 115
Type TL, TL-E, T2L, T2L-E . . . 116
Type TRV . . . 117
Type UD . . . 118

# Table of Contents


*Bronze Parallel, Cross, and Bar Taps*

Type UDV . . . 119
Type UM . . . 120
Type UP, UP-3 . . . 121
Type WC . . . 122

*Bronze Connectors for Flat Bar*

Type BS . . . 123
Type DH, DA . . . 124
Type HAF, H2AF, H3AF, H4AF . . . 125
Type HHF, H2HF, H3HF, H4HF . . . 127
Type HSS . . . 129

*Bronze Grounding Connectors and Everdur Harware*

Type EB . . . 130
Type EN, EW, ELW, EILW . . . 131
Type G110, G111, G114, G115 . . . 132
Type GA, GAA . . . 133
Type GAM . . . 134
Type GB, GBB . . . 135
Type GCF, GCG . . . 136
Type GD . . . 137
Type GF, GFM . . . 138
Type GG . . . 139
Type GH . . . 140
Type GK . . . 141
Type GL . . . 143
Type GPC . . . 144
Type GPF . . . 146
Type GPH-N . . . 147
Type GPH . . . 148
Type GR . . . 149
Type GS . . . 150
Type GW . . . 151
Type GX . . . 153
Type GZ . . . 154
Type MTRC, MTR2C, MTR3C . . . 156
Type Q2TE, Q3TE, Q4TE . . . 157
Type Q2TS, Q3TS, Q4TS . . . 159
Type TGC . . . 161

*Bronze Stud Connectors*

Type HSC, HS2C, HS3C . . . 162
Type HSC, HSC-90 . . . 164
Type SCX, S2CX . . . 164
Type SP, SP-90 . . . 167
Type SX-A, SX-A-90 . . . 168
Type SX, SX-90, SXP . . . 169
Type US, U2S, US-90, U2S-90 . . . 171

*Bronze Spacers*

Type CASV . . . 173

*Bronze Dead End Clamps*

Type UD2E, UD2E-PG . . . 174

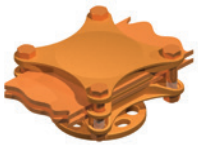
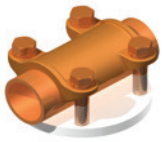
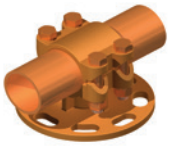
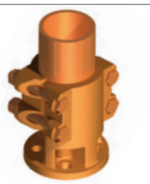
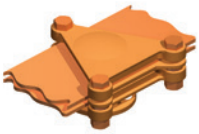
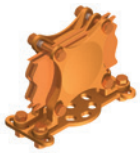
*Bronze End Caps*

Type CI, CI-E, CX . . . 175

*Bronze Terminals, Taps*

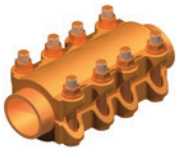
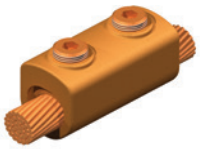
Type CFT . . . 176
Type CFTV-S . . . 177
Type D . . . 178
Type D2 . . . 179
Type HHL, HHL-A . . . 180
Type HL, HLA-45, HLA-90 . . . 182
Type HL, H2L, H3L, H4L . . . 184
Type HLB, H2LB . . . 186
Type HLS, HLSC . . . 188
Type PFTS . . . 189
Type Q2LB . . . 191
Type QLB, QLLB . . . 192
Type SCB-90H, SCB-90V . . . 194
Type SCB-F . . . 195
Type T2CVH, T2CVHA-45, T2CVHA-90 . . . 199
Type TCVH, TCVHA-30, TCVHA-45, TCVHA-90 . . . 201
Type TCX . . . 203
Type TP, TPA-30, TPA-45, TPA-60, TPA-90 . . . 204
Type TPC . . . 206
Type UL-90H . . . 207
Type UL-90V . . . 208
Type UL, U2L . . . 209
Type ULB, U2LB . . . 211
Type ULI, UULI . . . 213

# Pictorial Index

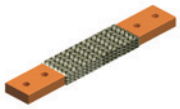
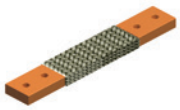
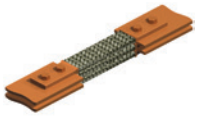
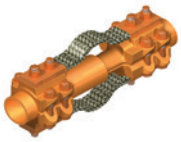
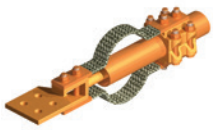
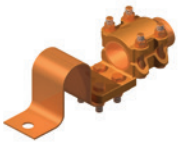

| Bronze Bus Supports | |
|---|---|
|  | AD SERIES<br>PG. 31 |
|  | CAP SERIES<br>PG. 33 |
|  | CBP SERIES<br>PG. 34 |
|  | CS SERIES<br>PG. 35 |
|  | CVSP SERIES<br>PG. 36 |
|  | HSSB SERIES<br>PG. 37 |
|  | PA SERIES<br>PG. 38 |
|  | PB SERIES<br>PG. 39 |
|  | PL SERIES<br>PG. 40 |
|  | PLC SERIES<br>PG. 41 |
|  | PSC SERIES<br>PG. 42 |
|  | PSD SERIES<br>PG. 43 |
|  | PSD-U SERIES<br>PG. 43 |
|  | PSRE SERIES<br>PG. 44 |
|  | PSS SERIES<br>PG. 45 |
|  | PSSR SERIES<br>PG. 46 |
|  | PSV SERIES<br>PG. 47 |
|  | SBC SERIES<br>PG. 48 |
|  | SBS SERIES<br>PG. 49 |
|  | SAH SERIES<br>PG. 50 |
|  | SHH SERIES<br>PG. 50 |
|  | SAV SERIES<br>PG. 51 |
|  | SHV SERIES<br>PG. 51 |
|  | SAVS SERIES<br>PG. 52 |
|  | SHVS SERIES<br>PG. 52 |
|  | SSHH SERIES<br>PG. 53 |
|  | XBC SERIES<br>PG. 54 |


© 2011, AFL, all rights reserved. PP-3-00136, Revision 14, 5.12.2026
Specifications are subject to change without notice.

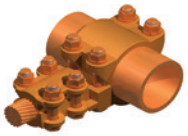
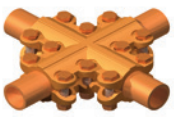
## Bronze Couplers

| | |
|---|---|
|  | CCV-S SERIES |
| | PG. 55 |
|  | CP SERIES |
| | PG. 56 |
|  | HC SERIES |
| | PG. 57 |
|  | RP SERIES |
| | PG. 58 |
|  | RPCV-S SERIES |
| | PG. 60 |
|  | UK SERIES |
| | PG. 61 |
|  | UKR SERIES |
| | PG. 62 |
|  | UP2K SERIES |
| | PG. 63 |
|  | UPK SERIES |
| | PG. 65 |

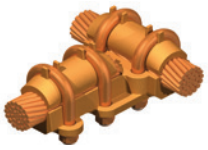
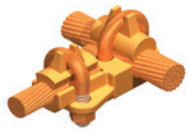
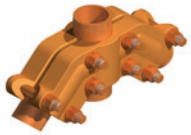
## Bronze Braided or Laminated Expansion

| | |
|---|---|
|  | CF-N SERIES |
| | PG. 66 |
|  | CF SERIES |
| | PG. 69 |
|  | CFC SERIES |
| | PG. 71 |
|  | LX SERIES |
| | PG. 72 |
|  | XC SERIES |
| | PG. 73 |
|  | XL SERIES |
| | PG. 75 |
|  | XTP SERIES |
| | PG. 76 |
|  | XTS SERIES |
| | PG. 78 |
|  | XTSS SERIES |
| | PG. 80 |

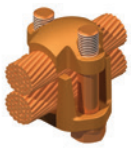
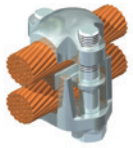
## Bronze Elbows, Tee and Vee Connectors

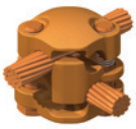
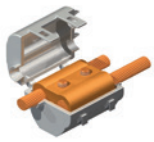
| | |
|---|---|
|  | BCV-S SERIES |
| | PG. 81 |
|  | BP SERIES |
| | PG. 82 |
|  | BPCV-S SERIES |
| | PG. 84 |
|  | BPE SERIES |
| | PG. 86 |
|  | EP SERIES |
| | PG. 88 |
|  | PSK SERIES |
| | PG. 89 |
|  | PX SERIES |
| | PG. 90 |
|  | U2T SERIES |
| | PG. 91 |
|  | UP2T SERIES |
| | PG. 93 |
|  | UPT SERIES |
| | PG. 95 |

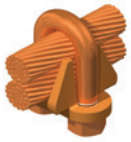
© 2011, AFL, all rights reserved. PP-3-00136, Revision 14, 5.12.2026
Specifications are subject to change without notice.

| | |
|---|---|
|  | UT SERIES |
| | PG. 97 |
|  | UTS SERIES |
| | PG. 99 |
|  | VB SERIES |
| | PG. 100 |
|  | VBPS SERIES |
| | PG. 101 |

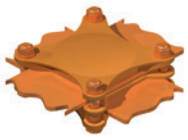
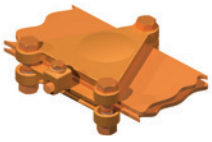
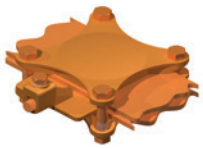
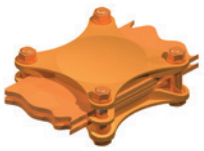
## Bronze Parallel, Cross, and Bar Taps

| | |
|---|---|
|  | DGF SERIES |
| | PG. 102 |
|  | DGM SERIES |
| | PG. 103 |
|  | DSU SERIES |
| | PG. 104 |
|  | DSUN SERIES |
| | PG. 105 |
|  | ES SERIES |
| | PG. 106 |

| | |
|---|---|
|  | GPEX SERIES |
| | PG. 107 |
|  | GTV SERIES |
| | PG. 108 |
|  | GTX SERIES |
| | PG. 110 |
|  | PC SERIES |
| | PG. 111 |
|  | Q2L SERIES |
| | PG. 114 |
|  | QL SERIES |
| | PG. 115 |
|  | TL SERIES |
| | PG. 116 |
|  | TRV SERIES |
| | PG. 117 |
|  | UD SERIES |
| | PG. 118 |
|  | UDV SERIES |
| | PG. 119 |

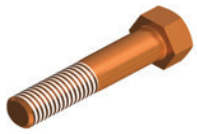
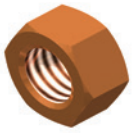
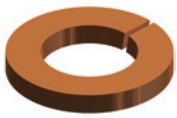
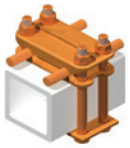
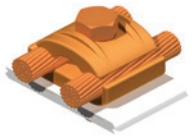
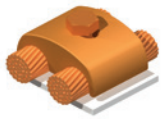
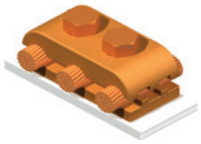
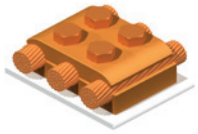
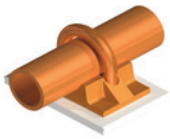
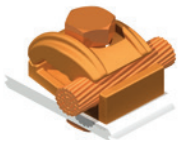
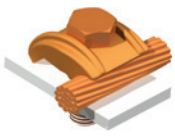
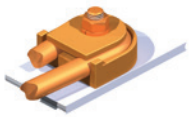
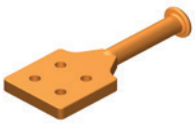
| | |
|---|---|
|  | UM SERIES |
| | PG. 120 |
|  | UP SERIES |
| | PG. 121 |
|  | WC SERIES |
| | PG. 122 |

## Bronze Connectors for Flat Bar

| | |
|---|---|
|  | BS SERIES |
| | PG. 123 |
|  | DH SERIES |
| | PG. 124 |
|  | HAF SERIES |
| | PG. 125 |
|  | HHF SERIES |
| | PG. 127 |
|  | HSS SERIES |
| | PG. 129 |

© 2011, AFL, all rights reserved. PP-3-00136, Revision 14, 5.12.2026
Specifications are subject to change without notice.

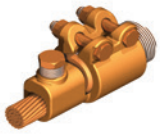
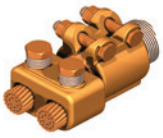
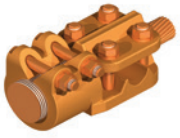
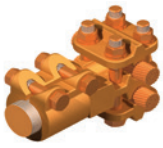
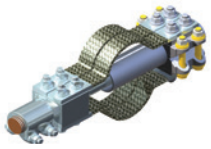
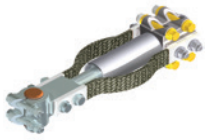
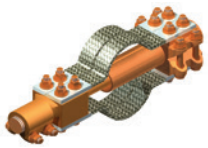
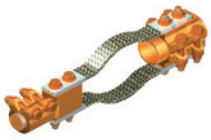
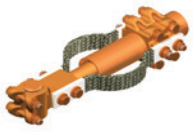
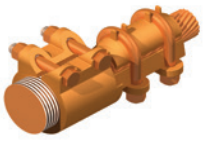
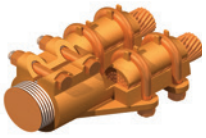
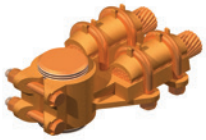
## Bronze Grounding Connectors And Everdur Hardware


| | |
|---|---|
|  | EB SERIES<br>PG. 130 |
|  | EN SERIES<br>PG. 131 |
|  | ELW SERIES<br>PG. 131 |
|  | EILW SERIES<br>PG. 131 |
|  | EW SERIES<br>PG. 131 |
|  | G110 SERIES<br>PG. 132 |
|  | G111 SERIES<br>PG. 132 |
|  | G114 SERIES<br>PG. 132 |
|  | G115 SERIES<br>PG. 132 |
|  | GA SERIES<br>PG. 133 |
|  | GAM SERIES<br>PG. 134 |
|  | GB SERIES<br>PG. 135 |
|  | GBB SERIES<br>PG. 135 |
|  | GCF SERIES<br>PG. 136 |
|  | GCG SERIES<br>PG. 136 |
|  | GD SERIES<br>PG. 137 |
|  | GF SERIES<br>PG. 138 |
|  | GFM SERIES<br>PG. 138 |
|  | GG SERIES<br>PG. 139 |
|  | GH SERIES<br>PG. 140 |
|  | GK SERIES<br>PG. 141 |
|  | GL SERIES<br>PG. 143 |
|  | GPC SERIES<br>PG. 144 |
|  | GPF SERIES<br>PG. 146 |
|  | GPH-N SERIES<br>PG. 147 |
|  | GPH SERIES<br>PG. 148 |
|  | GR SERIES<br>PG. 149 |
|  | GS SERIES<br>PG. 150 |
|  | GW SERIES<br>PG. 151 |

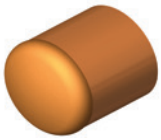
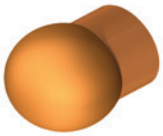
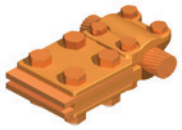
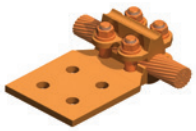
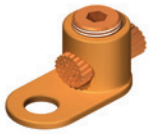

© 2011, AFL, all rights reserved. PP-3-00136, Revision 14, 5.12.2026
Specifications are subject to change without notice.

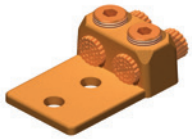
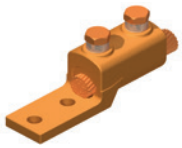
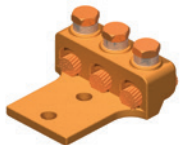
| | |
|---|---|
|  | GX SERIES<br>PG. 153 |
|  | GZ SERIES<br>PG. 154 |
|  | MTRC SERIES<br>PG. 156 |
|  | MTR2C SERIES<br>PG. 156 |
|  | MTR3C SERIES<br>PG. 156 |
|  | Q2TE SERIES<br>PG. 157 |
|  | Q3TE SERIES<br>PG. 157 |
|  | Q4TE SERIES<br>PG. 157 |
|  | Q2TS SERIES<br>PG. 159 |
|  | Q3TS SERIES<br>PG. 159 |
|  | Q4TS SERIES<br>PG. 159 |
|  | TGC SERIES<br>PG. 161 |

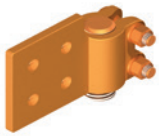
**Bronze Stud Connectors**

| | |
|---|---|
|  | HSC SERIES<br>PG. 162 |
|  | HS2C SERIES<br>PG. 162 |
|  | HS3C SERIES<br>PG. 162 |
|  | HSC-90 SERIES<br>PG. 164 |
|  | SCX SERIES<br>PG. 165 |
|  | S2CX SERIES<br>PG. 165 |
|  | SP SERIES<br>PG. 167 |
|  | SP-90 SERIES<br>PG. 167 |
|  | SX-A SERIES<br>PG. 168 |
|  | SX-A-90 SERIES<br>PG. 168 |
|  | SX SERIES<br>PG. 169 |
|  | SXP SERIES<br>PG. 169 |
|  | SX-90 SERIES<br>PG. 169 |
|  | US SERIES<br>PG. 171 |
|  | U2S SERIES<br>PG. 171 |
|  | US-90 SERIES<br>PG. 171 |
|  | U2S-90 SERIES<br>PG. 171 |

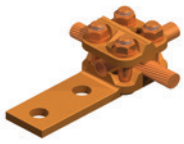
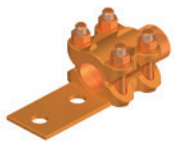
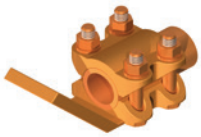
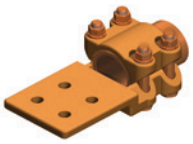
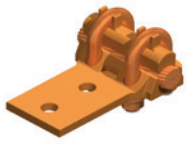
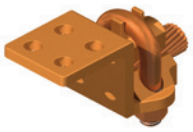

© 2011, AFL, all rights reserved. PP-3-00136, Revision 14, 5.12.2026
Specifications are subject to change without notice.

| Bronze Spacers | |
|---|---|
|  | CASV SERIES |
| | PG. 173 |
| **Bronze Dead End Clamps** | |
|  | UD2E SERIES |
| | PG. 174 |
|  | UD2E-PG SERIES |
| | PG. 174 |
| **Bronze End Caps** | |
|  | CI SERIES |
| | PG. 175 |
|  | CX SERIES |
| | PG. 175 |
| **Bronze Terminals, Taps** | |
|  | CFT SERIES |
| | PG. 176 |
|  | CFTV-S SERIES |
| | PG. 177 |
|  | D SERIES |
| | PG. 178 |

| | |
|---|---|
|  | D2 SERIES |
| | PG. 179 |
|  | HHL SERIES |
| | PG. 180 |
|  | HL SERIES |
| | PG. 182 |
|  | HLA-45 SERIES |
| | PG. 182 |
|  | HLA-90 SERIES |
| | PG. 182 |
|  | H2L SERIES |
| | PG. 184 |
|  | H3L SERIES |
| | PG. 184 |
|  | H4L SERIES |
| | PG. 184 |
|  | HLB SERIES |
| | PG. 186 |
|  | H2LB SERIES |
| | PG. 186 |

| | |
|---|---|
|  | HLS SERIES |
| | PG. 188 |
|  | HLSC SERIES |
| | PG. 188 |
|  | PFTS SERIES |
| | PG. 189 |
|  | Q2LB SERIES |
| | PG. 191 |
|  | QLB SERIES |
| | PG. 192 |
|  | QLLB SERIES |
| | PG. 192 |
|  | SCB-90H SERIES |
| | PG. 194 |
|  | SCB-90V SERIES |
| | PG. 194 |
|  | SCB-F SERIES |
| | PG. 195 |
|  | T2CVH SERIES |
| | PG. 199 |

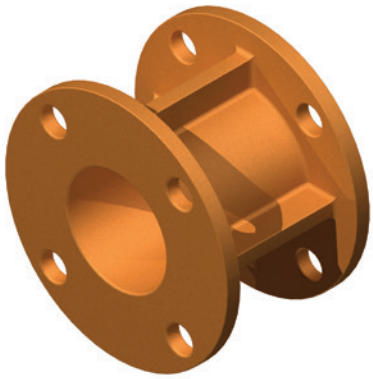
© 2011, AFL, all rights reserved. PP-3-00136, Revision 14, 5.12.2026
Specifications are subject to change without notice.

| | |
|---|---|
|  | T2CVHA-45 SERIES<br>PG. 199 |
|  | T2CVHA-90 SERIES<br>PG. 199 |
|  | TCVH SERIES<br>PG. 201 |
|  | TCVHA-30 SERIES<br>PG. 201 |
|  | TCVHA-45 SERIES<br>PG. 201 |
|  | TCVHA-90 SERIES<br>PG. 201 |
|  | TCX SERIES<br>PG. 203 |
|  | TP SERIES<br>PG. 204 |
|  | TPA-30 SERIES<br>PG. 204 |
|  | TPA-45 SERIES<br>PG. 204 |
|  | TPA-60 SERIES<br>PG. 204 |
|  | TPA-90 SERIES<br>PG. 204 |
|  | TPC SERIES<br>PG. 206 |
|  | UL-90H SERIES<br>PG. 207 |
|  | UL-90V SERIES<br>PG. 208 |
|  | UL SERIES<br>PG. 209 |
|  | U2L SERIES<br>PG. 209 |
|  | ULB SERIES<br>PG. 211 |
|  | U2LB SERIES<br>PG. 211 |
|  | ULI SERIES<br>PG. 213 |
|  | UULI SERIES<br>PG. 213 |

© 2011, AFL, all rights reserved. PP-3-00136, Revision 14, 5.12.2026
Specifications are subject to change without notice.

© 2011, AFL, all rights reserved. PP-3-00136, Revision 14, 5.12.2026
Specifications are subject to change without notice.

# DOSSERT®
## TYPE AD



A high strength cast bronze insulator adapter for adjusting bus center line heights from insulators. Adapters for heights and bolt circle mountings other than those listed can be readily supplied.

### Material
Copper Alloy

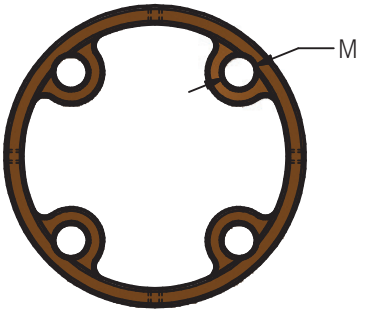



FIG. 1

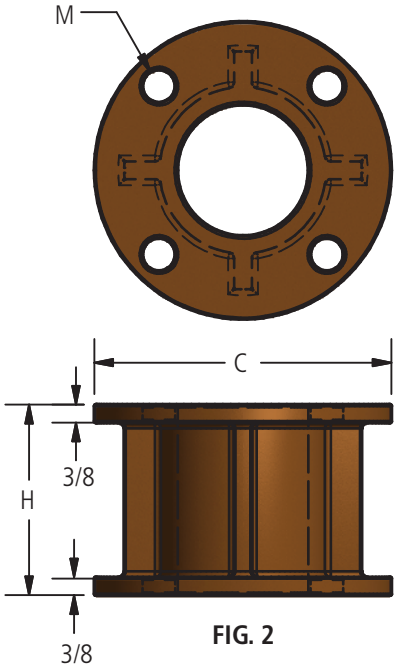
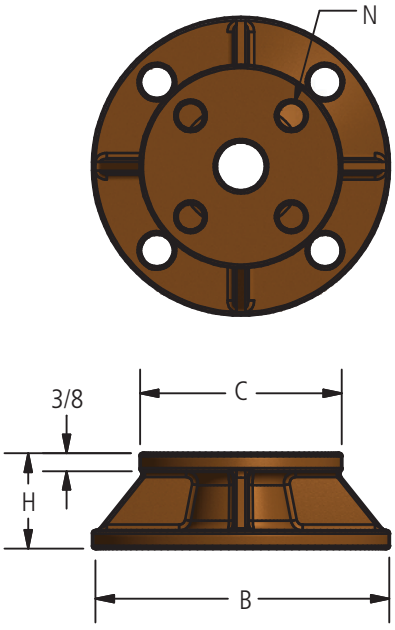



FIG. 2



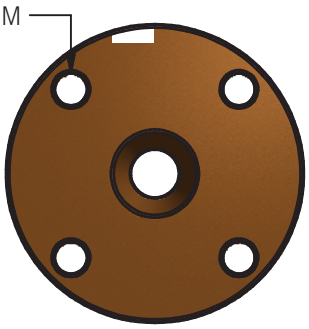




FIG. 3



© 2011, AFL, all rights reserved. PP-3-00208, Revision 0, 2.21.11
Specifications are subject to change without notice.

# DOSSERT®
## TYPE AD

### Ordering Information

| CATALOG NUMBER | FIGURE NUMBER | BOLT CIRCLE (B) | BOLT CIRCLE (C) | DIMENSIONS IN INCHES | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | B | C | H | M | N |
| AD3-1/2-3 | 1 | - | 3 | - | 4 1/4 | 1/2 | 9/16 | - |
| AD3-3/4-3 | 1 | - | 3 | - | 4 1/4 | 3/4 | 9/16 | - |
| AD3-1-3 | 1 | - | 3 | - | 4 1/4 | 1 | 9/16 | - |
| AD3-1-1/4-3 | 1 | - | 3 | - | 4 1/4 | 1 1/4 | 9/16 | - |
| AD3-1-1/2-3 | 1 | - | 3 | - | 4 1/4 | 1 1/2 | 9/16 | - |
| AD3-1-3/4-3 | 1 | - | 3 | - | 4 1/4 | 1 3/4 | 9/16 | - |
| AD5-1/2-5 | 1 | - | 5 | - | 6 1/4 | 1/2 | 11/16 | - |
| AD5-3/4-5 | 1 | - | 5 | - | 6 1/4 | 3/4 | 11/16 | - |
| AD5-1-5 | 1 | - | 5 | - | 6 1/4 | 1 | 11/16 | - |
| AD5-1-1/4-5 | 1 | - | 5 | - | 6 1/4 | 1 1/4 | 11/16 | - |
| AD5-1-1/2-5 | 1 | - | 5 | - | 6 1/4 | 1 1/2 | 11/16 | - |
| AD5-1-3/4-5 | 1 | - | 5 | - | 6 1/4 | 1 3/4 | 11/16 | - |
| AD3-2-3 | 2 | - | 3 | - | 4 1/4 | 2 | 9/16 | - |
| AD3-2-1/2-3 | 2 | - | 3 | - | 4 1/4 | 2 1/2 | 9/16 | - |
| AD3-3-3 | 2 | - | 3 | - | 4 1/4 | 3 | 9/16 | - |
| AD3-3-1/2-3 | 2 | - | 3 | - | 4 1/4 | 3 1/2 | 9/16 | - |
| AD3-4-3 | 2 | - | 3 | - | 4 1/4 | 4 | 9/16 | - |
| AD3-5-3 | 2 | - | 3 | - | 4 1/4 | 5 | 9/16 | - |
| AD3-6-3 | 2 | - | 3 | - | 4 1/4 | 6 | 9/16 | - |
| AD3-2-5 | 3 | 3 | 5 | 6 1/4 | 4 1/4 | 2 | 11/16 | 9/16 |
| AD3-2-1/2-5 | 3 | 3 | 5 | 6 1/4 | 4 1/4 | 2 1/2 | 11/16 | 9/16 |
| AD3-3-5 | 3 | 3 | 5 | 6 1/4 | 4 1/4 | 3 | 11/16 | 9/16 |
| AD3-3-1/2-5 | 3 | 3 | 5 | 6 1/4 | 4 1/4 | 3 1/2 | 11/16 | 9/16 |
| AD3-4-5 | 3 | 3 | 5 | 6 1/4 | 4 1/2 | 4 | 11/16 | 9/16 |
| AD3-5-5 | 3 | 3 | 5 | 6 1/4 | 4 1/4 | 5 | 11/16 | 9/16 |
| AD3-6-5 | 3 | 3 | 5 | 6 1/4 | 4 1/4 | 6 | 11/16 | 9/16 |
| AD5-2-5 | 2 | - | 5 | - | 6 1/4 | 2 | 11/16 | - |
| AD5-2-1/2-5 | 2 | - | 5 | - | 6 1/4 | 2 1/2 | 11/16 | - |
| AD5-3-5 | 2 | - | 5 | - | 6 1/4 | 3 | 11/16 | - |
| AD5-3-1/2-5 | 2 | - | 5 | - | 6 1/4 | 3 1/2 | 11/16 | - |
| AD5-4-5 | 2 | - | 5 | - | 6 1/4 | 4 | 11/16 | - |
| AD5-5-5 | 2 | - | 5 | - | 6 1/4 | 5 | 11/16 | - |
| AD5-6-5 | 2 | - | 5 | - | 6 1/4 | 6 | 11/16 | - |

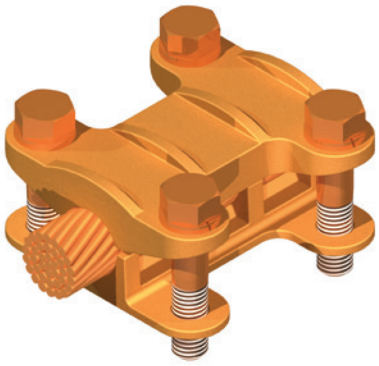


© 2011, AFL, all rights reserved. PP-3-00208, Revision 0, 2.21.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE CAP

### Bus Support for Tubular Bus To Insulator Cap

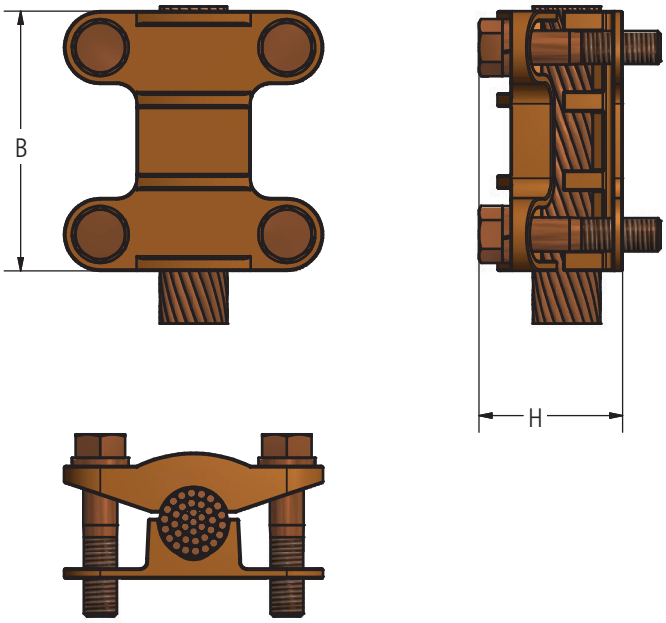


A two piece high strength bronze cable support which mounts conductor to cap of insulator. Furnished with cap screws for threading into tapped holes on insulator. For base mounting, if specified, bolts and nuts will be furnished. When ordering specify conductor size to be employed so that correct length of bolt can be supplied.

### Material
Copper Alloy

### Hardware
Everdur bolts and lockwashers

### Notes
- For Electro Tin Plate, add "-SN" to catalog number. EX: CAP21-3-SN




## Ordering Information

| CATALOG NUMBER | CABLE RANGE | | BOLT CIRCLE | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|---|---|
| | MIN | MAX | | B | H | BOLT SIZE |
| CAP21-3 | 2 Stranded | 4/0 Stranded | 3 | 3 1/4 | 1 9/16 | 1/2 |
| CAP21-5 | 2 Stranded | 4/0 Stranded | 5 | 4 15/16 | 1 13/16 | 5/8 |
| CAP50-3 | 2/0 Stranded | 500 kcmil | 3 | 3 1/4 | 1 13/16 | 1/2 |
| CAP50-5 | 2/0 Stranded | 500 kcmil | 5 | 4 15/16 | 2 1/16 | 5/8 |
| CAP125-3 | 550 kcmil | 1250 kcmil | 3 | 3 1/4 | 2 3/16 | 1/2 |
| CAP125-5 | 550 kcmil | 1250 kcmil | 5 | 4 15/16 | 2 3/4 | 5/8 |

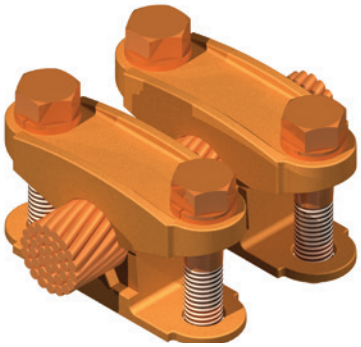


© 2011, AFL, all rights reserved. PP-3-00267, Revision 1, 10.8.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE CBP

### Two Unit Bus Support For Cable



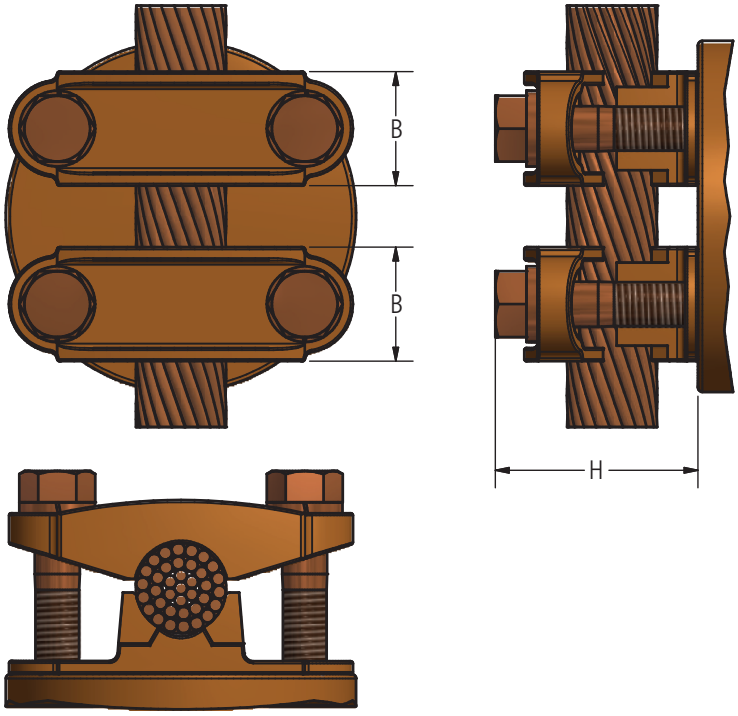
A two unit four piece high strength bronze cable support which mounts conductor to cap of insulator. A single unit for light service can be supplied on request. Clamp is furnished with cap screws for threading into tapped holes of insulator. Specify conductor size when ordering in order that correct length of cap screw or bolt can be supplied.

### Material

Copper Alloy

### Hardware

Everdur bolts and lockwashers




## Ordering Information

| CATALOG NUMBER | CABLE RANGE | | DIMENSIONS IN INCHES | | | |
|---|---|---|---|---|---|---|
| | MIN | MAX | BOLT CIRCLE | B | H | BOLT SIZE |
| CBP21-3 | 2 Stranded | 4/0 Stranded | 3 | 1 1/8 | 1 9/16 | 1/2 |
| CBP21-5 | 2 Stranded | 4/0 Stranded | 5 | 1 3/8 | 1 13/16 | 5/8 |
| CBP50-3 | 2/0 Stranded | 500 kcmil | 3 | 1 1/8 | 1 13/16 | 1/2 |
| CBP50-5 | 2/0 Stranded | 500 kcmil | 5 | 1 3/8 | 2 1/16 | 5/8 |
| CBP125-3 | 550 kcmil | 1250 kcmil | 3 | 1 3/8 | 2 3/16 | 1/2 |
| CBP125-5 | 550 kcmil | 1250 kcmil | 5 | 1 5/8 | 2 3/4 | 5/8 |

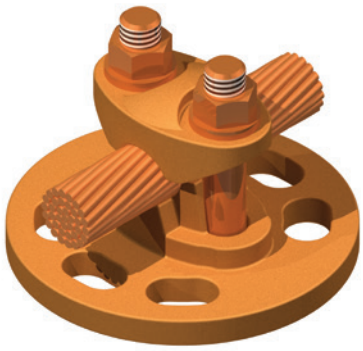


© 2011, AFL, all rights reserved. PP-3-00273, Revision 0, 2.21.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE CS

### Bus Support Clamp For Cable Conductor



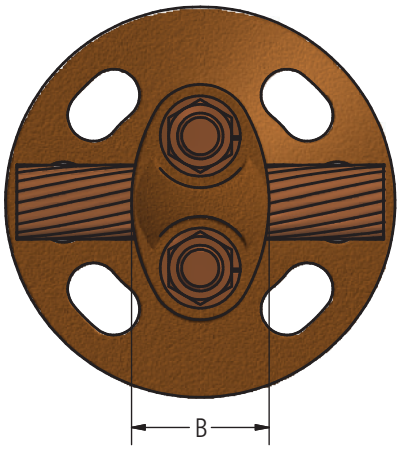
A high strength bronze bus support clamp for cable conductor. For securing to insulator, bolts and nuts are furnished for pin and slotted cap mountings, and cap screws for cap mountings. When ordering specify type of mountings to be used and also cable size to determine clamping bolt length.

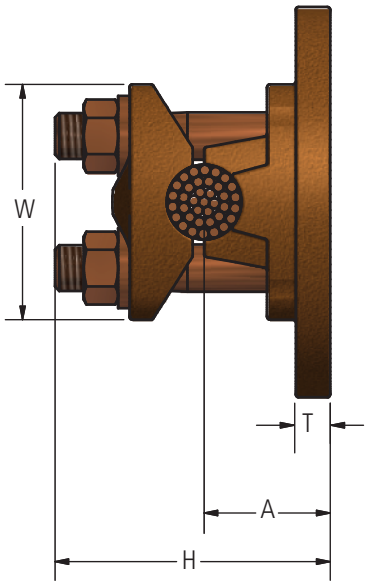
### Material

Copper Alloy

### Hardware

Everdur bolts, nuts and lockwashers
Mounting hardware galvanized steel




## Ordering Information

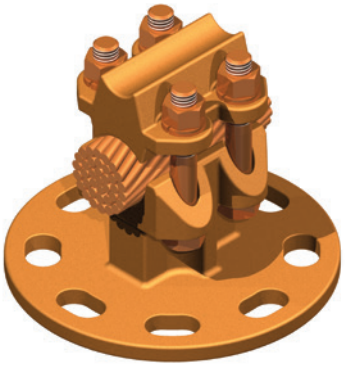
| CATALOG NUMBER | CONDUCTOR RANGE | | | | BOLT CIRCLE | DIMENSIONS IN INCHES | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | CABLE | | SPS | | | A | B | H | W | T | BOLT SIZE |
| | MIN | MAX | MIN | MAX | | | | | | | |
| CS21-3 | 6 Solid | 4/0 Stranded | – | – | 3 | 1 1/4 | 1 1/2 | 2 9/16 | 1 15/16 | 7/32 | 3/8 |
| CS21-5 | 6 Solid | 4/0 Stranded | – | – | 5 | 1 1/4 | 1 1/2 | 2 9/16 | 1 15/16 | 7/32 | 3/8 |
| CS50-3 | 2/0 Stranded | 500 kcmil | 1/4 | 1/2 | 3 | 1 3/8 | 1 1/2 | 2 5/8 | 2 3/16 | 3/8 | 3/8 |
| CS50-5 | 2/0 Stranded | 500 kcmil | 1/4 | 1/2 | 5 | 1 3/8 | 1 1/2 | 2 5/8 | 2 3/16 | 3/8 | 3/8 |
| CS125-3 | 550 kcmil | 1250 kcmil | 1/2 | 1 | 3 | 1 9/16 | 1 3/4 | 3 1/4 | 3 1/4 | 3/8 | 1/2 |
| CS125-5 | 550 kcmil | 1250 kcmil | 1/2 | 1 | 5 | 1 9/16 | 1 3/4 | 3 1/4 | 3 1/4 | 3/8 | 1/2 |
| CS200-3 | 1300 kcmil | 2000 kcmil | 1 | 1 1/4 | 3 | 1 7/8 | 1 3/4 | 3 7/16 | 3 1/2 | 3/8 | 1/2 |
| CS200-5 | 1300 kcmil | 2000 kcmil | 1 | 1 1/4 | 5 | 1 7/8 | 1 3/4 | 3 7/16 | 3 1/2 | 3/8 | 1/2 |



© 2011, AFL, all rights reserved. PP-3-00291, Revision 1, 1.10.2023
Specifications are subject to change without notice.

# DOSSERT®

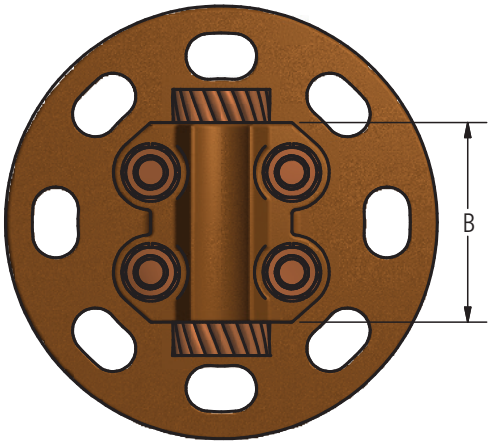
## TYPE CVSP
**Cable Bus Support**

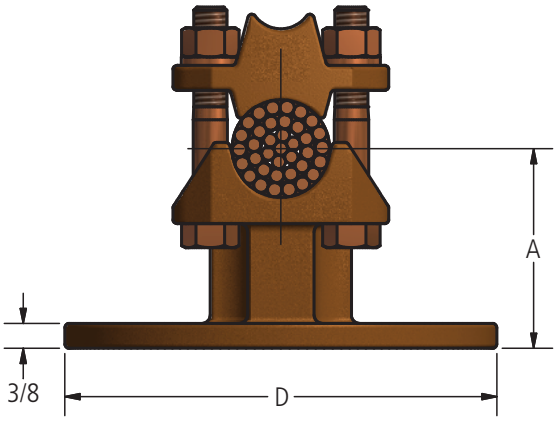


### Material
Copper Alloy

### Hardware
Everdur bolts, nuts and lockwashers
Mounting hardware galvanized steel

### Note
For less mounting hardware add suffix 'LMH' to catalog number.
Ex: CVSP143A-5-LMH




## Ordering Information

| CATALOG NUMBER | CABLE RANGE | | | | SPS RANGE | | DIMENSIONS IN INCHES | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | SMALL GROOVE | | LARGE GROOVE | | | | | | | |
| | MIN | MAX | MIN | MAX | SMALL GROOVE | LARGE GROOVE | BOLT CIRCLE | A | B | D |
| CVSP143-3 | 3/0 STR | 700 MCM | 715.5 MCM | 1431 STR | 1/4 | 1 | 3 | 3 1/4 | 3 | 4 1/4 |
| CVSP143-5 | 3/0 STR | 700 MCM | 715.5 MCM | 1431 STR | 1/4 | 1 | 5 | 3 | 3 | 6 1/4 |

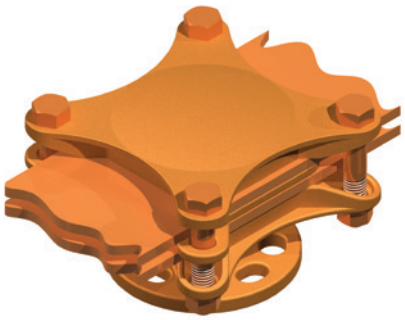


© 2011, AFL, all rights reserved. PP-3-00298, Revision 1, 8.25.17
Specifications are subject to change without notice.

# DOSSERT®

## TYPE HSSB, HSSC

### Pedestal Bus Support For Multiple Flat Bar



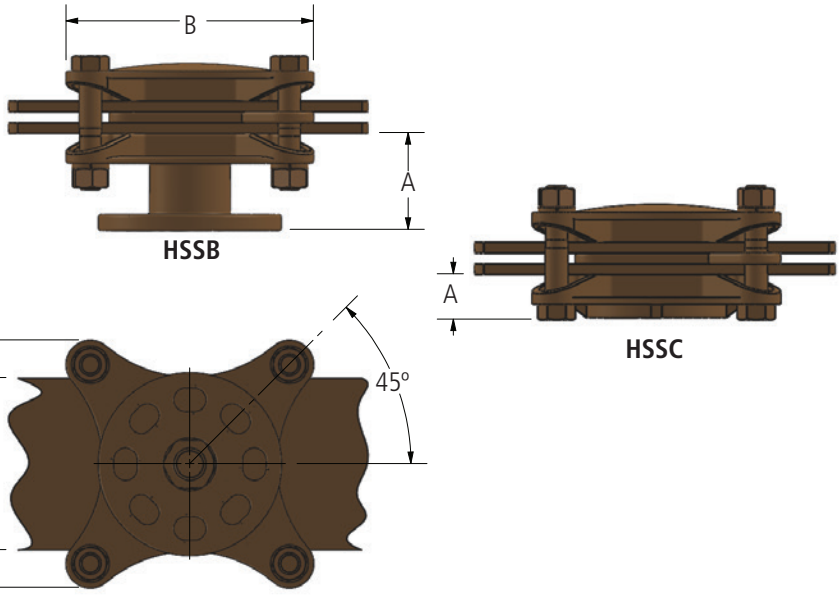
Type HSSB provides for bolt circle mounting on a 3 inch or 5 inch bolt circle. Type HSSC is a center mounting clamp for horizontal supporting of flat bus. Cap screws are furnished for cap mounting and bolts and nuts are furnished for base mounting. Unless otherwise specified clamps are supplied for cap mounting.

### Material

Copper Alloy

### Hardware

Everdur bolts, nuts and lockwashers
Mounting hardware galvanized steel




## Ordering Information

| CATALOG NUMBER | | BOLT CIRCLE | DIMENSIONS IN INCHES | | | | | |
|---|---|---|---|---|---|---|---|---|
| HSSB | HSSC | | A | | | | CENTER BOLT | BOLT SIZE |
| | | | HSSB | HSSC | B | W | | |
| HSSB2-3 | HSSC2-3 | 3 | 2 1/4 | 1 | 3 5/16 | 2 | 3/4 | 3/8 |
| HSSB2-5 | HSSC2-5 | 5 | 2 | 1 | 3 5/16 | 2 | 3/4 | 3/8 |
| HSSB3-3 | HSSC3-3 | 3 | 2 1/4 | 1 | 4 5/16 | 3 | 3/4 | 3/8 |
| HSSB3-5 | HSSC3-5 | 5 | 2 | 1 | 4 5/16 | 3 | 3/4 | 3/8 |
| HSSB4-3 | HSSC4-3 | 3 | 2 1/4 | 1 | 5 3/4 | 4 | 3/4 | 1/2 |
| HSSB4-5 | HSSC4-5 | 5 | 2 | 1 | 5 3/4 | 4 | 3/4 | 1/2 |
| HSSB5-3 | HSSC5-3 | 3 | 2 1/4 | 1 | 7 1/8 | 5 | 3/4 | 5/8 |
| HSSB5-5 | HSSC5-5 | 5 | 2 | 1 | 7 1/8 | 5 | 3/4 | 5/8 |
| HSSB6-3 | HSSC6-3 | 3 | 2 1/4 | 1 | 8 1/8 | 6 | 3/4 | 5/8 |
| HSSB6-5 | HSSC6-5 | 5 | 2 | 1 | 8 1/8 | 6 | 3/4 | 5/8 |



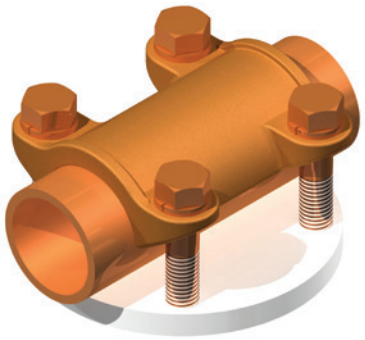
© 2011, AFL, all rights reserved. PP-3-00379, Revision 1, 8.6.13
Specifications are subject to change without notice.

# DOSSERT®

## TYPE PA, PAP

### Bus Support For Circle Mount Insulators

A single cap four bolt bus support for mounting on insulator bolt circle positions. Type PA clamps bus directly to insulator while type PAP is provided with an under saddle conforming to bus diameter for higher clamping pressure. Both types can be furnished with cap screws for cap mounting or bolts and nuts for base mounting. Unless otherwise specificed supports are furnished for cap and mounting as illustrated.



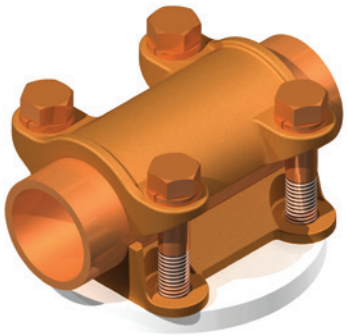
PA

**Material**

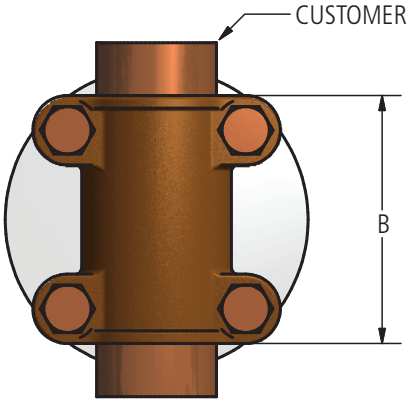
Copper Alloy

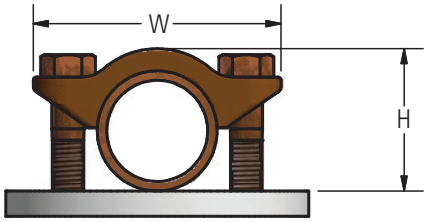
**Hardware**

Everdur bolts, lockwashers

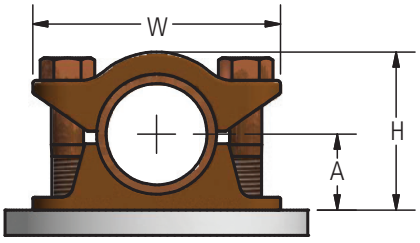


PAP




PA




PAP

## Ordering Information

| CATALOG NUMBER | | SPS | BOLT CIRCLE | DIMENSIONS IN INCHES | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | H | | W | |
| PA | PAP | | | | | PA | PAP | | |
| PA50-3 | PAP50-3 | 1/2 | 3 | 3/4 | 3 1/4 | 1 3/8 | 1 11/16 | 3 1/4 | 1/2 |
| PA50-5 | PAP50-5 | 1/2 | 5 | 3/4 | 4 15/16 | 1 1/2 | 1 13/16 | 4 15/16 | 5/8 |
| PA75-3 | PAP75-3 | 3/4 | 3 | 7/8 | 3 1/4 | 1 9/16 | 1 15/16 | 3 1/4 | 1/2 |
| PA75-5 | PAP75-5 | 3/4 | 5 | 7/8 | 4 15/16 | 1 11/16 | 2 1/16 | 4 15/16 | 5/8 |
| PA100-3 | PAP100-3 | 1 | 3 | 1 | 3 1/4 | 1 3/4 | 2 1/8 | 3 1/4 | 1/2 |
| PA100-5 | PAP100-5 | 1 | 5 | 1 | 4 15/16 | 2 | 2 5/16 | 4 15/16 | 5/8 |
| PA125-3 | PAP125-3 | 1 1/4 | 3 | 1 1/8 | 3 1/4 | 2 1/8 | 2 7/15 | 3 1/4 | 1/2 |
| PA125-5 | PAP125-5 | 1 1/4 | 5 | 1 1/8 | 4 15/16 | 2 3/8 | 2 11/16 | 4 15/16 | 5/8 |
| PA150-5 | PAP150-5 | 1 1/2 | 5 | 1 1/4 | 4 15/16 | 2 7/16 | 2 3/4 | 4 15/16 | 5/8 |
| PA200-5 | PAP200-5 | 2 | 5 | 1 1/2 | 4 15/16 | 2 3/4 | 3 1/16 | 4 15/16 | 5/8 |
| PA250-5 | PAP250-5 | 2 1/2 | 5 | 1 3/4 | 4 15/16 | 3 5/16 | 3 5/8 | 4 15/16 | 5/8 |



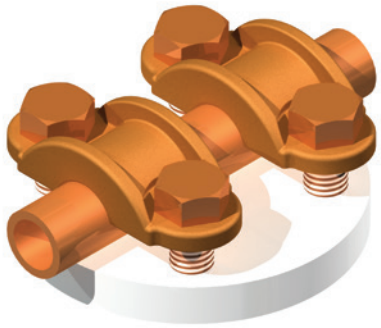
© 2011, AFL, all rights reserved. PP-3-00388, Revision 1, 8.6.13
Specifications are subject to change without notice.

# DOSSERT®

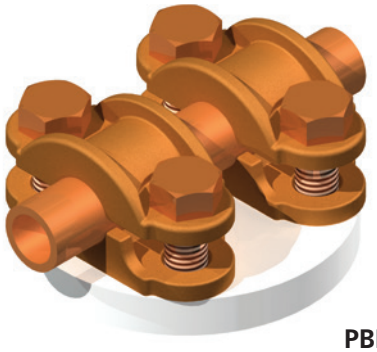
## TYPE PB, PBP

### Bus Support With Two Unit Cap

A two unit cap clamping bus support for mounting on insulator bolt circle positions. Type PB clamps bus directly to insulator while type PBP is provided with two independent matching bus saddles. Available for either cap or base mounting. Unless otherwise specified supports are furnished for cap mounting as illustrated.



PB



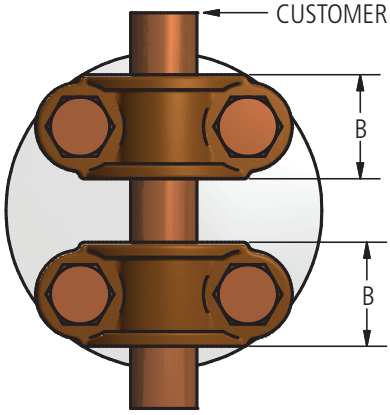
PBP

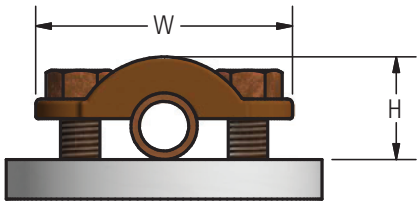
**Material**

Copper Alloy

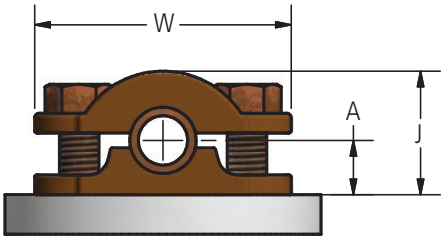
**Hardware**

Everdur bolts, lockwashers




PB




PBP

## Ordering Information

| CATALOG NUMBER | | SPS | BOLT CIRCLE | DIMENSIONS IN INCHES | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | H | J | W | BOLT SIZE |
| PB50-3 | PBP50-3 | 1/2 | 3 | 3/4 | 1 5/16 | 1 3/8 | 1 11/16 | 3 1/4 | 1/2 |
| PB50-5 | PBP50-5 | 1/2 | 5 | 3/4 | 1 3/8 | 1 1/2 | 1 13/16 | 4 15/16 | 5/8 |
| PB75-3 | PBP75-3 | 3/4 | 3 | 7/8 | 1 5/16 | 1 9/16 | 1 15/16 | 3 1/4 | 1/2 |
| PB75-5 | PBP75-5 | 3/4 | 5 | 7/8 | 1 3/8 | 1 11/16 | 2 1/16 | 4 15/16 | 5/8 |
| PB100-3 | PBP100-3 | 1 | 3 | 1 | 1 1/2 | 1 3/4 | 2 1/8 | 3 1/4 | 1/2 |
| PB100-5 | PBP100-5 | 1 | 5 | 1 | 1 5/8 | 2 | 2 5/16 | 4 15/16 | 5/8 |
| PB125-3 | PBP125-3 | 1 1/4 | 3 | 1 1/8 | 1 1/2 | 2 1/8 | 2 7/16 | 3 1/4 | 1/2 |
| PB125-5 | PBP125-5 | 1 1/4 | 5 | 1 1/8 | 1 5/8 | 2 3/8 | 2 11/16 | 4 15/16 | 5/8 |
| PB150-5 | PBP150-5 | 1 1/2 | 5 | 1 1/4 | 1 3/4 | 2 7/16 | 2 3/4 | 4 15/16 | 5/8 |
| PB200-5 | PBP200-5 | 2 | 5 | 1 1/2 | 1 3/4 | 2 3/4 | 3 1/16 | 4 15/16 | 5/8 |
| PB250-5 | PBP250-5 | 2 1/2 | 5 | 1 3/4 | 1 7/8 | 3 5/16 | 3 5/8 | 4 15/16 | 5/8 |



© 2011, AFL, all rights reserved. PP-3-00389, Revision 0, 2.21.11
Specifications are subject to change without notice.

DOSSERT®

# TYPE PL

## Pipe Bus Support Slide or Tight Fit



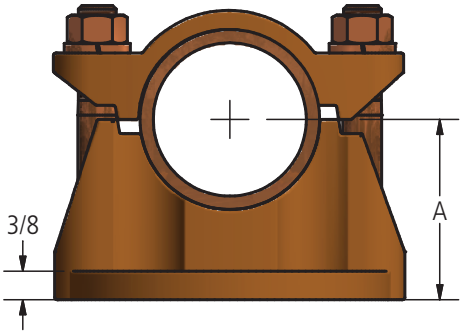
A two bolted clamp type high strength bronze bus support. This unit is non-magnetic and corrosion resistant. The design of this support permits a minimum radius of gyration about the support mounting thus minimizing cantilever stresses. Type PL is both a tight and slip fit action clamp with either action obtained by reversing cap.

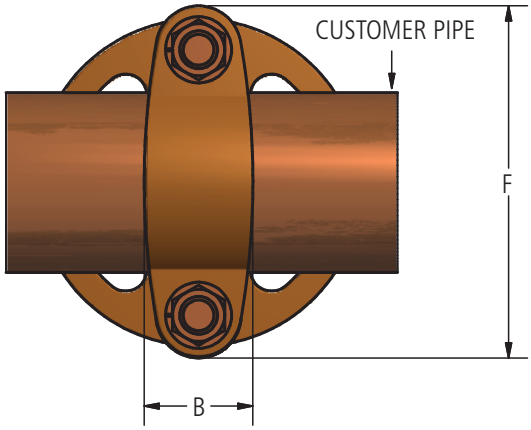
### Material

Copper Alloy

### Hardware

Everdur bolts, nuts and lockwashers
Mounting hardware galvanized steel




## Ordering Information

| CATALOG NUMBER | SPS | BOLT CIRCLE | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|---|---|
| | | | A | B | F | |
| PL75-3 | 3/4 | 3 | 1 3/8 | 1 1/2 | 4 1/4 | 1/2 |
| PL75-5 | 3/4 | 5 | 1 | 1 1/2 | 6 1/4 | 1/2 |
| PL100-3 | 1 | 3 | 1 5/8 | 1 1/2 | 4 1/4 | 1/2 |
| PL100-5 | 1 | 5 | 1 1/8 | 1 1/2 | 6 1/4 | 1/2 |
| PL125-3 | 1 1/4 | 3 | 1 3/4 | 1 11/16 | 4 1/4 | 1/2 |
| PL125-5 | 1 1/4 | 5 | 1 3/8 | 1 11/16 | 6 1/4 | 1/2 |
| PL150-3 | 1 1/2 | 3 | 2 | 1 11/16 | 4 1/4 | 1/2 |
| PL150-5 | 1 1/2 | 5 | 1 1/2 | 1 11/16 | 6 1/4 | 1/2 |
| PL200-3 | 2 | 3 | 2 3/8 | 1 11/16 | 4 1/4 | 1/2 |
| PL200-5 | 2 | 5 | 2 1/4 | 1 11/16 | 6 1/4 | 1/2 |
| PL250-3 | 2 1/2 | 3 | 2 5/8 | 1 3/4 | 4 1/4 | 1/2 |
| PL250-5 | 2 1/2 | 5 | 2 1/2 | 1 3/4 | 6 1/4 | 1/2 |
| PL300-3 | 3 | 3 | 2 7/8 | 1 13/16 | 5 3/4 | 5/8 |
| PL300-5 | 3 1/2 | 5 | 3 | 1 3/4 | 6 1/4 | 5/8 |

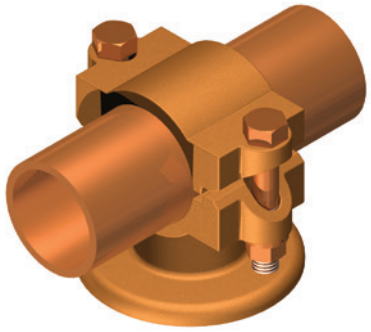


© 2011, AFL, all rights reserved. PP-3-00397, Revision 2, 5.8.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE PLC

### Bus Support For Tubular Bus To Insulator



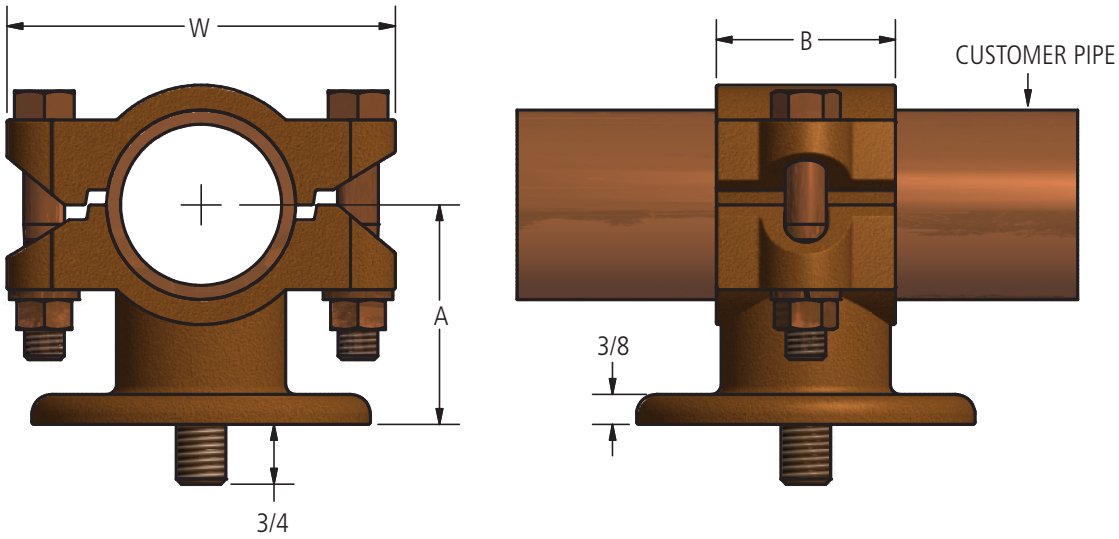
A bus support for mounting a tubular bus to a 3/4-10 NC 2 center tapped insulator. The center tap mounting permits any angular arrangement for bus positioning while a reversible cap allows for slip fit or tight clamping on bus. Other thread sizes for center mounting can be readily supplied.

### Material

Copper Alloy

### Hardware

Everdur bolts, nuts and lockwashers
Mounting hardware galvanized steel




## Ordering Information

| CATALOG NUMBER | SPS | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|---|
| | | A | B | W | |
| PLC50 | 1/2 | 1 3/4 | 1 3/4 | 2 3/8 | 3/8 |
| PLC75 | 3/4 | 2 | 1 1/2 | 2 9/16 | 3/8 |
| PLC100 | 1 | 2 | 1 1/2 | 2 7/8 | 3/8 |
| PLC125 | 1 1/4 | 2 1/4 | 2 | 3 1/2 | 1/2 |
| PLC150 | 1 1/2 | 2 1/2 | 2 | 3 13/16 | 1/2 |
| PLC200 | 2 | 2 3/4 | 2 1/4 | 4 1/4 | 1/2 |
| PLC250 | 2 1/2 | 3 1/8 | 2 1/4 | 4 3/4 | 1/2 |
| PLC300 | 3 | 3 5/8 | 2 1/2 | 5 7/8 | 5/8 |
| PLC350 | 3 1/2 | 4 | 2 1/2 | 6 3/8 | 5/8 |
| PLC400 | 4 | 4 1/2 | 2 1/2 | 6 7/8 | 5/8 |

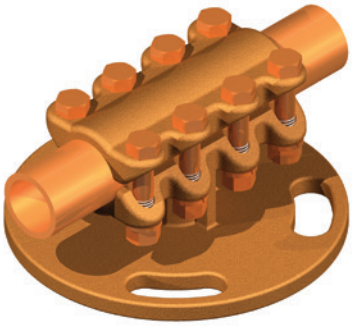


© 2011, AFL, all rights reserved. PP-3-00399, Revision 0, 2.21.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE PSC

### Bus Support For Two Tubular Busses



A bus support for joining and supporting two tubular buses on a post type insulator. Designed for a high resistance to impact or sustained cantilever and torsional stresses. Nuts and bolts are furnished for a base mounting or slotted cap mounting or cap screws for an insulator cap mounting.

### Material

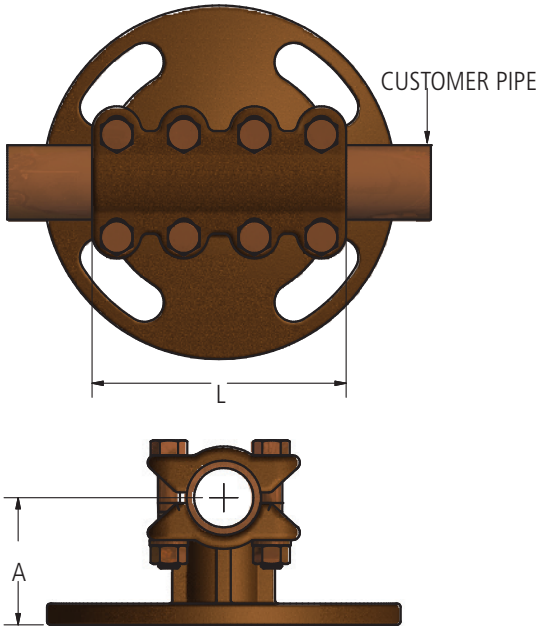
Copper Alloy

### Hardware

Everdur bolts, nuts and lockwashers
Mounting hardware galvanized steel

### Note

For tin plating add "-SN" to end of catalog number.




## Ordering Information

| CATALOG NUMBER | SPS | BOLT CIRCLE | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|---|
| | | | A | L | BOLT SIZE |
| PSC75-3 | 3/4 | 3 | 2 | 3 1/2 | 3/8 |
| PSC75-5 | 3/4 | 5 | 2 1/4 | 3 1/2 | 3/8 |
| PSC100-3 | 1 | 3 | 2 | 4 1/2 | 3/8 |
| PSC100-5 | 1 | 5 | 2 1/4 | 4 1/2 | 3/8 |
| PSC125-3 | 1 1/4 | 3 | 2 1/4 | 5 1/2 | 1/2 |
| PSC125-5 | 1 1/4 | 5 | 2 3/8 | 5 1/2 | 1/2 |
| PSC150-3 | 1 1/2 | 3 | 2 1/2 | 5 3/4 | 1/2 |
| PSC150-5 | 1 1/2 | 5 | 2 1/2 | 5 3/4 | 1/2 |
| PSC200-3 | 2 | 3 | 2 3/4 | 6 | 1/2 |
| PSC200-5 | 2 | 5 | 2 3/4 | 6 | 1/2 |
| PSC250-3 | 2 1/2 | 3 | 3 1/8 | 6 | 1/2 |
| PSC250-5 | 2 1/2 | 5 | 3 1/8 | 6 | 1/2 |
| PSC300-5 | 3 | 5 | 3 5/8 | 7 | 5/8 |
| PSC350-5 | 3 1/2 | 5 | 4 | 8 | 5/8 |
| PSC400-5 | 4 | 5 | 4 1/2 | 8 3/4 | 5/8 |



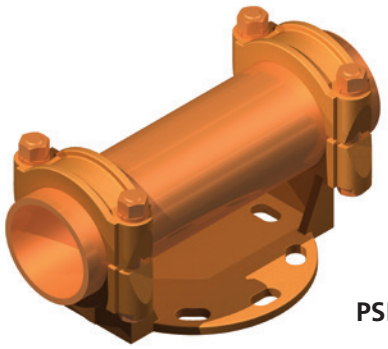
© 2011, AFL, all rights reserved. PP-3-00402, Revision 0, 2.21.11
Specifications are subject to change without notice.

# DOSSERT®

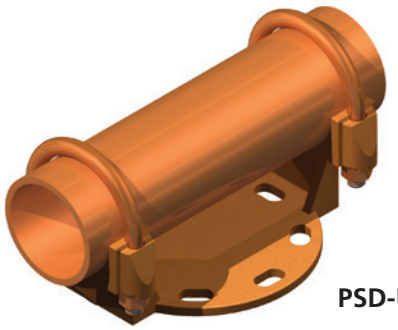
## TYPE PSD, PSD-U

### Bus Support, Pipe, Slide or Tight Fit

A heavy duty bus support clamp designed with a low bus center point height to reduce cantilever action and withstand high stresses. For PSD series, reversible clamps permit tight or slip fit assembly. For PSD-U series, U-bolt provides tight fit. Entire unit is non-magnetic and corrosion resistant.



PSD



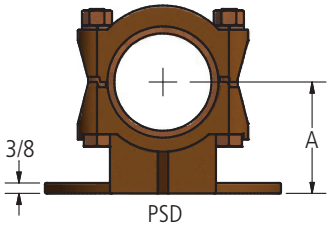
PSD-U

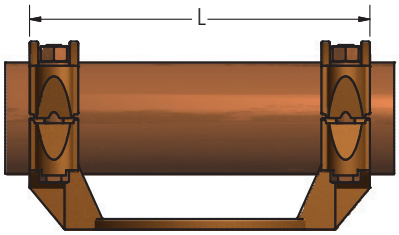
### Material

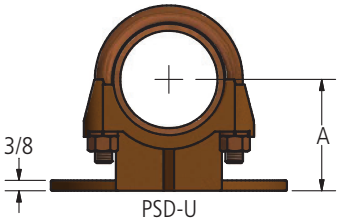
Copper Alloy

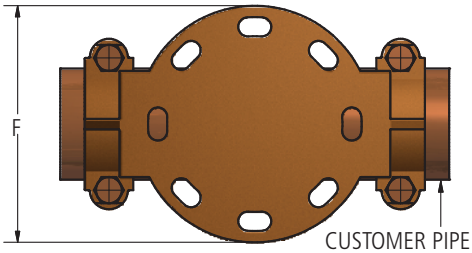
### Hardware

Everdur bolts, nuts and lockwashers
Mounting hardware galvanized steel




## Ordering Information

| CATALOG NUMBER | CATALOG NUMBER U-BOLT | SPS | BOLT CIRCLE | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|
| | | | | A | F | L | |
| PSD75-3 | PSD75-3-U | 3/4 | 3 | 2 | 4 1/4 | 6 3/4 | 1/2 |
| PSD75-5 | PSD75-5-U | 3/4 | 5 | 2 1/4 | 6 1/4 | 9 | 1/2 |
| PSD100-3 | PSD100-3-U | 1 | 3 | 2 | 4 1/4 | 7 | 1/2 |
| PSD100-5 | PSD100-5-U | 1 | 5 | 2 1/4 | 6 1/4 | 9 | 1/2 |
| PSD125-3 | PSD125-3-U | 1 1/4 | 3 | 2 1/4 | 4 1/4 | 7 1/4 | 1/2 |
| PSD125-5 | PSD125-5-U | 1 1/4 | 5 | 2 3/8 | 6 1/4 | 9 1/2 | 1/2 |
| PSD150-3 | PSD150-3-U | 1 1/2 | 3 | 2 1/2 | 4 1/4 | 7 1/4 | 1/2 |
| PSD150-5 | PSD150-5-U | 1 1/2 | 5 | 2 1/2 | 6 1/4 | 9 1/2 | 1/2 |
| PSD200-3 | PSD200-3-U | 2 | 3 | 2 3/4 | 4 1/4 | 7 1/4 | 1/2 |
| PSD200-5 | PSD200-5-U | 2 | 5 | 2 3/4 | 6 1/4 | 9 1/2 | 1/2 |
| PSD250-3 | PSD250-3-U | 2 1/2 | 3 | 3 1/8 | 4 1/4 | 7 3/4 | 1/2 |
| PSD250-5 | PSD250-5-U | 2 1/2 | 5 | 3 1/8 | 6 1/4 | 10 | 1/2 |
| PSD300-3 | PSD300-3-U | 3 | 3 | 3 5/8 | 7 3/4 | 4 1/4 | 5/8 |
| PSD300-5 | PSD300-5-U | 3 | 5 | 3 5/8 | 10 | 6 1/4 | 5/8 |
| PSD300-7 | PSD300-7-U | 3 | 7 | 3 5/8 | 12 1/4 | 8 1/2 | 5/8 |
| PSD350-3 | PSD350-3-U | 3 1/2 | 3 | 4 | 7 3/4 | 4 1/4 | 5/8 |
| PSD350-5 | PSD350-5-U | 3 1/2 | 5 | 4 | 10 | 6 1/4 | 5/8 |
| PSD400-3 | PSD400-3-U | 4 | 3 | 4 1/2 | 7 3/4 | 4 1/4 | 5/8 |
| PSD400-5 | PSD400-5-U | 4 | 5 | 4 1/2 | 10 | 6 1/4 | 5/8 |
| PSD400-7 | PSD400-7-U | 4 | 7 | 4 1/2 | 12 1/4 | 8 1/2 | 5/8 |
| PSD500-3 | PSD500-3-U | 5 | 3 | 5 | 8 | 4 1/4 | 5/8 |
| PSD500-5 | PSD500-5-U | 5 | 5 | 5 | 10 | 6 1/4 | 5/8 |
| PSD500-7 | PSD500-7-U | 5 | 7 | 5 | 12 3/4 | 8 1/2 | 5/8 |
| PSD600-3 | PSD600-3-U | 6 | 3 | 5 1/2 | 8 1/4 | 4 1/4 | 5/8 |
| PSD600-5 | PSD600-5-U | 6 | 5 | 5 1/2 | 10 1/2 | 6 1/4 | 5/8 |
| PSD600-7 | PSD600-7-U | 6 | 7 | 5 1/2 | 12 3/4 | 8 1/2 | 5/8 |
| PSD800-7 | PSD800-7-U | 8 | 7 | 6 7/8 | 12 3/4 | 8 1/2 | 5/8 |

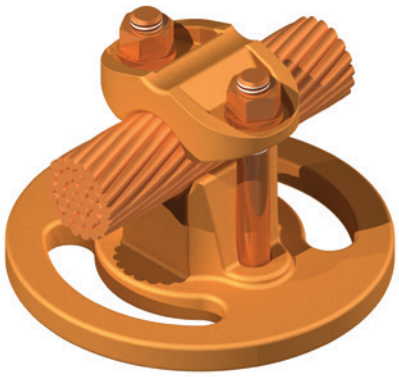


© 2011, AFL, all rights reserved. PP-3-00404, Revision 0, 2.21.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE PSRE

### Low Mounting Variable Bus Support



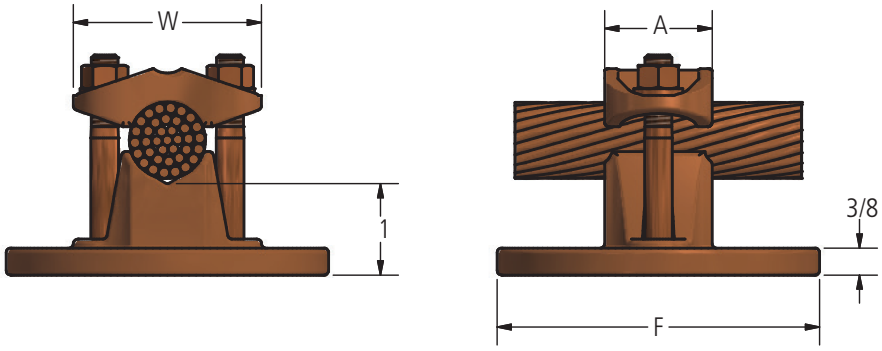
An inexpensive low mounting variable bus support clamp. The wide range of conductor sizes accommodated by a reversible cap minimizes the number of clamps to cover a given range of bus sizes. Furnished complete with cap screws for cap mounting or with bolts, nuts, and lockwashers for base mounting.

### Material

Copper Alloy

### Hardware

Everdur bolts, nuts and lockwashers
Mounting hardware galvanized steel




## Ordering Information

| CATALOG NUMBER | CABLE RANGE | | DIMENSIONS IN INCHES | | | | |
|---|---|---|---|---|---|---|---|
| | MIN | MAX | BOLT CIRCLE | A | F | W | BOLT SIZE |
| PSRE75-3 | 1/4 | 1 1/16 | 3 | 1 1/2 | 4 1/4 | 2 1/2 | 3/8 |
| PSRE125-3 | 13/16 | 1 11/16 | 3 | 1 5/8 | 4 1/4 | 3 1/2 | 1/2 |
| PSRE200-3 | 1 5/8 | 2 3/8 | 3 | 1 5/8 | 4 1/4 | 4 1/4 | 1/2 |
| PSRE75-5 | 1/4 | 1 1/16 | 5 | 1 1/2 | 6 1/4 | 2 1/2 | 3/8 |
| PSRE125-5 | 13/16 | 1 11/16 | 5 | 1 5/8 | 6 1/4 | 3 1/2 | 1/2 |
| PSRE200-5 | 1 5/8 | 2 3/8 | 5 | 1 5/8 | 6 1/4 | 4 1/4 | 1/2 |

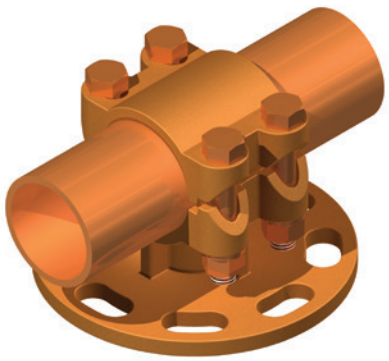


© 2011, AFL, all rights reserved. PP-3-00411, Revision 0, 2.21.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE PSS, PSS-CH

### Pipe Bus Support Slide or Tight Fit



A high strength copper support for securing a tubular bus to a post or pedestal type insulator. Reversible cap permits rigid or slip fit on conductor. Designed with a high resistance to impact and sustained cantilever and torsion stresses. Entire unit is non-magnetic and corrosion resistant.

### Material

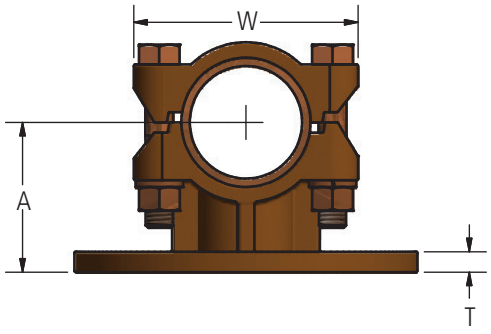
Copper Alloy

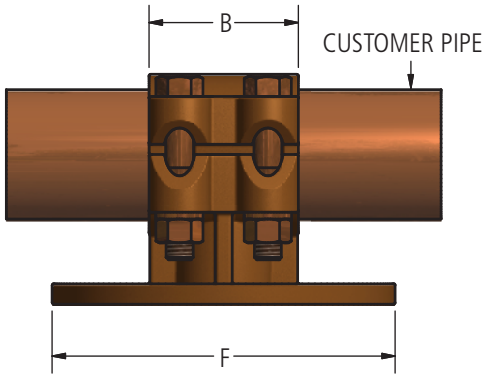
### Hardware

Everdur bolts, nuts and lockwashers
Mounting hardware galvanized steel

### Note

For a chatter spring add suffix "CH" to catalog number.




## Ordering Information

| CATALOG NUMBER | | SPS | BOLT CIRCLE | DIMENSIONS IN INCHES | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|
| STANDARD | CHATTER SPRING | | | A | B | F | T | W | |
| PSS50-3 | PSS50-3-CH | 1/2 | 3 | 1 3/4 | 2 1/2 | 4 1/4 | 3/8 | 2 5/8 | 1/2 |
| PSS50-5 | PSS50-5-CH | 1/2 | 5 | 2 1/8 | 2 1/2 | 6 1/4 | 3/8 | 2 5/8 | 1/2 |
| PSS75-3 | PSS75-3-CH | 3/4 | 3 | 2 | 2 3/4 | 4 1/4 | 3/8 | 2 13/16 | 1/2 |
| PSS75-5 | PSS75-5-CH | 3/4 | 5 | 2 1/4 | 2 3/4 | 6 1/4 | 3/8 | 2 13/16 | 1/2 |
| PSS100-3 | PSS100-3-CH | 1 | 3 | 2 | 2 3/4 | 4 1/4 | 3/8 | 3 1/16 | 1/2 |
| PSS100-5 | PSS100-5-CH | 1 | 5 | 2 1/4 | 2 3/4 | 6 1/4 | 3/8 | 3 1/16 | 1/2 |
| PSS125-3 | PSS125-3-CH | 1 1/4 | 3 | 2 1/4 | 3 | 4 1/4 | 3/8 | 3 13/32 | 1/2 |
| PSS125-5 | PSS125-5-CH | 1 1/4 | 5 | 2 3/8 | 3 | 6 1/4 | 3/8 | 3 13/32 | 1/2 |
| PSS150-3 | PSS150-3-CH | 1 1/2 | 3 | 2 1/2 | 3 | 4 1/4 | 3/8 | 3 21/32 | 1/2 |
| PSS150-5 | PSS150-5-CH | 1 1/2 | 5 | 2 1/2 | 3 | 6 1/4 | 3/8 | 3 21/32 | 1/2 |
| PSS200-3 | PSS200-3-CH | 2 | 3 | 2 3/4 | 3 1/4 | 4 1/4 | 3/8 | 4 1/8 | 1/2 |
| PSS200-5 | PSS200-5-CH | 2 | 5 | 2 3/4 | 3 1/4 | 6 1/4 | 3/8 | 4 1/8 | 1/2 |
| PSS250-3 | PSS250-3-CH | 2 1/2 | 3 | 3 1/8 | 3 1/4 | 4 1/4 | 3/8 | 4 5/8 | 1/2 |
| PSS250-5 | PSS250-5-CH | 2 1/2 | 5 | 3 1/8 | 3 1/4 | 6 1/4 | 3/8 | 4 5/8 | 1/2 |
| PSS300-3 | PSS300-3-CH | 3 | 3 | 3 5/8 | 3 3/4 | 4 1/4 | 7/16 | 4 5/8 | 5/8 |
| PSS300-5 | PSS300-5-CH | 3 | 5 | 3 5/8 | 3 3/4 | 6 1/4 | 7/16 | 4 5/8 | 5/8 |
| PSS350-3 | PSS350-3-CH | 3 1/2 | 3 | 4 | 3 3/4 | 4 1/4 | 7/16 | 6 1/8 | 5/8 |
| PSS350-5 | PSS350-5-CH | 3 1/2 | 5 | 4 | 3 3/4 | 6 1/4 | 7/16 | 6 1/8 | 5/8 |
| PSS400-3 | PSS400-3-CH | 4 | 3 | 4 1/2 | 3 3/4 | 4 1/4 | 7/16 | 6 5/8 | 5/8 |
| PSS400-5 | PSS400-5-CH | 4 | 5 | 4 1/2 | 3 3/4 | 6 1/4 | 7/16 | 6 5/8 | 5/8 |
| PSS450-3 | PSS450-3-CH | 4 1/2 | 3 | 4 3/4 | 3 3/4 | 4 1/4 | 7/16 | 7 1/8 | 5/8 |
| PSS450-5 | PSS450-5-CH | 4 1/2 | 5 | 4 3/4 | 3 3/4 | 6 1/4 | 7/16 | 7 1/8 | 5/8 |
| PSS500-3 | PSS500-3-CH | 5 | 3 | 5 | 3 3/4 | 4 1/4 | 7/16 | 7 5/8 | 5/8 |
| PSS500-5 | PSS500-5-CH | 5 | 5 | 5 | 3.75 | 6 1/4 | 7/16 | 7 5/8 | 5/8 |
| PSS600-5 | PSS600-5-CH | 6 | 5 | 6 | 3.75 | 6 1/4 | 7/16 | 7 5/8 | 5/8 |

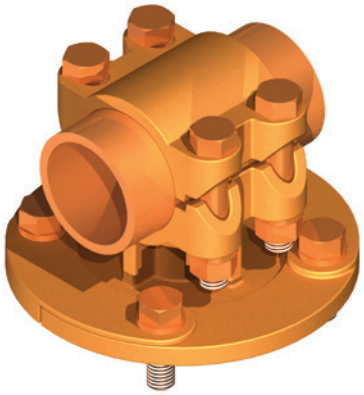


© 2011, AFL, all rights reserved. PP-3-00416, Revision 0, 2.21.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE PSSR, PSSR-CH

### Tubular Bus Support



A high strength bronze support for securing a tubular bus to a post or pedestal type insulator. Fully adjustable to any angle within a complete circle (360°) with the advantage of four bolts maintaining angular setting as well as mounting pressure. Reversible cap permits rigid or slip fit on conductor. Supplied with cap screws for insulator cap mounting or bolts and nuts for base mounting. Unless otherwise specified cap screws are supplied.

### Material

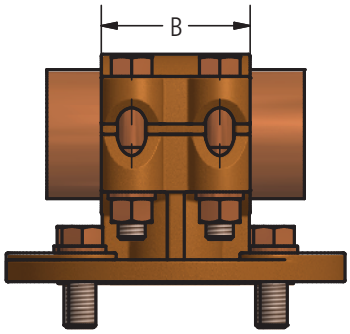
Copper Alloy

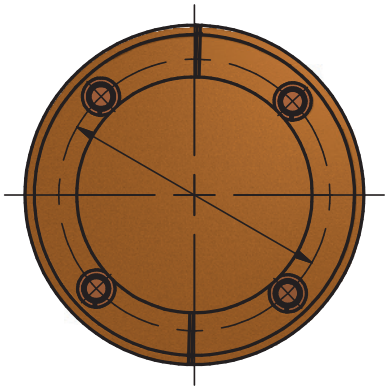
### Hardware

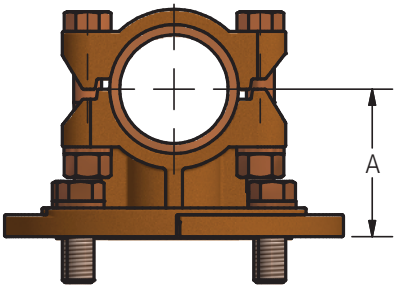
Everdur bolts, nuts and lockwashers
Mounting hardware galvanized steel

### Note

Add suffix "CH" to catalog number for chatter spring. EX: PSSR200-5-CH






## Ordering Information

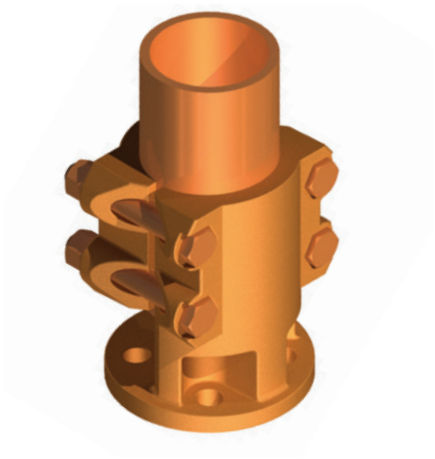
| CATALOG NUMBER | | SPS | BOLT CIRCLE | DIMENSIONS IN INCHES | | BOLT SIZE CAP |
|---|---|---|---|---|---|---|
| STANDARD | CHATTER SPRING | | | A | B | |
| PSSR50-3 | PSSR50-3-CH | 1/2 | 3 | 1 3/4 | 2 1/8 | 3/8 |
| PSSR50-5 | PSSR50-5-CH | 1/2 | 5 | 2 1/8 | 2 1/8 | 3/8 |
| PSSR75-3 | PSSR75-3-CH | 3/4 | 3 | 2 | 2 1/8 | 3/8 |
| PSSR75-5 | PSSR75-5-CH | 3/4 | 5 | 2 1/4 | 2 1/8 | 3/8 |
| PSSR100-3 | PSSR100-3-CH | 1 | 3 | 2 | 2 1/8 | 3/8 |
| PSSR100-5 | PSSR100-5-CH | 1 | 5 | 2 1/4 | 2 1/8 | 3/8 |
| PSSR125-3 | PSSR125-3-CH | 1 1/4 | 3 | 2 1/4 | 2 1/4 | 1/2 |
| PSSR125-5 | PSSR125-5-CH | 1 1/4 | 5 | 2 3/8 | 2 1/4 | 1/2 |
| PSSR150-3 | PSSR150-3-CH | 1 1/2 | 3 | 2 1/2 | 2 1/2 | 1/2 |
| PSSR150-5 | PSSR150-5-CH | 1 1/2 | 5 | 2 1/2 | 2 1/2 | 1/2 |
| PSSR200-3 | PSSR200-3-CH | 2 | 3 | 2 3/4 | 2 3/4 | 1/2 |
| PSSR200-5 | PSSR200-5-CH | 2 | 5 | 2 3/4 | 2 3/4 | 1/2 |
| PSSR250-3 | PSSR250-3-CH | 2 1/2 | 3 | 3 1/8 | 3 | 1/2 |
| PSSR250-5 | PSSR250-5-CH | 2 1/2 | 5 | 3 1/8 | 3 | 1/2 |
| PSSR300-3 | PSSR300-3-CH | 3 | 3 | 3 5/8 | 3 1/4 | 5/8 |
| PSSR300-5 | PSSR300-5-CH | 3 | 5 | 3 5/8 | 3 1/4 | 5/8 |
| PSSR350-3 | PSSR350-3-CH | 3 1/2 | 3 | 4 | 3 1/4 | 5/8 |
| PSSR350-5 | PSSR350-5-CH | 3 1/2 | 5 | 4 | 3 1/4 | 5/8 |
| PSSR400-3 | PSSR400-3-CH | 4 | 3 | 4 1/2 | 3 1/4 | 5/8 |
| PSSR400-5 | PSSR400-5-CH | 4 | 5 | 4 1/2 | 3 1/4 | 5/8 |



© 2011, AFL, all rights reserved. PP-3-00415, Revision 0, 2.21.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE PSV
### Vertical Pipe Bus Support



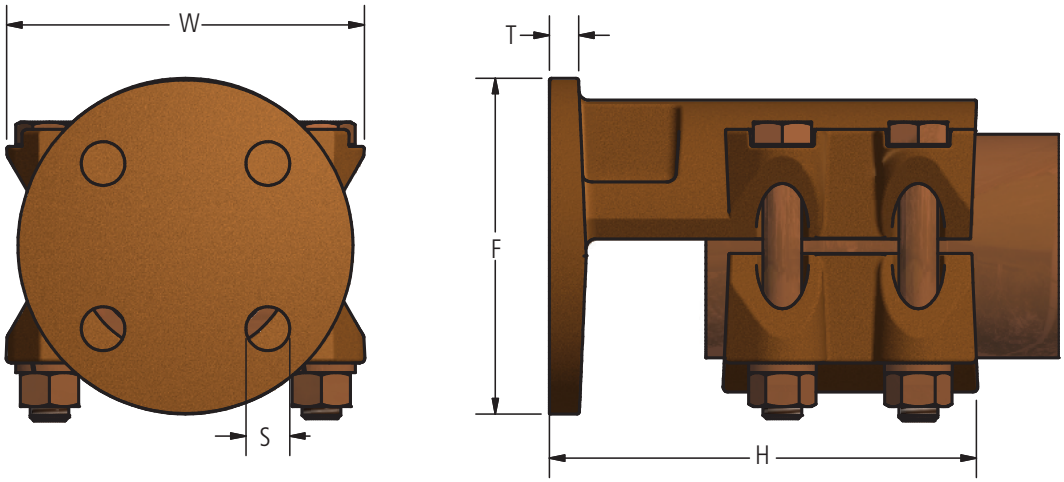
A right angle bus support clamp for mounting the bus vertically on an insulator. Can be readily supplied for either 3 inch or 5 inch bolt circle for cap or base mounting.

### Material

Copper Alloy

### Hardware

Everdur bolts, nuts and lockwashers
Mounting hardware galvanized steel




## Ordering Information

| CATALOG NUMBER | SPS | BOLT CIRCLE | DIMENSIONS IN INCHES | | | | | CANTILEVER FORCE LBS | |
|---|---|---|---|---|---|---|---|---|---|
| | | | F | H | S | T | W | ALLOWABLE | ULTIMATE |
| PSV100-3 | 1 | 3 | 4 1/4 | 4 3/8 | 9/16 | 3/8 | 3 1/8 | 1920 | 2750 |
| PSV150-3 | 1 1/2 | 3 | 4 1/4 | 4 3/4 | 9/16 | 3/8 | 3 11/16 | 2000 | 2880 |
| PSV150-5 | 1 1/2 | 5 | 6 1/4 | 4 3/4 | 11/16 | 3/8 | 3 11/16 | 4130 | 5950 |
| PSV200-3 | 2 | 3 | 4 1/4 | 5 1/2 | 9/16 | 3/8 | 4 1/8 | 2080 | 2990 |
| PSV200-5 | 2 | 5 | 6 1/4 | 4 3/4 | 11/16 | 3/8 | 4 1/8 | 4430 | 6380 |
| PSV250-3 | 2 1/2 | 3 | 4 1/4 | 5 1/2 | 9/16 | 13/32 | 4 5/8 | 2160 | 3110 |
| PSV250-5 | 2 1/2 | 5 | 6 1/4 | 4 3/4 | 11/16 | 13/32 | 4 5/8 | 4590 | 6610 |
| PSV300-3 | 3 | 3 | 4 1/4 | 5 5/16 | 9/16 | 13/32 | 5 5/8 | 2240 | 3230 |
| PSV300-5 | 3 | 5 | 6 1/4 | 5 5/16 | 11/16 | 13/32 | 5 5/8 | 4870 | 7010 |
| PSV350-3 | 3 1/2 | 3 | 4 1/4 | 4 7/8 | 9/16 | 13/32 | 6 1/8 | 2720 | 3920 |
| PSV350-5 | 3 1/2 | 5 | 6 1/4 | 5 1/2 | 11/16 | 13/32 | 6 1/8 | 5030 | 7240 |
| PSV400-3 | 4 | 3 | 4 1/4 | 4 7/8 | 9/16 | 13/32 | 6 5/8 | 2820 | 4060 |
| PSV400-5 | 4 | 5 | 6 1/4 | 4 7/8 | 11/16 | 3/8 | 6 5/8 | 5350 | 7700 |

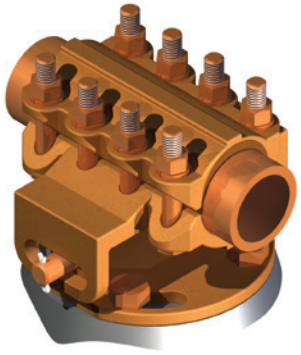


© 2011, AFL, all rights reserved. PP-3-00418, Revision 1, 1.5.2023
Specifications are subject to change without notice.

# TYPE SBC

## Sliding Bus Support For Tubular Bus

DOSSERT®



A sliding bus support coupler for standard pipe size tubular bus. Finds wide application where short membered tubular buses are to be joined and supported on structural members or insulators.Complete unit is corrosion resistant and nonmagnetic.

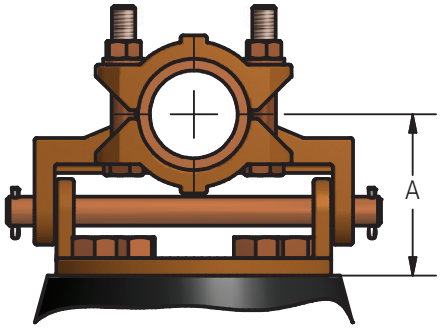
### Material

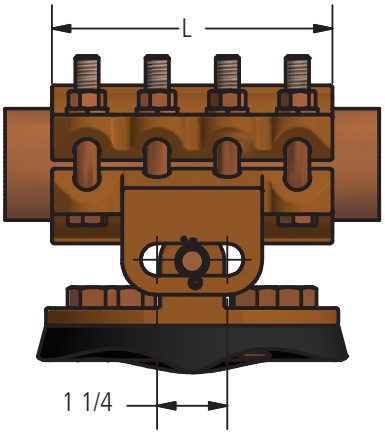
Copper Alloy

### Hardware

Everdur bolts, nuts, lockwashers, washers, stainless steel cotter pin

Mounting hardware galvanized steel




### Ordering Information

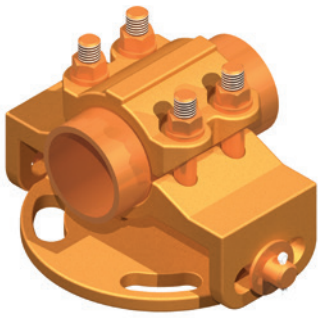
| CATALOG NUMBER | SPS | BOLT CIRCLE | DIMENSIONS IN INCHES | | BOLT SIZE |
|---|---|---|---|---|---|
| | | | A | L | |
| SBC75-3 | 3/4 | 3 | 2 | 3 1/2 | 3/8 |
| SBC75-5 | 3/4 | 5 | 2 1/4 | 3 1/2 | 3/8 |
| SBC100-3 | 1 | 3 | 2 | 4 1/2 | 3/8 |
| SBC100-5 | 1 | 5 | 2 1/4 | 4 1/2 | 3/8 |
| SBC125-3 | 1 1/4 | 3 | 2 1/4 | 5 1/2 | 1/2 |
| SBC125-5 | 1 1/4 | 5 | 2 3/8 | 5 1/2 | 1/2 |
| SBC150-3 | 1 1/2 | 3 | 2 1/2 | 5 3/4 | 1/2 |
| SBC150-5 | 1 1/2 | 5 | 2 1/2 | 5 3/4 | 1/2 |
| SBC200-3 | 2 | 3 | 2 3/4 | 6 | 1/2 |
| SBC200-5 | 2 | 5 | 2 3/4 | 6 | 1/2 |
| SBC250-3 | 2 1/2 | 3 | 3 1/8 | 6 | 1/2 |
| SBC250-5 | 2 1/2 | 5 | 3 1/8 | 6 | 1/2 |
| SBC300-5 | 3 | 5 | 3 5/8 | 7 | 5/8 |
| SBC350-5 | 3 1/2 | 5 | 4 | 8 | 5/8 |
| SBC400-5 | 4 | 5 | 4 1/2 | 8 3/4 | 5/8 |

© 2011, AFL, all rights reserved. PP-3-00444, Revision 1, 4.29.2024
Specifications are subject to change without notice.

# DOSSERT®

## TYPE SBS

### Sliding Bus Support For Tubular Bus



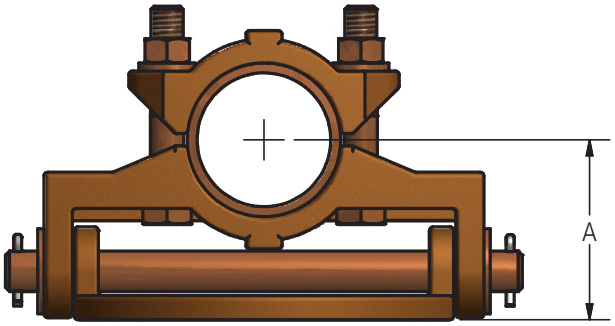
A sliding bus support for standard pipe size tubular bus. The clamp and bracket constitute a rigid member while free axial movement is effected between the bracket and mounting base. Support also permits mounting of tubular buses at slight angular deviation.

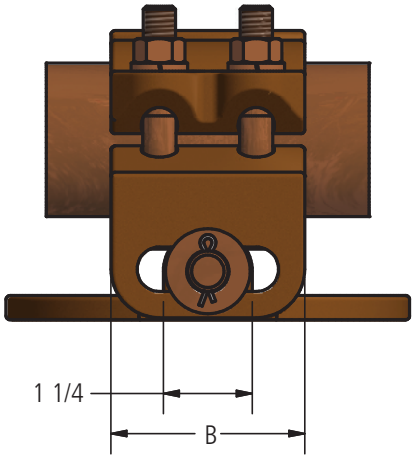
### Material

Copper Alloy

### Hardware

Everdur bolts, nuts and lockwashers
Mounting hardware galvanized steel




## Ordering Information

| CATALOG NUMBER | SPS | BOLT CIRCLE | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|---|
| | | | A | B | BOLT SIZE |
| SBS100-3 | 1 | 3 | 2 | 2 1/8 | 3/8 |
| SBS100-5 | 1 | 5 | 2 1/4 | 2 1/8 | 3/8 |
| SBS125-3 | 1 1/4 | 3 | 2 1/4 | 2 5/8 | 1/2 |
| SBS125-5 | 1 1/4 | 5 | 2 3/8 | 2 5/8 | 1/2 |
| SBS150-3 | 1 1/2 | 3 | 2 1/2 | 2 7/8 | 1/2 |
| SBS150-5 | 1 1/2 | 5 | 2 1/2 | 2 7/8 | 1/2 |
| SBS200-3 | 2 | 3 | 2 3/4 | 3 | 1/2 |
| SBS200-5 | 2 | 5 | 2 3/4 | 3 | 1/2 |
| SBS250-3 | 2 1/2 | 3 | 3 1/8 | 3 1/8 | 1/2 |
| SBS250-5 | 2 1/2 | 5 | 3 1/8 | 3 1/8 | 1/2 |
| SBS300-5 | 3 | 5 | 3 5/8 | 3 1/4 | 5/8 |
| SBS350-5 | 3 1/2 | 5 | 4 | 3 1/4 | 5/8 |
| SBS400-5 | 4 | 5 | 4 1/2 | 3 3/8 | 5/8 |

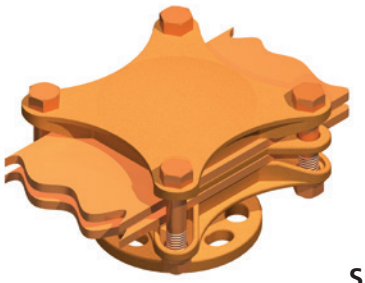


© 2011, AFL, all rights reserved. PP-3-00445, Revision 0, 2.21.11
Specifications are subject to change without notice.

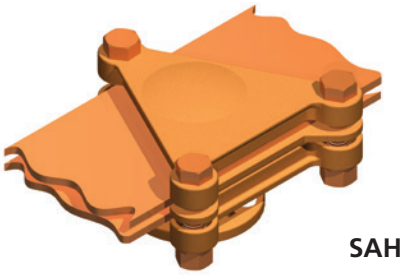
# DOSSERT®

## TYPE SAH, SAHD, SHH, SHHD

A horizontal bus support for supporting one or more flat bus bars in a horizontal position. The following supports do not include spacers. The double group type includes a single wide spacer only.



SHH



SAH

### Material

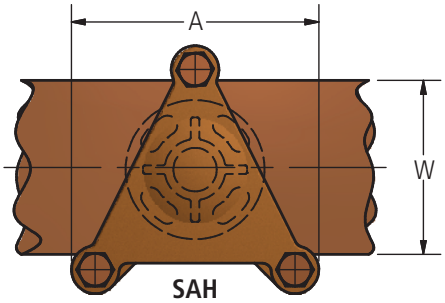
Copper Alloy

### Hardware

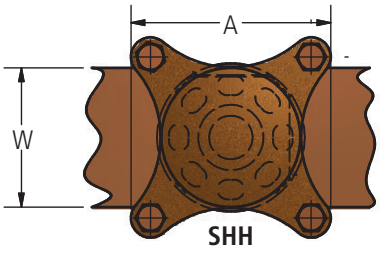
Everdur bolts, nuts and lockwashers
Mounting hardware galvanized steel

### Note

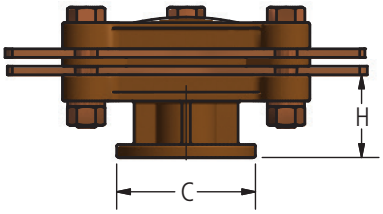
Add suffix to catalog number for the number of bars to be supported. EX: SAV4-3-4

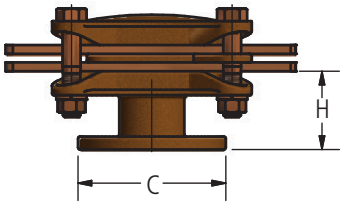



SAH




SHH




## Ordering Information

| CATALOG NUMBER | | | | WIDTH OF BARS | BOLT CIRCLE | DIMENSIONS IN INCHES | | | |
|---|---|---|---|---|---|---|---|---|---|
| SAH | SAHD | SHH | SHHD | | | A | C | H | W |
| SAH2-3 | SAHD2-3 | SHH2-3 | SHHD2-3 | 2 | 3 | 3 5/16 | 3 5/16 | 2 1/8 | 2 |
| SAH2-5 | SAHD2-5 | SHH2-5 | SHHD2-5 | 2 | 5 | 3 5/16 | 3 5/16 | 2 3/8 | 2 |
| SAH3-3 | SAHD3-3 | SHH3-3 | SHHD3-3 | 3 | 3 | 3 5/16 | 4 5/16 | 2 1/8 | 3 |
| SAH3-5 | SAHD3-5 | SHH3-5 | SHHD3-5 | 3 | 5 | 3 5/16 | 4 5/16 | 2 3/8 | 3 |
| SAH4-3 | SAHD4-8 | SHH4-3 | SHHD4-3 | 4 | 3 | 4 3/4 | 5 3/4 | 2 1/4 | 4 |
| SAH4-5 | SAHD4-5 | SHH4-5 | SHHD4-5 | 4 | 5 | 4 3/4 | 5 3/4 | 2 1/2 | 4 |
| SAH5-3 | SAHD5-3 | SHH5-3 | SHHD5-3 | 5 | 3 | 5 3/4 | 6 3/4 | 2 3/8 | 5 |
| SAH5-5 | SAHD5-5 | SHH5-5 | SHHD5-5 | 5 | 5 | 5 3/4 | 6 3/4 | 2 5/8 | 5 |
| SAH6-3 | SAHD6-3 | SHH6-3 | SHHD6-3 | 6 | 3 | 7 1/8 | 8 1/8 | 2 3/8 | 6 |
| SAH6-5 | SAHD6-5 | SHH6-6 | SHHD6-6 | 6 | 5 | 7 1/8 | 8 1/8 | 2 5/8 | 6 |



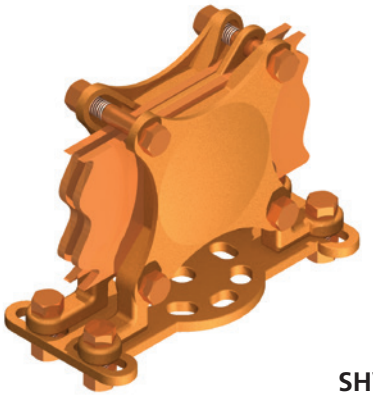
© 2011, AFL, all rights reserved. PP-3-00439, Revision 0, 2.21.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE SAV, SAVD, SHV, SHVD

### Vertical Bus Support Clamps

A vertical support clamp for supporting one or more flat bus bars in a vertical or upright position. SAV and SHV does not include a spacer, SAVD and SHVD includes a single wide spacer only.



SHV

### Material

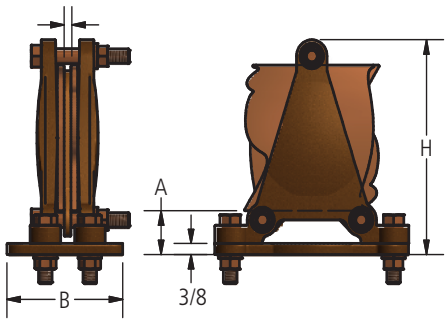
Copper Alloy

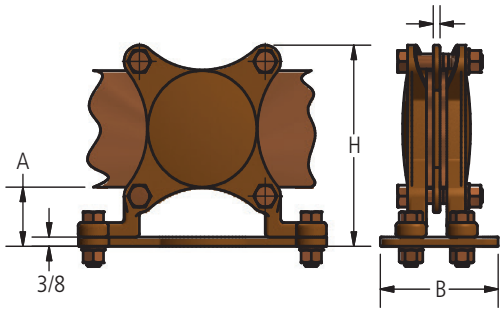
### Note

Suffix to the catalog number the number of bars to be supported. EX: SAV4-5-4

### Hardware

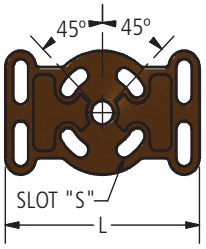
Everdur bolts, nuts and lockwashers
Mounting hardware galvanized steel



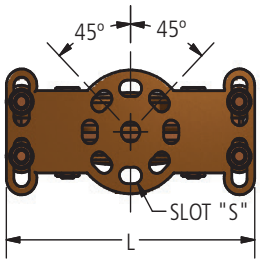






SAV




SAV




SHV

## Ordering Information

| CATALOG NUMBER | | A | CATALOG NUMBER | | A | DIMENSIONS IN INCHES | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| SAV | SAVD | | SHV | SHVD | | WIDTH OF BARS | BOLT CIRCLE | B | H | L |
| SAV2-3 | SAVD2-3 | 1-3/4 | SHV2-3 | SHVD2-3 | 1 3/4 | 2 | 3 | 4 1/4 | 4 7/16 | 8 1/8 |
| SAV2-5 | SAVD2-5 | 1-3/4 | SHV2-5 | SHVD2-5 | 1 3/4 | 2 | 5 | 4 1/4 | 4 7/16 | 8 1/8 |
| SAV3-3 | SAVD3-3 | 1-3/4 | SHV3-3 | SHVD3-3 | 1 3/4 | 3 | 3 | 4 1/4 | 5 7/16 | 8 1/8 |
| SAV3-5 | SAVD3-5 | 1-3/4 | SHV3-5 | SHVD3-5 | 1 3/4 | 3 | 5 | 4 1/4 | 5 7/16 | 8 1/8 |
| SAV4-3 | SAVD4-3 | 1-3/4 | SHV4-3 | SHVD4-3 | 1 3/4 | 4 | 3 | 4 1/4 | 6 3/4 | 8 1/8 |
| SAV4-5 | SAVD4-5 | 1-3/4 | SHV4-5 | SHVD4-5 | 1 3/4 | 4 | 5 | 4 1/4 | 6 3/4 | 7 1/8 |
| SAV5-3 | SAVD5-3 | 1-3/4 | SHV5-3 | SHVD5-3 | 1 3/4 | 5 | 3 | 4 1/4 | 7 3/4 | 7 1/8 |
| SAV5-5 | SAVD5-5 | 1-3/4 | SHV5-5 | SHVD5-5 | 1 3/4 | 5 | 5 | 4 1/4 | 7 3/4 | 7 1/8 |
| SAV6-3 | SAVD6-3 | 1-3/4 | SHV6-3 | SHVD6-3 | 2 | 6 | 3 | 4 1/4 | 8 15/16 | 7 1/8 |
| SAV6-5 | SAVD6-5 | 1-3/4 | SHV6-5 | SHVD6-5 | 2 | 6 | 5 | 4 1/4 | 8 15/16 | 7 1/8 |



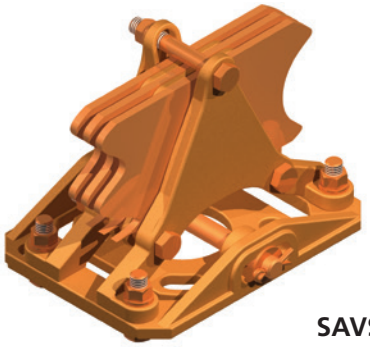
© 2011, AFL, all rights reserved. PP-3-00441, Revision 0, 2.21.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE SAVS, SHVS

### Sliding Vertical Bus Support For Multiple Flat Bars

Four types of sliding bus support clamps for supporting one or more flat bars in a vertical or upright position. The slotted base provides for 1 1/4 inch of axial traverse. Accommodates any number of bars. Types SAVSD and SHVSD allows for double stack mounting by the provision of a 2 3/8 inch spacer for single or multi-bar systems. Unless otherwise specified types SAVS and SHVS are supplied without spacers and types SAVSD and SHVSD are supplied with only the 2 3/8 inch double stack spacer. Supplied with cap screws for cap mounting or bolts and nuts for base mounting.



SAVS



SHVS

### Material

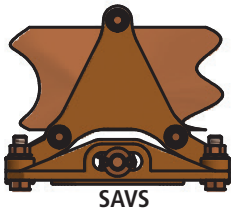
Copper Alloy

### Hardware

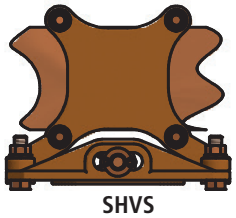
Everdur bolts, nuts, lockwashers, flat washers, and stainless steel cotter pin
Mounting hardware galvanized steel

### Note

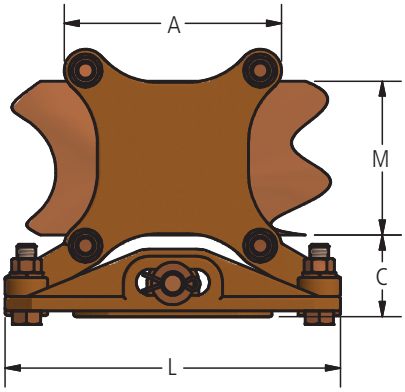
- For additional spacers for 1/4 inch bars spaced 1/4 inch apart please contact AFL
- When ordering add the number of bars to be supported to the end of the catalog number and state bar thickness if other than 1/4 inch. Example: SAVS3-3-4

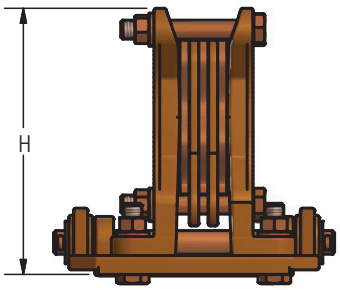


SAVS



SHVS




## Ordering Information

| CATALOG NUMBER | | WIDTH OF BARS M | BOLT CIRCLE | DIMENSIONS IN INCHES | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|
| SAVS | SHVS | | | A | C | H | L | |
| SAVS3-3 | SHVS3-3 | 3 | 3 | 4 5/16 | 1 3/8 | 5 3/8 | 7 3/8 | 3/8 |
| SAVS3-5 | SHVS3-5 | 3 | 5 | 4 5/16 | 1 1/2 | 5 1/2 | 9 3/8 | 3/8 |
| SAVS4-3 | SHVS4-3 | 4 | 3 | 4 3/4 | 1 7/8 | 6 3/4 | 7 7/8 | 1/2 |
| SAVS4-5 | SHVS4-5 | 4 | 5 | 5 3/4 | 2 | 6 7/8 | 9 5/16 | 1/2 |
| SAVS5-3 | SHVS5-3 | 5 | 3 | 4 3/4 | 1 7/8 | 7 3/4 | 7 7/8 | 1/2 |
| SAVS5-5 | SHVS5-5 | 5 | 5 | 5 3/4 | 2 | 7 7/8 | 9 5/16 | 1/2 |
| SAVS6-3 | SHVS6-3 | 6 | 3 | 4 3/4 | 1 7/8 | 8 3/4 | 7 7/8 | 1/2 |
| SAVS6-5 | SHVS6-5 | 6 | 5 | 5 3/4 | 2 | 8 7/8 | 9 5/16 | 1/2 |

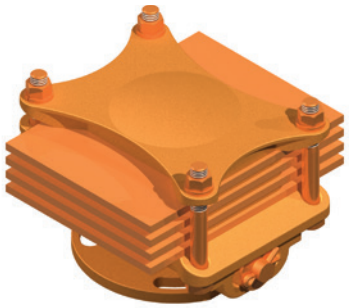


© 2011, AFL, all rights reserved. PP-3-00443, Revision 0, 2.21.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE SSHH, SSHHD

### Horizontal Sliding Bus Support



A horizontal type sliding bus support clamp for supporting one or more flat bars. The axle type support with slotted bracket provides for a 1 1/4 inch traverse. Accommodates any number of bars. Type SSHHD allows for double stack mounting by the provision of a 2 3/8 inch spacer for single bar or multi-bar systems. Unless otherwise specified type SSHH is supplied without spacers and type SSHHD is supplied with only the 2 3/8 inch double stack spacer.. Supplied with cap screws for cap mounting or bolts and nuts for base mounting.

### Material

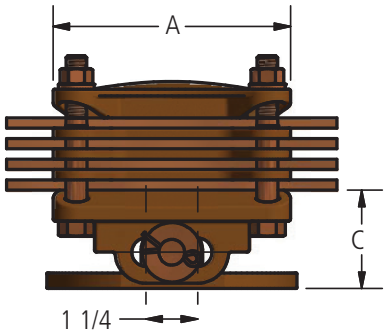
Copper Alloy

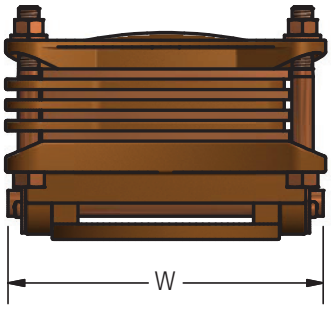
### Hardware

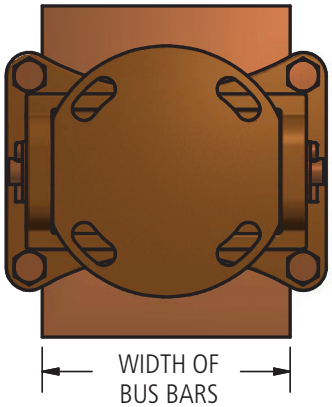
Everdur bolts, nuts, lockwashers, flat washers, and stainless steel cotter pin
Mounting hardware galvanized steel

### Note

- When ordering suffix the number of bars to be supported to catalog number and state bar thickness if other than 1/4 inch.
- For additional spacers for 1/4 inch bars spaced 1/4 inch apart please contact Dossert.




## Ordering Information

| CATALOG NUMBER | | WIDTH OF BUS BARS | BOLT CIRCLE | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|
| | | | | A | C | W | |
| SSHH2-3 | SSHHD2-3 | 2 | 3 | 4 5/16 | 2 1/8 | 6 3/4 | 3/8 |
| SSHH2-5 | SSHHD2-5 | 2 | 5 | 4 5/16 | 2 1/4 | 6 3/4 | 3/8 |
| SSHH3-3 | SSHHD3-3 | 3 | 3 | 4 5/16 | 2 1/8 | 6 3/4 | 3/8 |
| SSHH3-5 | SSHHD3-5 | 3 | 5 | 4 5/16 | 2 1/4 | 6 3/4 | 3/8 |
| SSHH4-3 | SSHHD4-3 | 4 | 3 | 4 3/4 | 2 1/4 | 7 1/4 | 1/2 |
| SSHH4-5 | SSHHD4-5 | 4 | 5 | 4 3/4 | 2 1/2 | 7 1/4 | 1/2 |
| SSHH5-3 | SSHHD5-3 | 5 | 3 | 5 3/4 | 2 3/8 | 7 3/8 | 1/2 |
| SSHH5-5 | SSHHD5-5 | 5 | 5 | 5 3/4 | 2 5/8 | 7 3/8 | 1/2 |
| SSHH6-3 | SSHHD6-3 | 6 | 3 | 5 3/4 | 2 3/8 | 7 3/4 | 1/2 |
| SSHH6-5 | SSHHD6-5 | 6 | 5 | 5 3/4 | 2 5/8 | 7 3/4 | 1/2 |

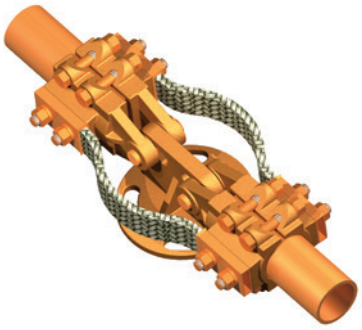


© 2011, AFL, all rights reserved. PP-3-00463, Revision 0, 2.21.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE XBC

### Copper Bus Support Coupler



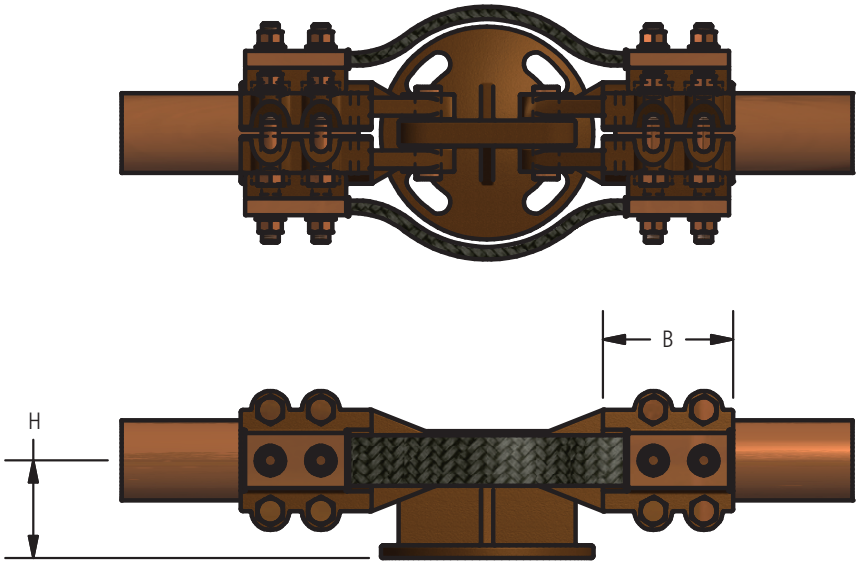
A bus support coupler with a flexible braid linkage designed to conduct the full rated load of the tubular buses and at the same time permit free axial movement of each bus member. The shackle type fitting allows slight angular deviation of the buses from the horizontal where they cannot be kept on a true plane.

### Material

Copper Alloy

### Hardware

Everdur bolts, nuts, lockwashers, galvanized steel clevis pin, and stainless steel cotter pin




## Ordering Information

| CATALOG NUMBER | SPS | BOLT CIRCLE | DIMENSIONS IN INCHES | | BOLT SIZE |
|---|---|---|---|---|---|
| | | | B | H | |
| XBC50-3 | 1/2 | 3 | 2 5/8 | 1 3/4 | 3/8 |
| XBC50-5 | 1/2 | 5 | 2 5/8 | 2 1/8 | 3/8 |
| XBC75-3 | 3/4 | 3 | 3 | 2 | 3/8 |
| XBC75-5 | 3/4 | 5 | 3 | 2 1/4 | 3/8 |
| XBC100-3 | 1 | 3 | 3 | 2 | 3/8 |
| XBC100-5 | 1 | 5 | 3 | 2 1/4 | 3/8 |
| XBC125-3 | 1 1/4 | 3 | 3 | 2 1/4 | 1/2 |
| XBC125-5 | 1 1/4 | 5 | 3 | 2 3/8 | 1/2 |
| XBC150-3 | 1 1/2 | 3 | 3 1/4 | 2 1/2 | 1/2 |
| XBC150-5 | 1 1/2 | 5 | 3 1/4 | 2 1/2 | 1/2 |
| XBC200-3 | 2 | 3 | 3 1/4 | 2 3/4 | 1/2 |
| XBC200-5 | 2 | 5 | 3 1/4 | 2 3/4 | 1/2 |
| XBC250-3 | 2 1/2 | 3 | 3 1/4 | 3 1/8 | 1/2 |
| XBC250-5 | 2 1/2 | 5 | 3 1/4 | 3 1/8 | 1/2 |
| XBC300-3 | 3 | 3 | 3 3/4 | 3 5/8 | 5/8 |
| XBC300-5 | 3 | 5 | 3 3/4 | 3 5/8 | 5/8 |
| XBC350-3 | 3 1/2 | 3 | 3 3/4 | 4 | 5/8 |
| XBC350-5 | 3 1/2 | 5 | 3 3/4 | 4 | 5/8 |
| XBC400-3 | 4 | 3 | 4 | 4 1/2 | 5/8 |
| XBC400-5 | 4 | 5 | 4 | 4 1/2 | 5/8 |
| XBC600-5 | 6 | 5 | 6 3/4 | 5 1/2 | 5/8 |

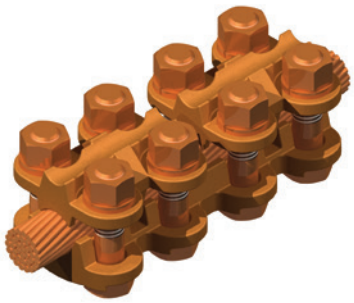


© 2011, AFL, all rights reserved. PP-3-00588, Revision 1, 5.9.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE CCV-S

### Copper Heavy Duty Variable Coupler for Cable



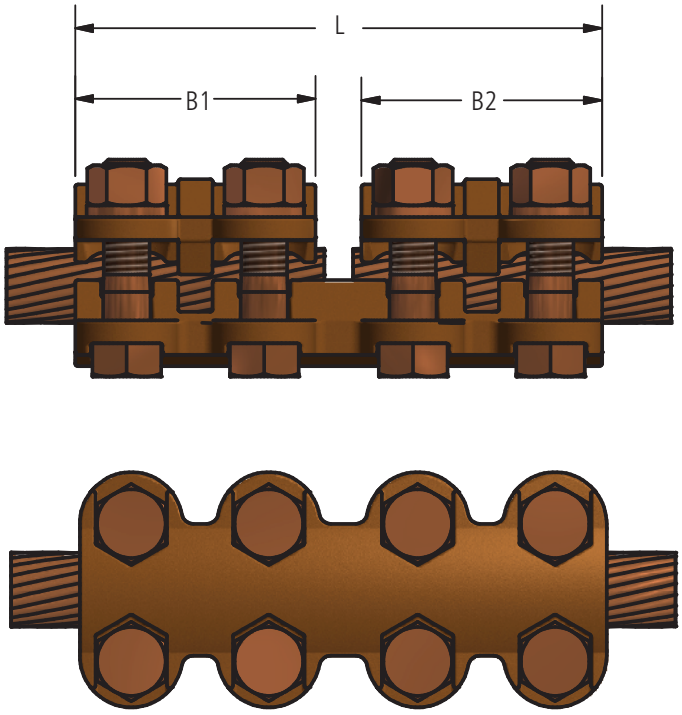
A cable to cable heavy duty variable type coupler. Each cable holding section accommodates a wide range of cable sizes.

### Material

Cast Copper Alloy

### Hardware

Everdur bolts, nuts and lockwashers




## Ordering Information

| CATALOG NUMBER | CABLE RANGE RUN | | CABLE RANGE TAP | | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|
| | MIN | MAX | MIN | MAX | B1 | B2 | L | |
| CCV50-50-S | 1/0 SOL | 500 MCM | 1/0 SOL | 500 MCM | 2 5/8 | 2 5/8 | 5 3/4 | 1/2 |
| CCV60-60-S | #4 SOL | 600 MCM | #4 SOL | 600 MCM | 2 1/2 | 2 1/2 | 5 1/2 | 3/8 |
| CCV80-80-S | 2/0 SOL | 800 MCM | 2/0 SOL | 800 MCM | 2 7/8 | 2 7/8 | 6 1/4 | 1/2 |
| CCV100-50-S | 4/0 SOL | 1000 MCM | 1/0 SOL | 500 MCM | 2 5/8 | 2 7/8 | 5 3/4 | 1/2 |
| CCV100-100-S | 4/0 SOL | 1000 MCM | 4/0 SOL | 1000 MCM | 2 7/8 | 2 7/8 | 6 | 1/2 |
| CCV150-150-S | 250 MCM | 1500 MCM | 250 MCM | 1500 MCM | 3 3/8 | 3 3/8 | 7 1/4 | 1/2 |
| CCV200-200-S | 500 MCM | 2000 MCM | 500 MCM | 2000 MCM | 3 3/8 | 3 3/8 | 7 1/4 | 1/2 |



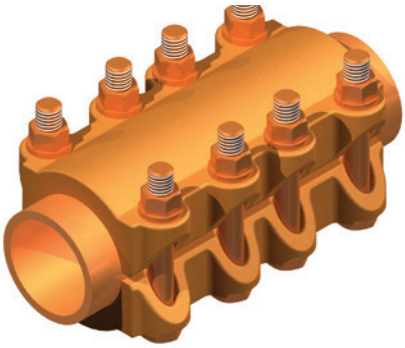
© 2011, AFL, all rights reserved. PP-3-00276, Revision 3, 9.20.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE CP

### Pipe Coupler

A bolted clamp type connector for coupling standard pipe size tubular buses. Rigidly constructed to withstand high bending stresses.

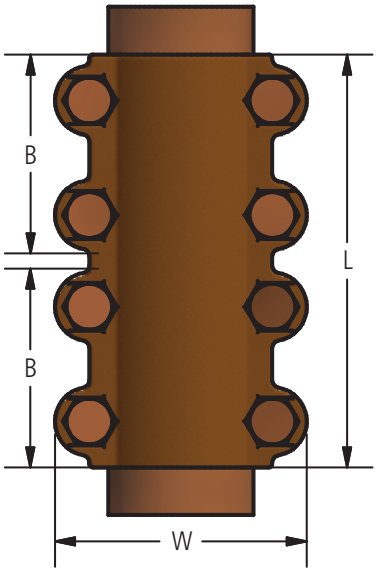


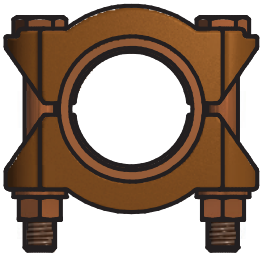
### Material

Copper Alloy

### Hardware

Everdur bolts, nuts and lockwashers



## Ordering Information

| CATALOG NUMBER | SPS | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|---|
| | | B | L | W | |
| CP50 | 1/2 | 2-1/2 | 5-1/4 | 2-9/16 | 1/2 |
| CP75 | 3/4 | 2-3/4 | 5-3/4 | 2-3/4 | 1/2 |
| CP100 | 1 | 2-3/4 | 5-3/4 | 3-1/16 | 1/2 |
| CP125 | 1-1/4 | 3 | 6-1/4 | 3-7/16 | 1/2 |
| CP150 | 1-1/2 | 3 | 6-1/4 | 3-11/16 | 1/2 |
| CP200 | 2 | 3-1/4 | 6-3/4 | 4-1/8 | 1/2 |
| CP250 | 2-1/2 | 3-1/4 | 6-3/4 | 4-5/8 | 1/2 |
| CP300 | 3 | 3-3/4 | 7-3/4 | 5-5/8 | 5/8 |
| CP350 | 3-1/2 | 4 | 8-1/4 | 6-1/8 | 5/8 |
| CP400 | 4 | 4-1/2 | 9-1/4 | 6-5/8 | 5/8 |
| CP500 | 5 | 7 | 14-1/4 | 7-11/16 | 5/8 |
| CP600 | 6 | 7 | 14-1/4 | 8-3/4 | 5/8 |

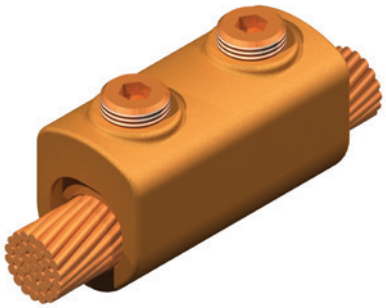


© 2011, AFL, all rights reserved. PP-3-00287, Revision 2, 2.15.2022
Specifications are subject to change without notice.

# DOSSERT®

## TYPE HC, HC-A

### Copper Coupler For Cable



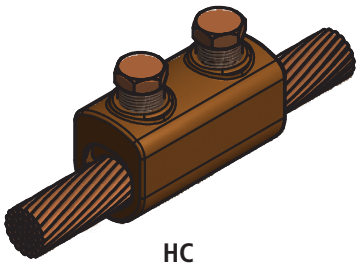
The HERCULON™ Coupler provides an inexpensive means for joining end to end cables of the same size or different size within a wide range of conductors. Complete installation is accomplished by merely tightening the two pressure screws.

### Material

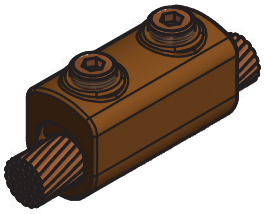
Copper Alloy

### Hardware

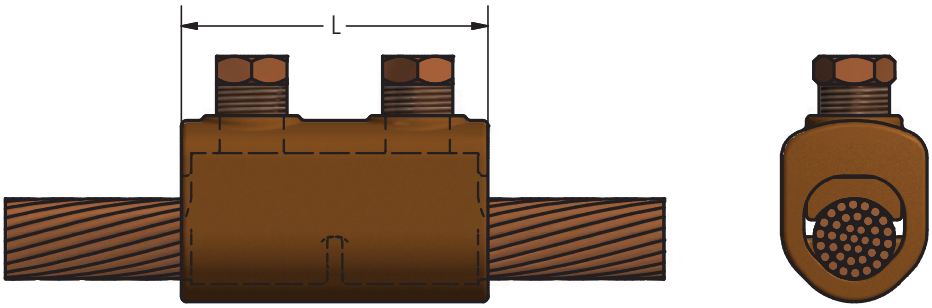
Everdur pressure bolts



HC



HC-A




## Ordering Information

| CATALOG NUMBER | | CABLE RANGE | | DIMENSION IN INCHES |
|---|---|---|---|---|
| HEX BOLT | ALLEN HEAD BOLT | MINIMUM | MAXIMUM | L |
| HC4 | HC4-A | 8 Solid | 4 Solid | 1 1/4 |
| HC8 | HC8-A | 4 Solid | 1 Stranded | 1 3/4 |
| HC13 | HC13-A | 1 Stranded | 2/0 STRanded | 2 |
| HC21 | HC21-A | 2/0 STRanded | 4/0 STRanded | 2 1/4 |
| HC30 | HC30-A | 4/0 STRanded | 300 MCM | 2 9/16 |
| HC35 | HC35-A | 250 MCM | 350 MCM | 2 3/4 |
| HC50 | HC50-A | 300 MCM | 500 MCM | 3 |
| HC75 | HC75-A | 500 MCM | 750 MCM | 3 1/4 |
| HC100 | HC100-A | 750 MCM | 1000 MCM | 3 7/8 |

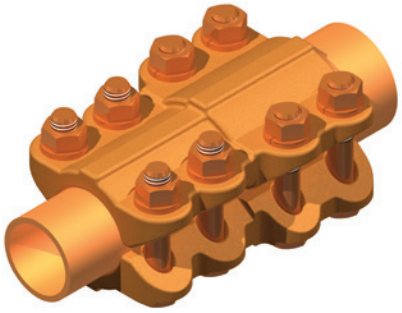


© 2011, AFL, all rights reserved. PP-3-00367, Revision 0, 2.21.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE RP

### Copper Reducing Clamp for Tubular Bus



A clamp type reducing coupler for connecting various sizes of standard pipe size tubular buses end to end. Contact surfaces finished to provide a strong grip on the conductor and a good electrical contact.

### Material

Copper Alloy

### Hardware

Everdur bolts, nuts and lockwashers

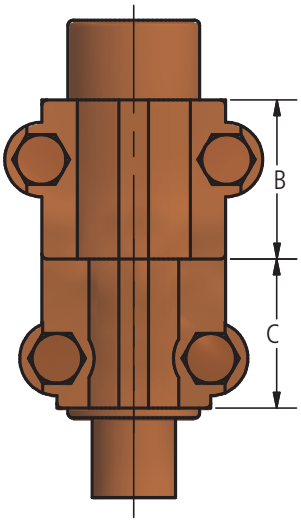



FIG. 1

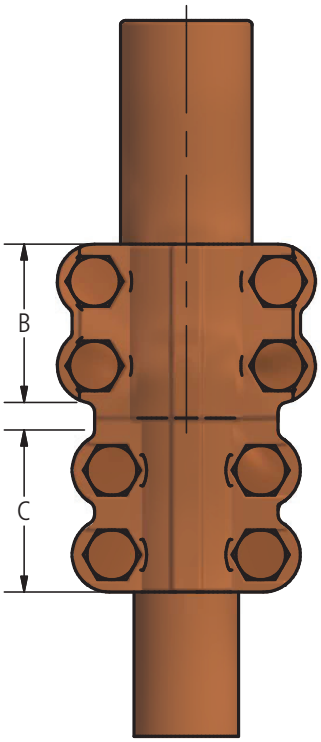
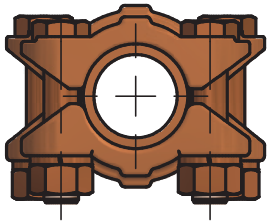



FIG. 2





© 2011, AFL, all rights reserved. PP-3-00431, Revision 2, 2.14.2022
Specifications are subject to change without notice.

# DOSSERT®

## TYPE RP

### Copper Reducing Clamp for Tubular Bus

## Ordering Information

| CATALOG NUMBER | SPS | | FIG. NO. | DIMENSIONS IN INCHES | | BOLT SIZE |
|---|---|---|---|---|---|---|
| | IN | OUT | | B | C | |
| RP38-25 | 3/8 | 1/4 | 1 | 1 1/2 | 1 1/2 | 3/8 |
| RP50-25 | 1/2 | 1/4 | 1 | 1 1/2 | 1 1/2 | 3/8 |
| RP50-38 | 1/2 | 3/8 | 1 | 1 1/2 | 1 1/2 | 3/8 |
| RP75-25 | 3/4 | 1/4 | 1 | 1 1/2 | 1 1/2 | 3/8 |
| RP75-38 | 3/4 | 3/8 | 1 | 1 1/2 | 1 1/2 | 3/8 |
| RP75-50 | 3/4 | 1/2 | 2 | 2 | 2 | 3/8 |
| RP100-38 | 1 | 3/8 | 2 | 1 1/2 | 1 1/2 | 3/8 |
| RP100-50 | 1 | 1/2 | 2 | 2 1/8 | 2 1/8 | 3/8 |
| RP100-75 | 1 | 3/4 | 2 | 2 1/8 | 2 1/8 | 3/8 |
| RP125-50 | 1 1/4 | 1/2 | 2 | 2 1/8 | 2 1/8 | 3/8 |
| RP125-75 | 1 1/4 | 3/4 | 2 | 2 1/8 | 2 1/8 | 3/8 |
| RP125-100 | 1 1/4 | 1 | 2 | 2 1/8 | 2 1/8 | 3/8 |
| RP150-50 | 1 1/2 | 1/2 | 2 | 2 1/8 | 2 1/8 | 3/8 |
| RP150-75 | 1 1/2 | 3/4 | 2 | 2 1/8 | 2 1/8 | 3/8 |
| RP150-100 | 1 1/2 | 1 | 2 | 2 1/8 | 2 1/8 | 3/8 |
| RP150-125 | 1 1/2 | 1 1/4 | 2 | 2 1/2 | 2 1/2 | 1/2 |
| RP200-50 | 2 | 1/2 | 2 | 2 1/8 | 2 1/8 | 3/8 |
| RP200-75 | 2 | 3/4 | 2 | 2 1/8 | 2 1/8 | 3/8 |
| RP200-100 | 2 | 1 | 2 | 2 1/8 | 2 1/8 | 3/8 |
| RP200-125 | 2 | 1 1/4 | 2 | 2 1/2 | 2 1/2 | 1/2 |
| RP200-150 | 2 | 1 1/2 | 2 | 2 5/8 | 2 5/8 | 1/2 |
| RP200-50 | 2 1/2 | 1/2 | 2 | 2 1/8 | 2 1/8 | 3/8 |
| RP250-75 | 2 1/2 | 3/4 | 2 | 2 1/8 | 2 1/8 | 3/8 |
| RP250-100 | 2 1/2 | 1 | 2 | 2 1/8 | 2 1/8 | 3/8 |
| RP250-125 | 2 1/2 | 1 1/4 | 2 | 2 1/2 | 2 1/2 | 1/2 |
| RP250-150 | 2 1/2 | 1 1/2 | 2 | 2 5/8 | 2 5/8 | 1/2 |
| RP250-200 | 2 1/2 | 2 | 2 | 2 3/4 | 2 3/4 | 1/2 |
| RP300-100 | 3 | 1 | 2 | 2 1/8 | 2 1/8 | 3/8 |
| RP300-125 | 3 | 1 1/4 | 2 | 2 1/2 | 2 1/2 | 1/2 |
| RP300-150 | 3 | 1 1/2 | 2 | 2 5/8 | 2 5/8 | 1/2 |
| RP300-200 | 3 | 2 | 2 | 2 3/4 | 2 3/4 | 1/2 |
| RP300-250 | 3 | 2 1/2 | 2 | 2 3/4 | 2 3/4 | 1/2 |
| RP350-100 | 3 1/2 | 1 | 2 | 2 1/8 | 2 1/8 | 3/8 |
| RP350-125 | 3 1/2 | 1 1/4 | 2 | 2 1/2 | 2 1/2 | 1/2 |
| RP350-150 | 3 1/2 | 1 1/2 | 2 | 2 5/8 | 2 5/8 | 1/2 |
| RP350-200 | 3 1/2 | 2 | 2 | 2 3/4 | 2 3/4 | 1/2 |
| RP350-250 | 3 1/2 | 2 1/2 | 2 | 3 1/4 | 2 3/4 | 1/2 |
| RP350-300 | 3 1/2 | 3 | 2 | 3 1/4 | 3 1/4 | 5/8 |
| RP400-125 | 4 | 1 1/4 | 2 | 2 1/2 | 2 1/2 | 1/2 |
| RP400-150 | 4 | 1 1/2 | 2 | 2 5/8 | 2 5/8 | 1/2 |
| RP400-200 | 4 | 2 | 2 | 2 3/4 | 2 3/4 | 1/2 |
| RP400-250 | 4 | 2 1/2 | 2 | 2 3/4 | 2 3/4 | 1/2 |
| RP400-300 | 4 | 3 | 2 | 3 1/4 | 3 1/4 | 5/8 |
| RP400-350 | 4 | 3 1/2 | 2 | 3 1/4 | 3 1/4 | 5/8 |



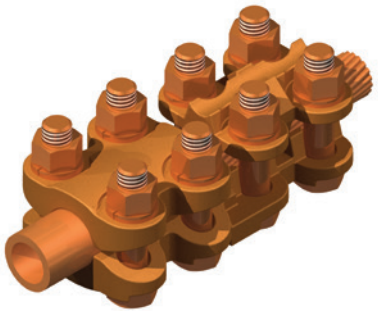
© 2011, AFL, all rights reserved. PP-3-00431, Revision 2, 2.14.2022
Specifications are subject to change without notice.

# DOSSERT®

## TYPE RPCV-S

### Copper Pipe to Cable Coupler

A pipe to cable coupler which takes a wide range of cable sizes on the cable clamping member. All clamping members act independently.

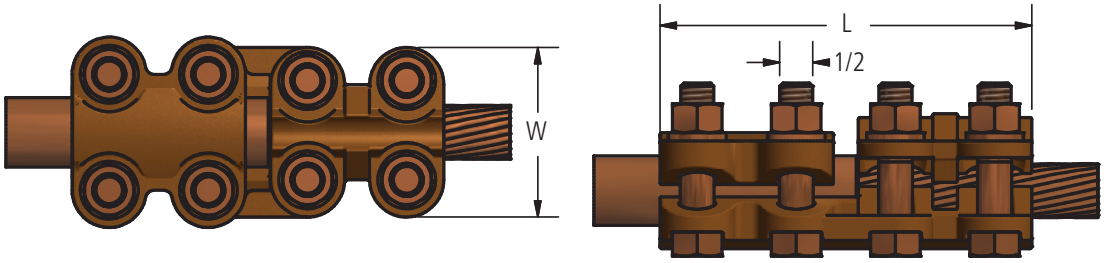


**Material**

High Conductivity Cast Copper Alloy

**Hardware**

Everdur bolts, nuts and lockwashers




## Ordering Information

| CATALOG NUMBER | SPS | CABLE RANGE | | DIMENSIONS IN INCHES | |
|---|---|---|---|---|---|
| | | MIN | MAX | L | W |
| RPCV38-50-S | 3/8 | 1/0 SOL | 500 MCM | 5 5/8 | 2 7/16 |
| RPCV50-25 | 1/2 | 4 SOL | 250 MCM | 5 7/8 | 2 5/8 |
| RPCV50-50-S | 1/2 | 1/0 SOL | 500 MCM | 5 3/4 | 2 5/8 |
| RPCV50-60-S | 1/2 | 4 SOL | 600 MCM | 5 7/8 | 2 5/8 |
| RPCV75-25 | 3/4 | 4 SOL | 250 MCM | 6 | 2 7/8 |
| RPCV75-50-S | 3/4 | 1/0 SOL | 500 MCM | 5 7/8 | 2 7/8 |
| RPCV75-60-S | 3/4 | 4 SOL | 600 MCM | 6 | 2 7/8 |
| RPCV100-25 | 1 | 4 SOL | 250 MCM | 6 | 3 3/16 |
| RPCV100-50-S | 1 | 1/0 SOL | 500 MCM | 5 7/8 | 3 3/16 |
| RPCV100-60-S | 1 | 4 SOL | 600 MCM | 6 | 3 3/16 |
| RPCV100-80-S | 1 | 2/0 SOL | 800 MCM | 6 1/8 | 3 3/16 |
| RPCV100-100-S | 1 | 4/0 SOL | 1000 MCM | 6 1/8 | 2 7/8 |
| RPCV125-25 | 1 1/4 | 4 SOL | 250 MCM | 5 7/8 | 3 7/16 |
| RPCV125-50-S | 1 1/4 | 1/0 SOL | 500 MCM | 5 3/4 | 3 7/16 |
| RPCV125-60-S | 1 1/4 | 4 SOL | 600 MCM | 5 7/8 | 3 7/16 |
| RPCV125-80-S | 1 1/4 | 2/0 SOL | 800 MCM | 6 | 3 7/16 |
| RPCV125-100-S | 1 1/4 | 4/0 SOL | 1000 MCM | 6 | 3 7/16 |
| RPCV150-25 | 1 1/2 | 4 SOL | 250 MCM | 5 7/8 | 3 11/16 |
| RPCV150-50-S | 1 1/2 | 1/0 SOL | 500 MCM | 5 3/4 | 3 11/16 |
| RPCV150-60-S | 1 1/2 | 4 SOL | 600 MCM | 5 7/8 | 3 11/16 |
| RPCV150-80-S | 1 1/2 | 2/0 SOL | 800 MCM | 6 | 3 5/8 |
| RPCV150-100-S | 1 1/2 | 4/0 SOL | 1000 MCM | 6 | 3 5/8 |
| RPCV150-150-S | 1 1/2 | 4/0 SOL | 2000 MCM | 6 1/2 | 3 5/8 |
| RPCV150-200-S | 1 1/2 | 500 MCM | 2000 MCM | 6 1/2 | 3 5/8 |
| RPCV200-25 | 2 | 4 SOL | 250 MCM | 6 1/8 | 4 1/8 |
| RPCV200-50-S | 2 | 1/0 SOL | 500 MCM | 6 | 4 1/8 |
| RPCV200-60-S | 2 | 4 SOL | 600 MCM | 6 1/8 | 4 1/8 |
| RPCV200-80-S | 2 | 2/0 SOL | 800 MCM | 6 1/4 | 4 1/8 |
| RPCV200-100-S | 2 | 4/0 SOL | 1000 MCM | 6 1/4 | 4 1/8 |
| RPCV200-150-S | 2 | 4/0 SOL | 2000 MCM | 6 3/4 | 4 1/8 |

| CATALOG NUMBER | SPS | CABLE RANGE | | DIMENSIONS IN INCHES | |
|---|---|---|---|---|---|
| | | MIN | MAX | L | W |
| RPCV200-200-S | 2 | 500 MCM | 2000 MCM | 6 3/4 | 4 1/8 |
| RPCV250-25 | 2 1/2 | 4 SOL | 250 MCM | 6 1/8 | 4 5/8 |
| RPCV250-50-S | 2 1/2 | 1/0 SOL | 500 MCM | 6 | 4 5/8 |
| RPCV250-60-S | 2 1/2 | 4 SOL | 600 MCM | 6 1/8 | 4 5/8 |
| RPCV250-80-S | 2 1/2 | 2/0 SOL | 800 MCM | 6 1/4 | 4 5/8 |
| RPCV250-100-S | 2 1/2 | 4/0 SOL | 1000 MCM | 6 1/4 | 4 5/8 |
| RPCV250-150-S | 2 1/2 | 4/0 SOL | 2000 MCM | 6 3/4 | 4 5/8 |
| RPCV250-200-S | 2 1/2 | 500 MCM | 2000 MCM | 6 3/4 | 4 5/8 |
| RPCV300-25 | 3 | 4 SOL | 250 MCM | 6 3/8 | 5 3/8 |
| RPCV300-50-S | 3 | 1/0 SOL | 500 MCM | 6 1/4 | 5 3/8 |
| RPCV300-60-S | 3 | 4 SOL | 600 MCM | 6 3/8 | 5 3/8 |
| RPCV300-80-S | 3 | 2/0 SOL | 800 MCM | 6 1/2 | 5 3/8 |
| RPCV300-100-S | 3 | 4/0 SOL | 1000 MCM | 6 1/2 | 5 3/8 |
| RPCV300-150-S | 3 | 4/0 SOL | 2000 MCM | 7 | 5 3/8 |
| RPCV300-200-S | 3 | 500 MCM | 2000 MCM | 7 | 5 7/8 |
| RPCV350-25 | 3 1/2 | 4 SOL | 250 MCM | 6 1/2 | 6 1/8 |
| RPCV350-50-S | 3 1/2 | 1/0 SOL | 500 MCM | 6 1/4 | 5 7/8 |
| RPCV350-60-S | 3 1/2 | 4 SOL | 600 MCM | 6 3/8 | 5 7/8 |
| RPCV350-80-S | 3 1/2 | 2/0 SOL | 800 MCM | 6 1/2 | 5 7/8 |
| RPCV350-100-S | 3 1/2 | 4/0 SOL | 1000 MCM | 6 1/2 | 5 7/8 |
| RPCV350-150-S | 3 1/2 | 4/0 SOL | 2000 MCM | 7 | 5 7/8 |
| RPCV350-200-S | 3 1/2 | 500 MCM | 2000 MCM | 7 | 5 7/8 |
| RPCV400-25 | 4 | 4 SOL | 250 MCM | 6 5/8 | 6 3/8 |
| RPCV400-50-S | 4 | 1/0 SOL | 500 MCM | 6 1/2 | 6 3/8 |
| RPCV400-60-S | 4 | 4 SOL | 600 MCM | 6 5/8 | 6 3/8 |
| RPCV400-80-S | 4 | 2/0 SOL | 800 MCM | 6 3/4 | 6 3/8 |
| RPCV400-100-S | 4 | 4/0 SOL | 1000 MCM | 6 3/4 | 6 3/8 |
| RPCV400-150-S | 4 | 4/0 SOL | 2000 MCM | 7 1/2 | 6 3/8 |
| RPCV400-200-S | 4 | 500 MCM | 2000 MCM | 7 1/2 | 6 3/8 |

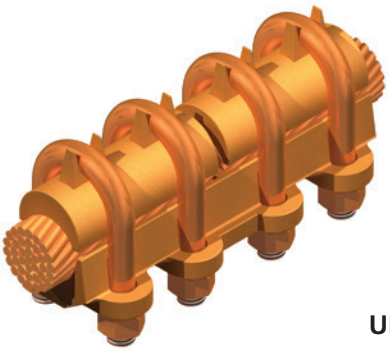


© 2011, AFL, all rights reserved. PP-3-00434, Revision 1, 8.10.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE UK, UKT
### Copper U-Bolt Coupler

A U-Bolt type straight connector for coupling two cables end to end. The the UKT connects a total of three cables. Each of the connector takes a wide range of cable sizes. Designed to provide high contact pressure on all cable sizes.



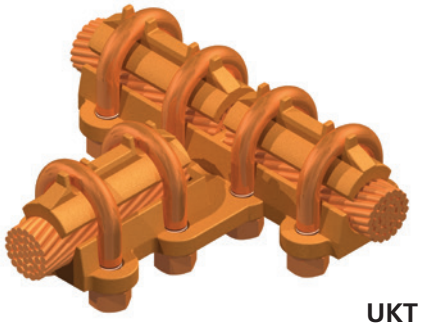
UK

### Material

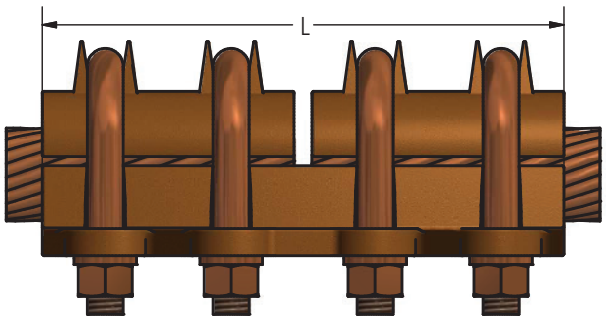
Copper Alloy

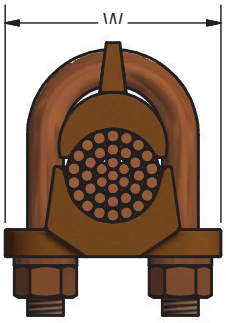
### Hardware

Everdur U-bolts, nuts and lockwashers

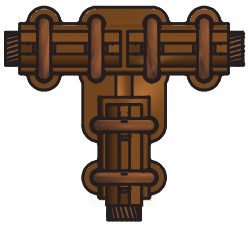


UKT




UK



UKT

## Ordering Information

| CATALOG NUMBER | | CABLE RANGE | | DIMENSIONS IN INCHES | | U-BOLT SIZE |
|---|---|---|---|---|---|---|
| UK | UKT | MIN | MAX | L | W | |
| UK13 | UKT13-13 | 6 Str | 2/0 STR | 5 1/8 | 1 9/16 | 5/16 |
| UK21 | UKT21-21 | 1 Str | 4/0 STR | 5 3/8 | 1 7/8 | 3/8 |
| UK30 | UKT30-30 | 1/0 STR | 300 MCM | 5 5/8 | 1 15/16 | 3/8 |
| UK50 | UKT50-50 | 300 MCM | 500 MCM | 6 1/8 | 2 1/8 | 3/8 |
| UK80 | UKT80-80 | 500 MCM | 800 MCM | 6 5/8 | 2 13/16 | 1/2 |
| UK100 | UKT100-100 | 750 MCM | 1000 MCM | 7 1/8 | 2 15/16 | 1/2 |
| UK150 | UKT150-150 | 1000 MCM | 1500 MCM | 8 1/8 | 3 3/16 | 1/2 |
| UK200 | UKT200-200 | 1500 MCM | 2000 MCM | 9 1/8 | 3 3/8 | 1/2 |

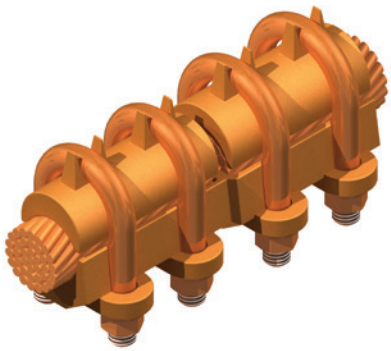


© 2011, AFL, all rights reserved. PP-3-00493, Revision 0, 2.21.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE UKR

### Copper U-Bolt Coupler Reducer



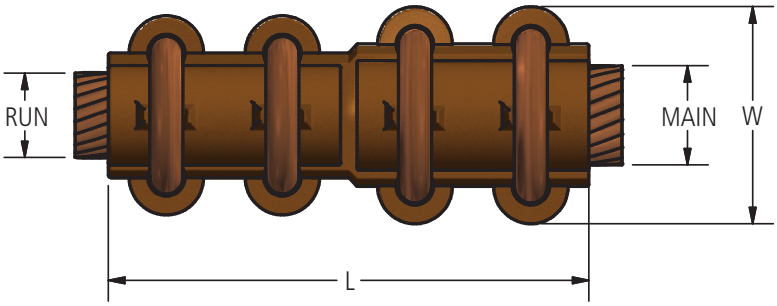
A U-Bolt type reducer connector for coupling end to end two unequal size cables. The variability of each half of the connector makes possible the combination of many sizes of cable.

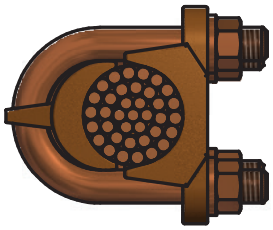
### Material

Copper Alloy

### Hardware

Everdur U-bolts, nuts and lockwashers



## Ordering Information

| CATALOG NUMBER | CABLE RANGE RUN | | CABLE RANGE TAP | | DIMENTSIONS IN INCHS | | U-BOLT SIZE | |
|---|---|---|---|---|---|---|---|---|
| | MIN | MAX | MIN | MAX | L | W | MAIN | RUN |
| UKR21-13 | 1 Str | 4/0 STR | 6 Str | 2/0 STR | 5 1/4 | 1 7/8 | 3/8 | 5/16 |
| UKR30-13 | 1/0 STR | 300 MCM | 6 Str | 2/0 STR | 5 3/8 | 1 15/16 | 3/8 | 5/16 |
| UKR30-21 | 1/0 STR | 300 MCM | 1 Str | 4/0 STR | 5 1/2 | 1 15/16 | 3/8 | 3/8 |
| UKR50-30 | 300 MCM | 500 MCM | 1/0 STR | 300 MCM | 5 7/8 | 2 1/8 | 3/8 | 3/8 |
| UKR80-30 | 500 MCM | 800 MCM | 1/0 STR | 300 MCM | 6 1/8 | 2 13/16 | 1/2 | 3/8 |
| UKR80-50 | 500 MCM | 800 MCM | 300 MCM | 500 MCM | 6 3/8 | 2 13/16 | 1/2 | 3/8 |
| UKR100-30 | 750 MCM | 1000 MCM | 1/0 STR | 300 MCM | 6 3/8 | 2 15/16 | 1/2 | 3/8 |
| UKR100-50 | 750 MCM | 1000 MCM | 300 MCM | 500 MCM | 6 5/8 | 2 15/16 | 1/2 | 3/8 |
| UKR100-80 | 750 MCM | 1000 MCM | 500 MCM | 800 MCM | 6 7/8 | 2 15/16 | 1/2 | 1/2 |
| UKR150-30 | 1000 MCM | 1500 MCM | 1/0 STR | 300 MCM | 6 15/16 | 3 3/16 | 1/2 | 3/8 |
| UKR150-50 | 1000 MCM | 1500 MCM | 300 MCM | 500 MCM | 7 1/8 | 3 3/16 | 1/2 | 3/8 |
| UKR150-80 | 1000 MCM | 1500 MCM | 500 MCM | 800 MCM | 7 3/8 | 3 3/16 | 1/2 | 1/2 |
| UKR150-100 | 1000 MCM | 1500 MCM | 750 MCM | 1000 MCM | 7 5/8 | 3 3/16 | 1/2 | 1/2 |
| UKR200-50 | 1500 MCM | 2000 MCM | 300 MCM | 500 MCM | 7 5/8 | 3 3/8 | 1/2 | 3/8 |
| UKR200-80 | 1500 MCM | 2000 MCM | 500 MCM | 800 MCM | 7 7/8 | 3 3/8 | 1/2 | 1/2 |
| UKR200-100 | 1500 MCM | 2000 MCM | 750 MCM | 1000 MCM | 8 1/8 | 3 3/8 | 1/2 | 1/2 |
| UKR200-150 | 1500 MCM | 2000 MCM | 1000 MCM | 1500 MCM | 8 5/8 | 3 3/8 | 1/2 | 1/2 |



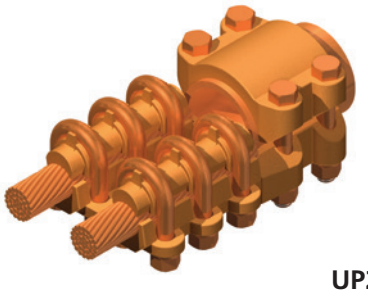
© 2011, AFL, all rights reserved. PP-3-00495, Revision 0, 2.21.11
Specifications are subject to change without notice.

DOSSERT®

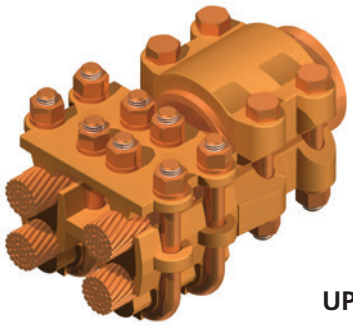
# TYPE UP2K, UP4K

## Special Coupler For Cables To Tubular Bus

A special coupler for coupling cables to a copper tubular bus. Each cable position is designed to accommodate a wide range of cable sizes.



UP2K



UP4K

### Material

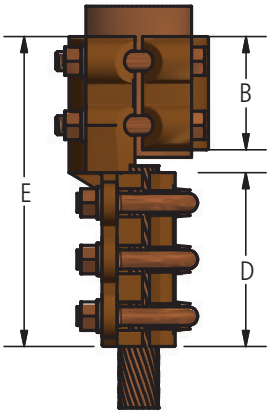
Copper Alloy

### Hardware

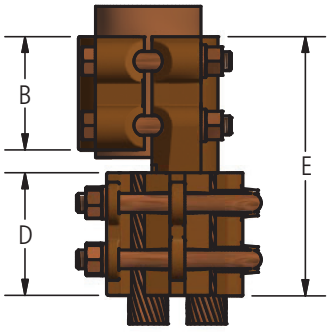
Everdur bolts, nuts, lockwashers, and U-bolt

### Note

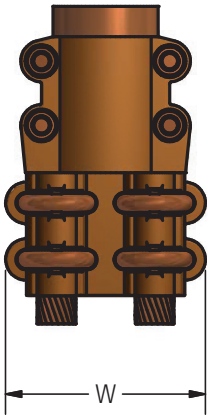
- Please contact Factory for specific sizes
  For a four(4) cable coupler to pipe, replace UP2K with UP4K.
  EX: UP2K300-80 would be with two cables.
- UP4K300-80 would be with four cables.
- For tin plating add "-SN" to the end of catalog number.

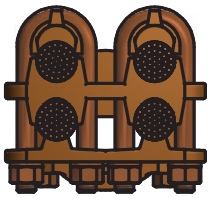



UP2K




UP4K



UP4K



© 2011, AFL, all rights reserved. PP-3-00507, Revision 1, 8.2.13
Specifications are subject to change without notice.

# DOSSERT®

## TYPE UP2K, UP4K

**Special Coupler For Cables To Tubular Bus**

## Ordering Information

| CATALOG NUMBER | | PIPE SPS | CABLE RANGE RUN | | DIMENSIONS IN INCHES | | | | | BOLT SIZE | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| UP2K | UP4K | | MIN | MAX | B | D | E | S | W | RUN | TAP |
| UP2K38-13 | UP4K38-13 | 3/8 | #6 Str | 2/0 STR | 2 | 2 1/2 | 4 7/8 | 1 11/16 | 3 1/4 | 3/8 | 5/16 |
| UP2K50-13 | UP4K50-13 | 1/2 | #6 Str | 2/0 STR | 2 | 2 1/2 | 4 7/8 | 1 11/16 | 3 1/4 | 3/8 | 5/16 |
| UP2K50-21 | UP4K50-21 | 1/2 | #1 Str | 4/0 STR | 2 | 2 5/8 | 5 | 1 31/32 | 3 3/4 | 3/8 | 3/8 |
| UP2K50-30 | UP4K50-30 | 1/2 | 1/0 STR | 300 MCM | 2 | 2 3/4 | 5 1/8 | 2 1/16 | 4 | 3/8 | 3/8 |
| UP2K75-13 | UP4K75-13 | 3/4 | #6 Str | 2/0 STR | 2 | 2 1/2 | 4 7/8 | 1 11/16 | 3 1/4 | 3/8 | 5/16 |
| UP2K75-21 | UP4K75-21 | 3/4 | #1 Str | 4/0 STR | 2 | 2 5/8 | 5 | 1 31/32 | 3 3/4 | 3/8 | 3/8 |
| UP2K75-30 | UP4K75-30 | 3/4 | 1/0 STR | 300 MCM | 2 | 2 3/4 | 5 1/8 | 2 1/16 | 4 | 3/8 | 3/8 |
| UP2K75-50 | UP4K75-50 | 3/4 | 300 MCM | 500 MCM | 2 | 3 | 5 3/8 | 2 1/4 | 4 3/8 | 3/8 | 3/8 |
| UP2K100-13 | UP4K100-13 | 1 | #6 Str | 2/0 STR | 2 1/4 | 2 1/2 | 5 1/8 | 1 11/16 | 3 1/4 | 3/8 | 5/16 |
| UP2K100-21 | UP4K100-21 | 1 | #1 Str | 4/0 STR | 2 1/4 | 2 5/8 | 5 1/4 | 1 31/32 | 3 3/4 | 3/8 | 3/8 |
| UP2K100-30 | UP4K100-30 | 1 | 1/0 STR | 300 MCM | 2 1/4 | 2 3/4 | 5 3/8 | 2 1/16 | 4 | 3/8 | 3/8 |
| UP2K100-50 | UP4K100-50 | 1 | 300 MCM | 500 MCM | 2 1/4 | 3 | 5 5/8 | 2 1/4 | 4 3/8 | 3/8 | 3/8 |
| UP2K100-80 | UP4K100-80 | 1 | 500 MCM | 800 MCM | 2 3/4 | 3 1/4 | 6 3/8 | 2 27/32 | 5 1/2 | 1/2 | 1/2 |
| UP2K125-13 | UP4K125-13 | 1 1/4 | #6 Str | 2/0 STR | 2 1/4 | 2 1/2 | 5 1/8 | 1 11/16 | 3 1/4 | 3/8 | 5/16 |
| UP2K125-21 | UP4K125-21 | 1 1/4 | #1 Str | 4/0 STR | 2 1/4 | 2 5/8 | 5 1/4 | 1 31/32 | 3 3/4 | 3/8 | 3/8 |
| UP2K125-30 | UP4K125-30 | 1 1/4 | 1/0 STR | 300 MCM | 2 1/4 | 2 3/4 | 5 3/8 | 2 1/16 | 4 | 3/8 | 3/8 |
| UP2K125-50 | UP4K125-50 | 1 1/4 | 300 MCM | 500 MCM | 2 1/4 | 3 | 5 5/8 | 2 1/4 | 4 3/8 | 3/8 | 3/8 |
| UP2K125-80 | UP4K125-80 | 1 1/4 | 500 MCM | 800 MCM | 2 3/4 | 3 1/4 | 6 3/8 | 2 27/32 | 5 1/2 | 1/2 | 1/2 |
| UP2K125-100 | UP4K125-100 | 1 1/4 | 750 MCM | 1000 MCM | 2 3/4 | 3 1/2 | 6 5/8 | 3 | 5 7/8 | 1/2 | 1/2 |
| UP2K150-21 | UP4K150-21 | 1 1/2 | #1 Str | 4/0 STR | 2 1/4 | 2 5/8 | 5 1/4 | 1 31/32 | 3 3/4 | 3/8 | 3/8 |
| UP2K150-30 | UP4K150-30 | 1 1/2 | 1/0 STR | 300 MCM | 2 1/4 | 2 3/4 | 5 3/8 | 2 1/16 | 4 | 3/8 | 3/8 |
| UP2K150-50 | UP4K150-50 | 1 1/2 | 300 MCM | 500 MCM | 2 1/4 | 3 | 5 5/8 | 2 1/4 | 4 3/8 | 3/8 | 3/8 |
| UP2K150-80 | UP4K150-80 | 1 1/2 | 500 MCM | 800 MCM | 2 3/4 | 3 1/4 | 6 3/8 | 2 27/32 | 5 1/2 | 1/2 | 1/2 |
| UP2K150-100 | UP4K150-100 | 1 1/2 | 750 MCM | 1000 MCM | 2 3/4 | 3 1/2 | 6 5/8 | 3 | 5 7/8 | 1/2 | 1/2 |
| UP2K200-21 | UP4K200-21 | 2 | #1 Str | 4/0 STR | 2 1/4 | 2 5/8 | 5 3/8 | 1 31/32 | 3 3/4 | 3/8 | 3/8 |
| UP2K200-30 | UP4K200-30 | 2 | 1/0 STR | 300 MCM | 2 1/4 | 2 3/4 | 5 1/2 | 2 1/16 | 4 | 3/8 | 3/8 |
| UP2K200-50 | UP4K200-50 | 2 | 300 MCM | 500 MCM | 2 1/4 | 3 | 5 3/4 | 2 1/4 | 4 3/8 | 3/8 | 3/8 |
| UP2K200-80 | UP4K200-80 | 2 | 500 MCM | 800 MCM | 2 3/4 | 3 1/4 | 6 1/2 | 2 27/32 | 5 1/2 | 1/2 | 1/2 |
| UP2K200-100 | UP4K200-100 | 2 | 750 MCM | 1000 MCM | 2 3/4 | 3 1/2 | 6 3/4 | 3 | 5 7/8 | 1/2 | 1/2 |
| UP2K200-150 | UP4K200-150 | 2 | 1000 MCM | 1500 MCM | 2 3/4 | 4 | 7 1/4 | 3 1/4 | 6 5/8 | 1/2 | 1/2 |
| UP2K250-30 | UP4K250-30 | 2 1/2 | 1/0 STR | 300 MCM | 2 1/4 | 2 3/4 | 5 1/2 | 2 1/16 | 4 | 3/8 | 3/8 |
| UP2K250-50 | UP4K250-50 | 2 1/2 | 300 MCM | 500 MCM | 2 1/4 | 3 | 5 3/4 | 2 1/4 | 4 3/8 | 3/8 | 3/8 |
| UP2K250-80 | UP4K250-80 | 2 1/2 | 500 MCM | 800 MCM | 2 3/4 | 3 1/4 | 6 1/2 | 2 27/32 | 5 1/2 | 1/2 | 1/2 |
| UP2K250-100 | UP4K250-100 | 2 1/2 | 750 MCM | 1000 MCM | 2 3/4 | 3 1/2 | 6 3/4 | 3 | 5 7/8 | 1/2 | 1/2 |
| UP2K250-150 | UP4K250-150 | 2 1/2 | 1000 MCM | 1500 MCM | 2 3/4 | 4 | 7 1/4 | 3 1/4 | 6 5/8 | 1/2 | 1/2 |
| UP2K300-30 | UP4K300-30 | 3 | 1/0 STR | 300 MCM | 2 1/4 | 2 3/4 | 5 1/2 | 2 1/16 | 4 | 3/8 | 3/8 |
| UP2K300-50 | UP4K300-50 | 3 | 300 MCM | 500 MCM | 2 1/4 | 3 | 5 3/4 | 2 1/4 | 4 3/8 | 3/8 | 3/8 |
| UP2K300-80 | UP4K300-80 | 3 | 500 MCM | 800 MCM | 2 3/4 | 3 1/4 | 6 1/2 | 2 27/32 | 5 1/2 | 1/2 | 1/2 |
| UP2K300-100 | UP4K300-100 | 3 | 750 MCM | 1000 MCM | 2 3/4 | 3 1/2 | 6 3/4 | 3 | 5 7/8 | 1/2 | 1/2 |
| UP2K300-150 | UP4K300-150 | 3 | 1000 MCM | 1500 MCM | 2 3/4 | 4 | 7 1/4 | 3 1/4 | 6 5/8 | 1/2 | 1/2 |
| UP2K350-30 | UP4K350-30 | 3 1/2 | 1/0 STR | 300 MCM | 2 1/4 | 2 3/4 | 5 1/2 | 2 1/16 | 4 | 3/8 | 3/8 |
| UP2K350-50 | UP4K350-50 | 3 1/2 | 300 MCM | 500 MCM | 2 1/4 | 3 | 5 3/4 | 2 1/4 | 4 3/8 | 3/8 | 3/8 |
| UP2K350-80 | UP4K350-80 | 3 1/2 | 500 MCM | 800 MCM | 2 3/4 | 3 1/4 | 6 1/2 | 2 27/32 | 5 1/2 | 1/2 | 1/2 |
| UP2K350-100 | UP4K350-100 | 3 1/2 | 750 MCM | 1000 MCM | 2 3/4 | 3 1/2 | 6 3/4 | 3 | 5 7/8 | 1/2 | 1/2 |
| UP2K350-150 | UP4K350-150 | 3 1/2 | 1000 MCM | 1500 MCM | 2 3/4 | 4 | 7 1/4 | 3 1/4 | 6 5/8 | 1/2 | 1/2 |
| UP2K400-30 | UP4K400-30 | 4 | 1/0 STR | 300 MCM | 2 1/4 | 2 3/4 | 5 1/2 | 2 1/16 | 4 | 3/8 | 3/8 |
| UP2K400-50 | UP4K400-50 | 4 | 300 MCM | 500 MCM | 2 1/2 | 3 | 5 3/4 | 2 1/4 | 4 3/8 | 3/8 | 3/8 |
| UP2K400-80 | UP4K400-80 | 4 | 500 MCM | 800 MCM | 2 3/4 | 3 1/4 | 6 1/2 | 2 27/32 | 5 1/2 | 1/2 | 1/2 |
| UP2K400-100 | UP4K400-100 | 4 | 750 MCM | 1000 MCM | 2 3/4 | 3 1/2 | 6 3/4 | 3 | 5 7/8 | 1/2 | 1/2 |
| UP2K400-150 | UP4K400-150 | 4 | 1000 MCM | 1500 MCM | 2 3/4 | 4 | 7 1/4 | 3 1/4 | 6 5/8 | 1/2 | 1/2 |

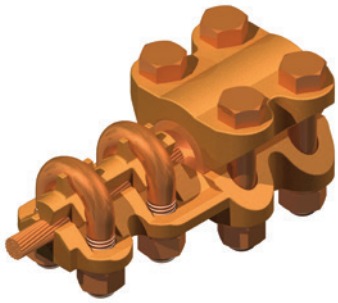


© 2011, AFL, all rights reserved. PP-3-00507, Revision 1, 8.2.13
Specifications are subject to change without notice.

# DOSSERT®

## TYPE UPK

### Copper U-Bolt Coupler for Pipe to Cable



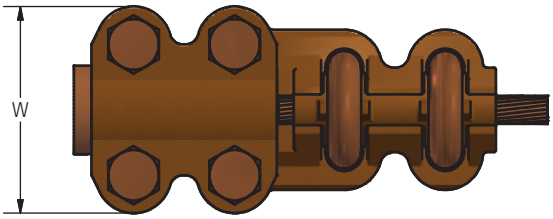
A U-bolt cable to pipe coupler. Made of high conductivity copper alloy and designed for rugged service. The variable U-bolt feature makes it possible for a connector for a given pipe size to accommodate individually several different cable sizes.

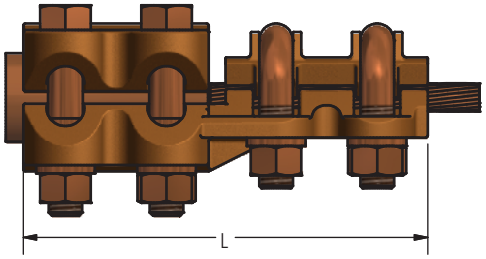
**Material**

Copper Alloy

**Hardware**

Everdur bolts, nuts, lockwashers, and U-bolts




## Ordering Information

| CATALOG NUMBER | SPS | CABLE RANGE | | DIMENSIONS IN INCHES | | BOLT DIAMETER | |
|---|---|---|---|---|---|---|---|
| | | MIN | MAX | L | W | PIPE | CABLE |
| UPK50-13 | 1/2 | 6 Str | 2/0 STR | 4 | 2 7/32 | 3/8 | 3/8 |
| UPK50-21 | 1/2 | 1 Str | 4/0 STR | 4 1/8 | 2 7/32 | 3/8 | 3/8 |
| UPK50-30 | 1/2 | 1/0 STR | 300 MCM | 4 1/4 | 2 7/32 | 3/8 | 3/8 |
| UPK75-13 | 3/4 | 6 Str | 2/0 STR | 4 1/4 | 2 7/16 | 3/8 | 3/8 |
| UPK75-21 | 3/4 | 1 Str | 4/0 STR | 4 3/8 | 2 7/16 | 3/8 | 3/8 |
| UPK75-30 | 3/4 | 1/0 STR | 300 MCM | 4 1/2 | 2 7/16 | 3/8 | 3/8 |
| UPK75-50 | 3/4 | 300 MCM | 500 MCM | 4 3/4 | 2 7/16 | 3/8 | 3/8 |
| UPK100-13 | 1 Str | - | 2/0 STR | 4 1/4 | 2 11/16 | 3/8 | 3/8 |
| UPK100-21 | 1 Str | 1 Str | 4/0 STR | 4 3/8 | 2 11/16 | 3/8 | 3/8 |
| UPK100-30 | 1 Str | 1/0 STR | 300 MCM | 4 1/2 | 2 11/16 | 3/8 | 3/8 |
| UPK100-50 | 1 Str | 300 MCM | 500 MCM | 4 7/8 | 2 11/16 | 3/8 | 3/8 |
| UPK100-80 | 1 Str | 500 MCM | 800 MCM | 5 3/4 | 2 11/16 | 3/8 | 1/2 |
| UPK125-13 | 1 1/4 | 6 Str | 2/0 STR | 4 3/8 | 3 1/2 | 3/8 | 3/8 |
| UPK125-21 | 1 1/4 | 1 Str | 4/0 STR | 4 1/2 | 3 1/2 | 3/8 | 3/8 |
| UPK125-30 | 1 1/4 | 1/0 STR | 300 MCM | 4 5/8 | 3 1/2 | 3/8 | 3/8 |
| UPK125-50 | 1 1/4 | 300 MCM | 500 MCM | 4 7/8 | 3 1/2 | 3/8 | 3/8 |
| UPK125-80 | 1 1/4 | 500 MCM | 800 MCM | 6 Str | 3 1/2 | 1/2 | 1/2 |
| UPK125-100 | 1 1/4 | 750 MCM | 1000 MCM | 6 1/4 | 3 1/2 | 1/2 | 1/2 |
| UPK150-21 | 1 1/2 | 1 Str | 4/0 STR | 4 5/8 | 3 3/4 | 3/8 | 3/8 |
| UPK150-30 | 1 1/2 | 1/0 STR | 300 MCM | 4 3/4 | 3 3/4 | 3/8 | 3/8 |
| UPK150-50 | 1 1/2 | 300 MCM | 500 MCM | 5 | 3 3/4 | 3/8 | 3/8 |
| UPK150-80 | 1 1/2 | 500 MCM | 800 MCM | 6 1/2 | 3 3/4 | 1/2 | 1/2 |
| UPK1 50-1 00 | 1 1/2 | 750 MCM | 1000 MCM | 6 3/4 | 3 3/4 | 1/2 | 1/2 |
| UPK200-21 | 2 | 1 Str | 4/0 STR | 4 5/8 | 4 3/16 | 3/8 | 3/8 |
| UPK200-30 | 2 | 1/0 STR | 300 MCM | 4 3/4 | 4 3/16 | 3/8 | 3/8 |
| UPK200-50 | 2 | 300 MCM | 500 MCM | 5 | 4 3/16 | 3/8 | 3/8 |
| UPK200-80 | 2 | 500 MCM | 800 MCM | 6 3/4 | 4 3/16 | 1/2 | 1/2 |
| UPK200-100 | 2 | 750 MCM | 1000 MCM | 6 3/4 | 4 3/16 | 1/2 | 1/2 |
| UPK200-150 | 2 | 1000 MCM | 1500 MCM | 7 1/4 | 4 3/16 | 1/2 | 1/2 |
| UPK250-21 | 2 1/2 | 1 Str | 4/0 STR | 4 5/8 | 4 11/16 | 3/8 | 3/8 |
| UPK250-30 | 2 1/2 | 1/0 STR | 300 MCM | 4 3/4 | 4 11/16 | 3/8 | 3/8 |
| UPK250-50 | 2 1/2 | 300 MCM | 500 MCM | 5 | 4 11/16 | 3/8 | 3/8 |
| UPK250-80 | 2 1/2 | 500 MCM | 800 MCM | 6 1/2 | 4 11/16 | 1/2 | 1/2 |
| UPK250-100 | 2 1/2 | 750 MCM | 1000 MCM | 6 3/4 | 4 11/16 | 1/2 | 1/2 |
| UPK250-150 | 2 1/2 | 1000 MCM | 1500 MCM | 7 1/4 | 4 11/16 | 1/2 | 1/2 |
| UPK300-30 | 3 | 1/0 STR | 300 MCM | 4 3/4 | 5 3/4 | 3/8 | 3/8 |
| UPK300-50 | 3 | 300 MCM | 500 MCM | 5 | 5 3/4 | 3/8 | 3/8 |
| UPK300-80 | 3 | 500 MCM | 800 MCM | 6 3/4 | 5 3/4 | 1/2 | 1/2 |
| UPK300-100 | 3 | 750 MCM | 1000 MCM | 7 | 5 3/4 | 1/2 | 1/2 |
| UPK300-150 | 3 | 1000 MCM | 1500 MCM | 7 1/4 | 5 3/4 | 1/2 | 1/2 |
| UPK400-30 | 4 | 1/0 STR | 300 MCM | 4 3/4 | 6 3/4 | 3/8 | 3/8 |
| UPK400-50 | 4 | 300 MCM | 500 MCM | 5 | 6 3/4 | 3/8 | 3/8 |
| UPK400-80 | 4 | 500 MCM | 800 MCM | 6 3/4 | 6 3/4 | 1/2 | 1/2 |
| UPK400-100 | 4 | 750 MCM | 1000 MCM | 7 | 6 3/4 | 1/2 | 1/2 |
| UPK400-150 | 4 | 1000 MCM | 1500 MCM | 7 1/2 | 6 3/4 | 1/2 | 1/2 |
| UPK400-200 | 4 | 1500 MCM | 2000 MCM | 8 | 6 3/4 | 1/2 | 1/2 |

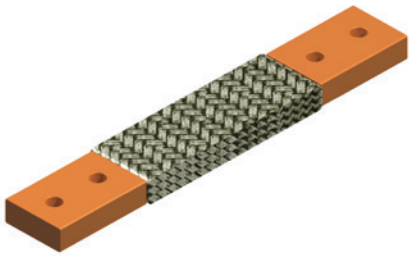


© 2011, AFL, all rights reserved. PP-3-00509, Revision 0, 2.21.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE CF-N (NEMA Pad Sizes)

### Flexible Copper Braid



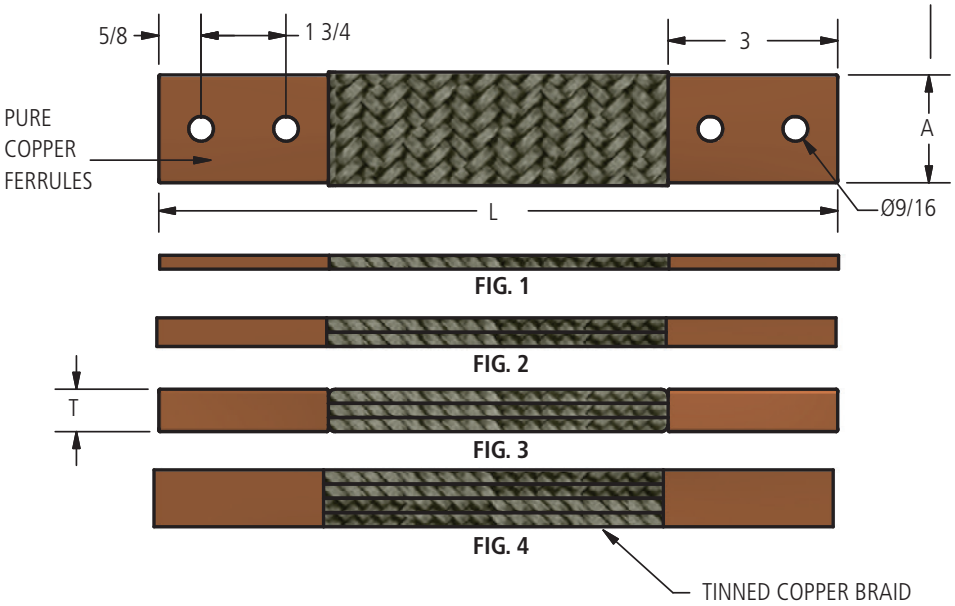
Flexible copper braid for linking conductors that are subject to motion. The braid is tin plated copper wire, terminated at each end by a non-plated copper pad.

### Material

Copper Alloy

### Notes

- Braid may be custom made for any configuration of length, pad size and hole diameter.
- For Electro Tin Plate, add suffix "-SN" to end of catalog number. Ex: CF771-10-N-SN
- For Undrilled Pad, add suffix "-U" to pad size in catalog number. Ex: CF772-16-N-U




## Ordering Information

| CATALOG NUMBER | FIG. NO. | INDOOR AMPERE RATING* | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|---|
| | | | A | L | T |
| CF 724-12-N | 4 | 520 | 1 1/2 | 12 | 1/4 |
| CF 771-10-N | 1 | 190 | 1 | 10 | 3/16 |
| CF 771-16-N | 1 | 190 | 1 | 16 | 3/16 |
| CF 771-18-N | 1 | 190 | 1 | 18 | 3/16 |
| CF 771-20-N | 1 | 190 | 1 | 20 | 3/16 |
| CF 771-24-N | 1 | 190 | 1 | 24 | 3/16 |
| CF 771-36-N | 1 | 190 | 1 | 36 | 3/16 |
| CF 772-16-N | 2 | 330 | 1 | 16 | 1/4 |
| CF 772-18-N | 2 | 330 | 1 | 18 | 1/4 |
| CF 772-20-N | 2 | 330 | 1 | 20 | 1/4 |
| CF 772-21-N | 2 | 330 | 1 | 21 | 1/4 |
| CF 772-24-N | 2 | 330 | 1 | 24 | 1/4 |
| CF 772-30-N | 2 | 330 | 1 | 30 | 1/4 |
| CF 773-15-N | 3 | 470 | 1 | 15 | 5/16 |
| CF 773-16-N | 3 | 470 | 1 | 16 | 5/16 |
| CF 773-18-N | 3 | 470 | 1 | 18 | 5/16 |
| CF 773-20-N | 3 | 470 | 1 | 20 | 5/16 |
| CF 773-24-N | 3 | 470 | 1 | 24 | 5/16 |

***Note:** A.C. Ampere ratings in still but confined air for maximum temperature rise 30°C above 40°C ambient with major surfaces of braid in horizontal position.



© 2011, AFL, all rights reserved. PP-3-00279, Revision 2, 3.6.17
Specifications are subject to change without notice.

# DOSSERT®

## TYPE CF-N (NEMA Pad Sizes)

**Flexible Copper Braid**

### Ordering Information

| CATALOG NUMBER | FIG. NO. | INDOOR AMPERE RATING* | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|---|
| | | | A | L | T |
| CF 774-16-N | 4 | 600 | 1 | 16 | 3/8 |
| CF 774-18-N | 4 | 600 | 1 | 18 | 3/8 |
| CF 774-20-N | 4 | 600 | 1 | 20 | 3/8 |
| CF 774-24-N | 4 | 600 | 1 | 24 | 3/8 |
| CF 1051-16-N | 1 | 255 | 1 1/2 | 16 | 5/32 |
| CF 1051-18-N | 1 | 255 | 1 1/2 | 18 | 5/32 |
| CF 1051-20-N | 1 | 255 | 1 1/2 | 20 | 5/32 |
| CF 1051-24-N | 1 | 255 | 1 1/2 | 24 | 5/32 |
| CF 1052-16-N | 2 | 360 | 1 1/2 | 16 | 7/32 |
| CF 1052-18-N | 2 | 360 | 1 1/2 | 18 | 7/32 |
| CF 1052-20-N | 2 | 360 | 1 1/2 | 20 | 7/32 |
| CF 1052-24-N | 2 | 360 | 1 1/2 | 24 | 7/32 |
| CF 1053-16-N | 3 | 570 | 1 1/2 | 16 | 9/32 |
| CF 1053-18-N | 3 | 570 | 1 1/2 | 18 | 9/32 |
| CF 1053-20-N | 3 | 570 | 1 1/2 | 20 | 9/32 |
| CF 1053-24-N | 3 | 570 | 1 1/2 | 24 | 9/32 |
| CF 1054-16-N | 4 | 650 | 1 1/2 | 16 | 11/32 |
| CF 1054-18-N | 4 | 650 | 1 1/2 | 18 | 11/32 |
| CF 1054-20-N | 4 | 650 | 1 1/2 | 20 | 11/32 |
| CF 1054-24-N | 4 | 650 | 1 1/2 | 24 | 11/32 |
| CF 1541-16-N | 1 | 340 | 1 1/2 | 16 | 3/16 |
| CF 1541-18-N | 1 | 340 | 1 1/2 | 18 | 3/16 |
| CF 1541-20-N | 1 | 340 | 1 1/2 | 20 | 3/16 |
| CF 1541-24-N | 1 | 340 | 1 1/2 | 24 | 3/16 |
| CF 1542-16-N | 2 | 530 | 1 1/2 | 16 | 1/4 |
| CF 1542-18-N | 2 | 530 | 1 1/2 | 18 | 1/4 |
| CF 1542-20-N | 2 | 530 | 1 1/2 | 20 | 1/4 |
| CF 1542-24-N | 2 | 530 | 1 1/2 | 24 | 1/4 |
| CF 1542-25-N | 2 | 530 | 1 1/2 | 25 | 1/4 |
| CF 1542-36-N | 2 | 530 | 1 1/2 | 36 | 1/4 |
| CF 1543-16-N | 3 | 700 | 1 1/2 | 16 | 5/16 |
| CF 1543-18-N | 3 | 700 | 1 1/2 | 18 | 5/16 |
| CF 1543-20-N | 3 | 700 | 1 1/2 | 20 | 5/16 |
| CF 1543-21-N | 3 | 700 | 1 1/2 | 21 | 5/16 |
| CF 1543-23-N | 3 | 700 | 1 1/2 | 23 | 5/16 |
| CF 1543-24-N | 3 | 700 | 1 1/2 | 24 | 5/16 |
| CF 1544-16-N | 4 | 850 | 1 1/2 | 16 | 13/32 |
| CF 1544-16 1/2-N | 4 | 850 | 1 1/2 | 16 1/2 | 13/32 |
| CF 1544-18-N | 4 | 850 | 1 1/2 | 18 | 13/32 |
| CF 1544-20-N | 4 | 850 | 1 1/2 | 20 | 13/32 |
| CF 1544-24-N | 4 | 850 | 1 1/2 | 24 | 13/32 |
| CF 2301-16-N | 1 | 360 | 1 1/2 | 16 | 1/4 |
| CF 2301-18-N | 1 | 360 | 1 1/2 | 18 | 1/4 |
| CF 2301-20-N | 1 | 360 | 1 1/2 | 20 | 1/4 |
| CF 2301-24-N | 1 | 360 | 1 1/2 | 24 | 1/4 |
| CF 2301-30-N | 1 | 360 | 1 1/2 | 30 | 1/4 |
| CF 2302-9-N | 2 | 600 | 1 1/2 | 9 | 3/8 |
| CF 2302-16-N | 2 | 600 | 1 1/2 | 16 | 3/8 |
| CF 2302-18-N | 2 | 600 | 1 1/2 | 18 | 3/8 |
| CF 2302-20-N | 2 | 600 | 1 1/2 | 20 | 3/8 |
| CF 2302-24-N | 2 | 600 | 1 1/2 | 24 | 3/8 |
| CF 2302-25-N | 2 | 600 | 1 1/2 | 25 | 3/8 |
| CF 2302-30-N | 2 | 600 | 1 1/2 | 30 | 3/8 |
| CF 2303-15-N | 3 | 820 | 1 1/2 | 15 | 1/2 |
| CF 2303-16-N | 3 | 820 | 1 1/2 | 16 | 1/2 |
| CF 2303-18-N | 3 | 820 | 1 1/2 | 18 | 1/2 |
| CF 2303-20-N | 3 | 820 | 1 1/2 | 20 | 1/2 |
| CF 2303-22-N | 3 | 820 | 1 1/2 | 22 | 1/2 |
| CF 2303-24-N | 3 | 820 | 1 1/2 | 24 | 1/2 |
| CF 2303-25-N | 3 | 820 | 1 1/2 | 25 | 1/2 |
| CF 2304-15 1/2-N | 4 | 1000 | 1 1/2 | 15 1/2 | 13/16 |
| CF 2304-16-N | 4 | 1000 | 1 1/2 | 16 | 13/16 |

***Note:** A.C. Ampere ratings in still but confined air for maximum temperature rise 30°C above 40°C ambient with major surfaces of braid in horizontal position.





© 2011, AFL, all rights reserved. PP-3-00279, Revision 2, 3.6.17
Specifications are subject to change without notice.

# DOSSERT®

## TYPE CF-N (NEMA Pad Sizes)

**Flexible Copper Braid**



### Ordering Information

| CATALOG NUMBER | FIG. NO. | INDOOR AMPERE RATING* | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|---|
| | | | A | L | T |
| CF 2304-18-N | 4 | 1000 | 1 1/2 | 18 | 13/16 |
| CF 2304-20-N | 4 | 1000 | 1 1/2 | 20 | 13/16 |
| CF 2304-24-N | 4 | 1000 | 1 1/2 | 24 | 13/16 |
| CF 2304-36-N | 4 | 1000 | 1 1/2 | 36 | 13/16 |
| CF 2304-42-N | 4 | 1000 | 1 1/2 | 42 | 13/16 |
| CF 3021-9 1/2-N | 1 | 415 | 1 1/2 | 9 1/2 | 5/16 |
| CF3021-14-N | 1 | 415 | 1 1/2 | 14 | 5/16 |
| CF 3021-16-N | 1 | 415 | 1 1/2 | 16 | 5/16 |
| CF 3021-18-N | 1 | 415 | 1 1/2 | 18 | 5/16 |
| CF 3021-20-N | 1 | 415 | 1 1/2 | 20 | 5/16 |
| CF 3201-24-N | 1 | 415 | 1 1/2 | 24 | 5/16 |
| CF 3021-27-N | 1 | 415 | 1 1/2 | 27 | 5/16 |
| CF 3022-9 3/4-N | 2 | 700 | 1 1/2 | 9 3/4 | 1/2 |
| CF 3022-10 1/2-N | 2 | 700 | 1 1/2 | 10 1/2 | 1/2 |
| CF 3022-14-N | 2 | 700 | 1 1/2 | 14 | 1/2 |
| CF 3022-16-N | 2 | 700 | 1 1/2 | 16 | 1/2 |
| CF 3022-18-N | 2 | 700 | 1 1/2 | 18 | 1/2 |
| CF 3022-20-N | 2 | 700 | 1 1/2 | 20 | 1/2 |
| CF 3022-24-N | 2 | 700 | 1 1/2 | 24 | 1/2 |
| CF 3022-30-N | 2 | 700 | 1 1/2 | 30 | 1/2 |
| CF 3022-60-N | 2 | 700 | 1 1/2 | 60 | 1/2 |
| CF 3023-16-N | 3 | 960 | 1 1/2 | 16 | 13/16 |
| CF 3023-18-N | 3 | 960 | 1 1/2 | 18 | 13/16 |
| CF 3023-20-N | 3 | 960 | 1 1/2 | 20 | 13/16 |
| CF 3023-24-N | 3 | 960 | 1 1/2 | 24 | 13/16 |
| CF 3024-14-N | 4 | 1200 | 1 1/2 | 14 | 15/16 |
| CF 3024-16-N | 4 | 1200 | 1 1/2 | 16 | 15/16 |
| CF 3024-18-N | 4 | 1200 | 1 1/2 | 18 | 15/16 |
| CF 3024-20-N | 4 | 1200 | 1 1/2 | 20 | 15/16 |
| CF 3024-24-N | 4 | 1200 | 1 1/2 | 24 | 15/16 |
| CF 3024-28-N | 4 | 1200 | 1 1/2 | 28 | 15/16 |
| CF 3024-29-N | 4 | 1200 | 1 1/2 | 29 | 15/16 |
| CF 3024-64-N | 4 | 1200 | 1 1/2 | 64 | 15/16 |

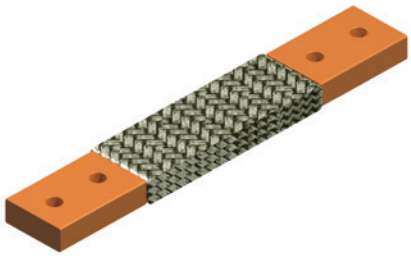
***Note:** A.C. Ampere ratings in still but confined air for maximum temperature rise 30°C above 40°C ambient with major surfaces of braid in horizontal position.



© 2011, AFL, all rights reserved. PP-3-00279, Revision 2, 3.6.17
Specifications are subject to change without notice.

# DOSSERT®

## TYPE CF
### Flexible Copper Braid



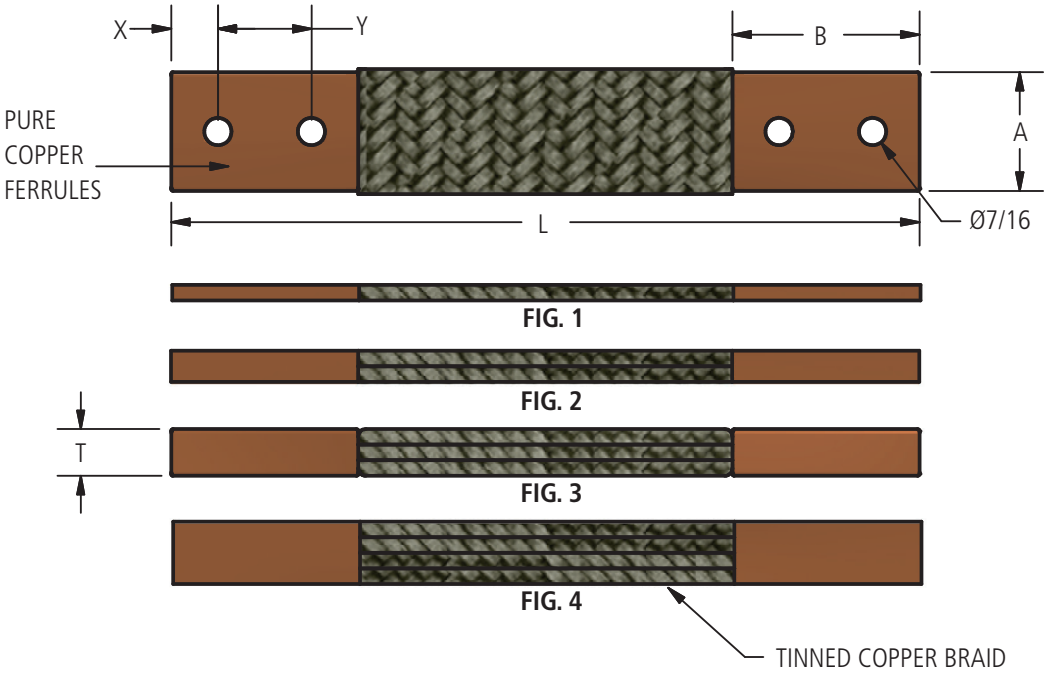
Flexible copper braid for linking conductors that are subject to motion. The braid is tin plated copper wire, terminated at each end by a non-plated pad.

### Material

Copper

### Note

- Braid may be custom made for any configuration of length, pad size or hole diameter.
- For tin plated contact pads add suffix "-SN" to end of catalog number. Ex: CF771-SN
- For undrilled contact pads add suffix "-U" to end of catalog number. Ex: CF771-U
- For undrilled contact pads and tin plated pads, add suffix "-U-SN" to end of catalog number. Ex: CF771-U-SN








© 2011, AFL, all rights reserved. PP-3-00277, Revision 0, 2.24.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE CF

### Flexible Copper Braid

## Ordering Information

| CATALOG NUMBER | CIRCULAR MIL AREA | FIGURE NO. | INDOOR AMPERE RATING* | DIMENSIONS IN INCHES | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | L | T | X | Y |
| CF771 | 76,800 | 1 | 190 | 1 | 2 5/8 | 12 | 3/16 | 11/16 | 1 1/4 |
| CF771-7 | 76,800 | 1 | 190 | 1 | 2 5/8 | 7 | 3/16 | 11/16 | 1 1/4 |
| CF771-10 | 76,800 | 1 | 190 | 1 | 2 5/8 | 10 | 3/16 | 11/16 | 1 1/4 |
| CF771-11 | 76,800 | 1 | 190 | 1 | 2 5/8 | 11 | 3/16 | 11/16 | 1 1/4 |
| CF771-15 | 76,800 | 1 | 190 | 1 | 2 5/8 | 15 | 3/16 | 11/16 | 1 1/4 |
| CF771-18 | 76,800 | 1 | 190 | 1 | 2 5/8 | 18 | 3/16 | 11/16 | 1 1/4 |
| CF771-20 | 76,800 | 1 | 190 | 1 | 2 5/8 | 20 | 3/16 | 11/16 | 1 1/4 |
| CF771-24 | 76,800 | 1 | 190 | 1 | 2 5/8 | 24 | 3/16 | 11/16 | 1 1/4 |
| CF771-36 | 76,800 | 1 | 190 | 1 | 2 5/8 | 36 | 3/16 | 11/16 | 1 1/4 |
| CF772 | 153,600 | 2 | 330 | 1 | 2 5/8 | 12 | 1/4 | 11/16 | 1 1/4 |
| CF772-10 | 153,600 | 2 | 330 | 1 | 2 5/8 | 10 | 1/4 | 11/16 | 1 1/4 |
| CF772-18 | 153,600 | 2 | 330 | 1 | 2 5/8 | 18 | 1/4 | 11/16 | 1 1/4 |
| CF773 | 230,400 | 3 | 470 | 1 | 2 5/8 | 12 | 5/16 | 11/16 | 1 1/4 |
| CF774-14 | 230,400 | 4 | 600 | 1 | 2 5/8 | 14 | 5/16 | 11/16 | 1 1/4 |
| CF774-16 | 230,400 | 4 | 600 | 1 | 2 5/8 | 16 | 5/16 | 11/16 | 1 1/4 |
| CF774-19 21/32 | 230,400 | 4 | 600 | 1 | 2 5/8 | 19 21/32 | 5/16 | 11/16 | 1 1/4 |
| CF774-24 | 230,400 | 4 | 600 | 1 | 2 5/8 | 24 | 5/16 | 11/16 | 1 1/4 |
| CF1541 | 153,600 | 1 | 340 | 1 1/2 | 3 | 12 | 3/16 | 3/4 | 1 1/2 |
| CF1541-18 | 153,600 | 1 | 340 | 1 1/2 | 3 | 18 | 3/16 | 3/4 | 1 1/2 |
| CF1541-24 | 153,600 | 1 | 340 | 1 1/2 | 3 | 24 | 3/16 | 3/4 | 1 1/2 |
| CF1542 | 307,200 | 2 | 530 | 1 1/2 | 3 | 12 | 1/4 | 3/4 | 1 1/2 |
| CF1542-18 | 307,200 | 2 | 530 | 1 1/2 | 3 | 18 | 1/4 | 3/4 | 1 1/2 |
| CF1542-22 | 307,200 | 2 | 530 | 1 1/2 | 3 | 22 | 1/4 | 3/4 | 1 1/2 |
| CF1542-24 | 307,200 | 2 | 530 | 1 1/2 | 3 | 24 | 1/4 | 3/4 | 1 1/2 |
| CF1543 | 460,800 | 3 | 700 | 1 1/2 | 3 | 12 | 5/16 | 3/4 | 1 1/2 |
| CF1543-14 | 460,800 | 3 | 700 | 1 1/2 | 3 | 14 | 5/16 | 3/4 | 1 1/2 |
| CF1543-14 1/2 | 460,800 | 3 | 700 | 1 1/2 | 3 | 14 1/2 | 5/16 | 3/4 | 1 1/2 |
| CF1543-16 | 460,800 | 3 | 700 | 1 1/2 | 3 | 16 | 5/16 | 3/4 | 1 1/2 |
| CF1543-18 | 460,800 | 3 | 700 | 1 1/2 | 3 | 18 | 5/16 | 3/4 | 1 1/2 |
| CF1543-20 | 460,800 | 3 | 700 | 1 1/2 | 3 | 20 | 5/16 | 3/4 | 1 1/2 |
| CF1543-24 | 460,800 | 3 | 700 | 1 1/2 | 3 | 24 | 5/16 | 3/4 | 1 1/2 |
| CF1543-28 | 460,800 | 3 | 700 | 1 1/2 | 3 | 28 | 5/16 | 3/4 | 1 1/2 |
| CF1543-30 | 460,800 | 3 | 700 | 1 1/2 | 3 | 30 | 5/16 | 3/4 | 1 1/2 |
| CF1543-36 | 460,800 | 3 | 700 | 1 1/2 | 3 | 36 | 5/16 | 3/4 | 1 1/2 |
| CF1544-10 | 616,000 | 4 | 850 | 1 1/2 | 3 | 10 | 13/32 | 3/4 | 1 1/2 |
| CF2301 | 230,400 | 1 | 360 | 1 1/2 | 3 | 12 | 1/4 | 3/4 | 1 1/2 |
| CF2301-18 | 230,400 | 1 | 360 | 1 1/2 | 3 | 18 | 1/4 | 3/4 | 1 1/2 |
| CF2302 | 460,800 | 2 | 600 | 1 1/2 | 3 | 12 | 3/8 | 3/4 | 1 1/2 |
| CF2303 | 691,200 | 3 | 820 | 1 1/2 | 3 | 12 | 1/2 | 3/4 | 1 1/2 |
| CF2303-18 | 691,200 | 3 | 820 | 1 1/2 | 3 | 18 | 1/2 | 3/4 | 1 1/2 |
| CF2303-20 | 691,200 | 3 | 820 | 1 1/2 | 3 | 20 | 1/2 | 3/4 | 1 1/2 |
| CF2303-24 | 691,200 | 3 | 820 | 1 1/2 | 3 | 24 | 1/2 | 3/4 | 1 1/2 |
| CF3021 | 302,400 | 1 | 415 | 1 1/2 | 3 | 12 | 5/16 | 3/4 | 1 1/2 |
| CF3021-18 | 302,400 | 1 | 415 | 1 1/2 | 3 | 18 | 5/16 | 3/4 | 1 1/2 |
| CF3021-24 | 302,400 | 1 | 415 | 1 1/2 | 3 | 24 | 5/16 | 3/4 | 1 1/2 |
| CF3021-30 | 302,400 | 1 | 415 | 1 1/2 | 3 | 30 | 5/16 | 3/4 | 1 1/2 |
| CF3022 | 604,800 | 2 | 700 | 1 1/2 | 3 | 12 | 1/2 | 3/4 | 1 1/2 |
| CF3022-14 | 604,800 | 2 | 700 | 1 1/2 | 3 | 14 | 1/2 | 3/4 | 1 1/2 |
| CF3022-19 | 604,800 | 2 | 700 | 1 1/2 | 3 | 19 | 1/2 | 3/4 | 1 1/2 |
| CF3022-20 | 604,800 | 2 | 700 | 1 1/2 | 3 | 20 | 1/2 | 3/4 | 1 1/2 |
| CF3022-24 | 604,800 | 2 | 700 | 1 1/2 | 3 | 24 | 1/2 | 3/4 | 1 1/2 |
| CF3022-30 | 604,800 | 2 | 700 | 1 1/2 | 3 | 30 | 1/2 | 3/4 | 1 1/2 |
| CF3023 | 907,200 | 3 | 960 | 1 1/2 | 3 | 12 | 11/16 | 3/4 | 1 1/2 |
| CF3023-22 | 907,200 | 3 | 960 | 1 1/2 | 3 | 22 | 11/16 | 3/4 | 1 1/2 |
| CF3023-24 | 907,200 | 3 | 960 | 1 1/2 | 3 | 24 | 11/16 | 3/4 | 1 1/2 |
| CF3023-30 | 907,200 | 3 | 960 | 1 1/2 | 3 | 30 | 11/16 | 3/4 | 1 1/2 |
| CF3024-48 | 1,209,600 | 4 | 1200 | 1 1/2 | 3 | 48 | 15/16 | 3/4 | 1 1/2 |

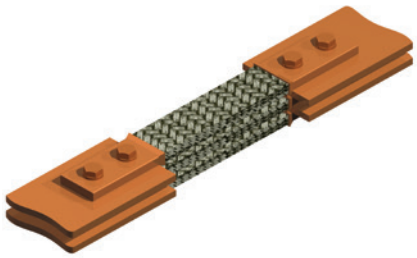
***Note:** A.C. Ampere ratings in still but confined air for maximum temperature rise 30°C above 40°C ambient with major surfaces of braid in horizontal position.



© 2011, AFL, all rights reserved. PP-3-00277, Revision 0, 2.24.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE CFC
### Flexible Copper Braid



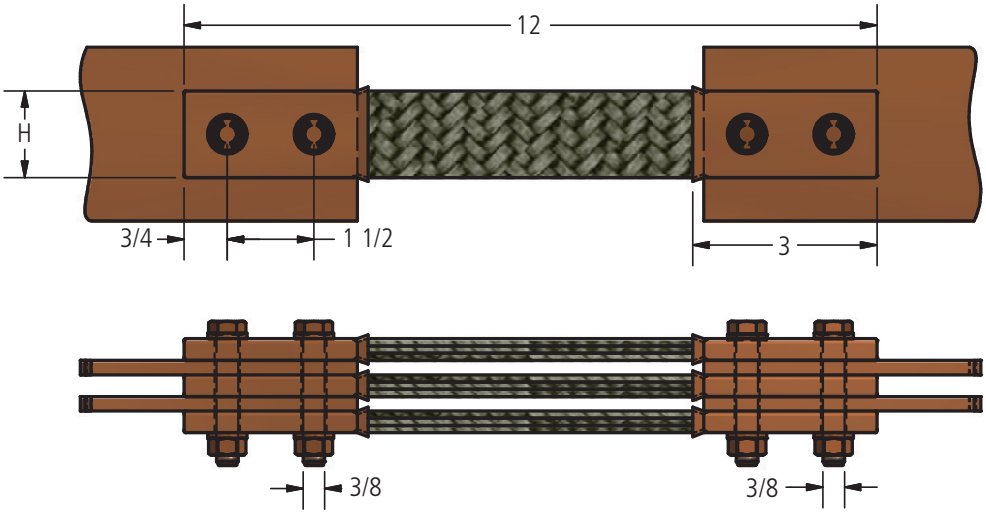
Composite flexible copper braid for linking conductors that are subject to motion. The braid is tin plated copper wire, terminated at each end by a non-plated pad.

### Material

Copper

### Note

- Braid may be custom made for any configuration of length, pad size or hole diameter.
- For tin plated contact pads add suffix "-SN" to end of catalog number. Ex: CFC1-2-SN
- For undrilled contact pads add suffix "-U" to end of catalog number. Ex: CF771-U




## Ordering Information

| CATALOG NUMBER | NUMBER OF BARS | DIMENSIONS IN INCHES | | INDOOR AMPERE RATING* |
|---|---|---|---|---|
| | | WIDTH OF BARS | H | |
| CFC1-2 | 1 | 2 | 1 1/2 | 700 |
| CFC1-3 | 1 | 3 | 1 1/2 | 1000 |
| CFC1-4 | 1 | 4 | 1 1/2 | 1350 |
| CFC1-5 | 1 | 5 | 1 1/2 | 1600 |
| CFC2-2 | 2 | 2 | 2 | 1200 |
| CFC2-3 | 2 | 3 | 2 | 1650 |
| CFC2-4 | 2 | 4 | 2 1/2 | 2250 |
| CFC2-5 | 2 | 5 | 2 | 2650 |
| CFC3-2 | 3 | 2 | 2 1/2 | 1650 |
| CFC3-3 | 3 | 3 | 2 1/2 | 2000 |
| CFC3-4 | 3 | 4 | 2 3/4 | 2700 |
| CFC3-5 | 3 | 5 | 2 1/2 | 3200 |
| CFC4-2 | 4 | 2 | 2 1/2 | 1800 |
| CFC4-3 | 4 | 3 | 2 3/4 | 2250 |
| CFC4-4 | 4 | 4 | 3 1/2 | 3000 |
| CFC4-5 | 4 | 5 | 3 | 3500 |

***Note:** A.C. Ampere ratings in still but confined air for maximum temperature rise 30ºC above 40ºC ambient with major surfaces of braid in horizontal position.

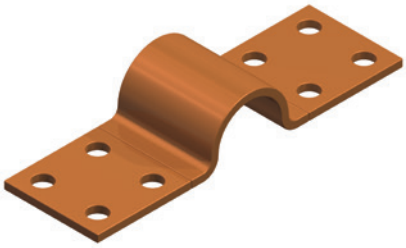


© 2011, AFL, all rights reserved. PP-3-00278, Revison 0, 2.24.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE LX

### Copper Flexible Connector For Flat to Flat



Laminated of pure copper, this flexible connector permits expansion and contraction due to thermal changes. Bonded ends assure uniform contact surfaces. Variations other than shown can be readily supplied.

### Material

Copper

### Note

- Braid may be custom made for any configuration of length, pad size or hole diameter.
- For tin plated contact pads add suffix "-SN" to end of catalog number. Ex: LX200-SN
- For undrilled contact pads add suffix "-U" to end of catalog number. Ex: LX200-U

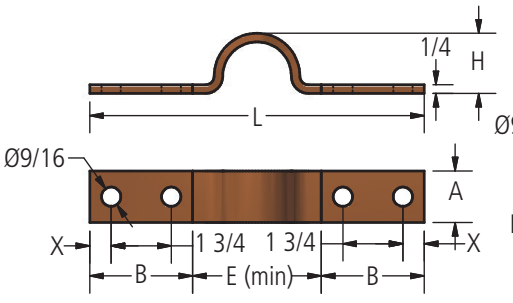



FIG. 1

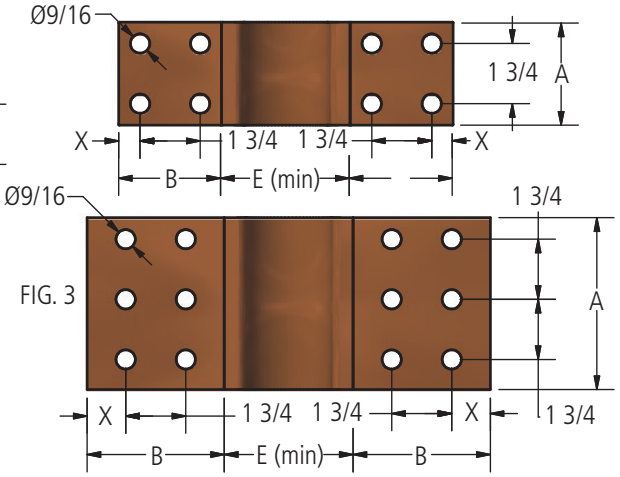



FIG. 3

FIG. 2

## Ordering Information

| CATALOG NUMBER | BAR WIDTH | INDOOR AMPERE RATING* | FIG. NO. | DIMENSIONS IN INCHES | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | E | H | L | X |
| LX100 | 1 | 366 | 1 | 1 | 3 | 2 1/4 | 1 | 8 | 5/8 |
| LX150 | 1 1/2 | 500 | 1 | 1 1/2 | 3 | 2 1/2 | 1 1/2 | 8 1/2 | 5/8 |
| LX200 | 2 | 647 | 1 | 2 | 3 | 3 1/2 | 1 1/2 | 9 1/2 | 5/8 |
| LX250 | 2 1/2 | 810 | 1 | 2 1/2 | 3 | 3 3/4 | 1 3/4 | 9 3/4 | 5/8 |
| LX300 | 3 | 973 | 2 | 3 | 3 | 4 | 1 3/4 | 10 | 5/8 |
| LX400 | 4 | 1220 | 2 | 4 | 4 | 4 | 2 | 12 | 1 1/8 |
| LX500 | 5 | 1460 | 3 | 5 | 4 | 4 1/4 | 2 | 12 1/4 | 1 1/8 |
| LX600 | 6 | 1660 | 3 | 6 | 4 | 4 1/4 | 2 1/4 | 12 1/4 | 1 1/8 |

***Note:** A.C. Ampere ratings in still but confined air for maximum temperature rise 30ºC above 40ºC ambient with major surfaces of braid in horizontal position.



© 2011, AFL, all rights reserved. PP-3-00384, Revision 0, 2.21.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE XC, XCP, XBP

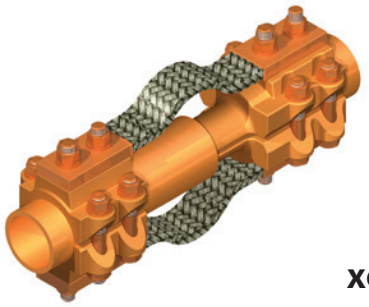
### Copper Expansion Coupling

**XC, XCP**

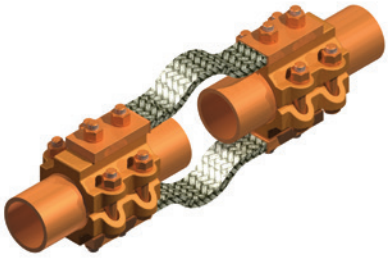
An expansion connector for coupling two standard pipe size tubular buses.

**XBP**

An expansion connector for coupling a run to a tap. Pipe size may be same SPS, or varying.



XC



XCP

### Material

Copper Alloy

### Alignment Guide

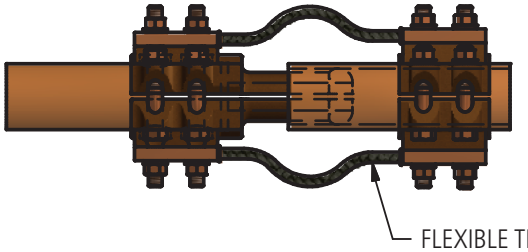
Copper Alloy

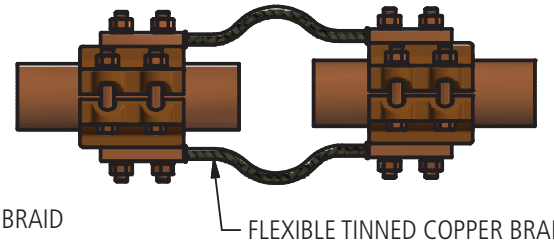
### Hardware

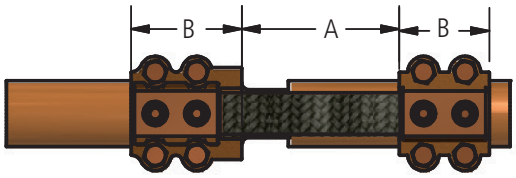
Everdur bolts, nuts, lockwashers and flat washers

### Notes

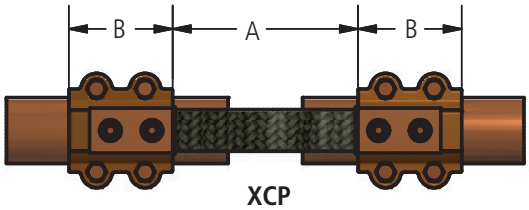
- For laminations add "L" to catalog number. Example: XCL100
- For extra heavy pipe size (Schedule 80), add (E) to pipe size. Example: XC100E
- If alignment guide is not required, add (P) to catalog number suffix. Example: XCP100



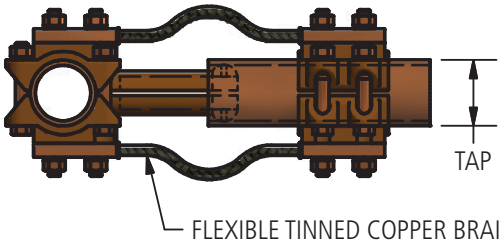



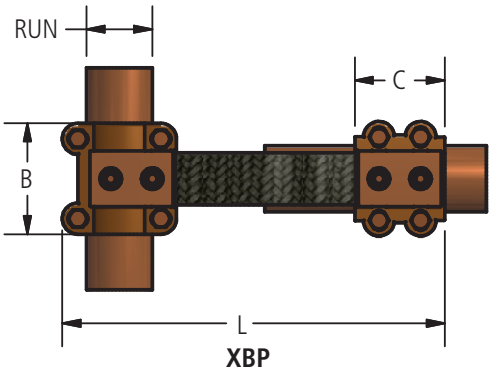




XC




XCP




XBP



© 2011, AFL, all rights reserved. PP-3-00591, Revision 2, 8.2.13
Specifications are subject to change without notice.

# DOSSERT®

## TYPE XC, XCP, XBP

**Copper Expansion Coupling**

## Ordering Information for XC and XCP

| XC & XCP | | | | | | | |
|---|---|---|---|---|---|---|---|
| CATALOG NUMBER | | | | | | | |
| SCH 40 | SCH 80 | SPS | A | B | C | L | BOLT SIZE |
| XC50 | XC50E | 1/2 | 5 1/2 | 2 5/8 | - | - | 3/8 |
| XC75 | XC75E | 3/4 | 5 1/2 | 3 | - | - | 3/8 |
| XC100 | XC100E | 1 | 5 1/2 | 3 | - | - | 3/8 |
| XC125 | XC125E | 1 1/4 | 5 1/2 | 3 | - | - | 1/2 |
| XC150 | XC150E | 1 1/2 | 5 1/2 | 3 1/4 | - | - | 1/2 |
| XC200 | XC200E | 2 | 6 | 3 1/4 | - | - | 1/2 |
| XC250 | XC250E | 2 1/2 | 6 | 3 1/4 | - | - | 1/2 |
| XC300 | XC300E | 3 | 6 | 3 3/4 | - | - | 5/8 |
| XC350 | XC350E | 3 1/2 | 7 | 3 3/4 | - | - | 5/8 |
| XC400 | XC400E | 4 | 7 | 4 | - | - | 5/8 |

## Ordering Information for XBP

| XBP | | | | | | | |
|---|---|---|---|---|---|---|---|
| CATALOG NUMBER | | SPS | | DIMENSIONS IN INCHES | | | BOLT SIZE |
| SCH 40 | SCH 80 | RUN | TAP | B | C | L | |
| XBP150-50 | XBP150-50E | 1 1/2 | 1/2 | 2 5/8 | 2 5/8 | 11 | 3/8 |
| XBP200-50 | XBP200-50E | 2 | 1/2 | 3 | 2 5/8 | 11 | 3/8 |
| XBP200-200 | XBP200-200E | 2 | 2 | 4 | 3 1/4 | 13 1/4 | 1/2 |
| XBP250-125 | XBP250-125E | 2 1/2 | 1 1/4 | 4 | 3 | 13 1/4 | 1/2 |
| XBP250-250 | XBP250-250E | 2 1/2 | 2 1/2 | 4 | 4 | 14 1/4 | 1/2 |
| XBP300-300 | XBP300-300E | 3 | 3 | 4 | 4 | 14 5/8 | 5/8 |
| XBP350-350 | XBP350-350E | 3 1/2 | 3 1/2 | 4 | 4 | 15 | 5/8 |
| XBP400-400 | XBP400-400E | 4 | 4 | 4 3/8 | 4 3/8 | 15 3/4 | 5/8 |

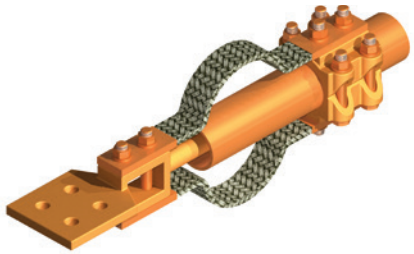


© 2011, AFL, all rights reserved. PP-3-00591, Revision 2, 8.2.13
Specifications are subject to change without notice.

# DOSSERT®

## TYPE XL

### Terminal Expansion Pipe



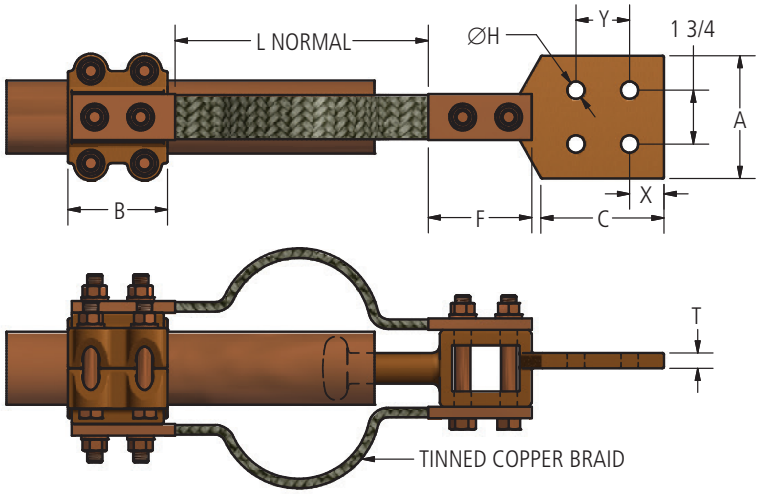
An expansion terminal for connecting a standard pipe size tubular bus to flat conductor surfaces. Designed to permit free axial movement of the bus due to thermal expansion and contraction. High circular mil area of extra flexible linkages ensures cool operation under maximum load conditions. Pad dimensions and drilling other than shown below can be furnished upon request.

### Material

Copper Alloy

### Hardware

Everdur bolts, nuts, lock washers and washers




## Ordering Information

| CATALOG NUMBER | SPS | DIMENSIONS IN INCHES | | | | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | B | C | F | H | L | T | X | Y | |
| XL50-2 | 1/2 | 1 1/2 | 2 5/8 | 2 1/4 | 2 5/8 | 7/16 | 5 | 5/16 | 7/16 | 1 1/8 | 3/8 |
| XL50-2N | 1/2 | 1 1/2 | 2 5/8 | 3 1/4 | 2 5/8 | 9/16 | 5 | 5/16 | 5/8 | 1 3/4 | 3/8 |
| XL75-2 | 3/4 | 1 1/2 | 3 | 2 1/4 | 3 | 7/16 | 6 | 3/8 | 1/2 | 1 1/4 | 3/8 |
| XL75-2N | 3/4 | 1 1/2 | 3 | 3 | 3 | 9/16 | 6 | 3/8 | 5/8 | 1 3/4 | 3/8 |
| XL100-2 | 1 | 1 3/4 | 3 1/8 | 2 1/4 | 3 | 7/16 | 6 1/2 | 3/8 | 1/2 | 1 1/4 | 3/8 |
| XL100-2N | 1 | 1 3/4 | 3 1/8 | 3 | 3 | 9/16 | 6 1/2 | 3/8 | 5/8 | 1 3/4 | 3/8 |
| XL100-4N | 1 | 3 | 3 1/8 | 3 | 3 | 9/16 | 6 1/2 | 3/8 | 5/8 | 1 3/4 | 3/8 |
| XL100-4N4 | 1 | 4 | 3 1/8 | 4 | 3 | 9/16 | 6 1/2 | 3/8 | 1 1/8 | 1 3/4 | 3/8 |
| XL125-2N | 1 1/4 | 2 1/2 | 3 1/4 | 3 | 3 | 9/16 | 6 1/2 | 7/16 | 5/8 | 1 3/4 | 1/2 |
| XL125-4N | 1 1/4 | 3 | 3 1/4 | 3 | 3 | 9/16 | 6 1/2 | 7/16 | 5/8 | 1 3/4 | 1/2 |
| XL125-4N4 | 1 1/4 | 4 | 3 1/4 | 4 | 3 | 9/16 | 6 1/2 | 7/16 | 1 1/8 | 1 3/4 | 1/2 |
| XL150-2N | 1 1/2 | 2 1/2 | 3 1/4 | 3 | 3 | 9/16 | 7 | 11/16 | 5/8 | 1 3/4 | 1/2 |
| XL150-4N | 1 1/2 | 3 | 3 1/4 | 3 | 3 | 9/16 | 7 | 11/16 | 5/8 | 1 3/4 | 1/2 |
| XL150-4N4 | 1 1/2 | 4 | 3 1/4 | 4 | 3 | 9/16 | 7 | 11/16 | 1 1/8 | 1 3/4 | 1/2 |
| XL200-2N | 2 | 2 3/4 | 3 1/4 | 3 | 3 | 9/16 | 7 | 1/2 | 5/8 | 1 3/4 | 1/2 |
| XL200-4N | 2 | 3 | 3 1/4 | 3 | 3 | 9/16 | 7 | 1/2 | 5/8 | 1 3/4 | 1/2 |
| XL200-4N4 | 2 | 4 | 3 1/4 | 4 | 3 | 9/16 | 7 | 1/2 | 1 1/8 | 1 3/4 | 1/2 |
| XL250-2N | 2 1/2 | 2 3/4 | 3 1/4 | 3 | 3 | 9/16 | 7 | 11/16 | 5/8 | 1 3/4 | 1/2 |
| XL250-4N | 2 1/2 | 3 3/4 | 3 1/4 | 3 | 3 | 9/16 | 7 | 11/16 | 5/8 | 1 3/4 | 1/2 |
| XL250-4N4 | 2 1/2 | 4 | 3 1/4 | 4 | 3 | 9/16 | 7 | 11/16 | 1 1/8 | 1 3/4 | 1/2 |
| XL300-4N | 3 | 4 | 3 1/4 | 3 | 3 1/4 | 9/16 | 7 | 11/16 | 5/8 | 1 3/4 | 5/8 |
| XL300-4N4 | 3 | 4 | 3 1/4 | 4 | 3 1/4 | 9/16 | 7 | 11/16 | 1 1/8 | 1 3/4 | 5/8 |
| XL350-4N | 3 1/2 | 4 | 4 3/8 | 3 | 3 1/4 | 9/16 | 7 | 13/16 | 5/8 | 1 3/4 | 5/8 |
| XL350-4N4 | 3 1/2 | 4 | 4 3/8 | 4 | 3 1/4 | 9/16 | 7 | 13/16 | 1 1/8 | 1 3/4 | 5/8 |
| XL400-4N | 4 | 4 | 4 3/8 | 3 | 3 1/4 | 9/16 | 7 | 13/16 | 5/8 | 1 3/4 | 5/8 |
| XL400-4N4 | 4 | 4 | 4 3/8 | 4 | 3 1/4 | 9/16 | 7 | 13/16 | 1 1/8 | 1 3/4 | 5/8 |
| XL500-4N | 5 | 5 | 4 7/8 | 3 | 4 7/8 | 9/16 | 9 | 7/8 | 5/8 | 1 3/4 | 5/8 |
| XL500-4N4 | 5 | 4 | 4 7/8 | 4 | 4 7/8 | 9/16 | 9 | 7/8 | 1 1/8 | 1 3/4 | 5/8 |
| XL600-4N | 6 | 5 | 5 | 3 | 5 | 9/16 | 9 | 7/8 | 5/8 | 1 3/4 | 5/8 |
| XL600-4N4 | 6 | 4 | 5 | 4 | 5 | 9/16 | 9 | 7/8 | 1 1/8 | 1 3/4 | 5/8 |



© 2011, AFL, all rights reserved. PP-3-00593, Revision 2, 1.16.14
Specifications are subject to change without notice.

# DOSSERT®

## TYPE XTP

### Copper Flexible Connector For Tubular Bus To Flat

A clamp type connector with a flexible copper laminated member for joining the tubular clamp to a flat bus, plate or stud. Permits free axial movement of the conductors.



### Material

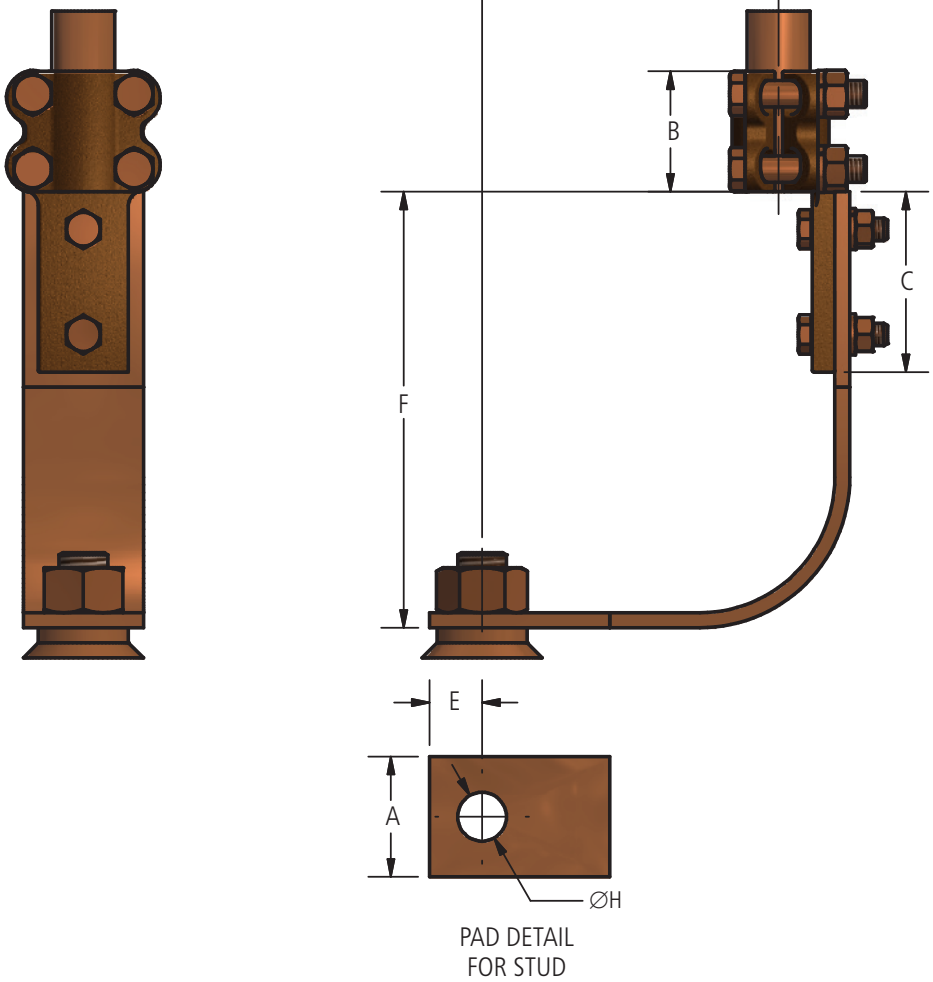
Copper Alloy

### Lamination Material

Copper

### Hardware

Everdur bolts, nuts, lockwashers, and flat washers




PAD DETAIL
FOR STUD





© 2011, AFL, all rights reserved. PP-3-00596, Revision 1, 8.2.13
Specifications are subject to change without notice.

# DOSSERT®

## TYPE XTP

### Copper Flexible Connector For Tubular Bus To Flat

## Ordering Information

| CATALOG NUMBER | SPS | STUD DIAMETER | NUMBER OF LAMINATED GROUPS | DIMENSIONS IN INCHES | | | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | C | E | F | H | S | |
| XTP25-63 | 1/3 | 5/8 | 1 | 1 1/4 | 2 | 1 7/8 | 11/16 | 5 1/2 | 11/16 | 4 1/2 | 3/8 |
| XTP38-63 | 3/7 | 5/8 | 1 | 1 1/4 | 2 | 1 7/8 | 11/16 | 5 3/4 | 11/16 | 4 3/4 | 3/8 |
| XTP50-63 | 1/1 | 5/8 | 1 | 1 1/2 | 2 | 2 1/4 | 11/16 | 6 | 11/16 | 5 | 3/8 |
| XTP75-63 | 3/3 | 5/8 | 1 | 1 3/4 | 2 | 2 1/4 | 11/16 | 6 1/4 | 11/16 | 5 1/4 | 3/8 |
| XTP50-75 | 1/1 | 3/4 | 1 | 1 1/2 | 2 | 2 1/4 | 7/8 | 6 1/4 | 13/16 | 5 1/4 | 3/8 |
| XTP75-75 | 3/3 | 3/4 | 1 | 1 3/4 | 2 | 2 1/4 | 7/8 | 7 | 13/16 | 6 | 3/8 |
| XTP100-75 | 1 | 3/4 | 1 | 1 3/4 | 2 1/8 | 2 1/4 | 7/8 | 8 1/4 | 13/16 | 6 3/4 | 3/8 |
| XTP125-75 | 1 1/4 | 3/4 | 2 | 2 1/4 | 2 1/2 | 3 | 7/8 | 8 1/2 | 13/16 | 7 1/4 | 1/2 |
| XTP75-88 | 3/3 | 7/8 | 1 | 1 3/4 | 2 | 2 1/4 | 1 | 7 | 15/16 | 6 | 3/8 |
| XTP100-88 | 1 | 7/8 | 1 | 1 3/4 | 2 1/8 | 2 1/4 | 1 | 8 1/4 | 15/16 | 6 3/4 | 3/8 |
| XTP125-88 | 1 1/4 | 7/8 | 2 | 2 1/4 | 2 1/2 | 3 | 1 | 8 1/2 | 15/16 | 7 1/4 | 1/2 |
| XTP150-88 | 1 1/2 | 7/8 | 2 | 2 1/4 | 2 5/8 | 3 1/4 | 1 | 9 1/4 | 15/16 | 8 | 1/2 |
| XTP75-100 | 3/3 | 1 | 1 | 1 3/4 | 2 | 2 1/4 | 1 1/16 | 7 | 1 1/16 | 6 | 3/8 |
| XTP100-100 | 1 | 1 | 1 | 1 3/4 | 2 1/8 | 2 1/4 | 1 1/16 | 8 1/4 | 1 1/16 | 6 3/4 | 3/8 |
| XTP125-100 | 1 1/4 | 1 | 2 | 2 1/4 | 2 1/2 | 3 | 1 1/16 | 8 1/2 | 1 1/16 | 7 1/4 | 1/2 |
| XTP150-100 | 1 1/2 | 1 | 2 | 2 1/4 | 2 5/8 | 3 1/4 | 1 1/16 | 9 1/4 | 1 1/16 | 8 | 1/2 |
| XTP75-112 | 3/3 | 1 1/8 | 1 | 2 | 2 | 2 1/4 | 1 3/16 | 7 | 1 3/16 | 6 | 3/8 |
| XTP100-112 | 1 | 1 1/8 | 1 | 2 | 2 1/8 | 2 1/4 | 1 3/16 | 8 1/4 | 1 3/16 | 6 3/4 | 3/8 |
| XTP125-112 | 1 1/4 | 1 1/8 | 2 | 2 1/4 | 2 1/2 | 3 | 1 3/16 | 8 1/2 | 1 3/16 | 7 1/4 | 1/2 |
| XTP150-112 | 1 1/2 | 1 1/8 | 2 | 2 1/2 | 2 5/8 | 3 1/4 | 1 5/16 | 9 1/4 | 1 3/16 | 8 | 1/2 |
| XTP100-125 | 1 | 1 1/4 | 1 | 2 1/4 | 2 1/8 | 2 1/4 | 1 5/16 | 8 1/4 | 1 5/16 | 6 3/4 | 3/8 |
| XTP125-125 | 1 1/4 | 1 1/4 | 2 | 2 1/4 | 2 1/2 | 3 | 1 5/16 | 8 1/2 | 1 5/16 | 7 1/4 | 1/2 |
| XTP150-125 | 1 1/2 | 1 1/4 | 2 | 2 1/2 | 2 5/8 | 3 1/4 | 1 7/16 | 9 1/4 | 1 5/16 | 8 | 1/2 |
| XTP200-125 | 2 | 1 1/4 | 2 | 2 3/4 | 2 3/4 | 3 1/4 | 1 7/16 | 10 | 1 5/16 | 8 3/4 | 1/2 |
| XTP100-150 | 1 | 1 1/2 | 1 | 2 1/2 | 2 1/8 | 2 1/4 | 1 7/16 | 8 1/4 | 1 9/16 | 6 3/4 | 3/8 |
| XTP125-150 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 2 1/2 | 3 | 1 7/16 | 8 1/2 | 1 9/16 | 7 1/4 | 1/2 |
| XTP150-150 | 1 1/2 | 1 1/2 | 2 | 2 3/4 | 2 5/8 | 3 1/4 | 1 7/16 | 9 1/4 | 1 9/16 | 8 | 1/2 |
| XTP200-150 | 2 | 1 1/2 | 2 | 3 1/4 | 2 3/4 | 3 1/4 | 1 9/16 | 10 | 1 9/16 | 8 3/4 | 1/2 |



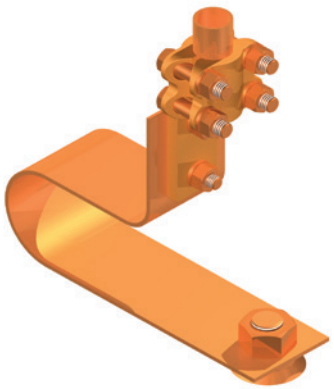


© 2011, AFL, all rights reserved. PP-3-00596, Revision 1, 8.2.13
Specifications are subject to change without notice.

# DOSSERT®

## TYPE XTS

### Copper Flexible Connector For Tubular Bus To Flat



A clamp type connector terminating a tubular bus to a flat bus, plate or stud through a flexible copper strap. The flexible copper strap absorbs operating vibrations and permits free axial movement of the tubular bus.

**Material**

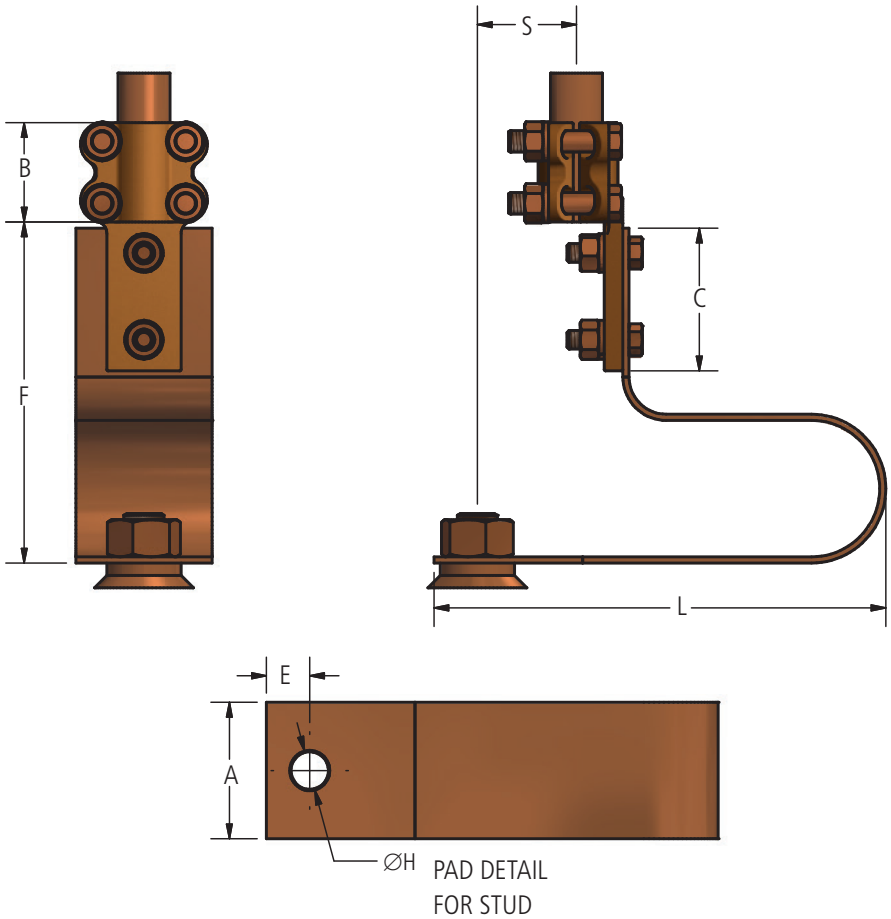
Copper Alloy

**Lamination Material**

Copper Alloy

**Hardware**

Everdur bolts, nuts and lockwashers






© 2011, AFL, all rights reserved. PP-3-00597, Revision 2, 11.12.13
Specifications are subject to change without notice.

# DOSSERT®

## TYPE XTS

### Copper Flexible Connector For Tubular Bus To Flat

## Ordering Information

| CATALOG NUMBER | SPS | STUD DIAMETER | NUMBER OF STRAPS | DIMENSIONS IN INCHES | | | | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | C | E | F | H | L | S | |
| XTS25-63 | 1/4 | 5/8 | 1 | 1 1/2 | 2 | 1 7/8 | 11/16 | 6 1/2 | 11/16 | 6 5/8 | 1 3/8 | 3/8 |
| XTS38-63 | 3/8 | 5/8 | 1 | 2 | 2 | 1 7/8 | 11/16 | 6 1/2 | 11/16 | 6 3/4 | 1 3/8 | 3/8 |
| XTS50-63 | 1/2 | 5/8 | 1 | 2 1/4 | 2 | 2 1/4 | 11/16 | 7 | 11/16 | 7 3/8 | 1 1/2 | 3/8 |
| XTS75-63 | 3/4 | 5/8 | 1 | 2 3/4 | 2 | 2 1/4 | 11/16 | 7 | 11/16 | 7 5/8 | 1 3/8 | 3/8 |
| XTS50-75 | 1/2 | 3/4 | 1 | 2 1/4 | 2 | 2 1/4 | 7/8 | 7 | 13/16 | 7 5/8 | 1 1/2 | 3/8 |
| XTS75-75 | 3/4 | 3/4 | 1 | 4 | 2 | 2 1/4 | 7/8 | 7 | 13/16 | 8 1/4 | 1 3/8 | 3/8 |
| XTS100-75 | 1 | 3/4 | 1 | 3 | 2 1/8 | 2 1/4 | 7/8 | 7 | 13/16 | 8 3/4 | 1 1/4 | 3/8 |
| XTS125-75 | 1 1/4 | 3/4 | 2 | 2 1/2 | 2 1/2 | 3 | 7/8 | 7 | 13/16 | 9 1/4 | 1 1/16 | 1/2 |
| XTS75-88 | 3/4 | 7/8 | 1 | 2 3/4 | 2 | 2 1/4 | 1 | 7 3/8 | 15/16 | 8 1/4 | 1 3/8 | 3/8 |
| XTS100-88 | 1 | 7/8 | 1 | 3 | 2 1/8 | 2 1/4 | 1 | 7 3/8 | 15/16 | 8 3/4 | 1 1/4 | 3/8 |
| XTS125-88 | 1 1/4 | 7/8 | 2 | 2 1/2 | 2 1/2 | 3 | 1 | 7 3/8 | 15/16 | 9 1/4 | 1 1/16 | 1/2 |
| XTS150-88 | 1 1/2 | 7/8 | 2 | 3 | 2 5/8 | 3 1/4 | 1 | 7 3/8 | 15/16 | 9 3/4 | 15 /16 | 1/2 |
| XTS75-100 | 3/4 | 1 | 1 | 2 3/4 | 2 | 2 1/4 | 1 1/16 | 7 5/8 | 1 1/16 | 8 1/4 | 1 3/8 | 3/8 |
| XTS100-100 | 1 | 1 | 1 | 3 | 2 1/8 | 2 1/4 | 1 1/16 | 7 5/8 | 1 1/16 | 8 3/4 | 1 1/4 | 3/8 |
| XTS125-100 | 1 1/4 | 1 | 2 | 2 1/2 | 2 1/2 | 3 | 1 1/16 | 7 5/8 | 1 1/16 | 9 1/4 | 1 1/16 | 1/2 |
| XTS150-100 | 1 1/2 | 1 | 2 | 3 | 2 5/8 | 3 1/4 | 1 1/16 | 7 5/8 | 1 1/16 | 9 3/4 | 15 /16 | 1/2 |
| XTS75-112 | 3/4 | 1 1/8 | 1 | 2 3/4 | 2 | 2 1/4 | 1 3/16 | 7 7/8 | 1 3/16 | 8 1/4 | 1 3/8 | 3/8 |
| XTS100-112 | 1 | 1 1/8 | 1 | 3 | 2 1/8 | 2 1/4 | 1 3/16 | 7 7/8 | 1 3/16 | 8 3/4 | 1 1/4 | 3/8 |
| XTS125-112 | 1 1/4 | 1 1/8 | 2 | 2 1/2 | 2 1/2 | 3 | 1 3/16 | 7 7/8 | 1 3/16 | 9 1/4 | 1 1/16 | 1/2 |
| XTS150-112 | 1 1/2 | 1 1/8 | 2 | 3 | 2 5/8 | 3 1/4 | 1 5/16 | 7 7/8 | 1 3/16 | 9 3/4 | 15 /16 | 1/2 |
| XTS100-125 | 1 | 1 1/4 | 1 | 3 | 2 1/8 | 2 1/4 | 1 5/16 | 8 1/8 | 1 5/16 | 8 3/4 | 1 1/4 | 3/8 |
| XTS125-125 | 1 1/4 | 1 1/4 | 2 | 2 1/2 | 2 1/2 | 3 | 1 5/16 | 8 1/8 | 1 5/16 | 9 1/4 | 1 1/16 | 1/2 |
| XTS150-125 | 1 1/2 | 1 1/4 | 2 | 3 | 2 5/8 | 3 1/4 | 1 7/16 | 8 1/8 | 1 5/16 | 9 3/4 | 15/ 16 | 1/2 |
| XTS200-125 | 2 | 1 1/4 | 2 | 3 1/2 | 2 3/4 | 3 1/4 | 1 7/16 | 8 1/8 | 1 5/16 | 10 1/4 | 3/4 | 1/2 |
| XTS100-150 | 1 | 1 1/2 | 1 | 3 | 2 1/8 | 2 1/4 | 1 7/16 | 8 3/8 | 1 9/16 | 8 3/4 | 1 1/4 | 3/8 |
| XTS125-150 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 2 1/2 | 3 | 1 7/16 | 8 3/8 | 1 9/16 | 9 1/4 | 1 1/16 | 1/2 |
| XTS150-150 | 1 1/2 | 1 1/2 | 2 | 3 | 2 5/8 | 3 1/4 | 1 7/16 | 8 3/8 | 1 9/16 | 9 3/4 | 15/ 16 | 1/2 |
| XTS200-150 | 2 | 1 1/2 | 2 | 3 1/2 | 2 3/4 | 3 1/4 | 1 9/16 | 8 3/8 | 1 9/16 | 10 1/4 | 3/4 | 1/2 |



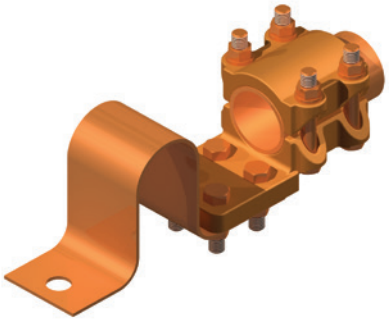


© 2011, AFL, all rights reserved. PP-3-00597, Revision 2, 11.12.13
Specifications are subject to change without notice.

# DOSSERT®

## TYPE XTSS, XTSS-N

### Copper Flexible Connector For Tubular Bus To Flat



XTSS is used where stud and the tube positioning will not permit any extensive offset. The semi-flexible loop of copper strapping allows for movement caused by the expansion and contraction of conductor members.

**Material**

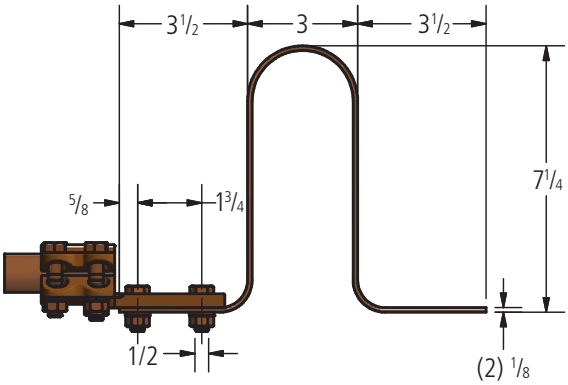
Copper Alloy

**Hardware**

Everdur nuts, bolts and lock washers.

**Lamination Material**

Copper



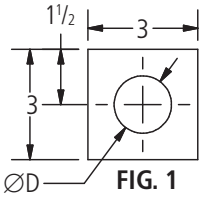




FIG. 1

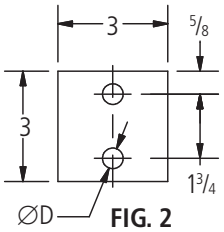
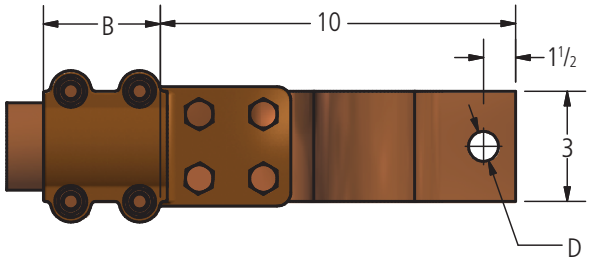



FIG. 2



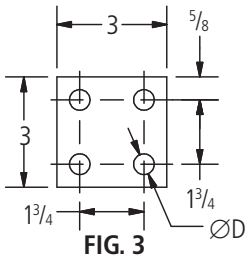




FIG. 3

## Ordering Information

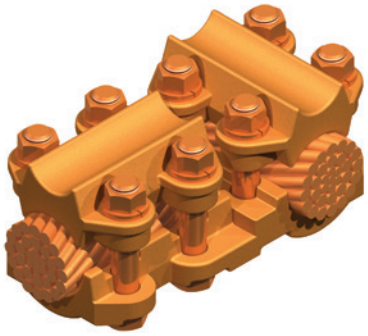
| CATALOG NUMBER | SPS | FIG. NO. | DIMENSIONS IN INCHES | | BOLT SIZE |
|---|---|---|---|---|---|
| | | | B | D | |
| XTSS100-150 | 1 | 1 | 2 | 1 9/16 | 3/8 |
| XTSS100-2N | 1 | 2 | 2 | 9/16 | 3/8 |
| XTSS100-4N | 1 | 3 | 2 | 9/16 | 3/8 |
| XTSS125-150 | 1 1/4 | 1 | 2 5/8 | 1 9/16 | 1/2 |
| XTSS125-2N | 1 1/4 | 2 | 2 5/8 | 9/16 | 1/2 |
| XTSS125-4N | 1 1/4 | 3 | 2 5/8 | 9/16 | 1/2 |
| XTSS150-150 | 1 1/2 | 1 | 2 5/8 | 1 9/16 | 1/2 |
| XTSS150-175 | 1 1/2 | 1 | 2 5/8 | 1 13/16 | 1/2 |
| XTSS150-2N | 1 1/2 | 2 | 2 5/8 | 9/16 | 1/2 |
| XTSS150-4N | 1 1/2 | 3 | 2 5/8 | 9/16 | 1/2 |
| XTSS200-150 | 2 | 1 | 2 3/4 | 1 9/16 | 1/2 |
| XTSS200-2N | 2 | 2 | 2 3/4 | 9/16 | 1/2 |
| XTSS200-4N | 2 | 3 | 2 3/4 | 9/16 | 1/2 |



© 2011, AFL, all rights reserved. PP-3-00598, Revision 1, 8.2.13
Specifications are subject to change without notice.

# DOSSERT®

## TYPE BCV-S
### Tee Connector



A heavy duty cable run to cable tap tee connector. Handles a wide range of conductor sizes in each clamping position.

### Material

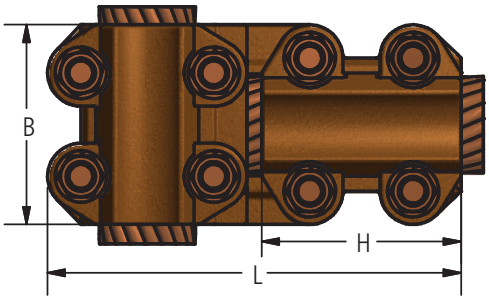
Copper Alloy

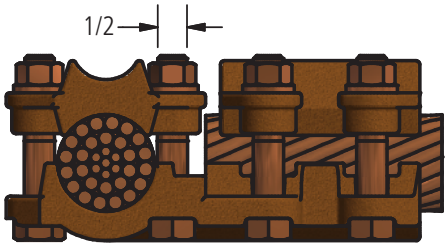
### Hardware

Everdur bolts, nuts and lockwashers

### Notes

- For Electro Tin plate, add "-SN" to Catalog Number EX: BCV50-25-S-SN




## Ordering Information

| CATALOG NUMBER | CABLE RANGE RUN | | | | CABLE RANGE TAP | | | | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | SMALL GROOVE | | LARGE GROOVE | | SMALL GROOVE | | LARGE GROOVE | | | | |
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | B | H | L |
| BCV13-13-S | - | - | 6 SOL | 2/0 STR | - | - | 6 SOL | 2/0 STR | 2 | 2 | 3 3/16 |
| BCV50-25-S | 1/0 SOL | 250 MCM | 250 MCM | 500 MCM | - | - | 4 SOL | 250 MCM | 2 5/8 | 2 3/4 | 5 9/16 |
| BCV50-50-S | 1/0 SOL | 250 MCM | 250 MCM | 500 MCM | 1/0 SOL | 250 MCM | 250 MCM | 500 MCM | 2 5/8 | 2 5/8 | 5 7/16 |
| BCV60-60-S | #4 SOL | 3/0 STR | 4/0 STR | 600 MCM | #4 SOL | 3/0 STR | 4/0 STR | 600 MCM | 2 3/4 | 2 3/4 | 5 5/8 |
| BCV80-25-S | 2/0 SOL | 450 MCM | 500 MCM | 800 MCM | - | - | 4 SOL | 250 MCM | 2 7/8 | 2 3/4 | 5 13/16 |
| BCV80-80-S | 2/0 STR | 450 MCM | 500 MCM | 800 MCM | 2/0 STR | 450 MCM | 500 MCM | 800 MCM | 2 7/8 | 2 7/8 | 5 15/16 |
| BCV100-25-S | 4/0 SOL | 400 MCM | 450 MCM | 1000 MCM | - | - | 4 SOL | 250 MCM | 2 7/8 | 2 3/4 | 5 7/8 |
| BCV100-50-S | 4/0 SOL | 400 MCM | 450 MCM | 1000 MCM | 1/0 SOL | 250 MCM | 250 MCM | 500 MCM | 2 7/8 | 2 5/8 | 5 3/4 |
| BCV100-100-S | 4/0 SOL | 400 MCM | 450 MCM | 1000 MCM | 4/0 SOL | 400 MCM | 450 MCM | 1000 MCM | 2 7/8 | 2 7/8 | 6 |
| BCV100-80-S | 4/0 SOL | 400 MCM | 450 MCM | 1000 MCM | 2/0 STR | 450 MCM | 500 MCM | 800 MCM | 2 7/8 | 2 7/8 | 6 |
| BCV150-25-S | 250 MCM | 750 MCM | 800 MCM | 1500 MCM | - | - | 4 SOL | 250 MCM | 3 3/8 | 2 3/4 | 5 1/2 |
| BCV150-100-S | 250 MCM | 750 MCM | 800 MCM | 1500 MCM | 4/0 SOL | 400 MCM | 450 MCM | 1000 MCM | 3 3/8 | 2 7/8 | 6 1/4 |
| BCV150-150-S | 250 MCM | 750 MCM | 800 MCM | 1500 MCM | 250 MCM | 750 MCM | 800 MCM | 1500 MCM | 3 3/8 | 3 3/8 | 6 3/4 |
| BCV150-200-S | 250 MCM | 750 MCM | 800 MCM | 1500 MCM | 500 MCM | 1250 MCM | 1500 MCM | 2000 MCM | 3 3/8 | 3 3/8 | 6 3/4 |
| BCV200-25-S | 500 MCM | 1250 MCM | 1500 MCM | 2000 MCM | - | - | 4 SOL | 250 MCM | 3 3/8 | 2 3/4 | 6 3/8 |
| BCV200-50-S | 500 MCM | 1250 MCM | 1500 MCM | 2000 MCM | 1/0 SOL | 250 MCM | 250 MCM | 500 MCM | 3 3/8 | 2 5/8 | 6 1/4 |
| BCV200-200-S | 500 MCM | 1250 MCM | 1500 MCM | 2000 MCM | 500 MCM | 1250 MCM | 1500 MCM | 2000 MCM | 3 3/8 | 3 3/8 | 7 |
| BCV250-150-S | 1000 MCM | 1500 MCM | 1750 MCM | 2500 MCM | 250 MCM | 750 MCM | 800 MCM | 1500 MCM | 3 3/8 | 3 3/8 | 7 1/4 |





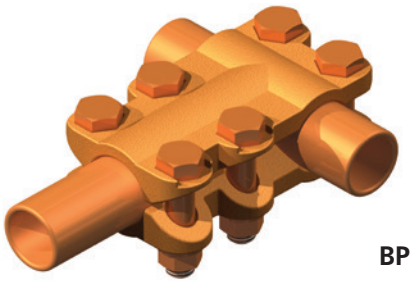
© 2011, AFL, all rights reserved. PP-3-00245, Revision 2, 8.13.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE BP, BPA-75, BPA-80

**Standard, 75 degree and 80 degree Tee Connector**

A two piece all copper tee connector designed for maximum efficiency and reliability.



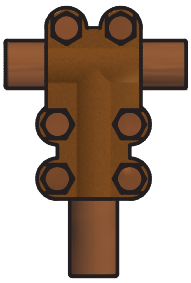
BP

### Material

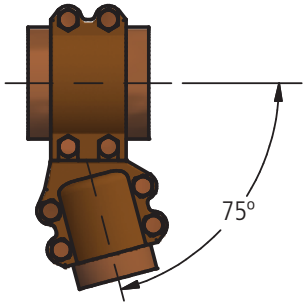
Copper Alloy

### Hardware

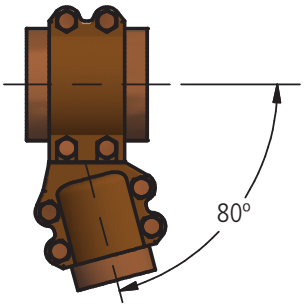
Everdur bolts, nuts and lockwashers



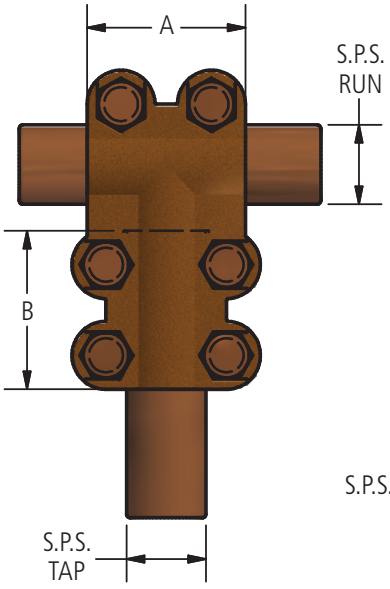
BP



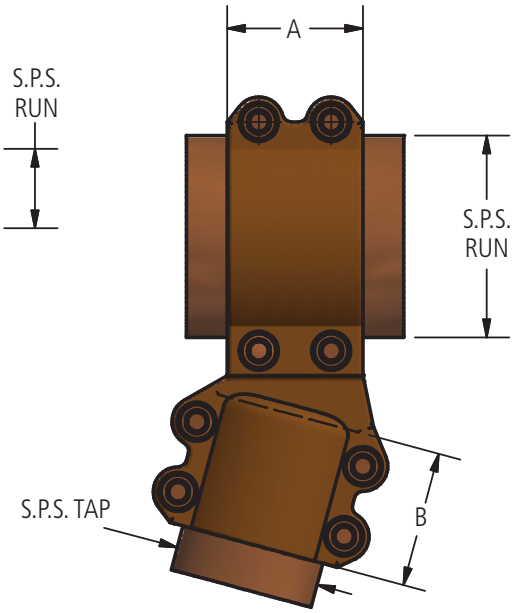

BPA-75




BPA-80




BP








© 2011, AFL, all rights reserved. PP-3-00250, Revision 2, 3.18.14
Specifications are subject to change without notice.

DOSSERT®

# TYPE BP, BPA-75, BPA-80

**Standard, 75 degree and 80 degree Tee Connector**

## Ordering Information

| CATALOG NUMBER | | | SPS | | DIMENSIONS IN INCHES | | BOLT SIZE |
|---|---|---|---|---|---|---|---|
| STANDARD | 75 DEG | 80 DEG | RUN | TAP | A | B | |
| BP100-75 | BPA100-75-75 | BPA100-75-80 | 1 | 3/4 | 2-3/4 | 2-3/4 | 1/2 |
| BP100-100 | BPA100-100-75 | BPA100-100-80 | 1 | 1 | 2-3/4 | 2-3/4 | 1/2 |
| BP125-75 | BPA125-75-75 | BPA125-75-80 | 1-1/4 | 3/4 | 3 | 2-3/4 | 1/2 |
| BP125-100 | BPA125-100-75 | BPA125-100-80 | 1-1/4 | 1 | 3 | 2-3/4 | 1/2 |
| BP125-125 | BPA125-125-75 | BPA125-125-80 | 1-1/4 | 1-1/4 | 3 | 3 | 1/2 |
| BP150-100 | BPA150-100-75 | BPA150-100-80 | 1-1/2 | 1 | 3 | 2-3/4 | 1/2 |
| BP150-125 | BPA150-125-75 | BPA150-125-80 | 1-1/2 | 1-1/4 | 3 | 3 | 1/2 |
| BP150-150 | BPA150-150-75 | BPA150-150-80 | 1-1/2 | 1-1/2 | 3 | 3 | 1/2 |
| BP200-100 | BPA200-100-75 | BPA200-100-80 | 2 | 1 | 3-1/4 | 2-3/4 | 1/2 |
| BP200-125 | BPA200-125-75 | BPA200-125-80 | 2 | 1-1/4 | 3-1/4 | 3 | 1/2 |
| BP200-150 | BPA200-150-75 | BPA200-150-80 | 2 | 1-1/2 | 3-1/4 | 3 | 1/2 |
| BP200-200 | BPA200-200-75 | BPA200-200-80 | 2 | 2 | 3-1/4 | 3-1/4 | 1/2 |
| BP250-100 | BPA250-100-75 | BPA250-100-80 | 2-1/2 | 1 | 3-1/4 | 2-3/4 | 1/2 |
| BP250-125 | BPA250-125-75 | BPA250-125-80 | 2-1/2 | 1-1/4 | 3-1/4 | 3 | 1/2 |
| BP250-150 | BPA250-150-75 | BPA250-150-80 | 2-1/2 | 1-1/2 | 3-1/4 | 3 | 1/2 |
| BP250-200 | BPA250-200-75 | BPA250-200-80 | 2-1/2 | 2 | 3-1/4 | 3-1/4 | 1/2 |
| BP250-250 | BPA250-250-75 | BPA250-250-80 | 2-1/2 | 2-1/2 | 3-1/4 | 3-1/4 | 1/2 |
| BP300-100 | BPA300-100-75 | BPA300-100-80 | 3 | 1 | 3-1/4 | 2-3/4 | 1/2 |
| BP300-125 | BPA300-125-75 | BPA300-125-80 | 3 | 1-1/4 | 3-1/4 | 3 | 1/2 |
| BP300-150 | BPA300-150-75 | BPA300-150-80 | 3 | 1-1/2 | 3-1/4 | 3 | 1/2 |
| BP300-200 | BPA300-200-75 | BPA300-200-80 | 3 | 2 | 3-1/4 | 3-1/4 | 1/2 |
| BP300-250 | BPA300-250-75 | BPA300-250-80 | 3 | 2-1/2 | 3-1/4 | 3-1/4 | 1/2 |
| BP300-300 | BPA300-300-75 | BPA300-300-80 | 3 | 3 | 3-3/4 | 3-3/4 | 5/8 |
| BP350-100 | BPA350-100-75 | BPA350-100-80 | 3-1/2 | 1 | 3-1/4 | 2-3/4 | 1/2 |
| BP350-125 | BPA350-125-75 | BPA350-125-80 | 3-1/2 | 1-1/4 | 3-1/4 | 3 | 1/2 |
| BP350-150 | BPA350-150-75 | BPA350-15080 | 3-1/2 | 1-1/2 | 3-1/4 | 3 | 1/2 |
| BP350-200 | BPA350-200-75 | BPA350-200-80 | 3-1/2 | 2 | 3-1/4 | 3-1/4 | 1/2 |
| BP350-250 | BPA350-250-75 | BPA350-250-80 | 3-1/2 | 2-1/2 | 3-3/4 | 3-3/4 | 5/8 |
| BP350-300 | BPA350-300-75 | BPA350-300-80 | 3-1/2 | 3 | 3-3/4 | 3-3/4 | 5/8 |
| BP350-350 | BPA350-350-75 | BPA350-350-80 | 3-1/2 | 3-1/2 | 3-3/4 | 3-3/4 | 5/8 |
| BP400-125 | BPA400-125-75 | BPA400-125-80 | 4 | 1-1/4 | 3-1/4 | 3 | 1/2 |
| BP400-150 | BPA400-150-75 | BPA400-150-80 | 4 | 1-1/2 | 3-1/4 | 3 | 1/2 |
| BP400-200 | BPA400-200-75 | BPA400-200-80 | 4 | 2 | 3-1/4 | 3-1/4 | 1/2 |
| BP400-250 | BPA400-250-75. | BPA400-250-80 | 4 | 2-1/2 | 3-1/4 | 3-1/4 | 1/2 |
| BP400-300 | BPA400-300-75 | BPA400-300-80 | 4 | 3 | 3-3/4 | 3-3/4 | 5/8 |
| BP400-350 | BPA400-350-75 | BPA400-350-80 | 4 | 3-1/2 | 3-3/4 | 3-3/4 | 5/8 |
| BP400-400 | BPA400-400-75 | BPA400-400-80 | 4 | 4 | 3-3/4 | 3-3/4 | 5/8 |
| BP500-150 | BPA500-150-75 | BPA500-150-80 | 5 | 1-1/2 | 3-1/2 | 3 | 1/2 |
| BP500-200 | BPA500-200-75 | BPA500-200-80 | 5 | 2 | 3-1/2 | 3-1/4 | 1/2 |
| BP500-250 | BPA500-250-75 | BPA500-250-80 | 5 | 2-1/2 | 3-1/2 | 3-1/4 | 1/2 |
| BP500-300 | BPA500-300-75 | BPA500-300-80 | 5 | 3 | 4 | 3-3/4 | 5/8 |
| BP500-350 | BPA500-350-75 | BPA500-350-80 | 5 | 3-1/2 | 4 | 3-3/4 | 5/8 |
| BP500-400 | BPA500-400-75 | BPA500-400-80 | 5 | 4 | 4 | 3-3/4 | 5/8 |
| BP500-500 | BPA500-500-75 | BPA500-500-80 | 5 | 5 | 4 | 4 | 5/8 |
| BP600-250 | BPA600-250-75 | BPA600-250-80 | 6 | 2-1/2 | 3-1/2 | 3-1/2 | 1/2 |
| BP600-300 | BPA600-300-75 | BPA600-300-80 | 6 | 3 | 4 | 3-3/4 | 5/8 |
| BP600-350 | BPA600-350-75 | BPA600-350-80 | 6 | 3-1/2 | 4 | 3-3/4 | 5/8 |
| BP600-400 | BPA600-400-75 | BPA600-400-80 | 6 | 4 | 4 | 3-3/4 | 5/8 |
| BP600-500 | BPA600-500-75 | BPA600-500-80 | 6 | 5 | 4 | 4 | 5/8 |
| BP600-600 | BPA600-600-75 | BPA600-600-80 | 6 | 6 | 4 | 4 | 5/8 |



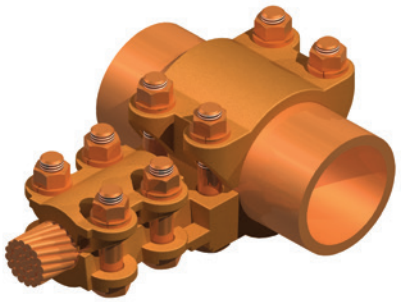


© 2011, AFL, all rights reserved. PP-3-00250, Revision 2, 3.18.14
Specifications are subject to change without notice.

# DOSSERT®

## TYPE BPCV-S, BP2CV-S

### Copper Tee Connector For Tubular Bus To A Cable Tap



A variable tap pipe to cable tee connector. Cable clamping section is provided with two independently acting high strength bronze saddles.

### Material

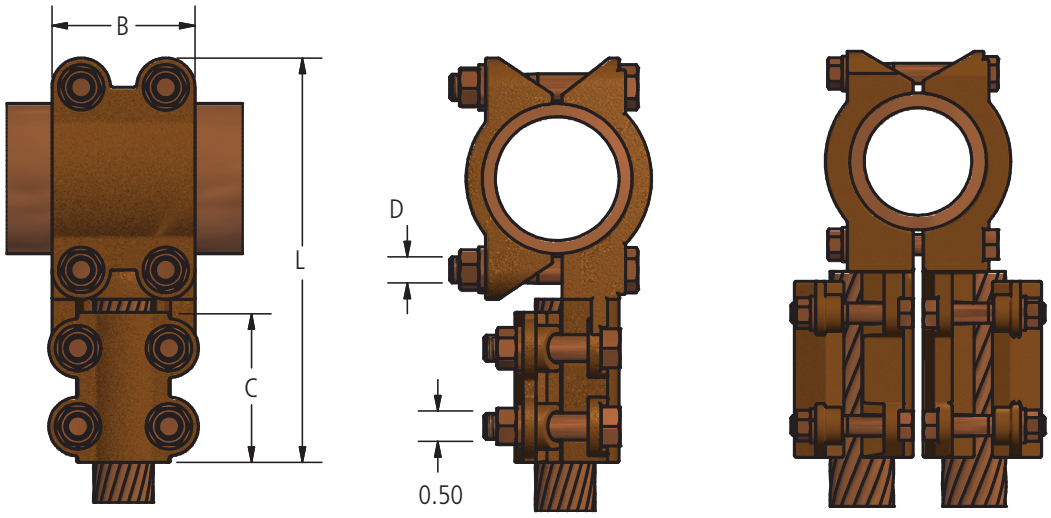
Copper Alloy

### Hardware

Everdur bolts, nuts and lockwashers

### Notes

- For tin plating add "-SN" to end of catalog number
- For tee connector 1" SPS pipe run and 300kcmil 2 cable tap, and tin plated order: BP2CV100-30-SN




BPCV-S

BP2CV-S





© 2011, AFL, all rights reserved. PP-3-00255, Revision 1, 1.25.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE BPCV-S, BP2CV-S

### Copper Tee Connector For Tubular Bus To A Cable Tap

## Ordering Information

| CATALOG NUMBER | | SPS | CABLE RANGE | | DIMENSIONS IN INCHES | | | |
|---|---|---|---|---|---|---|---|---|
| SINGLE CABLE | TWO CABLES | | MIN | MAX | B | C | L | D |
| BPCV50-25-S | BP2CV50-25-S | 1/2 | #4 SOL | 250 MCM | 2.50 | 2.75 | 5.63 | 0.50 |
| BPCV50-50-S | BP2CV50-50-S | 1/2 | 1/0 SOL | 500 MCM | 2.50 | 2.63 | 5.69 | 0.50 |
| BPCV75-25-S | BP2CV75-25-S | 3/4 | #4 SOL | 250 MCM | 2.63 | 2.63 | 5.69 | 0.50 |
| BPCV75-50-S | BP2CV75-50-S | 3/4 | 1/0 SOL | 500 MCM | 2.63 | 2.75 | 5.81 | 0.50 |
| BPCV100-50-S | BP2CV100-50-S | 1 | 1/0 SOL | 500 MCM | 2.63 | 2.75 | 5.94 | 0.50 |
| BPCV100-80-S | BP2CV100-80-S | 1 | 2/0 SOL | 800 MCM | 2.63 | 2.88 | 6.19 | 0.50 |
| BPCV100-100-S | BP2CV100-100-S | 1 | 4/0 SOL | 1000 MCM | 2.63 | 2.88 | 6.19 | 0.50 |
| BPCV100-200-S | BP2CV100-200-S | 1 | 500 MCM | 2000 MCM | 2.63 | 3.38 | 7.00 | 0.50 |
| BPCV125-50-S | BP2CV125-50-S | 1 1/4 | 1/0 SOL | 500 MCM | 2.50 | 2.63 | 6.31 | 0.50 |
| BPCV125-80-S | BP2CV125-80-S | 1 1/4 | 2/0 SOL | 800 MCM | 2.50 | 2.88 | 6.56 | 0.50 |
| BPCV125-100-S | BP2CV125-100-S | 1 1/4 | 4/0 SOL | 1000 MCM | 2.50 | 2.88 | 6.56 | 0.50 |
| BPCV125-150-S | BP2CV125-150-S | 1 1/4 | 250 MCM | 1500 MCM | 2.50 | 3.38 | 7.25 | 0.50 |
| BPCV150-50-S | BP2CV150-50-S | 1 1/2 | 1/0 SOL | 500 MCM | 2.50 | 2.75 | 6.63 | 0.50 |
| BPCV150-80-S | BP2CV150-80-S | 1 1/2 | 2/0 SOL | 800 MCM | 2.50 | 2.88 | 6.75 | 0.50 |
| BPCV150-100-S | BP2CV150-100-S | 1 1/2 | 4/0 SOL | 1000 MCM | 2.50 | 2.88 | 6.75 | 0.50 |
| BPCV150-150-S | BP2CV150-150-S | 1 1/2 | 250 MCM | 1500 MCM | 2.50 | 3.38 | 7.25 | 0.50 |
| BPCV150-200-S | BP2CV150-200-S | 1 1/2 | 500 MCM | 2000 MCM | 2.50 | 3.38 | 7.25 | 0.50 |
| BPCV200-50-S | BP2CV200-50-S | 2 | 1/0 SOL | 500 MCM | 2.75 | 2.75 | 7.13 | 0.50 |
| BPCV200-80-S | BP2CV200-80-S | 2 | 2/0 SOL | 800 MCM | 2.75 | 2.88 | 7.25 | 0.50 |
| BPCV200-100-S | BP2CV200-100-S | 2 | 4/0 SOL | 1000 MCM | 2.75 | 2.88 | 7.25 | 0.50 |
| BPCV200-150-S | BP2CV200-150-S | 2 | 250 MCM | 1500 MCM | 2.75 | 3.38 | 7.75 | 0.50 |
| BPCV200-200-S | BP2CV200-200-S | 2 | 500 MCM | 2000 MCM | 2.75 | 3.38 | 7.75 | 0.50 |
| BPCV250-50-S | BP2CV250-50-S | 2 1/2 | 1/0 SOL | 500 MCM | 2.75 | 2.75 | 7.63 | 0.50 |
| BPCV250-80-S | BP2CV250-80-S | 2 1/2 | 2/0 SOL | 800 MCM | 2.75 | 2.88 | 7.75 | 0.50 |
| BPCV250-100-S | BP2CV250-100-S | 2 1/2 | 4/0 SOL | 1000 MCM | 2.75 | 2.88 | 7.75 | 0.50 |
| BPCV250-150-S | BP2CV250-150-S | 2 1/2 | 250 MCM | 1500 MCM | 2.75 | 3.38 | 8.25 | 0.50 |
| BPCV250-200-S | BP2CV250-200-S | 2 1/2 | 500 MCM | 2000 MCM | 2.75 | 3.38 | 8.25 | 0.50 |
| BPCV300-25-S | BP2CV300-25-S | 3 | #4 SOL | 250 MCM | 3.00 | 2.75 | 8.25 | 0.50 |
| BPCV300-50-S | BP2CV300-50-S | 3 | 1/0 SOL | 500 MCM | 3.00 | 2.75 | 8.50 | 0.50 |
| BPCV300-80-S | BP2CV300-80-S | 3 | 2/0 SOL | 800 MCM | 3.00 | 2.88 | 8.63 | 0.50 |
| BPCV300-100-S | BP2CV300-100-S | 3 | 4/0 SOL | 1000 MCM | 3.00 | 2.88 | 8.63 | 0.50 |
| BPCV300-150-S | BP2CV300-150-S | 3 | 250 MCM | 1500 MCM | 3.00 | 3.38 | 9.13 | 0.50 |
| BPCV300-200-S | BP2CV300-200-S | 3 | 500 MCM | 2000 MCM | 3.00 | 3.38 | 9.13 | 0.50 |
| BPCV350-50-S | BP2CV350-50-S | 3 1/2 | 1/0 SOL | 500 MCM | 3.50 | 2.75 | 9.88 | 0.69 |
| BPCV350-150-S | BP2CV350-150-S | 3 1/2 | 1/0 SOL | 500 MCM | 3.50 | 3.38 | 9.25 | 0.69 |
| BPCV400-50-S | BP2CV400-50-S | 4 | 1/0 SOL | 500 MCM | 3.25 | 2.63 | 9.13 | 0.50 |
| BPCV400-100-S | BP2CV400-100-S | 4 | 4/0 SOL | 1000 MCM | 3.25 | 2.88 | 9.38 | 0.50 |
| BPCV600-50-S | BP2CV600-50-S | 6 | 1/0 SOL | 500 MCM | 5.75 | 2.88 | 11.63 | 0.69* |

*Part Supplied with (6) bolts for Fastening



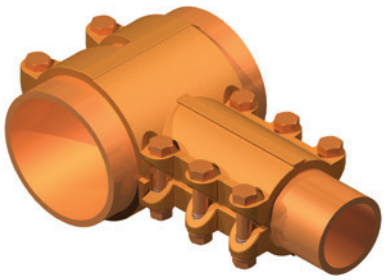


© 2011, AFL, all rights reserved. PP-3-00255, Revision 1, 1.25.18
Specifications are subject to change without notice.

DOSSERT®

# TYPE BPE

## Copper Heavy Duty Tee For Tubular Bus



A heavy duty tee connector for standard and extra heavy size of tubular bus. Designed to provide a minimum of four bolts for each conductor. Made of high strength high conductivity copper alloy and designed with a conductive area and contact surface to insure cooler-than-bus operation at maximum load conditions.

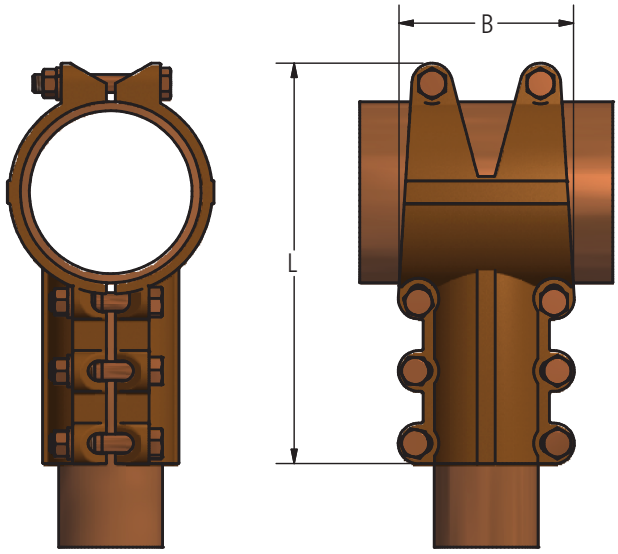
### Material

Copper Alloy

### Hardware

Everdur bolts, nuts and lockwashers






## Ordering Information

| CATALOG NUMBER | SPS | | DIMENSIONS IN INCHES | | BOLT SIZE |
|---|---|---|---|---|---|
| | RUN | TAP | B | L | |
| BPE50-50 | 1/2 | 1/2 | 2.50 | 4.50 | 3/8 |
| BPE75-50 | 3/4 | 1/2 | 2.50 | 4.75 | 3/8 |
| BPE75-75 | 3/4 | 3/4 | 2.69 | 4.75 | 3/8 |
| BPE100-50 | 1 | 1/2 | 2.50 | 5.25 | 3/8 |
| BPE100-75 | 1 | 3/4 | 2.69 | 5.38 | 3/8 |
| BPE100-100 | 1 | 1 | 2.94 | 5.50 | 3/8 |
| BPE125-50 | 1 1/4 | 1/2 | 2.50 | 5.88 | 3/8 |
| BPE125-75 | 1 1/4 | 3/4 | 2.69 | 6.00 | 3/8 |
| BPE125-100 | 1 1/4 | 1 | 2.88 | 6.25 | 1/2 |
| BPE125-125 | 1 1/4 | 1 1/4 | 3.81 | 7.00 | 1/2 |
| BPE150-50 | 1 1/2 | 1/2 | 2.50 | 5.94 | 3/8 |
| BPE150-75 | 1 1/2 | 3/4 | 2.69 | 6.06 | 3/8 |
| BPE150-100 | 1 1/2 | 1 | 2.94 | 6.13 | 3/8 |
| BPE150-125 | 1 1/2 | 1 1/4 | 3.81 | 7.25 | 1/2 |
| BPE150-150 | 1 1/2 | 1 1/2 | 4.00 | 7.69 | 1/2 |
| BPE200-50 | 2 | 1/2 | 4.13 | 6.88 | 1/2 |
| BPE200-75 | 2 | 3/4 | 2.69 | 6.38 | 3/8 |
| BPE200-100 | 2 | 1 | 2.94 | 6.75 | 3/8 |
| BPE200-125 | 2 | 1 1/4 | 3.81 | 7.50 | 1/2 |
| BPE200-150 | 2 | 1 1/2 | 4.00 | 8.06 | 1/2 |
| BPE200-200 | 2 | 2 | 4.50 | 8.25 | 1/2 |



© 2011, AFL, all rights reserved. PP-3-00256, Revision 3, 8.10.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE BPE

### Copper Heavy Duty Tee For Tubular Bus

## Ordering Information

| CATALOG NUMBER | SPS | | DIMENSIONS IN INCHES | | BOLT SIZE |
|---|---|---|---|---|---|
| | RUN | TAP | B | L | |
| BPE250-50 | 2 1/2 | 1/2 | 2.50 | 7.00 | 3/8 |
| BPE250-75 | 2 1/2 | 3/4 | 2.69 | 7.00 | 3/8 |
| BPE250-100 | 2 1/2 | 1 | 2.94 | 7.13 | 3/8 |
| BPE250-125 | 2 1/2 | 1 1/4 | 3.81 | 8.38 | 1/2 |
| BPE250-150 | 2 1/2 | 1 1/2 | 4.00 | 8.56 | 1/2 |
| BPE250-200 | 2 1/2 | 2 | 4.50 | 8.75 | 1/2 |
| BPE250-250 | 2 1/2 | 2 1/2 | 5.00 | 8.94 | 1/2 |
| BPE300-50 | 3 | 1/2 | 2.00 | 8.38 | 3/8 |
| BPE300-75 | 3 | 3/4 | 2.69 | 8.38 | 3/8 |
| BPE300-100 | 3 | 1 | 2.94 | 8.50 | 3/8 |
| BPE300-125 | 3 | 1 1/4 | 3.81 | 9.25 | 1/2 |
| BPE300-150 | 3 | 1 1/2 | 4.00 | 9.38 | 1/2 |
| BPE300-200 | 3 | 2 | 4.50 | 9.50 | 1/2 |
| BPE300-250 | 3 | 2 1/2 | 5.00 | 9.63 | 1/2 |
| BPE300-300 | 3 | 3 | 6.00 | 9.75 | 5/8 |
| BPE300-400 | 3 | 4 | 6.63 | 10.38 | 5/8 |
| BPE350-50 | 3 1/2 | 1/2 | 2.50 | 8.75 | 3/8 |
| BPE350-75 | 3 1/2 | 3/4 | 2.69 | 8.75 | 3/8 |
| BPE350-100 | 3 1/2 | 1 | 2.94 | 8.88 | 3/8 |
| BPE350-125 | 3 1/2 | 1 1/4 | 3.81 | 9.75 | 1/2 |
| BPE350-150 | 3 1/2 | 1 1/2 | 4.00 | 9.88 | 1/2 |
| BPE350-200 | 3 1/2 | 2 | 4.50 | 10.00 | 1/2 |
| BPE350-250 | 3 1/2 | 2 1/2 | 5.00 | 10.13 | 1/2 |
| BPE350-300 | 3 1/2 | 3 | 6.00 | 10.75 | 5/8 |
| BPE350-350 | 3 1/2 | 3 1/2 | 6.50 | 10.88 | 5/8 |
| BPE400-50 | 4 | 1/2 | 2.50 | 9.13 | 3/8 |
| BPE400-75 | 4 | 3/4 | 2.69 | 9.13 | 3/8 |
| BPE400-100 | 4 | 1 | 2.94 | 9.25 | 3/8 |
| BPE400-125 | 4 | 1 1/4 | 3.81 | 10.25 | 1/2 |
| BPE400-150 | 4 | 1 1/2 | 4.00 | 10.38 | 1/2 |
| BPE400-200 | 4 | 2 | 4.50 | 10.50 | 1/2 |
| BPE400-250 | 4 | 2 1/2 | 5.00 | 10.69 | 1/2 |
| BPE400-300 | 4 | 3 | 6.00 | 11.19 | 5/8 |
| BPE400-350 | 4 | 3 1/2 | 6.50 | 11.31 | 5/8 |
| BPE400-400 | 4 | 4 | 7.00 | 11.44 | 5/8 |





© 2011, AFL, all rights reserved. PP-3-00256, Revision 3, 8.10.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE EP

### Clamp Type Elbow For Tubular Bus



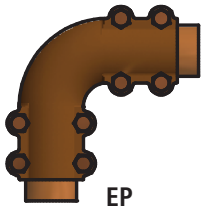
A clamp type elbow for connecting standard pipe size tubular buses at angles to each other. Conductor bearing areas are accurately machine finished with a special surface to provide good electrical contact and high pull-out strength.

### Material

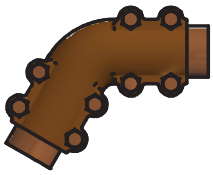
Copper Alloy

### Hardware

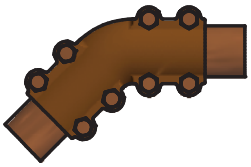
Everdur bolts, nuts and lockwashers



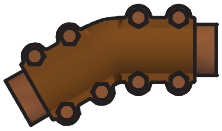
EP
90 DEG



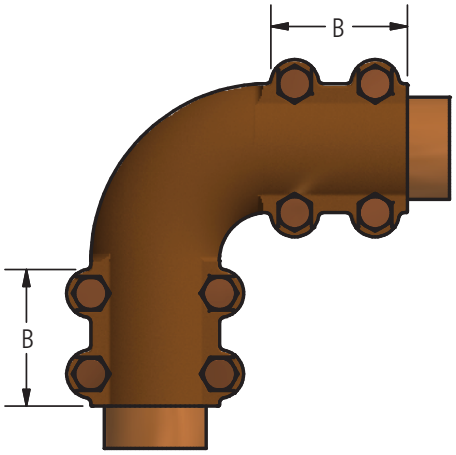
EP-60
60 DEG

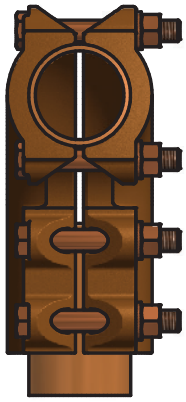


EP-45
45 DEG



EP-30
30 DEG



## Ordering Information

| CATALOG NUMBER | | | | SPS | DIMENSIONS IN INCHES | BOLT SIZE | NUMBER OF BOLTS |
|---|---|---|---|---|---|---|---|
| 90 DEG | 60 DEG | 45 DEG | 30 DEG | | B | | |
| EP25 | EP25-60 | EP25-45 | EP25-30 | 1/4 | 1 1/4 | 3/8 | 4 |
| EP38 | EP38-60 | EP38-45 | EP38-30 | 3/8 | 1 1/2 | 3/8 | 4 |
| EP50* | EP50-60 | EP50-45 | EP50-30 | 1/2 | 1 1/2 | 3/8 | 6 |
| EP75 | EP75-60 | EP75-45 | EP75-30 | 3/4 | 1 3/4 | 3/8 | 6 |
| EP100 | EP100-60 | EP100-45 | EP100-30 | 1 | 2 1/8 | 3/8 | 8 |
| EP125 | EP125-60 | EP125-45 | EP125-30 | 1 1/4 | 2 1/4 | 1/2 | 8 |
| EP150 | EP150-60 | EP150-45 | EP150-30 | 1 1/2 | 2 1/2 | 1/2 | 8 |
| EP200 | EP200-60 | EP200-45 | EP200-30 | 2 | 2 3/4 | 1/2 | 8 |
| EP250 | EP250-60 | EP250-45 | EP250-30 | 2 1/2 | 3 | 1/2 | 8 |
| EP300 | EP300-60 | EP300-45 | EP300-30 | 3 | 3 1/2 | 5/8 | 8 |
| EP350 | EP350-60 | EP350-45 | EP350-30 | 3 1/2 | 3 5/8 | 5/8 | 8 |
| EP400 | EP400-60 | EP400-45 | EP400-30 | 4 | 3 5/8 | 5/8 | 8 |
| EP600 | EP600-60 | EP600-45 | EP600-30 | 6 | 6 1/4 | 5/8 | 12 |

* EP50 has 8 bolts and "B" is 2 inches

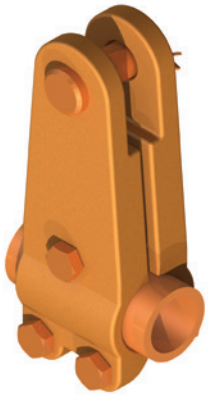


© 2011, AFL, all rights reserved. PP-3-00327, Revision 1, 5.9.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE PSK, PSKS

### Suspension Type Bus Support For Tubular Bus With Ball Eye



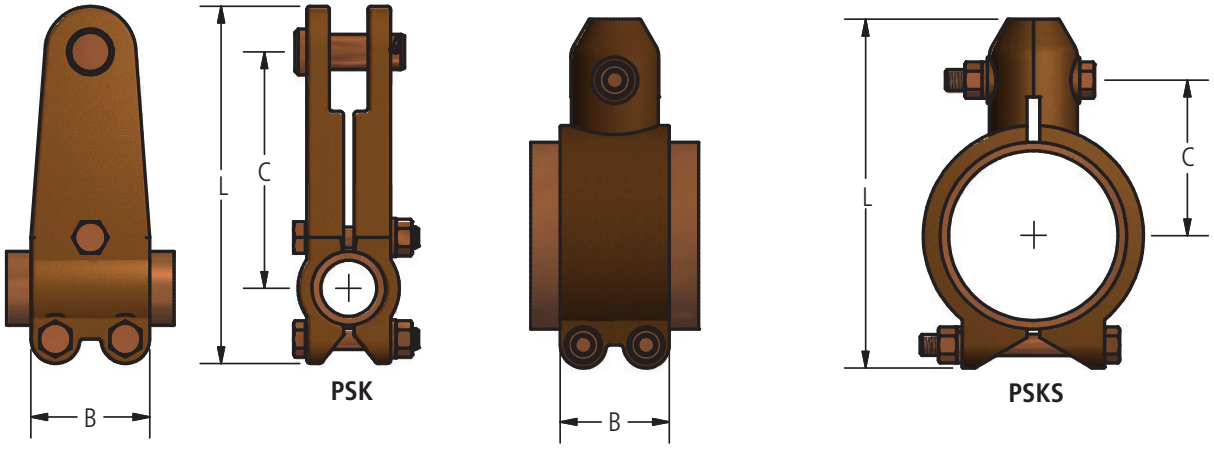
Suspension type bus support clamps for mounting tubular bus to the underside of suspension insulators. Type PSK is provided with a clevis yoke for connecting bus support to an insulator clevis eye while type PSKS is provided with a ball socket for connecting bus support to an insulator ball eye.

### Material

Copper Alloy

### Hardware

Everdur bolts, nuts and lockwashers




## Ordering Information

| CATALOG NUMBER | | SPS | DIMENSIONS IN INCHES | | | |
|---|---|---|---|---|---|---|
| PSK SERIES | PSKS SERIES | | B | C | L | BOLT SIZE |
| PSK50 | PSKS50 | 1/2 | 2 1/8 | 3 | 5 3/16 | 3/8 |
| PSK75 | PSKS75 | 3/4 | 2 1/8 | 3 3/16 | 5 7/16 | 3/8 |
| PSK100 | PSKS100 | 1 | 2 1/8 | 3 7/16 | 5 13/16 | 3/8 |
| PSK125 | PSKS125 | 1 1/4 | 2 1/8 | 3 1/2 | 6 1/8 | 1/2 |
| PSK150 | PSKS150 | 1 1/2 | 2 5/8 | 3 13/16 | 6 5/8 | 1/2 |
| PSK200 | PSKS200 | 2 | 2 5/8 | 4 | 7 3/8 | 1/2 |
| PSK250 | PSKS250 | 2 1/2 | 2 5/8 | 4 1/4 | 7 13/16 | 1/2 |
| PSK300 | PSKS300 | 3 | 3 5/16 | 4 5/8 | 8 15/16 | 5/8 |
| PSK350 | PSKS350 | 3 1/2 | 3 5/16 | 5 | 9 7/16 | 5/8 |
| PSK400 | PSKS400 | 4 | 3 5/16 | 5 3/8 | 9 7/8 | 5/8 |

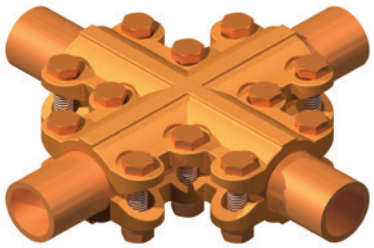




© 2011, AFL, all rights reserved. PP-3-00410, Revision 1, 8.2.13
Specifications are subject to change without notice.

# DOSSERT®

## TYPE PX
### Tubular Cross Connector



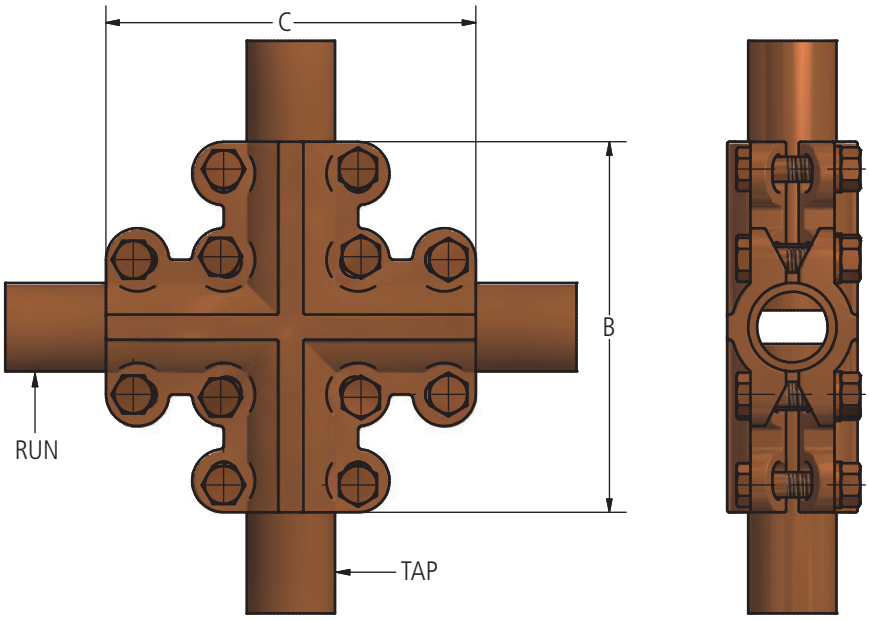
A cross connector for joining two branches to a tubular bus main or for providing a junction for four independent tubular busses. Can be made to accommodate various sizes of conductors.

### Material

Copper Alloy

### Hardware

Everdur bolts, nuts and lockwashers




## Ordering Information

| CATALOG NUMBER | SPS | | DIMENSIONS IN INCHES | | BOLT SIZE |
|---|---|---|---|---|---|
| | RUN | TAP | B | C | |
| PX50-50 | 1/2 | 1/2 | 4-3/4 | 4-3/4 | 3/8 |
| PX75-50 | 3/4 | 1/2 | 4-3/4 | 4-3/4 | 3/8 |
| PX75-75 | 3/4 | 3/4 | 4-3/4 | 4-3/4 | 3/8 |
| PX100-50 | 1 | 1/2 | 4-3/4 | 5-7/16 | 3/8 |
| PX100-75 | 1 | 3/4 | 4-3/4 | 5-7/16 | 3/8 |
| PX100-100 | 1 | 1 | 5-7/16 | 5-7/16 | 3/8 |
| PX125-75 | 1-1/4 | 3/4 | 4-3/4 | 6-1/2 | 3/8 |
| PX125-100 | 1-1/4 | 1 | 6-1/2 | 6-1/2 | 1/2 |
| PX125-125 | 1-1/4 | 1-1/4 | 6-11/16 | 6-11/16 | 1/2 |
| PX150-150 | 1-1/2 | 1-1/2 | 7-1/8 | 7-1/8 | 1/2 |
| PX200-200 | 2 | 2 | 7-13/16 | 7-13/16 | 1/2 |
| PX250-250 | 2-1/2 | 2-1/2 | 8-5/16 | 8-5/16 | 1/2 |
| PX300-300 | 3 | 3 | 9-7/8 | 9-7/8 | 5/8 |
| PX350-350 | 3-1/2 | 3-1/2 | 11-1/8 | 11-1/8 | 5/8 |
| PX400-400 | 4 | 4 | 12-1/4 | 12-1/4 | 5/8 |





© 2011, AFL, all rights reserved. PP-3-00420, Revision 0, 2.24.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE U2T, UUTT

**The U2T is a double tap single run, while the UUTT is a double tap double run.**

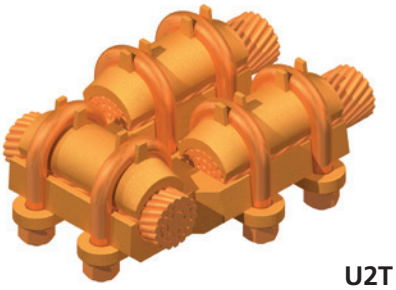
Each tap position independently takes a wide range of conductor sizes. A well-balanced contact and conductive areas assure cool operation at maximum loads.

**Material**

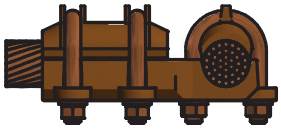
Copper Alloy

**Hardware**

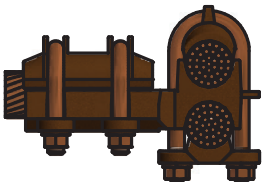
Everdur U-bolts, nuts and lockwashers



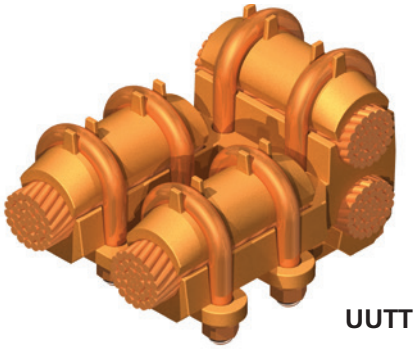
U2T



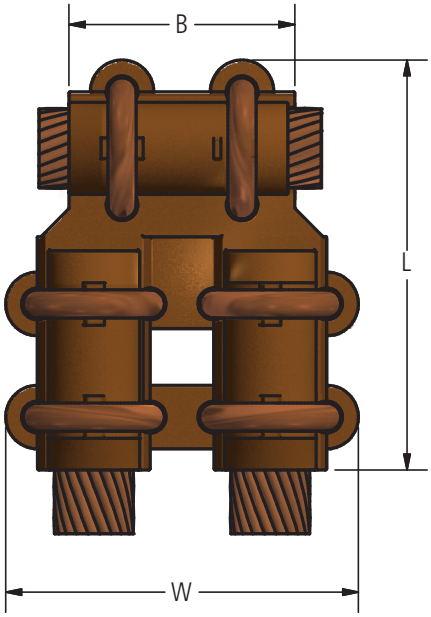
U2T

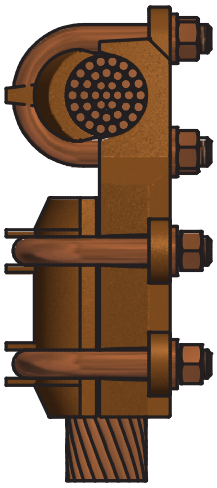


UUTT



UUTT





© 2011, AFL, all rights reserved. PP-3-00487, Revision 2, 2.1.2023
Specifications are subject to change without notice.

DOSSERT®

# TYPE U2T, UUTT

**The U2T is a double tap single run, while the UUTT is a double tap double run.**

## Ordering Information

| CATALOG NUMBER | | CABLE RANGE RUN | | CABLE RANGE TAP | | DIMENSIONS IN INCHES | | | U-BOLT DIA. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | MIN | MAX | MIN | MAX | B | L | W | MAIN | TAP |
| U2T13-13 | UUTT13-13 | # 6 STRanded | 2/0 STRanded | #6 STRanded | 2/0 STRanded | 3 1/4 | 4 1/4 | 3 1/4 | 5/16 | 5/16 |
| U2T21-21 | UUTT21-21 | #1 STRanded | 4/0 STRanded | #1 STRanded | 4/0 STRanded | 3 1/4 | 4 1/2 | 3 3/4 | 3/8 | 3/8 |
| U2T30-13 | UUTT30-13 | 1/0 STRanded | 300 MCM | #6 STRanded | 2/0 STRanded | 3 1/4 | 4 1/4 | 3 1/4 | 3/8 | 3/8 |
| U2T30-30 | UUTT30-30 | 1/0 STRanded | 300 MCM | 1/0 STRanded | 300 MCM | 3 3/4 | 4 1/2 | 4 | 3/8 | 3/8 |
| U2T50-13 | UUTT50-13 | 300 MCM | 500 MCM | #6 STRanded | 2/0 STRanded | 3 1/4 | 4 3/8 | 3 1/4 | 3/8 | 5/16 |
| U2T50-21 | UUTT50-21 | 300 MCM | 500 MCM | #1 STRanded | 4/0 STRanded | 3 1/4 | 4 3/4 | 3 3/4 | 3/8 | 3/8 |
| U2T50-30 | UUTT50-30 | 300 MCM | 500 MCM | 1/0 STRanded | 300 MCM | 4 1/4 | 4 7/8 | 4 | 3/8 | 3/8 |
| U2T50-50 | UUTT50-50 | 300 MCM | 500 MCM | 300 MCM | 500 MCM | 4 1/4 | 5 1/8 | 4 3/8 | 3/8 | 3/8 |
| U2T80-13 | UUTT80-13 | 500 MCM | 800 MCM | #6 STRanded | 2/0 STRanded | 3 1/4 | 5 1/4 | 3 1/4 | 1/2 | 5/16 |
| U2T80-21 | UUTT80-21 | 500 MCM | 800 MCM | #1 STRanded | 4/0 STRanded | 3 1/4 | 5 7/8 | 3 3/4 | 1/2 | 3/8 |
| U2T80-30 | UUTT80-30 | 500 MCM | 800 MCM | 1/0 STRanded | 300 MCM | 4 1/4 | 6 | 4 | 1/2 | 3/8 |
| U2T80-50 | UUTT80-50 | 500 MCM | 800 MCM | 300 MCM | 500 MCM | 4 1/4 | 6 1/4 | 4 3/8 | 1/2 | 3/8 |
| U2T80-80 | UUTT80-80 | 500 MCM | 800 MCM | 500 MCM | 800 MCM | 5 1/4 | 6 1/2 | 5 1/2 | 1/2 | 1/2 |
| U2T100-13 | UUTT100-13 | 750 MCM | 1000 MCM | #6 STRanded | 2/0 STRanded | 4 1/4 | 5 1/2 | 3 1/4 | 1/2 | 5/16 |
| U2T100-21 | UUTT100-21 | 750 MCM | 1000 MCM | #1 STRanded | 4/0 STRanded | 4 1/4 | 5 5/8 | 3 3/4 | 1/2 | 3/8 |
| U2T100-30 | UUTT100-30 | 750 MCM | 1000 MCM | 1/0 STRanded | 300 MCM | 4 1/4 | 5 3/4 | 4 | 1/2 | 3/8 |
| U2T100-50 | UUTT100-50 | 750 MCM | 1000 MCM | 300 MCM | 500 MCM | 4 1/4 | 6 | 4 3/8 | 1/2 | 3/8 |
| U2T100-80 | UUTT100-80 | 750 MCM | 1000 MCM | 500 MCM | 800 MCM | 5 1/4 | 6 1/4 | 5 1/2 | 1/2 | 1/2 |
| U2T100-100 | UUTT100-100 | 750 MCM | 1000 MCM | 750 MCM | 1000 MCM | 5 1/4 | 6 1/2 | 5 7/8 | 1/2 | 1/2 |
| U2T150-13 | UUTT150-13 | 1000 MCM | 1500 MCM | #6 STRanded | 2/0 STRanded | 4 1/4 | 5 3/4 | 3 1/4 | 1/2 | 5/16 |
| U2T150-21 | UUTT150-21 | 1000 MCM | 1500 MCM | #1 STRanded | 4/0 STRanded | 4 1/4 | 5 7/8 | 3 3/4 | 1/2 | 3/8 |
| U2T150-30 | UUTT150-30 | 1000 MCM | 1500 MCM | 1/0 STRanded | 300 MCM | 4 1/4 | 6 | 4 | 1/2 | 3/8 |
| U2T150-50 | UUTT150-50 | 1000 MCM | 1500 MCM | 300 MCM | 500 MCM | 4 1/4 | 6 1/4 | 4 3/8 | 1/2 | 3/8 |
| U2T150-80 | UUTT150-80 | 1000 MCM | 1500 MCM | 500 MCM | 800 MCM | 5 1/4 | 6 1/2 | 5 1/2 | 1/2 | 1/2 |
| U2T150-100 | UUTT150-100 | 1000 MCM | 1500 MCM | 750 MCM | 1000 MCM | 5 1/4 | 6 3/4 | 5 7/8 | 1/2 | 1/2 |
| U2T150-150 | UUTT150-150 | 1000 MCM | 2000 MCM | 1000 MCM | 2000 MCM | 4 | 7 1/4 | 6 1/4 | 1/2 | 1/2 |
| U2T200-30 | UUTT200-30 | 1500 MCM | 2000 MCM | 1/0 STRanded | 300 MCM | 4 1/4 | 6 1/4 | 4 | 1/2 | 3/8 |
| U2T200-50 | UUTT200-50 | 1500 MCM | 2000 MCM | 300 MCM | 500 MCM | 4 1/4 | 6 1/2 | 4 3/8 | 1/2 | 3/8 |
| U2T200-80 | UUTT200-80 | 1500 MCM | 2000 MCM | 500 MCM | 800 MCM | 4 1/2 | 6 11/16 | 5 1/2 | 1/2 | 1/2 |
| U2T200-100 | UUTT200-100 | 1500 MCM | 2000 MCM | 750 MCM | 1000 MCM | 5 1/4 | 7 | 5 7/8 | 1/2 | 1/2 |
| U2T200-150 | UUTT200-150 | 1500 MCM | 2000 MCM | 1000 MCM | 1500 MCM | 6 3/8 | 7 1/2 | 6 5/8 | 1/2 | 1/2 |
| U2T200-200 | UUTT200-200 | 1500 MCM | 2000 MCM | 1500 MCM | 2000 MCM | 4 1/2 | 8 1/2 | 6 7/8 | 1/2 | 1/2 |

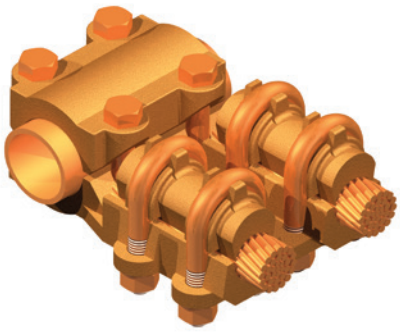


© 2011, AFL, all rights reserved. PP-3-00487, Revision 2, 2.1.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE UP2T

### Copper Tee For Tubular Bus To Double Cable Tap



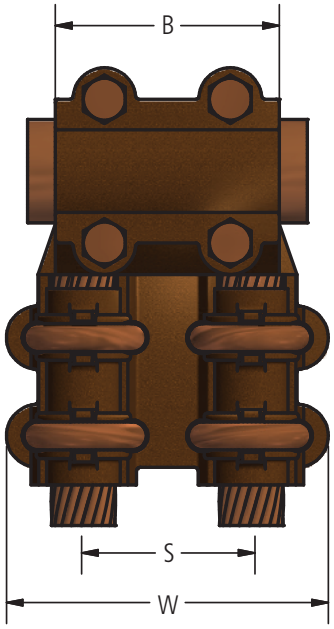
A double tap tee connector for a standard pipe size run to two cable taps.Each cable position independently takes a wide range of conductors.

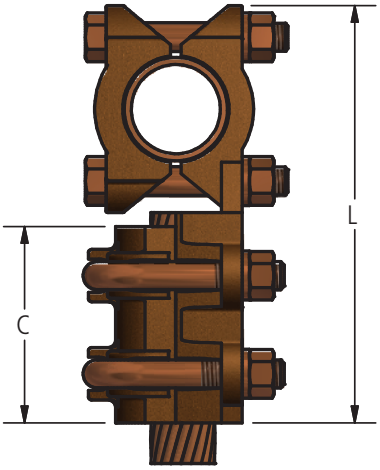
### Material

Copper Alloy

### Hardware

Everdur bolts, nuts, lockwashers, and U-bolts








© 2011, AFL, all rights reserved. PP-3-00508, Revision 0, 2.24.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE UP2T

### Copper Tee For Tubular Bus To Double Cable Tap

## Ordering Information

| CATALOG NUMBER | SPS | CABLE RANGE | | DIMENSIONS IN INCHES | | | | | BOLT SIZE | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | MIN | MAX | B | C | L | S | W | RUN | TAP |
| UP2T38-13 | 3/8 | 6 STR | 2/0 STR | 2 | 2 1/2 | 4 13/16 | 1 11/16 | 3 1/4 | 3/8 | 5/16 |
| UP2T50-13 | 1/2 | 6 STR | 2/0 STR | 2 | 2 1/2 | 5 | 1 11/16 | 3 1/4 | 3/8 | 5/16 |
| UP2T50-21 | 1/2 | 1 STR | 4/0 STR | 2 | 2 5/8 | 5 1/8 | 1 31/32 | 3 3/4 | 3/8 | 3/8 |
| UP2T50-30 | 1/2 | 1/0 STR | 300 MCM | 2 | 2 3/4 | 5 1/4 | 2 1/16 | 4 | 3/8 | 3/8 |
| UP2T75-13 | 3/4 | 6 STR | 2/0 STR | 2 | 2 1/2 | 5 3/16 | 1 11/16 | 3 1/4 | 3/8 | 5/16 |
| UP2T75-21 | 3/4 | 1 STR | 4/0 STR | 2 | 2 5/8 | 5 5/16 | 1 31/32 | 3 3/4 | 3/8 | 3/8 |
| UP2T75-30 | 3/4 | 1/0 STR | 300 MCM | 2 | 2 3/4 | 5 7/16 | 2 1/16 | 4 | 3/8 | 3/8 |
| UP2T75-50 | 3/4 | 300 MCM | 500 MCM | 2 | 3 | 5 11/16 | 2 1/4 | 4 3/8 | 3/8 | 3/8 |
| UP2T100-13 | 1 | 6 STR | 2/0 STR | 2 1/4 | 2 1/2 | 5 1/2 | 1 11/16 | 3 1/4 | 3/8 | 5/16 |
| UP2T100-21 | 1 | 1 STR | 4/0 STR | 2 1/4 | 2 5/8 | 5 5/8 | 1 31/32 | 3 3/4 | 3/8 | 3/8 |
| UP2T100-30 | 1 | 1/0 STR | 300 MCM | 2 1/4 | 2 3/4 | 5 3/4 | 2 1/16 | 4 | 3/8 | 3/8 |
| UP2T100-50 | 1 | 300 MCM | 500 MCM | 2 1/4 | 3 | 6 | 2 1/4 | 4 3/8 | 3/8 | 3/8 |
| UP2T100-80 | 1 | 500 MCM | 800 MCM | 2 3/4 | 3 1/4 | 6 3/4 | 2 27/32 | 5 1/2 | 1/2 | 1/2 |
| UP2T125-13 | 1 1/4 | 6 STR | 2/0 STR | 2 1/4 | 2 1/2 | 5 3/4 | 1 11/16 | 3 1/4 | 3/8 | 5/16 |
| UP2T125-21 | 1 1/4 | 1 STR | 4/0 STR | 2 1/4 | 2 5/8 | 5 7/8 | 1 31/32 | 3 1/4 | 3/8 | 3/8 |
| UP2T125-30 | 1 1/4 | 1/0 STR | 300 MCM | 2 1/4 | 2 3/4 | 6 | 2 1/16 | 4 | 3/8 | 3/8 |
| UP2T125-50 | 1 1/4 | 300 MCM | 500 MCM | 2 1/4 | 3 | 6 1/4 | 2 1/4 | 4 3/8 | 3/8 | 3/8 |
| UP2T125-80 | 1 1/4 | 500 MCM | 800 MCM | 2 3/4 | 3 1/4 | 6 7/8 | 2 27/32 | 5 1/2 | 1/2 | 1/2 |
| UP2T125-100 | 1 1/4 | 750 MCM | 1000 MCM | 2 3/4 | 3 1/2 | 7 3/10 | 3 | 5 7/8 | 1/2 | 1/2 |
| UP2T150-21 | 1 1/2 | 1 STR | 4/0 STR | 2 1/4 | 2 5/8 | 6 3/16 | 1 31/32 | 3 3/4 | 3/8 | 3/8 |
| UP2T150-30 | 1 1/2 | 1/0 STR | 300 MCM | 2 1/4 | 2 3/4 | 6 5/16 | 2 1/16 | 4 | 3/8 | 3/8 |
| UP2T150-50 | 1 1/2 | 300 MCM | 500 MCM | 2 1/4 | 3 | 6 9/16 | 2 1/4 | 4 3/8 | 3/8 | 3/8 |
| UP2T150-80 | 1 1/2 | 500 MCM | 800 MCM | 2 3/4 | 3 1/4 | 7 3/16 | 2 27/32 | 5 1/2 | 1/2 | 1/2 |
| UP2T150-100 | 1 1/2 | 750 MCM | 1000 MCM | 2 3/4 | 3 1/2 | 7 7/16 | 3 | 5 7/8 | 1/2 | 1/2 |
| UP2T200-21 | 2 | 1 STR | 4/0 STR | 2 1/4 | 2 5/8 | 6 5/8 | 1 31/32 | 3 3/4 | 3/8 | 3/8 |
| UP2T200-30 | 2 | 1/0 STR | 300 MCM | 2 1/4 | 2 3/4 | 6 3/4 | 2 1/16 | 4 | 3/8 | 3/8 |
| UP2T200-50 | 2 | 300 MCM | 500 MCM | 2 3/4 | 3 | 7 | 2 1/4 | 4 3/8 | 3/8 | 3/8 |
| UP2T200-80 | 2 | 500 MCM | 800 MCM | 3 1/4 | 3 1/4 | 7 5/8 | 2 27/32 | 5 5/8 | 1/2 | 1/2 |
| UP2T200-100 | 2 | 750 MCM | 1000 MCM | 3 1/4 | 3 1/2 | 8 1/8 | 3 | 5 1/2 | 1/2 | 1/2 |
| UP2T200-150 | 2 | 1000 MCM | 1500 MCM | 3 3/4 | 4 | 8 5/8 | 3 1/4 | 6 5/8 | 1/2 | 1/2 |
| UP2T250-30 | 2 1/2 | 1/0 STR | 300 MCM | 2 1/4 | 2 3/4 | 7 1/4 | 2 1/16 | 4 | 3/8 | 3/8 |
| UP2T250-50 | 2 1/2 | 300 MCM | 500 MCM | 2 3/4 | 3 | 7 1/2 | 2 1/4 | 4 3/8 | 3/8 | 3/8 |
| UP2T250-80 | 2 1/2 | 500 MCM | 800 MCM | 3 1/4 | 3 1/4 | 8 1/8 | 2 27/32 | 5 1/2 | 1/2 | 1/2 |
| UP2T250-100 | 2 1/2 | 750 MCM | 1000 MCM | 3 1/4 | 3 1/2 | 8 3/8 | 3 | 5 7/8 | 1/2 | 1/2 |
| UP2T250-150 | 2 1/2 | 1000 MCM | ]500 MCM | 4 | 4 | 9 | 3 1/4 | 6 5/8 | 1/2 | 1/2 |
| UP2T300-30 | 3 | 1/0 STR | 300 MCM | 2 1/4 | 2 3/4 | 7 7/8 | 2 1/16 | 4 | 3/8 | 3/8 |
| UP2T300-50 | 3 | 30 C MCM | 500 MCM | 2 3/4 | 3 | 8 1/8 | 2 1/4 | 4 3/8 | 3/8 | 3/8 |
| UP2T300-80 | 3 | 500 MCM | 800 MCM | 3 1/4 | 3 1/4 | 8 3/4 | 2 27/32 | 5 1/2 | 1/2 | 1/2 |
| UP2T300-100 | 3 | 750 MCM | 1000 MCM | 3 1/4 | 3 1/2 | 9 | 3 | 5 7/8 | 1/2 | 1/2 |
| UP2T300-150 | 3 | 1000 MCM | 1500 MCM | 4 | 4 | 9 1/2 | 3 1/4 | 6 5/8 | 1/2 | 1/2 |
| UP2T350-30 | 3 1/2 | 1/0 STR | 300 MCM | 2 1/4 | 2 3/4 | 8 3/8 | 2 1/16 | 4 | 3/8 | 3/8 |
| UP2T350-50 | 3 1/2 | 300 MCM | 500 MCM | 2 3/4 | 3 | 8 5/8 | 2 1/4 | 4 | 3/8 | 3/8 |
| UP2T350-80 | 3 1/2 | 500 MCM | 800 MCM | 3 1/4 | 3 1/4 | 9 1/4 | 2 27/32 | 5 1/2 | 1/2 | 1/2 |
| UP2T350-100 | 3 1/2 | 750 MCM | 1000 MCM | 3 1/4 | 3 1/2 | 9 1/2 | 3 | 5 7/8 | 1/2 | 1/2 |
| UP2T350-150 | 3 1/2 | 1000 MCM | 1500 MCM | 4 | 4 | 10 | 3 1/4 | 6 5/8 | 1/2 | 1/2 |
| UP2T400-30 | 4 | 1/0 STR | 300 MCM | 2 1/4 | 2 3/4 | 8 7/8 | 2 1/16 | 4 | 3/8 | 3/8 |
| UP2T400-50 | 4 | 300 MCM | 500 MCM | 2 3/4 | 3 | 9 1/8 | 2 1/4 | 4 3/8 | 3/8 | 3/8 |
| UP2T400-80 | 4 | 500 MCM | 800 MCM | 3 1/4 | 3 1/4 | 9 3/4 | 2 27/32 | 5 1/2 | 1/2 | 1/2 |
| UP2T400-100 | 4 | 750 MCM | 1000 MCM | 3 1/4 | 3 1/2 | 10 | 3 | 5 7/8 | 1/2 | 1/2 |
| UP2T400-150 | 4 | 1000 MCM | 1500 MCM | 4 | 4 | 10 1/2 | 3 1/4 | 6 5/8 | 1/2 | 1/2 |



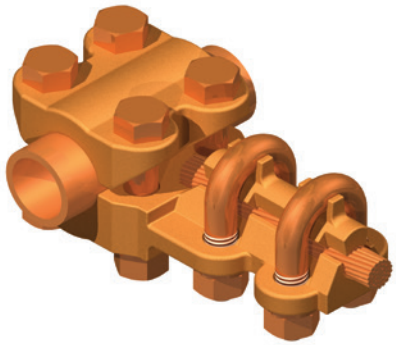


© 2011, AFL, all rights reserved. PP-3-00508, Revision 0, 2.24.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE UPT

### Copper Pipe To Cable Tee Connector



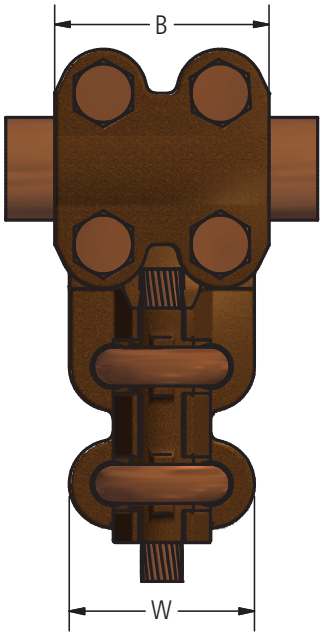
A pipe to cable tee connector. The U-bolt variable clamping feature on the tap permits a number of cable sizes for one size of pipe. All bolts, nuts, lockwashers are of Everdur material.

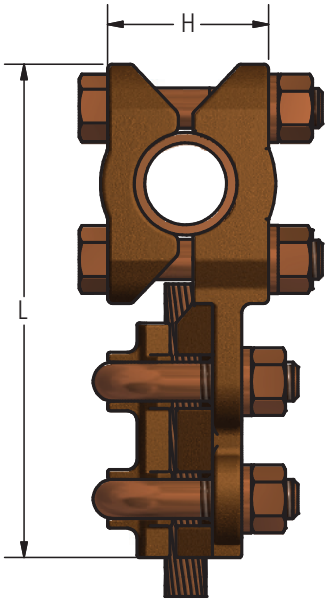
### Material

Cast High Conductivity Copper Alloy

### Hardware

Everdur bolts, nuts, lockwashers, and U-bolts








© 2011, AFL, all rights reserved. PP-3-00511, Revision 1, 4.29.15
Specifications are subject to change without notice.

# DOSSERT®

## TYPE UPT

**Copper Pipe To Cable Tee Connector**

### Ordering Information

| CATALOG NUMBER | SPS | CABLE RANGE | | DIMENSIONS IN INCHES | | | | U-BOLT DIAMETER | |
|---|---|---|---|---|---|---|---|---|---|
| | | MIN | MAX | B | H MAX | L | W | SPS | CABLE |
| UPT50-13 | 1/2 | 6 STR | 2/0 STR | 2 | 1 3/4 | 5 1/8 | 1 5/8 | 3/8 | 3/8 |
| UPT50-21 | 1/2 | 1 STR | 4/0 STR | 2 | 1 3/4 | 5 1/4 | 1 15/16 | 3/8 | 3/8 |
| UPT50-30 | 1/2 | 1/0 STR | 300 MCM | 2 | 1 3/4 | 5 3/8 | 2 | 3/8 | 3/8 |
| UPT75-13 | 3/4 | 6 STR | 2/0 STR | 2 | 2 | 5 1/8 | 1 5/8 | 3/8 | 3/8 |
| UPT75-21 | 3/4 | 1 STR | 4/0 STR | 2 | 2 | 5 1/4 | 1 15/16 | 3/8 | 3/8 |
| UPT75-30 | 3/4 | 1/0 STR | 300 MCM | 2 | 2 | 5 3/8 | 2 | 3/8 | 3/8 |
| UPT75-50 | 3/4 | 300 MCM | 500 MCM | 2 | 2 | 5 1/2 | 2 1/8 | 3/8 | 3/8 |
| UPT100-13 | 1 | 6 STR | 2/0 STR | 2 | 2 | 5 5/8 | 1 5/8 | 3/8 | 3/8 |
| UPT100-21 | 1 | 1 STR | 4/0 STR | 2 | 2 1/8 | 5 3/4 | 1 15/16 | 3/8 | 3/8 |
| UPT100-30 | 1 | 1/0 STR | 300 MCM | 2 | 2 1/8 | 5 7/8 | 2 | 3/8 | 3/8 |
| UPT100-50 | 1 | 300 MCM | 500 MCM | 2 | 2 1/8 | 6 | 2 1/8 | 3/8 | 3/8 |
| UPT100-80 | 1 | 500 MCM | 800 MCM | 2 | 2 1/8 | 6 1/8 | 2 3/8 | 3/8 | 1/2 |
| UPT125-13 | 1 1/4 | 6 STR | 2/0 STR | 2 | 2 3/8 | 5 7/8 | 1 5/8 | 3/8 | 3/8 |
| UPT125-21 | 1 1/4 | 1 STR | 4/0 STR | 2 | 2 3/8 | 6 | 1 15/16 | 3/8 | 3/8 |
| UPT125-30 | 1 1/4 | 1/0 STR | 300 MCM | 2 | 2 3/8 | 6 1/8 | 2 | 3/8 | 3/8 |
| UPT125-50 | 1 1/4 | 300 MCM | 500 MCM | 2 | 2 3/8 | 6 1/4 | 2 1/8 | 3/8 | 3/8 |
| UPT125-80 | 1 1/4 | 500 MCM | 800 MCM | 2 | 2 3/8 | 6 3/8 | 2 3/8 | 3/8 | 1/2 |
| UPT125-100 | 1 1/4 | 750 MCM | 1000 MCM | 2 3/4 | 2 1/2 | 7 1/4 | 2 7/8 | 1/2 | 1/2 |
| UPT150-21 | 1 1/2 | 1 STR | 4/0 STR | 2 | 2 3/8 | 6 1/8 | 1 15/16 | 3/8 | 3/8 |
| UPT150-30 | 1 1/2 | 1/0 STR | 300 MCM | 2 | 2 1/2 | 6 1/4 | 2 | 3/8 | 3/8 |
| UPT150-50 | 1 1/2 | 300 MCM | 500 MCM | 2 | 2 1/2 | 6 3/8 | 2 1/8 | 3/8 | 3/8 |
| UPT150-80 | 1 1/2 | 500 MCM | 800 MCM | 2 | 2 1/2 | 6 1/2 | 2 3/8 | 3/8 | 1/2 |
| UPT150-100 | 1 1/2 | 750 MCM | 1000 MCM | 2 3/4 | 2 3/4 | 7 3/8 | 2 7/8 | 1/2 | 1/2 |
| UPT200-21 | 2 | 1 STR | 4/0 STR | 2 | 2 7/8 | 6 13/16 | 1 15/16 | 3/8 | 3/8 |
| UPT200-30 | 2 | 1/0 STR | 300 MCM | 2 | 2 7/8 | 6 15/16 | 2 | 3/8 | 3/8 |
| UPT200-50 | 2 | 300 MCM | 500 MCM | 2 | 3 | 7 1/16 | 2 1/8 | 3/8 | 3/8 |
| UPT200-80 | 2 | 500 MCM | 800 MCM | 2 | 3 | 7 3/16 | 2 3/8 | 3/8 | 1/2 |
| UPT200-100 | 2 | 750 MCM | 1000 MCM | 2 3/4 | 3 | 8 1/16 | 2 7/8 | 1/2 | 1/2 |
| UPT200-150 | 2 | 1000 MCM | 1500 MCM | 2 3/4 | 3 1/8 | 8 9/16 | 3 1/4 | 1/2 | 1/2 |
| UPT250-21 | 2 1/2 | 1 STR | 4/0 STR | 2 | 3 7/16 | 7 1/8 | 1 15/16 | 3/8 | 3/8 |
| UPT250-30 | 2 1/2 | 1/0 STR | 300 MCM | 2 | 3 1/2 | 7 1/4 | 2 | 3/8 | 3/8 |
| UPT250-50 | 2 1/2 | 300 MCM | 500 MCM | 2 | 3 1/2 | 7 3/8 | 2 1/8 | 3/8 | 3/8 |
| UPT250-80 | 2 1/2 | 500 MCM | 800 MCM | 2 | 3 1/2 | 7 1/2 | 2 3/8 | 3/8 | 1/2 |
| UPT250-100 | 2 1/2 | 750 MCM | 1000 MCM | 2 3/4 | 3 5/8 | 8 1/2 | 2 7/8 | 1/2 | 1/2 |
| UPT250-150 | 2 1/2 | 1000 MCM | 1500 MCM | 2 3/4 | 3 5/8 | 9 | 3 1/4 | 1/2 | 1/2 |
| UPT300-21 | 3 | 1 STR | 4/0 STR | 2 | 4 1/8 | 7 3/4 | 1 15/16 | 3/8 | 3/8 |
| UPT300-30 | 3 | 1/0 STR | 300 MCM | 2 | 4 1/8 | 7 7/8 | 2 | 3/8 | 3/8 |
| UPT300-50 | 3 | 300 MCM | 500 MCM | 2 | 4 3/16 | 8 | 2 1/8 | 3/8 | 3/8 |
| UPT300-80 | 3 | 500 MCM | 800 MCM | 2 | 4 3/16 | 8 1/8 | 2 3/8 | 3/8 | 3/8 |
| UPT300-100 | 3 | 750 MCM | 1000 MCM | 2 3/4 | 4 1/4 | 8 7/8 | 2 7/8 | 1/2 | 1/2 |
| UPT300-150 | 3 | 1000 MCM | 1500 MCM | 2 3/4 | 4 1/4 | 9 3/8 | 3 1/4 | 1/2 | 1/2 |
| UPT400-21 | 4 | 1 STR | 4/0 STR | 2 | 5 1/8 | 8 3/4 | 1 15/16 | 3/8 | 3/8 |
| UPT400-30 | 4 | 1/0 STR | 300 MCM | 2 | 5 1/8 | 8 7/8 | 2 | 3/8 | 3/8 |
| UPT400-50 | 4 | 300 MCM | 500 MCM | 2 | 5 1/4 | 9 | 2 1/8 | 3/8 | 3/8 |
| UPT400-80 | 4 | 500 MCM | 800 MCM | 2 | 5 1/4 | 9 1/8 | 2 3/8 | 3/8 | 3/8 |
| UPT400-100 | 4 | 750 MCM | 1000 MCM | 2 3/4 | 5 3/8 | 10 1/8 | 2 7/8 | 1/2 | 1/2 |
| UPT400-150 | 4 | 1000 MCM | 1500 MCM | 2 3/4 | 5 3/8 | 10 5/8 | 3 1/4 | 1/2 | 1/2 |
| UPT400-200 | 4 | 1500 MCM | 2000 MCM | 2 3/4 | 5 3/8 | 11 1/8 | 3 1/2 | 1/2 | 1/2 |





© 2011, AFL, all rights reserved. PP-3-00511, Revision 1, 4.29.15
Specifications are subject to change without notice.

# DOSSERT®

## TYPE UT, UUT
### U-Bolt Tee Connector

A rugged U-bolt high compression clamp type tee connector which takes a wide range of cable sizes in both the run and tap sections. Designed to withstand high compressive clamping action on all cables within specified cable ranges.

### Material

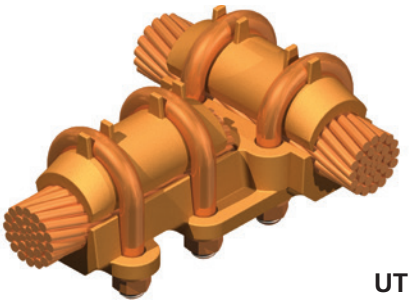
Copper Alloy

### Hardware

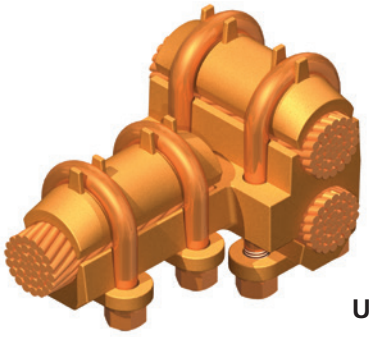
Everdur U-bolts, nuts, and lockwashers

### Notes

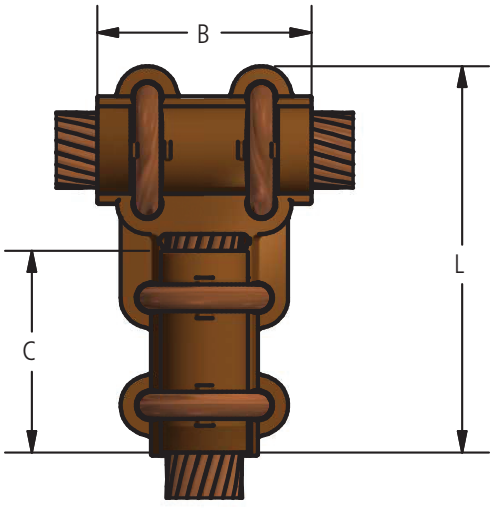
- For a 500 MCM cable tee connector, single tap, SINGLE run, order UT50-50.
- For a 500 MCM cable tee connector, single tap, DOUBLE run, order UUT50-50.
- For tin plating, add "-SN" to end of catalog number. EX: UT50-50-SN

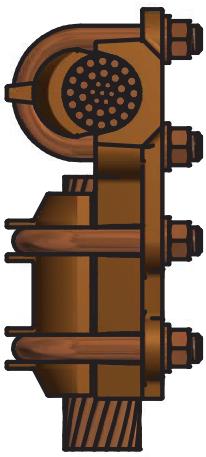


UT

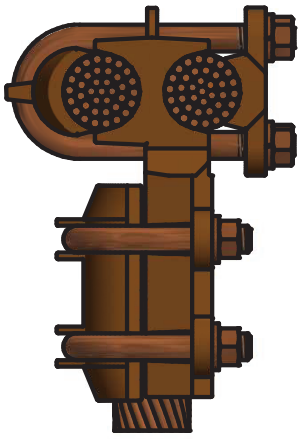


UUT



UT



UUT



© 2011, AFL, all rights reserved. PP-3-00514, Revision 3, 12.9.2022
Specifications are subject to change without notice.

# DOSSERT®

## TYPE UT, UUT
**U-Bolt Tee Connector**

## Ordering Information

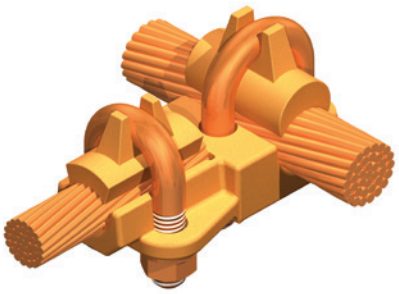
| CATALOG NUMBER | | CABLE RANGE | | | | DIMENSIONS IN INCHES | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | RUN | | TAP | | B | C | L | U-BOLT DIA. | |
| SINGLE RUN | DOUBLE RUN | MIN | MAX | MIN | MAX | | | | RUN | TAP |
| UT13-13 | UUT13-13 | #6 Stranded | 2/0 Stranded | #6 Stranded | 2/0 Stranded | 2 1/2 | 2 1/2 | 4 1/4 | 3/8 | 5/16 |
| UT21-21 | UUT21-21 | #1 Stranded | 4/0 Stranded | #1 Stranded | 4/0 Stranded | 2 5/8 | 2 5/8 | 4 1/2 | 3/8 | 3/8 |
| UT30-13 | UUT30-13 | 1/0 Stranded | 300 MCM | #6 Stranded | 2/0 Stranded | 2 3/4 | 2 3/4 | 4 1/4 | 3/8 | 5/16 |
| UT30-30 | UUT30-30 | 1/0 Stranded | 300 MCM | 1/0 Stranded | 300 MCM | 2 3/4 | 2 3/4 | 4 1/2 | 3/8 | 3/8 |
| UT50-13 | UUT50-13 | 300 MCM | 500 MCM | #6 Stranded | 2/0 Stranded | 3 | 2 1/2 | 4 3/8 | 1/2 | 5/16 |
| UT50-21 | UUT50-21 | 300 MCM | 500 MCM | #1 Stranded | 4/0 Stranded | 3 | 2 5/8 | 4 3/4 | 1/2 | 3/8 |
| UT50-30 | UUT50-30 | 300 MCM | 500 MCM | 1/0 Stranded | 300 MCM | 3 | 2 3/4 | 4 7/8 | 1/2 | 3/8 |
| UT50-50 | UUT50-50 | 300 MCM | 500 MCM | 300 MCM | 500 MCM | 3 | 3 | 5 1/8 | 3/8 | 3/8 |
| UT80-13 | UUT80-13 | 500 MCM | 800 MCM | #6 Stranded | 2/0 Stranded | 3 1/4 | 2 1/2 | 5 1/4 | 1/2 | 5/16 |
| UT80-21 | UUT80-21 | 500 MCM | 800 MCM | #1 Stranded | 4/0 Stranded | 3 1/4 | 2 5/8 | 5 7/8 | 1/2 | 3/8 |
| UT80-30 | UUT80-30 | 500 MCM | 800 MCM | 1/0 Stranded | 300 MCM | 3 1/4 | 2 3/4 | 6 | 1/2 | 3/8 |
| UT80-50 | UUT80-50 | 500 MCM | 800 MCM | 300 MCM | 500 MCM | 3 1/4 | 3 | 5 13/16 | 1/2 | 3/8 |
| UT80-80 | UUT80-80 | 500 MCM | 800 MCM | 500 MCM | 800 MCM | 3 1/4 | 3 1/4 | 6 1/2 | 1/2 | 1/2 |
| UT100-13 | UUT100-13 | 750 MCM | 1000 MCM | #6 Stranded | 2/0 Stranded | 3 1/2 | 2 1/2 | 5 1/2 | 1/2 | 5/16 |
| UT100-21 | UUT100-21 | 750 MCM | 1000 MCM | #1 Stranded | 4/0 Stranded | 3 1/2 | 2 5/8 | 5 5/8 | 1/2 | 3/8 |
| UT100-30 | UUT100-30 | 750 MCM | 1000 MCM | 1/0 Stranded | 300 MCM | 3 1/2 | 2 3/4 | 5 3/4 | 1/2 | 3/8 |
| UT100-50 | UUT100-50 | 750 MCM | 1000 MCM | 300 MCM | 500 MCM | 3 1/2 | 3 | 6 | 1/2 | 3/8 |
| UT100-80 | UUT100-80 | 750 MCM | 1000 MCM | 500 MCM | 800 MCM | 3 1/2 | 3 1/4 | 6 1/4 | 1/2 | 1/2 |
| UT100-100 | UUT100-100 | 750 MCM | 1000 MCM | 750 MCM | 1000 MCM | 3 1/2 | 3 1/2 | 6 9/16 | 1/2 | 1/2 |
| UT150-13 | UUT150-13 | 1000 MCM | 2000 MCM | #6 Stranded | 2/0 Stranded | 4 | 2 1/2 | 5 3/4 | 1/2 | 5/16 |
| UT150-21 | UUT150-21 | 1000 MCM | 2000 MCM | #1 Stranded | 4/0 Stranded | 4 | 2 5/8 | 5 7/8 | 1/2 | 3/8 |
| UT150-30 | UUT150-30 | 1000 MCM | 2000 MCM | 1/0 Stranded | 300 MCM | 4 | 2 3/4 | 6 | 1/2 | 3/8 |
| UT150-50 | UUT150-50 | 1000 MCM | 2000 MCM | 300 MCM | 500 MCM | 4 | 3 | 6 1/4 | 1/2 | 3/8 |
| UT150-80 | UUT150-80 | 1000 MCM | 2000 MCM | 500 MCM | 800 MCM | 4 | 3 1/4 | 6 1/2 | 1/2 | 1/2 |
| UT150-100 | UUT150-100 | 1000 MCM | 2000 MCM | 750 MCM | 1000 MCM | 4 | 3 1/2 | 6 3/4 | 1/2 | 1/2 |
| UT150-150 | UUT150-150 | 1000 MCM | 2000 MCM | 1000 MCM | 2000 MCM | 4 | 3 7/8 | 7 1/4 | 1/2 | 1/2 |
| UT200-30 | UUT200-30 | 1500 MCM | 2000 MCM | 1/0 Stranded | 300 MCM | 4 1/2 | 2 3/4 | 6 1/2 | 1/2 | 3/8 |
| UT200-50 | UUT200-50 | 1500 MCM | 2000 MCM | 300 MCM | 500 MCM | 4 1/2 | 3 | 6 3/4 | 1/2 | 3/8 |
| UT200-80 | UUT200-80 | 1500 MCM | 2000 MCM | 500 MCM | 800 MCM | 4 1/2 | 3 1/4 | 7 | 5/8 | 1/2 |
| UT200-100 | UUT200-100 | 1500 MCM | 2000 MCM | 750 MCM | 1000 MCM | 4 1/2 | 3 1/2 | 7 1/4 | 5/8 | 1/2 |
| UT200-150 | UUT200-150 | 1500 MCM | 2000 MCM | 1000 MCM | 1500 MCM | 4 1/2 | 4 | 7 3/4 | 5/8 | 1/2 |
| UT200-200 | UUT200-200 | 1500 MCM | 2000 MCM | 1500 MCM | 2000 MCM | 4 1/2 | 4 1/2 | 8 3/16 | 1/2 | 1/2 |



© 2011, AFL, all rights reserved. PP-3-00514, Revision 3, 12.9.2022
Specifications are subject to change without notice.

# DOSSERT®

## TYPE UTS
### Copper U-Bolt Type Tee Coupler



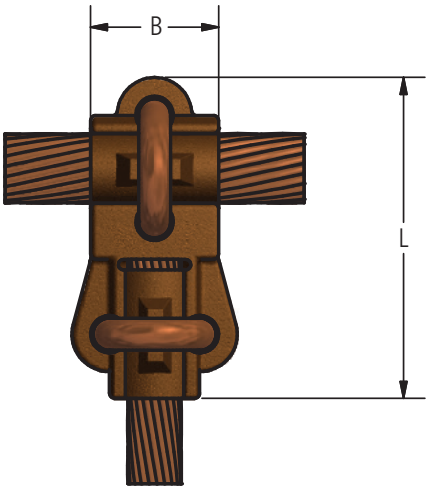
A rugged U-bolt clamp type tee connector which takes a wide range of cable sizes in both the run and tap sections. Designed to withstand high compressive clamping action on all cables within specified cable range. UTS is a compact version of UT.

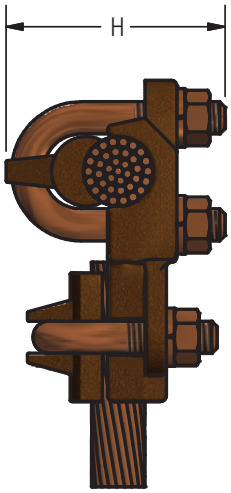
**Material**

Copper Alloy

**Hardware**

Everdur nuts, lockwashers and U-bolts




**Ordering Information**

| CATALOG NUMBER | CABLE RANGE | | | | DIMENSIONS IN INCHES | | | U-BOLT SIZE | |
|---|---|---|---|---|---|---|---|---|---|
| | RUN | | TAP | | B | H | L | MAIN | TAP |
| | MIN | MAX | MIN | MAX | | | | | |
| UTS13-13 | 6 STR | 2/0 STR | 6 STR | 2/0 STR | 1 1/4 | 1 3/4 | 3 1/8 | 5/16 | 5/16 |
| UTS21-13 | 1 STR | 4/0 STR | 6 STR | 2/0 STR | 1 5/16 | 2 1/8 | 3 3/8 | 3/8 | 5/16 |
| UTS21-21 | 1 STR | 4/0 STR | 1 STR | 4/0 STR | 1 5/16 | 2 1/8 | 3 7/16 | 3/8 | 3/8 |
| UTS30-21 | 1/0 STR | 300 MCM | 1 STR | 4/0 STR | 1 3/8 | 2 3/8 | 3 1/2 | 3/8 | 3/8 |
| UTS30-30 | 1/0 STR | 300 MCM | 1/0 STR | 300 MCM | 1 3/8 | 2 3/8 | 3 5/8 | 3/8 | 3/8 |
| UTS50-13 | 300 MCM | 500 MCM | 6 STR | 2/0 STR | 1 1/2 | 2 5/8 | 3 11/16 | 3/8 | 5/16 |
| UTS50-30 | 300 MCM | 500 MCM | 1/0 STR | 300 MCM | 1 1/2 | 2 5/8 | 3 13/16 | 3/8 | 3/8 |
| UTS50-50 | 300 MCM | 500 MCM | 300 MCM | 500 MCM | 1 1/2 | 2 5/8 | 3 15/16 | 3/8 | 3/8 |
| UTS80-13 | 500 MCM | 800 MCM | 1 STR | 2/0 STR | 1 3/4 | 2 3/4 | 4 1/8 | 1/2 | 5/16 |
| UTS80-30 | 500 MCM | 800 MCM | 1/0 STR | 300 MCM | 1 3/4 | 2 3/4 | 4 1/4 | 1/2 | 3/8 |
| UTS80-50 | 500 MCM | 800 MCM | 300 MCM | 500 MCM | 1 3/4 | 3 1/8 | 4 3/8 | 1/2 | 3/8 |
| UTS80-80 | 500 MCM | 800 MCM | 500 MCM | 800 MCM | 1 3/4 | 3 1/8 | 4 1/2 | 1/2 | 1/2 |
| UTS100-13 | 750 MCM | 1000 MCM | 1 STR | 2/0 STR | 2 | 3 | 4 1/4 | 1/2 | 5/16 |
| UTS100-21 | 750 MCM | 1000 MCM | 1 STR | 4/0 STR | 2 | 3 | 4 3/8 | 1/2 | 3/8 |
| UTS100-30 | 750 MCM | 1000 MCM | 1/0 STR | 300 MCM | 2 | 3 | 4 3/8 | 1/2 | 3/8 |
| UTS100-50 | 750 MCM | 1000 MCM | 300 MCM | 500 MCM | 2 | 3 | 4 1/2 | 1/2 | 3/8 |
| UTS100-80 | 750 MCM | 1000 MCM | 500 MCM | 800 MCM | 2 1/4 | 3 | 4 3/4 | 1/2 | 1/2 |
| UTS100-100 | 750 MCM | 1000 MCM | 750 MCM | 1000 MCM | 2 1/4 | 3 | 4 1/2 | 1/2 | 1/2 |
| UTS150-30 | 1000 MCM | 1500 MCM | 1/0 STR | 300 MCM | 2 1/4 | 3 3/4 | 4 3/4 | 1/2 | 3/8 |
| UTS150-50 | 1000 MCM | 1500 MCM | 300 MCM | 500 MCM | 2 1/4 | 3 3/4 | 4 7/8 | 1/2 | 3/8 |
| UTS150-80 | 1000 MCM | 1500 MCM | 500 MCM | 800 MCM | 2 5/8 | 3 3/4 | 5 1/8 | 1/2 | 1/2 |
| UTS150-100 | 1000 MCM | 1500 MCM | 750 MCM | 1000 MCM | 2 7/8 | 3 3/4 | 5 1/4 | 1/2 | 1/2 |
| UTS150-150 | 1000 MCM | 1500 MCM | 1000 MCM | 1500 MCM | 3 1/4 | 3 3/4 | 5 1/2 | 1/2 | 1/2 |
| UTS200-30 | 1500 MCM | 2000 MCM | 1/0 STR | 300 MCM | 2 | 3 13/16 | 5 | 1/2 | 3/8 |
| UTS200-50 | 1500 MCM | 2000 MCM | 300 MCM | 500 MCM | 2 | 3 13/16 | 5 1/8 | 1/2 | 3/8 |
| UTS200-100 | 1500 MCM | 2000 MCM | 750 MCM | 1000 MCM | 2 | 3 13/16 | 5 1/4 | 1/2 | 1/2 |
| UTS200-150 | 1500 MCM | 2000 MCM | 1000 MCM | 1500 MCM | 2 | 3 13/16 | 5 1/2 | 1/2 | 1/2 |
| UTS200-200 | 1500 MCM | 2000 MCM | 1500 MCM | 2000 MCM | 2 | 3 13/16 | 5 5/8 | 1/2 | 1/2 |

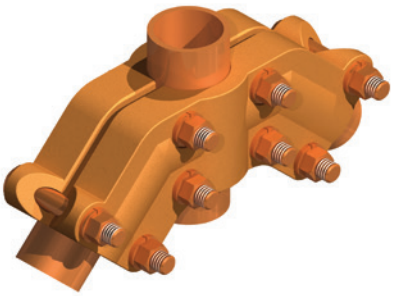


© 2011, AFL, all rights reserved. PP-3-00515, Revision 1, 8.3.2022
Specifications are subject to change without notice.

# DOSSERT®

## TYPE VB

### V Brace For Strut To Tubular Bus



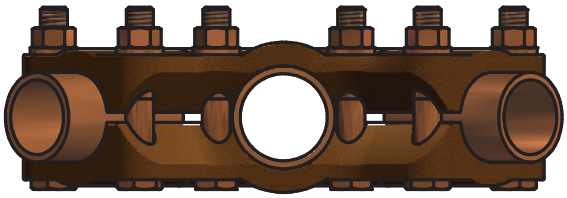
A V-Brace for connecting angular Struts and trusses to tubular buses for Structural support. Eliminates use of Structural steel supports and the required accompanying insulators. With the V-Brace and Angle Brace, various arrangements of trussing may be devised.

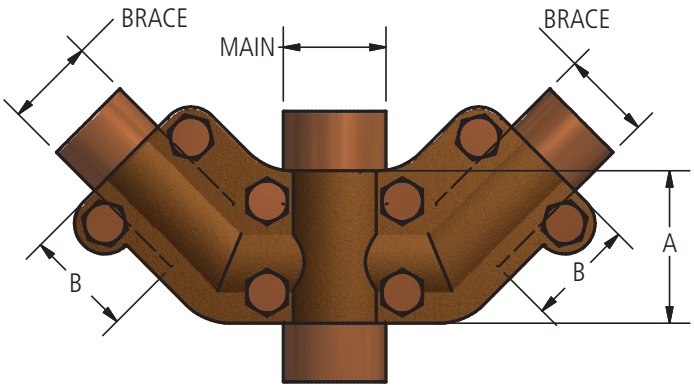
**Material**

Copper Alloy

**Hardware**

Everdur bolts, nuts and lockwashers






## Ordering Information

| CATALOG NUMBER | SPS | | DIMENSIONS IN INCHES | | BOLT SIZE |
|---|---|---|---|---|---|
| | MAIN | BRACE | A | B | |
| VB75-50 | 3/4 | 1/2 | 1 3/4 | 1 1/2 | 3/8 |
| VB75-75 | 3/4 | 3/4 | 1 3/4 | 1 3/4 | 3/8 |
| VB100-50 | 1 | 1/2 | 1 3/4 | 1 1/2 | 3/8 |
| VB100-75 | 1 | 3/4 | 1 3/4 | 1 3/4 | 3/8 |
| VB125-75 | 1 1/4 | 3/4 | 1 7/8 | 1 3/4 | 3/8 |
| VB125-100 | 1 1/4 | 1 | 1 7/8 | 1 3/4 | 3/8 |
| VB150-75 | 1 1/2 | 3/4 | 1 7/8 | 1 3/4 | 3/8 |
| VB150-100 | 1 1/2 | 1 | 1 7/8 | 1 3/4 | 3/8 |
| VB150-125 | 1 1/2 | 1 1/4 | 2 1/4 | 2 1/4 | 1/2 |
| VB200-100 | 2 | 1 | 1 7/8 | 1 3/4 | 3/8 |
| VB200-125 | 2 | 1 1/4 | 2 1/4 | 2 1/4 | 1/2 |
| VB200-150 | 2 | 1 1/2 | 2 1/2 | 2 1/2 | 1/2 |
| VB250-125 | 2 1/2 | 1 1/4 | 2 1/4 | 2 1/4 | 1/2 |
| VB250-150 | 2 1/2 | 1 1/2 | 2 1/2 | 2 1/2 | 1/2 |
| VB250-200 | 2 1/2 | 2 | 2 3/4 | 2 3/4 | 1/2 |
| VB300-125 | 3 | 1 1/4 | 2 1/4 | 2 1/4 | 1/2 |
| VB300-150 | 3 | 1 1/2 | 2 1/2 | 2 1/2 | 1/2 |
| VB300-200 | 3 | 2 | 2 3/4 | 2 3/4 | 1/2 |
| VB350-125 | 3 1/2 | 1 1/4 | 2 3/4 | 2 1/4 | 1/2 |
| VB350-150 | 3 1/2 | 1 1/2 | 2 3/4 | 2 1/2 | 1/2 |
| VB350-200 | 3 1/2 | 2 | 2 3/4 | 2 3/4 | 1/2 |
| VB400-125 | 4 | 1 1/4 | 2 3/4 | 2 1/4 | 1/2 |
| VB400-150 | 4 | 1 1/2 | 2 3/4 | 2 1/2 | 1/2 |
| VB400-200 | 4 | 2 | 2 3/4 | 2 3/4 | 1/2 |

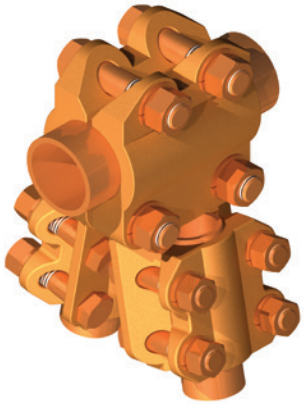




© 2011, AFL, all rights reserved. PP-3-00516, Revision 0, 2.24.11
Specifications are subject to change without notice.

# DOSSERT®

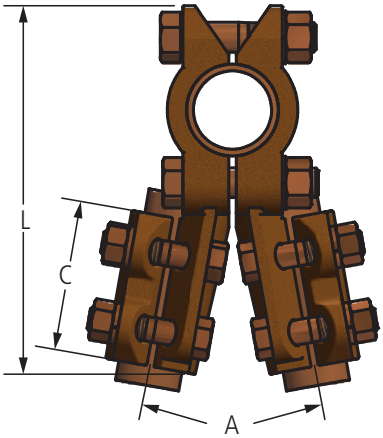
## TYPE VBPS
### Double Tee Connector V-Type

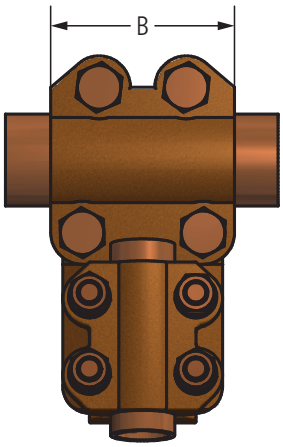


A V-type tee connector which can serve a two-fold purpose in acting as a structural member as well as a connector.

### Material
Copper Alloy

### Hardware
Everdur bolts, nuts and lockwashers




## Ordering Information

| CATALOG NUMBER | SPS | | DIMENSIONS IN INCHES | | | |
|---|---|---|---|---|---|---|
| | RUN | TAP | A | B | C | L |
| VBPS125-100-20-1/2 | 1 1/4 | 1 | 20° | 2 1/2 | 2 1/2 | 6 1/2 |
| VBPS150-100-30-1/2 | 1 1/2 | 1 | 30° | 2 3/4 | 2 1/2 | 6 5/8 |
| VBPS150-125-20 | 1 1/2 | 1 1/4 | 20° | 2 3/4 | 2 3/4 | 6 7/8 |
| VBPS200-100-20-1/2 | 2 | 1 | 20° | 2 3/4 | 2 1/2 | 6 3/4 |
| VBPS200-125-20 | 2 | 1 1/4 | 20° | 2 3/4 | 2 1/2 | 7 |
| VBPS200-125-30 | 2 | 1 1/4 | 30° | 2 13/16 | 3 | 7 9/32 |
| VBPS200-150-30 | 2 | 1 1/2 | 30° | 2 13/16 | 2 15/16 | 7 9/32 |
| VBPS200-200-30 | 2 | 2 | 30° | 2 13/16 | 3 | 7 9/32 |
| VBPS250-250-20 | 2 1/2 | 2 1/2 | 20° | 2 3/4 | 2 3/4 | 7 3/8 |
| VBPS250-150-30 | 2 1/2 | 1 1/2 | 30° | 2 3/4 | 2 3/4 | 7 3/8 |
| VBPS300-200-30 | 3 | 2 | 30° | 3 | 2 3/4 | 8 |
| VBPS300-300-30 | 3 | 3 | 30° | 3 | 2 3/4 | 8 |
| VBPS350-200-20 | 3 1/2 | 2 | 20° | 3 | 2 3/4 | 8 1/2 |
| VBPS350-200-30 | 3 1/2 | 2 | 30° | 3 | 2 3/4 | 8 1/2 |





© 2011, AFL, all rights reserved. PP-3-00518, Revision 3, 2.1.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE DGF, DGG

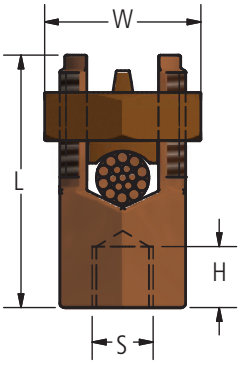
### Copper Grounding Connector



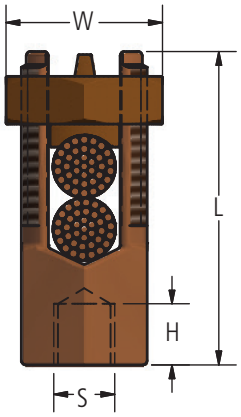
Copper grounding connector for cable to structural steel, fence posts or groundplates. DGF accommodates two conductors and DGG accommodates one conductor.

### Material

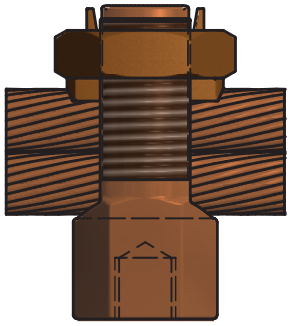
Copper Alloy




DGG




DGF



## Ordering Information

| CATALOG NUMBER | | STRANDED CONDUCTOR SIZE | | DIMENSIONS IN INCHES | | | |
|---|---|---|---|---|---|---|---|
| DGF SERIES | DGG SERIES | MIN | MAX | H | L | S | W |
| DGF1 | DGG1 | 12 AWG | 8 AWG | 1/4 | 15/16 | 1/4-20 | 1/2 |
| DGF2 | DGG2 | 10 STR | 7 STR | 1/4 | 1 1/16 | 1/4-20 | 5/8 |
| DGF3 | DGG3 | 6 STR | 5 STR | 5/16 | 1 1/4 | 5/16-18 | 11/16 |
| DGF5 | DGG5 | 6 STR | 3 STR | 3/8 | 1 7/16 | 3/8-16 | 3/4 |
| DGF6 | DGG6 | 4 STR | 2 STR | 1 | 1 1/2 | 3/8-16 | 16/16 |
| DGF10 | DGG10 | 2 STR | 1/0 STR | 1/2 | 1 7/8 | 1/2-13 | 15/16 |
| DGF13 | DGG13 | 1/0 STR | 2/0 STR | 1/2 | 2 | 1/2-13 | 1 1/8 |
| DGF21 | DGG21 | 2/0 STR | 4/0 STR | 5/8 | 2 3/8 | 5/8-11 | 1 3/8 |
| DGF35 | DGG35 | 4/0 STR | 350 MCM | 5/8 | 2 3/4 | 5/8-11 | 1 11/16 |
| DGF50 | DGG50 | 300 MCM | 500 MCM | 3/4 | 3 1/8 | 3/4-10 | 2 |
| DGF75 | DGG75 | 500 MCM | 750 MCM | 7/8 | 4 | 7/8-9 | 2 3/8 |
| DGF100 | DGG100 | 750 MCM | 1000 MCM | 1 | 4 11/16 | 1-8 | 2 3/4 |





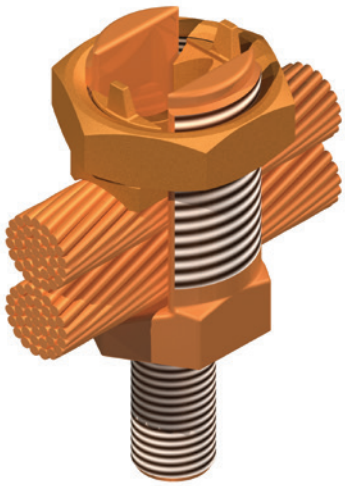
© 2011, AFL, all rights reserved. PP-3-00308, Revision 0, 2.24.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE DGM, DGN

**DGN Copper Grounding Connector for One Cable and DGM Copper Grounding Connector for Two Cables.**

Copper grounding connector for cable to structural steel, fence posts or groundplates. May also be used on bus bar as a tap lug. DGM accommodates two conductors and DGN accommodates one conductor.

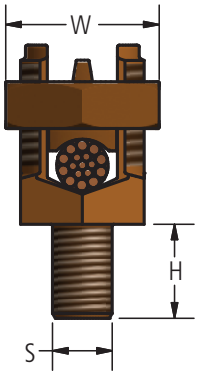


### Material

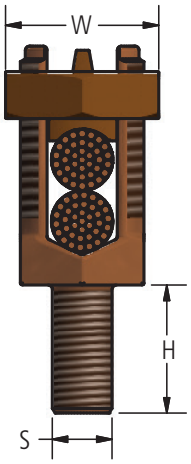
Copper Alloy

### Note

For tin plating add suffix "-SN" to the end of the catalog number.




DGN




DGM



## Ordering Information

| CATALOG NUMBER | | CONDUCTOR SIZE | | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|---|---|
| | | MIN | MAX | H | STUD DIAMETER (S) | W |
| DGM1 | DGN1 | 10 STR | 8 STR | 1/2 | 1/4-20 | 1/2 |
| DGM1L | DGN1L | 10 STR | 8 STR | 1 | 1/4-20 | 1/2 |
| DGM2 | DGN2 | 10 STR | 7 STR | 1/2 | 1/4-20 | 5/8 |
| DGM2L | DGN2L | 10 STR | 7 STR | 1 | 1/4-20 | 5/8 |
| DGM3 | DGN3 | 6 STR | 5 STR | 5/8 | 5/16-18 | 11/16 |
| DGM3L | DGN3L | 6 STR | 5 STR | 1 | 5/16-18 | 11/16 |
| DGM5 | DGN5 | 6 STR | 3 STR | 5/8 | 3/8-16 | 3/4 |
| DGM5L | DGN5L | 6 STR | 3 STR | 1 1/8 | 3/8-16 | 3/4 |
| DGM6 | DGN6 | 4 STR | 2 STR | 5/8 | 3/8-16 | 13/16 |
| DGM6L | DGN6L | 4 STR | 2 STR | 1 1/8 | 3/8-16 | 13/16 |
| DGM10 | DGN10 | 2 STR | 1/0 STR | 3/4 | 1/2-13 | 15/16 |
| DGM10L | DGN10L | 2 STR | 1/0 STR | 1 1/4 | 1/2-13 | 15/16 |
| DGM13 | DGN13 | 1/0 STR | 2/0 STR | 3/4 | 1/2-13 | 1 1/8 |
| DGM13L | DGN13L | 1/0 STR | 2/0 STR | 1 1/4 | 1/2-13 | 1 1/8 |
| DGM21 | DGN21 | 2/0 STR | 4/0 STR | 1 | 5/8-11 | 1 3/8 |
| DGM21L | DGN21L | 2/0 STR | 4/0 STR | 1 1/2 | 5/8-11 | 1 3/8 |
| DGM35 | DGN35 | 4/0 STR | 350 MCM | 1 | 5/8-11 | 1 11/16 |
| DGM35L | DGN35L | 4/0 STR | 350 MCM | 1 1/2 | 5/8-11 | 1 11/16 |
| DGM50 | DGN50 | 300 MCM | 500 MCM | 1 1/4 | 3/4-10 | 2 |
| DGM50L | DGN50L | 300 MCM | 500 MCM | 1 3/4 | 3/4-10 | 2 |





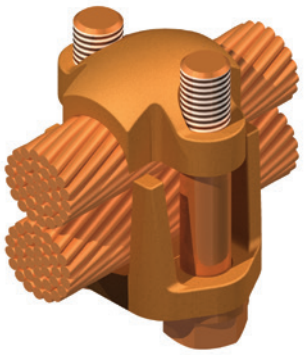
© 2011, AFL, all rights reserved. PP-3-00309, Revision 0, 2.24.11
Specifications are subject to change without notice.

# DOSSERT®

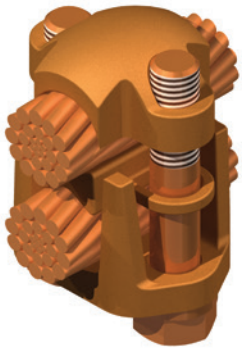
## TYPE DSU, DSUS

**Heavy Duty Copper ServiceDSU comes without a spacer and retaining ring, DSUS has a spacer and retaining ring.**

Rugged high strength but compact and easy to tape service connector.Washer and swivel action permit easy installation of conductors without inconvenience of loose hardware. Designed with extra wide contact.Particularly suitable for heavy duty permanent connections.



DSU



DSUS

### Material

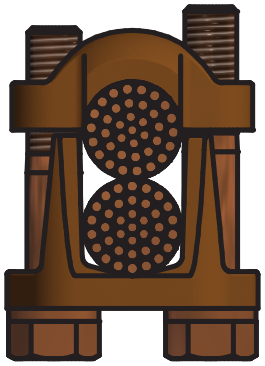
Copper Alloy

### Hardware

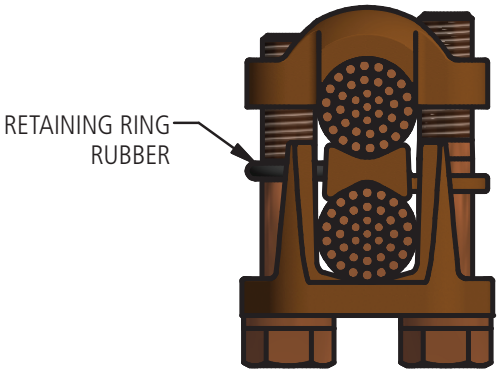
Everdur bolts, lockwashers and neoprene retainer

### Notes

For 500 MCM connector with spacer, order: DSUS50.



DSU




DSUS

## Ordering Information

| CATALOG NUMBER | | MAXIMUM CONDUCTOR | |
|---|---|---|---|
| DSU | DSUS | COPPER | COPPERCLAD |
| DSU10 | DSUS10 | 1/0 Str.-2/0 Solid | 2/0 Solid |
| DSU13 | DSUS13 | 2/0 Str.-3/0 Solid | 3/0 Solid |
| DSU21 | DSUS21 | 4/0 Sol.-4/0 | 4/0 Solid |
| DSU35 | DSUS35 | 350 MCM | - |
| DSU50 | DSUS50 | 500 MCM | - |
| DSU80 | DSUS80 | 800 MCM | - |
| DSU100 | DSUS100 | 1000 MCM | - |



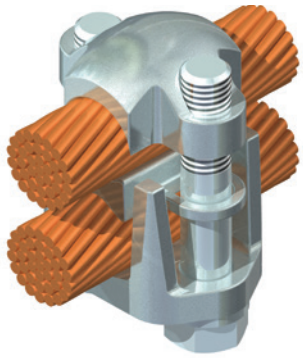


© 2011, AFL, all rights reserved. PP-3-00323, Revision 1, 10.7.16
Specifications are subject to change without notice.

# DOSSERT®

## TYPE DSUN

### Heavy Duty Tin Plated Copper Service



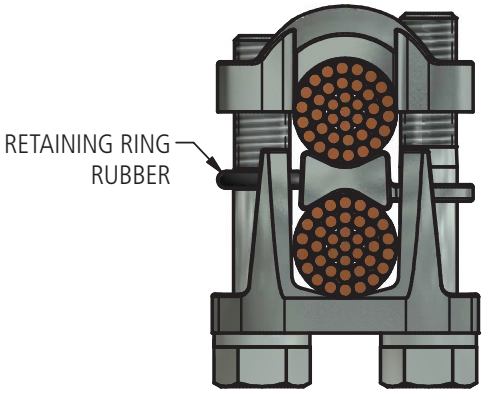
Rugged high strength but compact and easy to tape service connector. Washer and swivel action permit easy installation of conductors without inconvenience of loose hardware. Designed with extra wide contact. Particularly suitable for heavy duty permanent connections. Tin Plated with a spacer bar to accommodate all combinations of copper, aluminum and ACSR conductor.

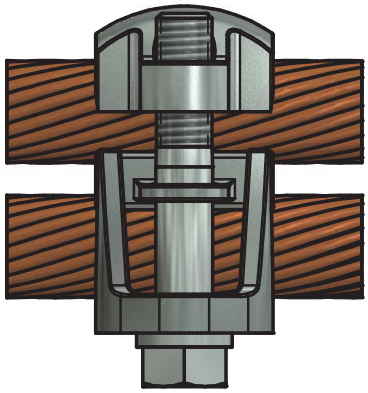
### Material

Tin plated copper alloy

### Hardware

Everdur bolts and lockwashers



## Ordering Information

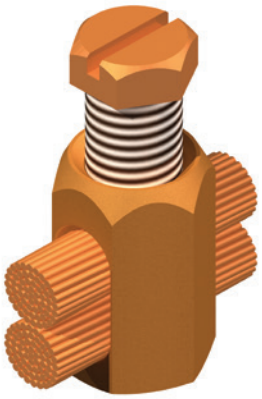
| CATALOG NUMBER | CABLE RUN AND TAP | | | | STEEL DIAMETER IN INCHES | SHIPPING WEIGHT POUNDS PER CARTON | QUANTITY IN CARTON |
|---|---|---|---|---|---|---|---|
| | COPPER | COPPERCLAD | ALUMINUM AWG | ALUMINUM ACSR | | | |
| DSUN10 | 1/0 Str.-2/0 Solid | 2/0 Solid | 1/0 Stranded | 1/0 | - | 24 | 25 |
| DSUN13 | 2/0 Str.-3/0 Solid | 3/0 Solid | 2/0 Stranded | 2/0 | 7/16 | 50 | 25 |
| DSUN21 | 4/0 Sol.-4/0 | 4/0 Solid | 4/0 Stranded | 3/0 | 1/2 | 72 | 25 |
| DSUN35 | 350 MCM | - | 350 MCM | 300 MCM | 5/8 | 120 | 12 |
| DSUN50 | 500 MCM | - | 500 MCM | 397.5 MCM | 3/4 | 150 | 12 |
| DSUN80 | 800 MCM | - | 800 MCM | 715.5 MCM | 1 | 240 | 6 |
| DSUN100 | 1000 MCM | - | 1000 MCM | 900 MCM | 1 1/8 | 320 | 6 |





© 2011, AFL, all rights reserved. PP-3-00324, Revision 1, 10.7.16
Specifications are subject to change without notice.

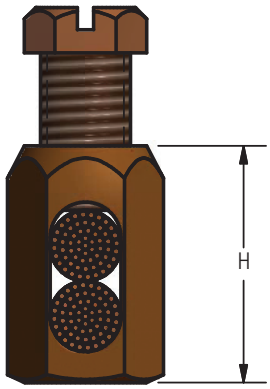
# DOSSERT®
## TYPE ES, ESS, ESSN



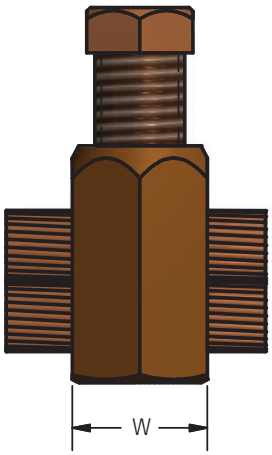
An econmical house service entrance connector for joining two cables on end. This compact connector can be readily installed with either a wrench, pliers or a screw driver. Type ESS has multiple applications, it can be used with Copper and Aluminum conductors. Type ESSN is completely tin plated to prevent galvanic corrosion between two dissimilar metals.

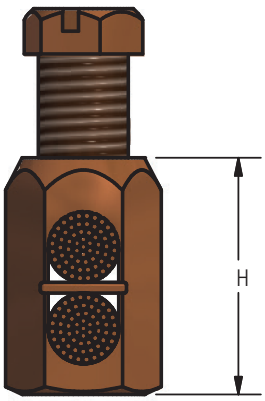
**Material**
Copper Alloy

**Screw**
Everdur

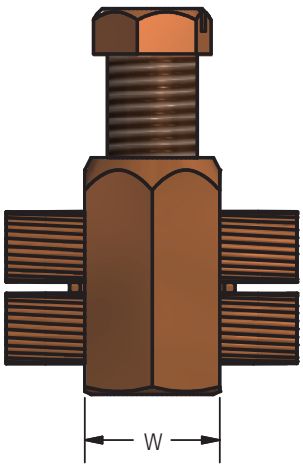



ES




ESS AND ESSN




## Ordering Information

| CATALOG NUMBER | | | COPPER OR ALUMINUM CABLE | | ALUMINUM ACSR | | DIMENSIONS IN INCHES | |
|---|---|---|---|---|---|---|---|---|
| | | | MIN | MAX | MIN | MAX | H | W |
| ES-09 | ESS-09 | ESSN-09 | 12 SOL. | 10 STR. | - | - | 0.500 | 0.312 |
| ES-1 | ESS-1 | ESSN-1 | 10 SOL. | 8 STR. | - | - | 0.560 | 0.312 |
| ES-2 | ESS-2 | ESSN-2 | 8 SOL. | 6 STR. | - | - | 0.656 | 0.375 |
| ES-4 | ESS-4 | ESSN-4 | 6 SOL. | 4 STR. | 8 | 5 | 0.750 | 0.438 |
| ES-6 | ESS-6 | ESSN-6 | 4 SOL. | 2 STR. | 6 | 3 | 0.838 | 0.560 |



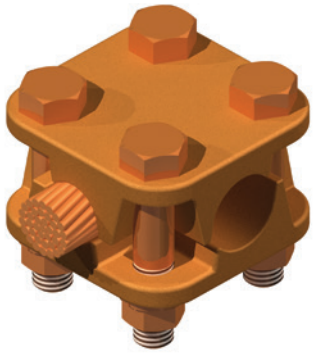


© 2011, AFL, all rights reserved. PP-3-00329, Revision 0, 2.24.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE GPEX

### Copper Universal Clamp For Cable



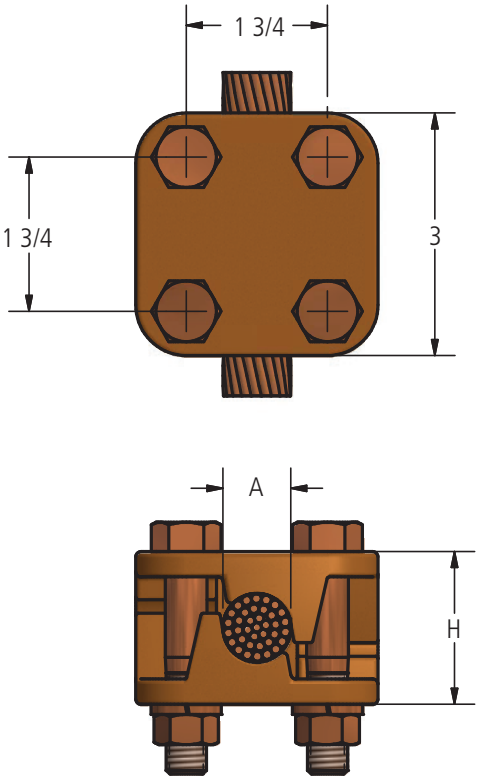
A versatile connector which takes a range of conductor sizes in two positions. Bolt positions held to NEMA standards enabling cable or pipe to be bolted directly to flat bar. Both outside faces machined flat for contact purposes. Used in conjunction with type CF braid straps to make various types of expansion connectors. Unless otherwise specified, bolt length supplied to accommodate one 1/4 inch bar.

### Material

Copper Alloy

### Hardware

Everdur bolts, nuts and lockwashers




## Ordering Information

| CATALOG NUMBER | PIPE RANGE (A) SPS | CABLE RANGE A | | DIAMETER RANGE A | | PIPE RANGE (B) SPS | CABLE RANGE B | | DIAMETER RANGE B | | DIMENSIONS IN INCHES |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MIN | MAX | MIN | MAX | | MIN | MAX | MIN | MAX | H |
| GPEX38-25 | 1/4 | 1 Stranded | 4/0 Stranded | 0.332 | 0.528 | 3/8 | 4/0 Stranded | 350 MCM | 0.528 | 0.681 | 1 3/8 |
| GPEX75-50 | 1/2 | 300 MCM | 500 MCM | 0.630 | 0.814 | 3/4 | 550 MCM | 800 MCM | 0.855 | 1.031 | 1 5/8 |
| GPEX100-75 | 3/4 | 550 MCM | 800 MCM | 0.855 | 1.031 | 1 | 900 MCM | 1250 MCM | 1.094 | 1.289 | 2 1/8 |



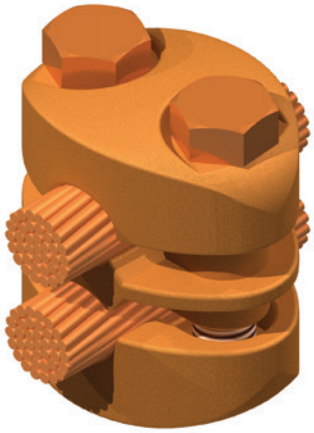


© 2011, AFL, all rights reserved. PP-3-00351, Revision 0, 2.24.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE GTV

### Copper Gutter Tap Connector



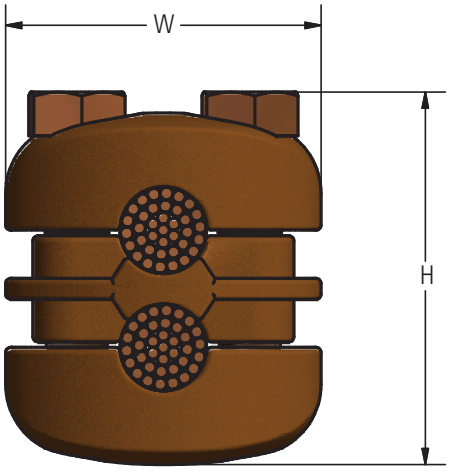
A variable type gutter tap which accommodates a wide range of cable sizes in both main and tap clamping sections. The variability of this unit minimizes the number of connectors required for a given number of combinations of cables. Compact in design and easy to tape.

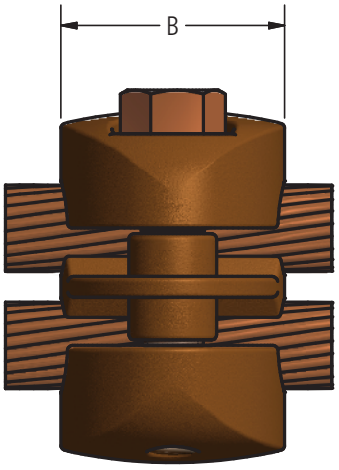
### Material

Copper Alloy

### Hardware

Everdur bolts and lockwashers






© 2011, AFL, all rights reserved. PP-3-00360, Revision 2, 7.20.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE GTV
### Copper Gutter Tap Connector

## Ordering Information

| CATALOG NUMBER | CONDUCTOR | | | | CLAMPING BOLTS | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|
| | RANGE MAIN | | RANGE TAP | | | | | | |
| | MINIMUM | MAXIMUM | MINIMUM | MAXIMUM | | B | H MAX | W | |
| GTV4-4 | 8 SOLID | 4 STRANDED | 8 SOLID | 4 STRANDED | 2 | 1 1/8 | 1 9/16 | 1 9/16 | 3/8 |
| GTV6-4 | 6 STRANDED | 2 STRANDED | 8 SOLID | 4 STRANDED | 2 | 1 1/8 | 1 9/16 | 1 9/16 | 3/8 |
| GTV6-6 | 6 STRANDED | 2 STRANDED | 6 STRANDED | 2 STRANDED | 2 | 1 1/8 | 1 9/16 | 1 9/16 | 3/8 |
| GTV13-4 | 3 STRANDED | 2/0 STRANDED | 8 SOLID | 4 STRANDED | 2 | 1 1/8 | 2 | 1 3/4 | 3/8 |
| GTV13-6 | 3 STRANDED | 2/0 STRANDED | 6 STRANDED | 2 STRANDED | 2 | 1 1/8 | 1 7/8 | 1 3/4 | 3/8 |
| GTV13-13 | 3 STRANDED | 2/0 STRANDED | 3 STRANDED | 2/0 STRANDED | 2 | 1 1/8 | 2 1/16 | 1 3/4 | 3/8 |
| GTV21-4 | 1 STRANDED | 4/0 STRANDED | 8 SOLID | 4 STRANDED | 2 | 1 1/8 | 1 15/16 | 1 7/8 | 3/8 |
| GTV21-6 | 1 STRANDED | 4/0 STRANDED | 6 STRANDED | 2 STRANDED | 2 | 1 1/8 | 2 | 1 7/8 | 3/8 |
| GTV21-13 | 1 STRANDED | 4/0 STRANDED | 3 STRANDED | 2/0 STRANDED | 2 | 1 1/8 | 2 | 1 7/8 | 3/8 |
| GTV21-21 | 1 STRANDED | 4/0 STRANDED | 1 STRANDED | 2 STRANDED | 2 | 1 1/8 | 2 1/8 | 1 7/8 | 3/8 |
| GTV35-4 | 3/0 STRANDED | 350 MCM | 8 SOLID | 4 STRANDED | 2 | 1 3/8 | 2 1/16 | 2 1/8 | 3/8 |
| GTV35-6 | 3/0 STRANDED | 350 MCM | 6 STRANDED | 2 STRANDED | 2 | 1 3/8 | 2 1/8 | 2 1/8 | 3/8 |
| GTV35-13 | 3/0 STRANDED | 350 MCM | 3 STRANDED | 2/0 STRANDED | 2 | 1 3/8 | 2 1/4 | 2 1/8 | 3/8 |
| GTV35-21 | 3/0 STRANDED | 350 MCM | 1 STRANDED | 4/0 STRANDED | 2 | 1 3/8 | 2 3/8 | 2 1/8 | 3/8 |
| GTV35-35 | 3/0 STRANDED | 350 MCM | 3/0 STRANDED | 350 MCM | 2 | 1 1/4 | 2 3/16 | 1 15/16 | 3/8 |
| GTV50-4 | 250 MCM | 500 MCM | 8 SOLID | 4 STRANDED | 2 | 1 3/8 | 2 5/16 | 2 1/4 | 3/8 |
| GTV50-6 | 250 MCM | 500 MCM | 6 STRANDED | 2 STRANDED | 2 | 1 3/8 | 2 3/8 | 2 1/4 | 3/8 |
| GTV50-13 | 250 MCM | 500 MCM | 3 STRANDED | 2/0 STRANDED | 2 | 1 3/8 | 2 1/2 | 2 1/4 | 3/8 |
| GTV50-21 | 250 MCM | 500 MCM | 1 STRANDED | 4/0 STRANDED | 2 | 1 3/8 | 2 3/4 | 2 1/4 | 3/8 |
| GTV50-35 | 250 MCM | 500 MCM | 3/0 STRANDED | 350 MCM | 2 | 1 3/8 | 2 7/8 | 2 1/4 | 3/8 |
| GTV50-50 | 250 MCM | 500 MCM | 250 MCM | 500 MCM | 4 | 1 3/4 | 2 15/16 | 2 1/4 | 3/8 |
| GTV80-4 | 400 MCM | 800 MCM | 8 SOLID | 4 STRANDED | 2 | 1 1/2 | 2 7/16 | 2 1/2 | 3/8 |
| GTV80-6 | 400 MCM | 800 MCM | 6 STRANDED | 2 STRANDED | 2 | 1 1/2 | 2 1/2 | 2 1/2 | 3/8 |
| GTV80-13 | 400 MCM | 800 MCM | 3 STRANDED | 2/0 STRANDED | 2 | 1 1/2 | 2 5/8 | 2 1/2 | 3/8 |
| GTV80-21 | 400 MCM | 800 MCM | 1 STRANDED | 4/0 STRANDED | 2 | 1 1/2 | 2 3/4 | 2 1/2 | 3/8 |
| GTV80-35 | 400 MCM | 800 MCM | 3/0 STRANDED | 350 MCM | 2 | 1 1/2 | 2 7/8 | 2 1/2 | 3/8 |
| GTV80-50 | 400 MCM | 800 MCM | 250 MCM | 500 MCM | 4 | 1 3/4 | 3 | 2 1/2 | 3/8 |
| GTV80-80 | 400 McM | 800 MCM | 400 MCM | 800 MCM | 4 | 1 3/4 | 3 1/4 | 2 1/2 | 3/8 |
| GTV100-4 | 500 MCM | 1000 MCM | 8 SOLID | 4 STRANDED | 2 | 1 1/2 | 2 9/16 | 2 5/8 | 3/8 |
| GTV100-6 | 500 MCM | 1000 MCM | 6 STRANDED | 2 STRANDED | 2 | 1 1/2 | 2 5/8 | 2 5/8 | 3/8 |
| GTV100-13 | 500 MCM | 1000 MCM | 3 STRANDED | 2/0 STRANDED | 2 | 1 1/2 | 2 3/4 | 2 5/8 | 3/8 |
| GTV100-21 | 500 MCM | 1000 MCM | 1 STRANDED | 4/0 STRANDED | 2 | 1 1/2 | 2 7/8 | 2 5/8 | 3/8 |
| GTV100-35 | 500 MCM | 1000 MCM | 3/0 STRANDED | 350 MCM | 2 | 1 1/2 | 3 | 2 5/8 | 3/8 |
| GTV100-50 | 500 MCM | 1000 MCM | 250 MCM | 500 MCM | 4 | 1 3/4 | 3 1/8 | 2 5/8 | 3/8 |
| GTV100-80 | 500 MCM | 1000 MCM | 400 MCM | 800 MCM | 4 | 1 3/4 | 3 3/8 | 2 5/8 | 3/8 |
| GTV100-100 | 500 MCM | 1000 MCM | 500 MCM | 1000 MCM | 4 | 1 3/4 | 3 1/2 | 2 5/8 | 3/8 |
| GTV150-4 | 850 MCM | 1500 MCM | 8 SOLID | 4 STRANDED | 2 | 1 3/4 | 3 5/16 | 2 7/8 | 3/8 |
| GTV150-6 | 850 MCM | 1500 MCM | 6 STRANDED | 2 STRANDED | 2 | 1 3/4 | 3 3/8 | 2 7/8 | 3/8 |
| GTV150-13 | 850 MCM | 1500 MCM | 3 STRANDED | 2/0 STRANDED | 2 | 1 3/4 | 3 1/2 | 2 7/8 | 3/8 |
| GTV150-21 | 850 MCM | 1500 MCM | 1 STRANDED | 4/0 STRANDED | 2 | 1 3/4 | 3 5/8 | 2 7/8 | 3/8 |
| GTV150-35 | 850 MCM | 1500 MCM | 3/0 STRANDED | 350 MCM | 2 | 1 3/4 | 3 3/4 | 2 7/8 | 3/8 |
| GTV150-50 | 850 MCM | 1500 MCM | 250 MCM | 500 MCM | 4 | 1 3/4 | 3 7/8 | 2 7/8 | 3/8 |
| GTV150-80 | 850 MCM | 1500 MCM | 400 MCM | 800 MCM | 4 | 1 3/4 | 4 | 2 7/8 | 3/8 |
| GTV150-100 | 850 MCM | 1500 MCM | 500 MCM | 1000 MCM | 4 | 1 3/4 | 4 1/8 | 2 7/8 | 3/8 |
| GTV150-150 | 850 MCM | 1500 MCM | 850 MCM | 1500 MCM | 4 | 2 1/4 | 4 3/8 | 3 1/4 | 1/2 |
| GTV200-4 | 1200 MCM | 2000 MCM | 8 SOLID | 4 STRANDED | 2 | 2 | 3 3/16 | 3 | 3/8 |
| GTV200-6 | 1200 MCM | 2000 MCM | 6 STRANDED | 2 STRANDED | 2 | 2 | 3 1/4 | 3 | 3/8 |
| GTV200-13 | 1200 MCM | 2000 MCM | 3 STRANDED | 2/0 STRANDED | 2 | 2 | 3 3/8 | 3 | 3/8 |
| GTV200-21 | 1200 MCM | 2000 MCM | 1 STRANDED | 4/0 STRANDED | 2 | 2 | 3 1/2 | 3 | 3/8 |
| GTV200-35 | 1200 MCM | 2000 MCM | 3/0 STRANDED | 350 MCM | 4 | 2 3/8 | 3 15/16 | 3 1/4 | 3/8 |
| GTV200-50 | 1200 MCM | 2000 MCM | 250 MCM | 500 MCM | 4 | 2 1/4 | 3 15/16 | 3 | 3/8 |
| GTV200-80 | 1200 MCM | 2000 MCM | 400 MCM | 800 MCM | 4 | 2 | 4 | 3 | 3/8 |
| GTV200-100 | 1200 MCM | 2000 MCM | 500 MCM | 1000 MCM | 4 | 2 | 4 1/4 | 3 | 3/8 |
| GTV200-150 | 1200 MCM | 2000 MCM | 850 MCM | 1500 MCM | 4 | 2 1/4 | 4 1/2 | 3 1/2 | 3/8 |
| GTV-200-200 | 1200 MCM | 2000 MCM | 1200 MCM | 200 0MCM | 4 | 2 1/4 | 4 3/4 | 3 1/2 | 1/2 |

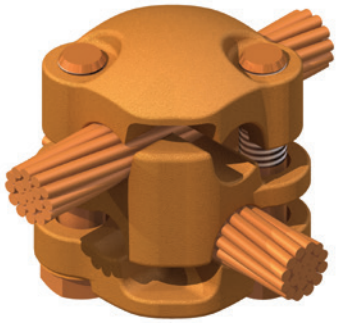


© 2011, AFL, all rights reserved. PP-3-00360, Revision 2, 7.20.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE GTX

### Copper Two Position Variable Distribution Tap



A variable type distribution tap for making parallel taps and cross connections. Each connector accommodates a range of cable sizes in each position.

**Material**

Copper Alloy

**Hardware**

Everdur bolts and lockwashers

**Note**

For tin plating add suffix "-SN" to catalog number.

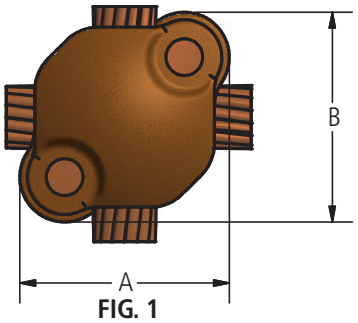



FIG. 1

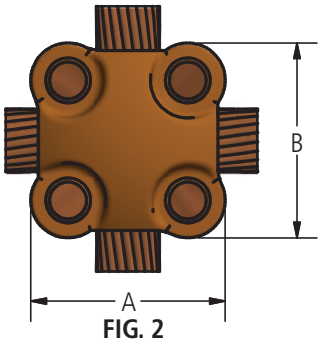
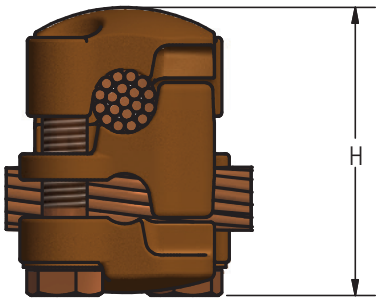
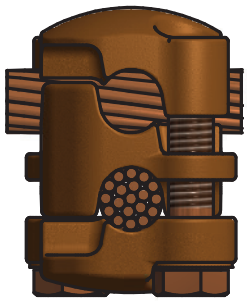



FIG. 2



## Ordering Information

| CATALOG NUMBER | FIG. NO. | CABLE RANGE | | | | DIMENSIONS IN INCHES | | | U-BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|
| | | RUN | | TAP | | A | B | H | |
| | | MIN | MAX | MIN | MAX | | | | |
| GTX6-6 | 1 | 6 Stranded | 2 Stranded | 6 Stranded | 2 Stranded | 1 3/8 | 1 3/8 | 1 3/4 | 5/16 |
| GTX21-6 | 1 | 1 Stranded | 4/0 Stranded | 6 Stranded | 2 Stranded | 1 5/8 | 1 1/2 | 2 | 5/16 |
| GTX21-21 | 1 | 1 Stranded | 4/0 Stranded | 1 Stranded | 4/0 Stranded | 1 3/4 | 1 3/4 | 2 3/8 | 3/8 |
| GTX50-6 | 1 | 250 MCM | 500 MCM | 6 Stranded | 2 Stranded | 1 7/8 | 1 5/8 | 2 5/16 | 5/16 |
| GTX50-21 | 1 | 250 MCM | 500 MCM | 1 Stranded | 4/0 Stranded | 1 13/16 | 2 1/16 | 2 3/4 | 3/8 |
| GTX50-50 | 2 | 250 MCM | 500 MCM | 250 MCM | 500 MCM | 2 1/16 | 2 1/16 | 3 | 3/8 |
| GTX100-6 | 1 | 500 MCM | 1000 MCM | 6 Stranded | 2 Stranded | 2 1/4 | 2 3/8 | 2 7/8 | 3/8 |
| GTX100-21 | 1 | 500 MCM | 1000 MCM | 1 Stranded | 4/0 Stranded | 2 1/4 | 2 3/8 | 3 1/4 | 3/8 |
| GTX100-50 | 2 | 500 MCM | 1000 MCM | 250 MCM | 500 MCM | 2 1/4 | 2 3/8 | 3 5/8 | 3/8 |
| GTX100-100 | 2 | 500 MCM | 1000 MCM | 500 MCM | 1000 MCM | 2 3/8 | 2 3/8 | 3 7/8 | 3/8 |



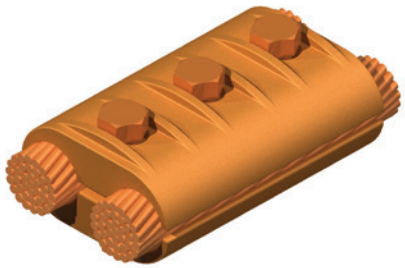


© 2011, AFL, all rights reserved. PP-3-00361, Revision 0, 2.24.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE PC

### Copper Connector For Two Cable In Parallel



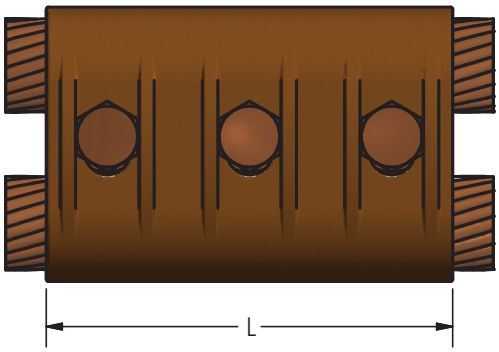
A clamp type connector for connecting two cable or wire conductors in parallel. Specially serated bearing areas provide a high electrical contact efficiency and high pull-out strength.

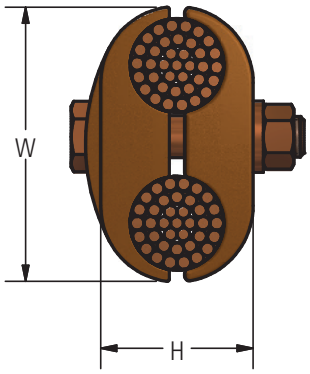
### Material

Copper Alloy

### Hardware

Everdur bolts, nuts and lockwashers




## Ordering Information

| CATALOG NUMBER | CABLE RANGE | | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|---|---|
| | RUN | TAP | H | L | W | |
| PC4-4 | 4 | 4 Str | 9/16 | 2 1/4 | 1 5/16 | 5/16 |
| PC5-4 | 3 | 4 Str | 9/16 | 2 1/4 | 1 5/16 | 5/16 |
| PC5-5 | 3 | 3 Str | 9/16 | 2 1/4 | 1 5/16 | 5/16 |
| PC6-4 | 2 | 4 Str | 5/8 | 2 1/4 | 1 3/8 | 5/16 |
| PC6-5 | 2 | 3 Str | 5/8 | 2 1/4 | 1 3/8 | 5/16 |
| PC6-6 | 1 | 2 Str | 3/4 | 2 1/4 | 1 1/2 | 5/16 |
| PC8-4 | 1 Str | 4 Str | 3/4 | 2 1/4 | 1 3/8 | 5/16 |
| PC8-5 | 1 Str | 3 Str | 3/4 | 2 1/4 | 1 3/8 | 5/16 |
| PC8-6 | 1 Str | 2 Str | 3/4 | 2 1/4 | 1 7/16 | 5/16 |
| PC8-8 | 1 Str | 1 Str | 3/4 | 2 1/4 | 1 7/16 | 5/16 |
| PC10-4 | 1/0 Str | 4 Str | 1 | 2 1/2 | 1 5/16 | 3/8 |
| PC10-5 | 1/0 Str | 3 Str | 1 | 2 1/2 | 1 7/16 | 3/8 |
| PC10-6 | 1/0 Str | 2 Str | 1 | 2 1/2 | 1 1/2 | 3/8 |
| PC10-8 | 1/0 Str | 1 Str | 1 | 2 1/2 | 1 1/2 | 3/8 |
| PC10-10 | 1/0 Str | 1/0 Str | 1 | 3 | 1 5/8 | 3/8 |
| PC13-4 | 2/0 Str | 4 Str | 1 3/16 | 2 1/2 | 1 7/16 | 3/8 |
| PC13-5 | 2/0 Str | 3 Str | 1 3/16 | 2 1/2 | 1 1/2 | 3/8 |
| PC13-6 | 2/0 Str | 2 Str | 1 3/16 | 2 1/2 | 1 1/2 | 3/8 |
| PC13-8 | 2/0 Str | 1 Str | 1 3/16 | 2 1/2 | 1 9/16 | 3/8 |
| PC13-10 | 2/0 Str | 1/0 Str | 1 3/16 | 3 | 1 9/16 | 3/8 |
| PC13-13 | 2/0 Str | 2/0 Str | 1 3/16 | 3 | 1 5/8 | 3/8 |
| PC17-4 | 3/0 Str | 4 Str | 1 3/16 | 2 1/2 | 1 1/2 | 3/8 |
| PC17-5 | 3/0 Str | 3 Str | 1 3/16 | 2 1/2 | 1 1/2 | 3/8 |
| PC17-6 | 3/0 Str | 2 Str | 1 3/16 | 2 3/4 | 1 9/16 | 3/8 |
| PC17-8 | 3/0 Str | 1 Str | 1 3/16 | 2 3/4 | 1 9/16 | 3/8 |
| PC17-10 | 3/0 Str | 1/0 Str | 1 3/16 | 3 | 1 5/8 | 3/8 |
| PC17-13 | 3/0 Str | 2/0 Str | 1 3/16 | 3 | 1 5/8 | 3/8 |
| PC17-17 | 3/0 Str | 3/0 Str | 1 3/16 | 4 | 1 11/16 | 3/8 |
| PC21-4 | 4/0 Str | 4 Str | 1 3/16 | 2 1/2 | 1 1/2 | 3/8 |
| PC21-5 | 4/0 Str | 3 Str | 1 3/16 | 2 1/2 | 1 9/16 | 3/8 |
| PC21-6 | 4/0 Str | 2 Str | 1 1/8 | 3 | 1 7/8 | 1/2 |
| PC21-8 | 4/0 Str | 1 Str | 1 3/16 | 2 3/4 | 1 5/8 | 3/8 |





© 2011, AFL, all rights reserved. PP-3-00391, Revision 1, 1.10.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE PC

### Copper Connector For Two Cable In Parallel

## Ordering Information

| CATALOG NUMBER | CABLE RANGE | | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|---|---|
| | RUN | TAP | H | L | W | |
| PC21-10 | 4/0 Str | 1/0 Str | 1 3/16 | 3 | 1 11/16 | 3/8 |
| PC21-13 | 4/0 Str | 2/0 Str | 1 1/16 | 3 | 1 11/16 | 3/8 |
| PC21-17 | 4/0 Str | 3/0 Str | 1 3/16 | 4 | 1 13/16 | 3/8 |
| PC21-21 | 4/0 Str | 4/0 Str | 1 3/16 | 4 | 1 3/4 | 3/8 |
| PC25-6 | 250 MCM | 2 Str | 1 3/16 | 2 3/4 | 1 5/8 | 3/8 |
| PC25-8 | 250 MCM | 1 Str | 1 3/16 | 2 3/4 | 1 5/8 | 3/8 |
| PC25-10 | 250 MCM | 1/0 Str | 1 3/16 | 3 | 1 3/4 | 3/8 |
| PC25-13 | 250 MCM | 2/0 Str | 1 3/16 | 3 | 1 3/4 | 3/8 |
| PC25-17 | 250 MCM | 3/0 Str | 1 3/16 | 4 | 1 7/8 | 3/8 |
| PC25-21 | 250 MCM | 4/0 Str | 1 3/16 | 4 | 1 15/16 | 3/8 |
| PC25-25 | 250 MCM | 250 MCM | 1 3/16 | 4 | 2 | 3/8 |
| PC30-8 | 300 MCM | 1 Str | 1 3/16 | 2 3/4 | 1 3/4 | 3/8 |
| PC30-10 | 300 MCM | 1/0 Str | 1 3/16 | 3 | 1 13/16 | 3/8 |
| PC30-13 | 300 MCM | 2/0 Str | 1 3/16 | 3 | 1 15/16 | 3/8 |
| PC30-17 | 300 MCM | 3/0 Str | 1 3/16 | 4 | 1 15/16 | 3/8 |
| PC30-21 | 300 MCM | 4/0 Str | 1 3/16 | 4 | 2 | 3/8 |
| PC30-25 | 300 MCM | 250 MCM | 1 3/16 | 4 | 2 1/16 | 3/8 |
| PC30-30 | 300 MCM | 300 MCM | 1 3/16 | 4 | 2 1/16 | 3/8 |
| PC35-8 | 350 MCM | 1 Str | 1 1/4 | 2 3/4 | 1 7/8 | 3/8 |
| PC35-10 | 350 MCM | 1/0 Str | 1 1/4 | 3 | 1 7/8 | 3/8 |
| PC35-13 | 350 MCM | 2/0 Str | 1 1/4 | 3 | 1 7/8 | 3/8 |
| PC35-17 | 350 MCM | 3/0 Str | 1 1/4 | 4 | 2 | 3/8 |
| PC35-21 | 350 MCM | 4/0 Str | 1 1/4 | 4 | 2 | 3/8 |
| PC35-25 | 350 MCM | 250 MCM | 1 1/4 | 4 | 2 1/8 | 3/8 |
| PC35-30 | 350 MCM | 300 MCM | 1 1/4 | 4 | 2 1/8 | 3/8 |
| PC35-35 | 350 MCM | 350 MCM | 1 1/4 | 4 | 2 3/16 | 3/8 |
| PC40-10 | 400 MCM | 1/0 Str | 1 5/16 | 3 | 1 7/8 | 3/8 |
| PC40-13 | 400 MCM | 2/0 Str | 1 5/16 | 3 | 1 7/8 | 3/8 |
| PC40-17 | 400 MCM | 3/0 Str | 1 5/16 | 4 | 2 1/16 | 3/8 |
| PC40-21 | 400 MCM | 4/0 Str | 1 5/16 | 4 | 2 1/16 | 3/8 |
| PC40-25 | 400 MCM | 250 MCM | 1 5/16 | 4 | 2 1/8 | 3/8 |
| PC40-30 | 400 MCM | 300 MCM | 1 5/16 | 4 | 2 1/8 | 3/8 |
| PC40-35 | 400 MCM | 350 MCM | 1 5/16 | 4 | 2 1/4 | 3/8 |
| PC40-40 | 400 MCM | 400 MCM | 1 5/16 | 4 | 2 1/4 | 3/8 |
| PC50-10 | 500 MCM | 1/0 Str | 1 3/8 | 3 | 1 15/16 | 3/8 |
| PC50-13 | 500 MCM | 2/0 Str | 1 3/8 | 3 | 2 | 3/8 |
| PC50-17 | 500 MCM | 3/0 Str | 1 3/8 | 4 | 2 3/16 | 3/8 |
| PC50-21 | 500 MCM | 4/0 Str | 1 3/8 | 4 | 2 3/16 | 3/8 |
| PC50-25 | 500 MCM | 250 MCM | 1 3/8 | 4 | 2 1/4 | 3/8 |
| PC50-30 | 500 MCM | 300 MCM | 1 3/8 | 4 | 2 1/4 | 3/8 |
| PC50-35 | 500 MCM | 350 MCM | 1 3/8 | 4 | 2 5/16 | 3/8 |
| PC50-40 | 500 MCM | 400 MCM | 1 3/8 | 4 | 2 5/16 | 3/8 |
| PC50-50 | 500 MCM | 500 MCM | 1 1/2 | 5 | 2 1/2 | 1/2 |
| PC60-13 | 600 MCM | 2/0 Str | 1 1/2 | 3 | 2 1/8 | 3/8 |
| PC60-17 | 600 MCM | 3/0 Str | 1 1/2 | 4 | 2 3/16 | 3/8 |
| PC60-21 | 600 MCM | 4/0 Str | 1 1/2 | 4 | 2 3/16 | 3/8 |
| PC60-25 | 600 MCM | 250 MCM | 1 1/2 | 4 | 2 5/16 | 3/8 |
| PC60-30 | 600 MCM | 300 MCM | 1 1/2 | 4 | 2 5/16 | 3/8 |
| PC60-35 | 600 MCM | 350 MCM | 1 1/2 | 4 | 2 3/8 | 3/8 |
| PC60-40 | 600 MCM | 400 MCM | 1 1/2 | 4 | 2 3/8 | 3/8 |
| PC60-50 | 600 MCM | 500 MCM | 1 11/16 | 5 | 2 5/8 | 1/2 |
| PC60-60 | 600 MCM | 600 MCM | 1 11/16 | 5 | 2 3/4 | 1/2 |
| PC70-13 | 700 MCM | 2/0 Str | 1 5/8 | 3 | 2 3/16 | 3/8 |
| PC70-17 | 700 MCM | 3/0 Str | 1 5/8 | 4 | 2 1/4 | 3/8 |
| PC70-21 | 700 MCM | 4/0 Str | 1 5/8 | 4 | 2 1/4 | 3/8 |
| PC70-25 | 700 MCM | 250 MCM | 1 5/8 | 4 | 2 3/8 | 3/8 |
| PC70-30 | 700 MCM | 300 MCM | 1 5/8 | 4 | 2 3/8 | 3/8 |
| PC70-35 | 700 MCM | 350 MCM | 1 5/8 | 4 | 2 1/2 | 3/8 |
| PC70-40 | 700 MCM | 400 MCM | 1 5/8 | 4 | 2 1/2 | 3/8 |
| PC70-50 | 700 MCM | 500 MCM | 1 13/16 | 5 | 2 11/16 | 1/2 |
| PC70-60 | 700 MCM | 600 MCM | 1 13/16 | 5 | 2 13/16 | 1/2 |
| PC70-70 | 700 MCM | 700 MCM | 1 13/16 | 5 | 2 7/8 | 1/2 |
| PC75-21 | 750 MCM | 4/0 Str | 1 11/16 | 4 | 2 5/16 | 3/8 |





© 2011, AFL, all rights reserved. PP-3-00391, Revision 1, 1.10.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE PC

**Copper Connector For Two Cable In Parallel**

### Ordering Information

| CATALOG NUMBER | CABLE RANGE | | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|---|---|
| | RUN | TAP | H | L | W | |
| PC75-25 | 750 MCM | 250 MCM | 1 11/16 | 4 | 2 7/16 | 3/8 |
| PC75-30 | 750 MCM | 300 MCM | 1 11/16 | 4 | 2 7/16 | 3/8 |
| PC75-35 | 750 MCM | 350 MCM | 1 11/16 | 4 | 2 1/2 | 3/8 |
| PC75-40 | 750 MCM | 400 MCM | 1 11/16 | 4 | 2 1/2 | 3/8 |
| PC75-50 | 750 MCM | 500 MCM | 1 3/4 | 5 | 2 3/4 | 1/2 |
| PC75-60 | 750 MCM | 600 MCM | 1 3/4 | 5 | 2 7/8 | 1/2 |
| PC75-70 | 750 MCM | 700 MCM | 1 3/4 | 5 | 2 15/16 | 1/2 |
| PC75-75 | 750 MCM | 750 MCM | 1 3/4 | 5 | 3 | 1/2 |
| PC80-21 | 800 MCM | 4/0 Str | 1 3/4 | 4 | 2 15/16 | 3/8 |
| PC80-25 | 800 MCM | 250 MCM | 1 3/4 | 4 | 2 7/16 | 3/8 |
| PC80-30 | 800 MCM | 300 MCM | 1 3/4 | 4 | 2 7/16 | 3/8 |
| PC80-35 | 800 MCM | 350 MCM | 1 3/4 | 4 | 2 1/2 | 3/8 |
| PC80-40 | 800 MCM | 400 MCM | 1 3/4 | 4 | 2 5/8 | 3/8 |
| PC8O-50 | 800 MCM | 500 MCM | 1 7/8 | 5 | 2 3/4 | 1/2 |
| PC80-60 | 800 MCM | 600 MCM | 1 7/8 | 5 | 2 7/8 | 1/2 |
| PC80-70 | 800 MCM | 700 MCM | 1 7/8 | 5 | 2 15/16 | 1/2 |
| PC80-75 | 800 MCM | 750 MCM | 1 7/8 | 5 | 3 | 1/2 |
| PC80-80 | 800 MCM | 800 MCM | 1 7/8 | 5 | 3 | 1/2 |
| PC100-21 | 1000 MCM | 4/0 Str | 1 3/4 | 4 | 2 1/2 | 3/8 |
| PC100-25 | 1000 MCM | 250 MCM | 1 3/4 | 4 | 2 9/16 | 3/8 |
| PC100-30 | 1000 MCM | 300 MCM | 1 3/4 | 4 | 2 9/16 | 3/8 |
| PC100-35 | 1000 MCM | 350 MCM | 1 3/4 | 4 | 2 5/8 | 3/8 |
| PC100-40 | 1000 MCM | 400 MCM | 1 3/4 | 4 | 2 5/8 | 3/8 |
| PC100-50 | 1000 MCM | 500 MCM | 1 7/8 | 5 | 2 7/8 | 1/2 |
| PC100-60 | 1000 MCM | 600 MCM | 1 7/8 | 5 | 3 | 1/2 |
| PC100-70 | 1000 MCM | 700 MCM | 1 7/8 | 5 | 3 1/16 | 1/2 |
| PC100-75 | 1000 MCM | 750 MCM | 1 7/8 | 5 | 3 1/8 | 1/2 |
| PC100-80 | 1000 MCM | 800 MCM | 1 7/8 | 5 | 3 1/8 | 1/2 |
| PC100-100 | 1000 MCM | 1000 MCM | 1 7/8 | 5 | 3 1/4 | 1/2 |



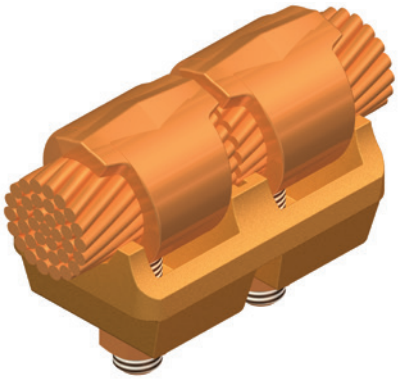


© 2011, AFL, all rights reserved. PP-3-00391, Revision 1, 1.10.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE Q2L, Q2L-E

### Copper Service Tap Connector For Two Cables To Flat



Double tap lugs series are designed to fit NEMA two hole pads with two 9/16 inch holes on 1 3/4 inch center except the small sizes. Compact construction and two high strength clamp members reduce cantilever distance and increase pull out resistance of conductors.

### Material

Copper Alloy

### Hardware

Everdur nuts and lockwashers

### Note

Type Q2L is for use with 1/4 inch bus bar. Type Q2L-E is for use with 1/2-3/4 inch bus bar.

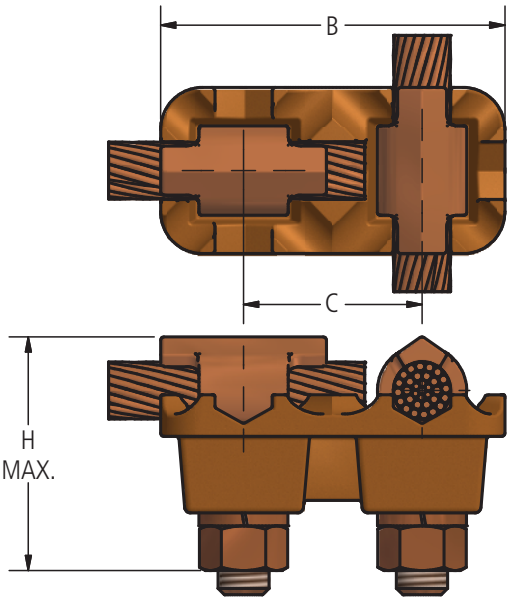



FIG. 1

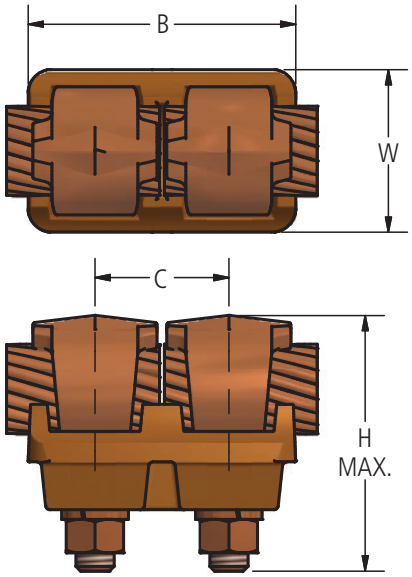



FIG. 2

## Ordering Information

| CATALOG NUMBER | | CABLE RANGE | | FIGURE NUMBER | DIMENSIONS IN INCHES | | | | U-BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|
| | | MIN | MAX | | B | C | H MAXIMUM | W | |
| Q2L8 | Q2L8E | 10 Solid | #1 Stranded | 1 | 2 1/4 | 1 1/4 | 1 15/16 | 1 1/8 | 3/8 |
| Q2L13 | Q2L13E | 8 Solid | 2/0 Stranded | 1 | 2 3/8 | 1 1/4 | 2 | 1 1/4 | 3/8 |
| Q2L13-50 | Q2L13-50E | 8 Solid | 2/0 Stranded | 1 | 3 1/8 | 1 3/4 | 2 1/4 | 1 1/2 | 1/2 |
| Q2L25 | Q2L25E | 6 Solid | 250 MCM | 1 | 3 3/8 | 1 3/4 | 2 5/8 | 1 5/8 | 1/2 |
| Q2L35 | Q2L35E | 2 Solid | 350 MCM | 1 | 3 1/2 | 1 3/4 | 2 3/4 | 1 3/4 | 1/2 |
| Q2L50 | Q2L50E | 1/0 Solid | 500 MCM | 2 | 4 | 1 3/4 | 3 1/8 | 1 13/16 | 1/2 |
| Q2L75 | Q2L75E | 350 MCM | 750 MCM | 2 | 4 | 1 3/4 | 3 1/4 | 1 7/8 | 1/2 |
| Q2L100 | Q2L100E | 500 MCM | 1000 MCM | 2 | 4 | 1 3/4 | 3 3/8 | 2 1/8 | 1/2 |



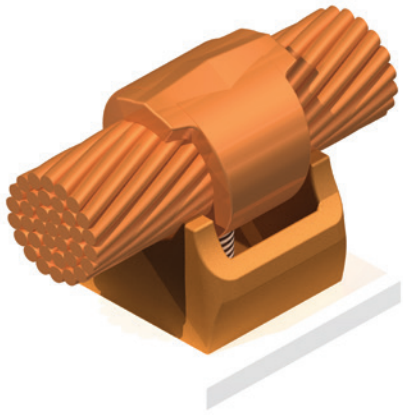


© 2011, AFL, all rights reserved. 2.24.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE QL, QL-E

### Service Tap Connector For Cable To Flat Bus Bar



A versatile service tap connector which takes a wide range of cable sizes. Used for mounting on switch pads, current transformer terminals, and miscellaneous flat bus conductors. The single hole mounting enables the plane of the flat bus.

### Material

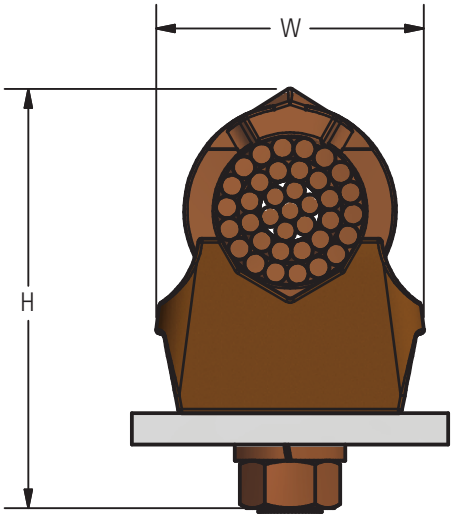
Copper Alloy

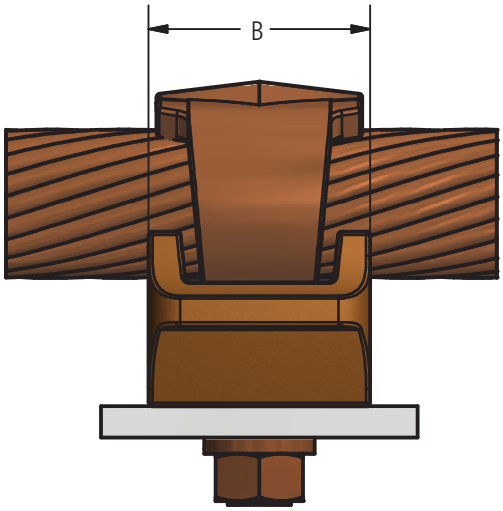
### Hardware

Everdur nuts and lockwashers

### Notes

- QL is for use with 1/4 inch bus bar. Type QL-E is for use with 1/2-3/4 inch bus bar.
- For Stainless Steel Hardware, add "-SS" to catalog number. EX: QL25-SS




## Ordering Information

| CATALOG NUMBER | | CABLE RANGE | | DIMENSIONS IN INCHES | | | U-BOLT SIZE |
|---|---|---|---|---|---|---|---|
| 1/4" BAR | 3/4" BAR | MIN | MAX | B | H MAX | W | |
| QL8 | QL8E | 10 Solid | #1 Stranded | 1 1/16 | 1 15/16 | 7/8 | 3/8 |
| QL13 | QL13E | 8 Solid | 2/0 Stranded | 1 1/4 | 2 | 1 1/16 | 3/8 |
| QL13-50 | QL13-50E | 8 Solid | 2/0 Stranded | 1 1/4 | 2 1/4 | 1 1/16 | 1/2 |
| QL25 | QL25E | 6 Solid | 250 MCM | 1 5/8 | 2 5/8 | 1 5/16 | 1/2 |
| QL35 | QL35E | 2 Solid | 350 MCM | 1 11/16 | 2 3/4 | 1 3/8 | 1/2 |
| QL50 | QL50E | 1/0 Solid | 500 MCM | 2 3/16 | 3 1/8 | 1 3/4 | 1/2 |
| QL75 | QL75E | 350 MCM | 750 MCM | 2 1/4 | 3 1/4 | 1 7/8 | 1/2 |
| QL100 | QL100E | 500 MCM | 1000 MCM | 2 1/4 | 3 3/8 | 2 1/16 | 1/2 |





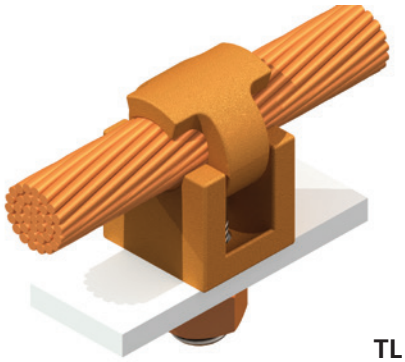
© 2011, AFL, all rights reserved. PP-3-00425, Revision 1, 11.9.18
Specifications are subject to change without notice.

# DOSSERT®

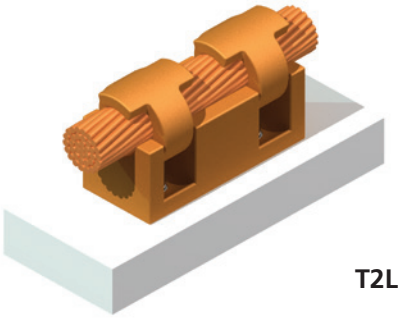
## TYPE TL, TL-E, T2L, T2L-E

### Copper Low Mount Tap Lug For Cable To Flat Bar

A low mount tap lug for cable to bar connections. Finds wide application on current transformers and tap connections for metering equipment. See Type T2L for double tap design. Type T2L is designed to meet NEMA pad drilling and all sizes can mount side by side without interference.



TL



T2L

### Material

Copper Alloy

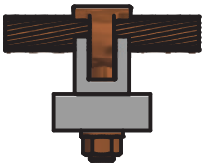
Eyebolt- Aluminum Bronze

### Hardware

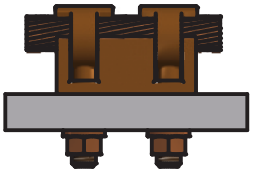
Nut and lock washers-Everdur.

### Note

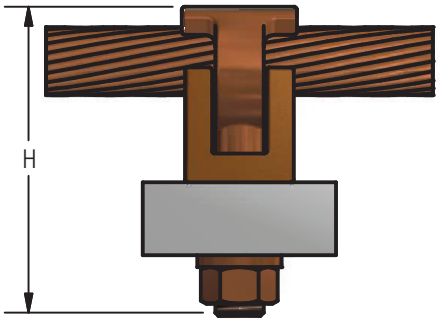
- Type TL is for use with 1/4 inch bar. Type TL-E is use with 1/2 - 3/4 inch bar.
- For Double Tap lug change TL to T2L.
- For Silver palted finish add suffix (AG) to catalog number Ex: TL13-AG

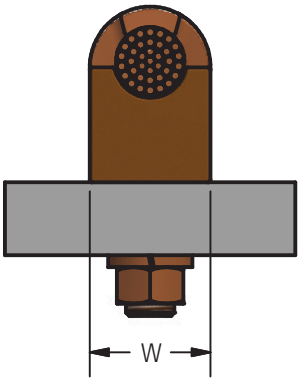


TL AND TL-E



T2L AND T2L-E




## Ordering Information

| FOR BAR THICKNESS | | | | CABLE RANGE | | DIMENSIONS IN INCHES COMMON TO BOTH 1/4 AND 3/4 TYPES | | |
|---|---|---|---|---|---|---|---|---|
| 1/4" | | 3/4" | | | | | | |
| CATALOG NUMBER | H | CATALOG NUMBER | H | MIN | MAX | B | W | BOLT SIZE |
| TL6 | 1 3/4 | TL6E | 2 1/4 | 10 Solid | #2 Str | 13/16 | 3/4 | 3/8 |
| TL13 | 2 3/16 | TL13E | 2 11/16 | 8 Solid | 2/0 Str | 1 | 1 | 1/2 |
| TL25 | 2 7/16 | TL25E | 2 15/16 | 6 Solid | 250 MCM | 1 | 1 | 1/2 |
| TL35 | 2 11/16 | TL35E | 3 3/16 | 2 Solid | 350 MCM | 1 1/8 | 1 1/4 | 1/2 |
| TL50 | 2 7/8 | TL50E | 3 3/8 | #1/0 Solid | 500 MCM | 1 5/16 | 1 5/16 | 1/2 |
| TL75 | 2 13/16 | TL75E | 3 5/16 | 350 MCM | 750 MCM | 1 3/8 | 1 1/2 | 1/2 |
| TL100 | 3 1/4 | TL100E | 3 3/4 | 500 MCM | 1000 MCM | 1 1/2 | 1 11/16 | 1/2 |

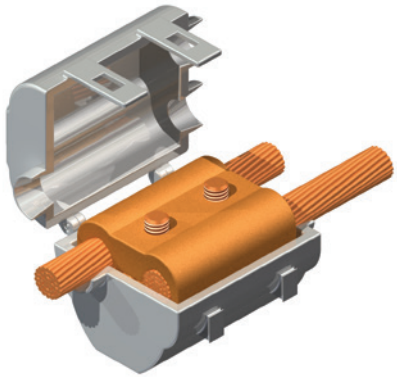




© 2011, AFL, all rights reserved. PP-3-00477, Revision 0, 2.24.11
Specifications are subject to change without notice.

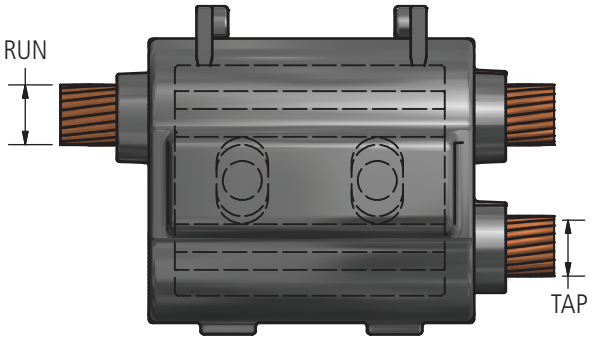
# DOSSERT®

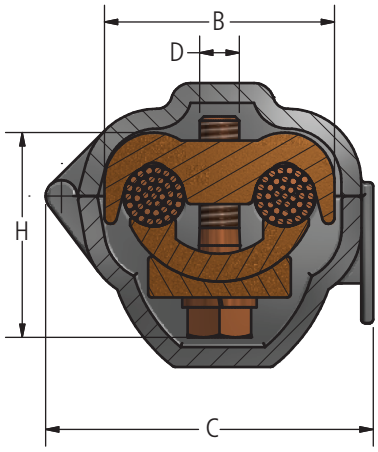
## TYPE TRV
### Parallel Connector

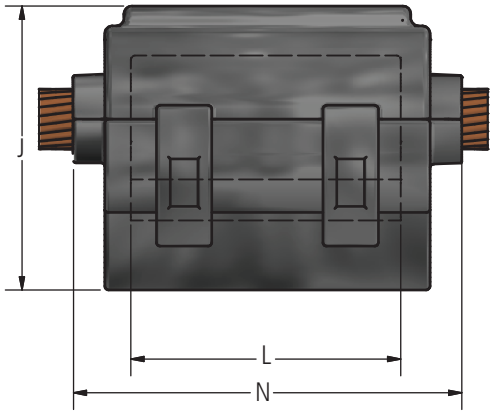


### Material
Copper Alloy

### Hardware
Everdur-bolts and lock washers, Black Polyethylene Cover.




## Ordering Information

| CATALOG NUMBER | CABLE RANGE | | | | DIMENSIONS IN INCHES | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MAIN | | TAP | | B | C | D | H | J | L | N |
| | MIN | MAX | MIN | MAX | | | | | | | |
| TRV10-10 | #8 | # 1/0 | #8 | # 1/0 | 1 8/16 | 2 11/32 | 5/16 | 1 6/16 | 1 25/32 | 1 10/16 | 2 5/8 |
| TRV17-10 | #4 | # 3/0 | #8 | # 1/0 | 17/10 | 2 19/32 | 3/8 | 1 10/16 | 2 1/32 | 2 2/16 | 3 1/8 |
| TRV17-17 | #4 | # 3/0 | #4 | # 3/0 | 1 3/4 | 2 19/32 | 3/8 | 1 10/16 | 2 1/32 | 2 2/16 | 3 1/8 |
| TRV10-35 | #8 | # 1/0 | # 3/0 | 350 | 2 1/16 | 2 15/16 | 3/8 | 1 14/16 | 2 7/32 | 2 2/16 | 3 1/8 |
| TRV35-10 | # 3/0 | 350 | #8 | # 1/0 | 2 1/16 | 2 15/16 | 3/8 | 1 14/16 | 2 7/32 | 2 2/16 | 3 1/8 |
| TRV35-35 | # 3/0 | 350 | # 3/0 | 350 | 2 5/16 | 3 5/32 | 3/8 | 1 15/16 | 2 1/4 | 2 2/16 | 3 1/8 |



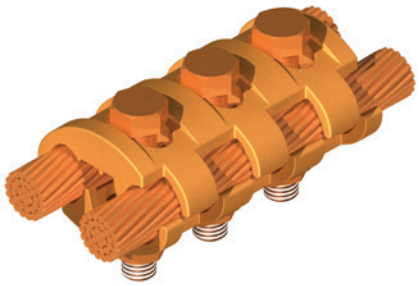


© 2011, AFL, all rights reserved. PP-3-00483, Revision 0, 2.24.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE UD

### Universal Parallel Clamp



A universal clamp to provide a connection for two cables or wires over a wide range of sizes. The interlocking of the halves of this clamp insures a good grip and high area of a contact for all conductors.

### Material

Copper Alloy

### Hardware

Everdur bolts, nuts and lockwashers

### Notes

- Voltage rating is 230KV
- For tin plating add "-SN" to end of catalog number. EX: UD50-21-SN
- Also add "GS" for galvanized steel hardware.

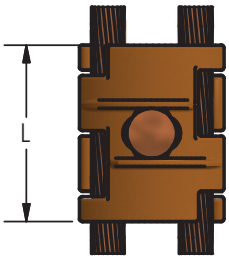



FIG. 1

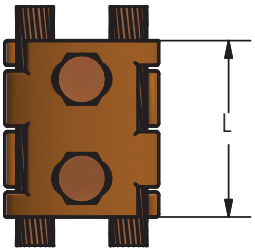



FIG. 2

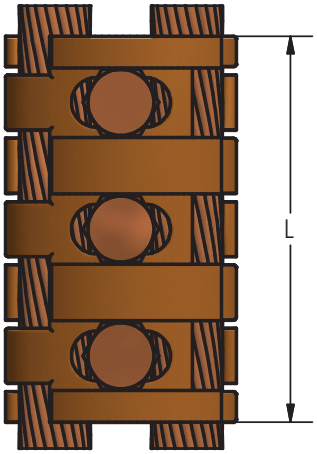
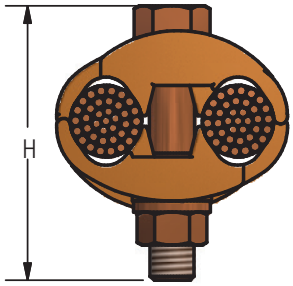



FIG. 3




## Ordering Information

| CATALOG NUMBER | CONDUCTOR RANGE FOR RUN AND TAP | FIG. NO. | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|---|
| | | | H | L | BOLT SIZE |
| UD10-2 | No. 6 Solid - 1/0 Stranded | 1 | 1 3/4 | 2 | 3/8 |
| UD21-4 | No. 4 Solid - 4/0 Stranded | 2 | 2 | 2 1/4 | 3/8 |
| UD30-6 | No. 2 Solid - 300 kcmil | 2 | 2 1/4 | 2 1/2 | 3/8 |
| UD50-21 | 4/0 Stranded - 500 kcmil | 3 | 2 3/4 | 4 3/8 | 1/2 |
| UD80-30 | 300 Stranded - 800 kcmil | 3 | 3 1/4 | 4 1/2 | 1/2 |
| UD100-50 | 500 Stranded - 1000 kcmil | 3 | 3 1/2 | 4 5/8 | 1/2 |



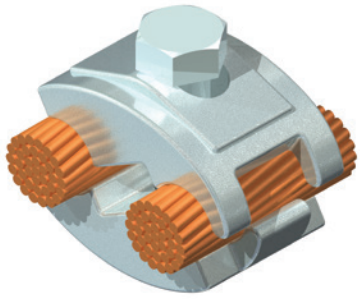


© 2011, AFL, all rights reserved. PP-3-00489, Revision 0, 2.24.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE UDV

### Compact Parallel Groove Connector



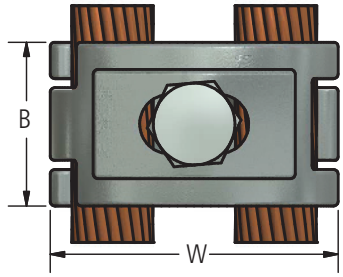
A compact parallel groove connector which is designed for use on either copper, aluminum, ACSR, Copperclad, amerductor, steel or any combination thereof. This light duty connector accepts a wide range of conductor sizes.

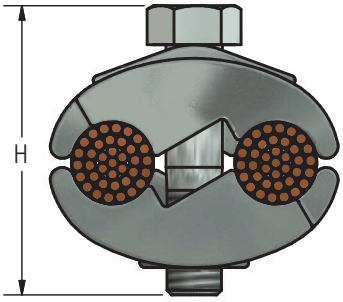
### Material

Tin Plated Copper Alloy

### Hardware

Everdur bolts, nuts and lockwashers




## Ordering Information

| CATALOG NUMBER | DIMENSIONS IN INCHES | | | |
|---|---|---|---|---|
| | B | H | W | BOLT SIZE |
| UDV13 | 1 | 1 3/16 | 1 7/16 | 5/16 |
| UDV21 | 1 1/8 | 1 1/2 | 1 3/4 | 3/8 |

| CONDUCTORS | CONDUCTOR RANGE | | | |
|---|---|---|---|---|
| | UDV13 | | UDV21 | |
| | CONDUCTOR RANGE | | CONDUCTOR RANGE | |
| | MIN | MAX | MIN | MAX |
| COPPER | #8 SOL. | 2/0 STR. | #2 SOL. | 4/0 STR. |
| A.C.S.R | #6 | 1/0 | #3 | 4/0 |
| COPPERCLAD | #8 | 7 #7 | 3 #8 | 7 #6 |
| A.C.S.R. OVER ARMOR ROD | #6 | | #6 | #3 |
| STEEL GUY WIRE | 1/6 | 4/9 | 2/7 | 4/7 |
| STEEL | #8 SOL. | #4-3 WIRE | #4-3 WIRE | |
| AMERDUCTOR TYPES SCP & SCB | #12 | #2 | #4 | #2 |





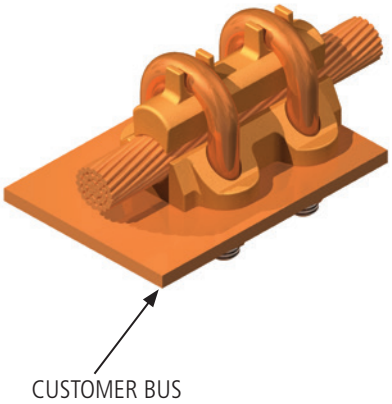
© 2011, AFL, all rights reserved. PP-3-00492, Revision 2, 12.16.16
Specifications are subject to change without notice.

# DOSSERT®

## TYPE UM

### Copper U-Bolt Variable Range Terminal

A U-bolt variable terminal lug for connecting cables to flat bar buses.

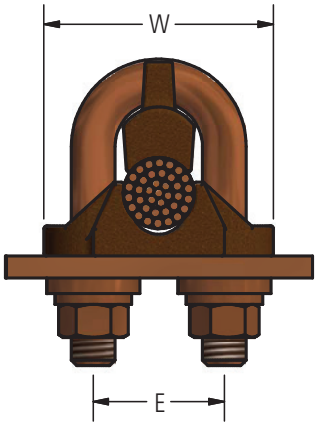


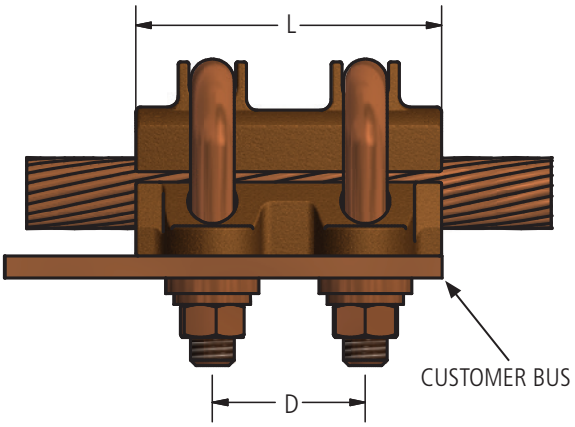

### Material

Copper Alloy

### Hardware

Everdur U-bolts, nuts and lockwashers




## Ordering Information

| CATALOG NUMBER | CABLE RANGE | | DIMENSIONS IN INCHES | | | | |
|---|---|---|---|---|---|---|---|
| | MIN | MAX | D | E | L | W | U-BOLT SIZE |
| UM13 | #6 | 2/0 STR | 1 1/4 | 13/16 | 2 1/2 | 1 3/16 | 5/16 |
| UM21 | #1 | 4/0 STR | 1 1/4 | 31/32 | 2 5/8 | 1 7/8 | 3/8 |
| UM30 | 1/0 STR | 300 MCM | 1 1/2 | 1 1/16 | 2 3/4 | 1 15/16 | 3/8 |
| UM50 | 300 MCM | 500 MCM | 2 1/8 | 1 3/8 | 4 1/4 | 2 1/2 | 1/2 |
| UM80 | 500 MCM | 800 MCM | 1 3/4 | 1 19/32 | 3 1/4 | 2 13/16 | 1/2 |
| UM100 | 750 MCM | 1000 MCM | 1 13/16 | 1 23/32 | 3 1/2 | 2 15/16 | 1/2 |
| UM150 | 1000 MCM | 1500 MCM | 2 | 2 | 4 | 3 3/16 | 1/2 |
| UM200 | 1500 MCM | 2000 MCM | 2 | 2 1/4 | 4 1/2 | 3 3/8 | 1/2 |



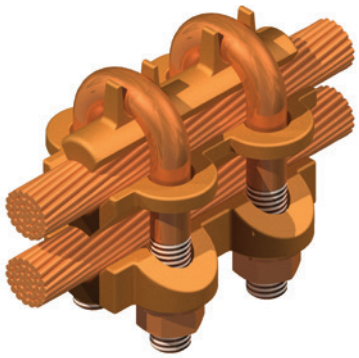


© 2011, AFL, all rights reserved. PP-3-00503, Revision 1, 5.28.14
Specifications are subject to change without notice.

# DOSSERT®

## TYPE UP, UP-3

### U-bolt Parallel Clamp



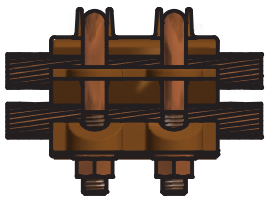
A U-bolt type connector for clamping two cable conductors in parallel. The high compressive action applied by the U-bolts acts directly and uniformly on the two conductors. The variability of each clamping section makes possible numerous combinations of cable.

**Material**

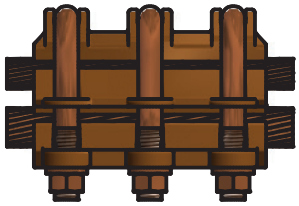
Copper Alloy

**Hardware**

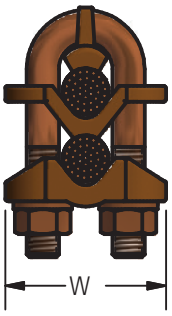
Everdur U-bolts, nuts, and lockwashers.

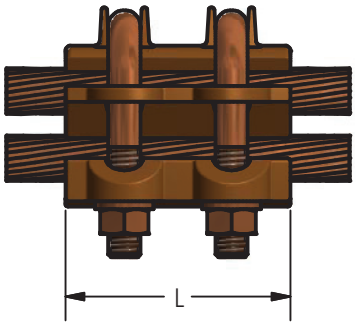


UP



UP-3




## Ordering Information

| CATALOG NUMBER | | CABLE RANGE | | | | DIMENSIONS IN INCHES | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|
| | | RUN | | TAP | | | | |
| UP | UP-3 | MIN | MAX | MIN | MAX | L | W | |
| UP13-13 | UP13-13-3 | 6 Str | 2/0 Str | 6 Str | 2/0 Str | 2 1/2 | 1 9/16 | 5/16 |
| UP21-13 | UP21-13-3 | 1 Str | 4/0 Str | 6 Str | 2/0 Str | 2 5/8 | 1 7/8 | 3/8 |
| UP21-21 | UP21-21-3 | 1 Str | 4/0 Str | 1 Str | 4/0 Str | 2 5/8 | 1 7/8 | 3/8 |
| UP30-13 | UP30-13-3 | 1/0 Str | 300 kcmil | 6 Str | 2/0 Str | 2 3/4 | 1 15/16 | 3/8 |
| UP30-21 | UP30-21-3 | 1/0 Str | 300 kcmil | 1 Str | 4/0 Str | 2 3/4 | 1 15/16 | 3/8 |
| UP30-30 | UP30-30-3 | 1/0 Str | 300 kcmil | 1/0 Str | 300 kcmil | 3 1/4 | 1 15/16 | 3/8 |
| UP50-21 | UP50-21-3 | 300 kcmil | 500 kcmil | 1 Str | 4/0 Str | 2 3/4 | 2 1/8 | 3/8 |
| UP50-30 | UP50-30-3 | 300 kcmil | 500 kcmil | 1/0 Str | 300 kcmil | 4 1/4 | 2 1/8 | 3/8 |
| UP50-50 | UP50-50-3 | 300 kcmil | 500 kcmil | 300 kcmil | 500 kcmil | 4 1/4 | 2 1/8 | 1/2 |
| UP80-30 | UP80-30-3 | 500 kcmil | 800 kcmil | 1/0 Str | 300 kcmil | 3 1/4 | 2 13/16 | 3/8 |
| UP80-50 | UP80-50-3 | 500 kcmil | 800 kcmil | 300 kcmil | 500 kcmil | 5 1/4 | 2 13/16 | 1/2 |
| UP80-80 | UP80-80-3 | 500 kcmil | 800 kcmil | 500 kcmil | 800 kcmil | 4 1/4 | 2 13/16 | 1/2 |
| UP100-100 | UP100-100-3 | 750 kcmil | 1000 kcmil | 750 kcmil | 1000 kcmil | 5 1/4 | 2 15/16 | 1/2 |
| UP100-50 | UP100-50-3 | 750 kcmil | 1000 kcmil | 300 kcmil | 500 kcmil | 4 1/4 | 2 15/16 | 1/2 |
| UP100-80 | UP100-80-3 | 750 kcmil | 1000 kcmil | 500 kcmil | 800 kcmil | 5 1/4 | 2 15/16 | 1/2 |
| UP150-80 | UP150-80-3 | 1000 kcmil | 1500 kcmil | 500 kcmil | 800 kcmil | 5 1/4 | 3 3/16 | 1/2 |
| UP150-100 | UP150-100-3 | 1000 kcmil | 1500 kcmil | 750 kcmil | 1000 kcmil | 5 1/4 | 3 3/16 | 1/2 |
| UP150-150 | UP150-150-3 | 1000 kcmil | 1500 kcmil | 1000 kcmil | 1500 kcmil | 5 1/4 | 3 3/16 | 1/2 |
| UP200-80 | UP200-80-3 | 1500 kcmil | 2000 kcmil | 500 kcmil | 800 kcmil | 5 1/4 | 3 3/8 | 1/2 |
| UP200-100 | UP200-100-3 | 1500 kcmil | 2000 kcmil | 750 kcmil | 1000 kcmil | 5 1/4 | 3 3/8 | 1/2 |
| UP200-150 | UP200-150-3 | 1500 kcmil | 2000 kcmil | 1000 kcmil | 1500 kcmil | 5 1/4 | 3 3/8 | 1/2 |
| UP200-200 | UP200-200-3 | 1500 kcmil | 2000 kcmil | 1500 kcmil | 2000 kcmil | 5 1/4 | 3 3/8 | 5/8 |



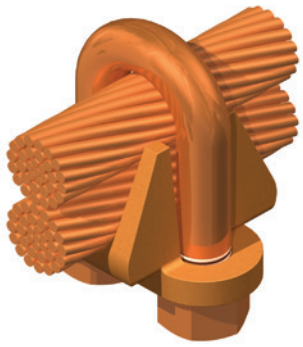


© 2011, AFL, all rights reserved. PP-3-00506, Revision 0, 2.24.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE WC

### Cable Clip For Securing Ends Of Cable



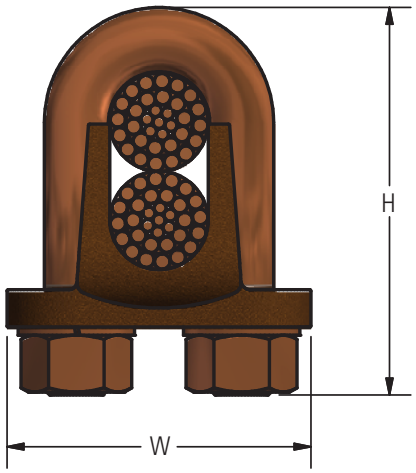
A high strength wire or cable clip for securing the ends of wire or cable conductors or grounds. Completely corrosion resistant.

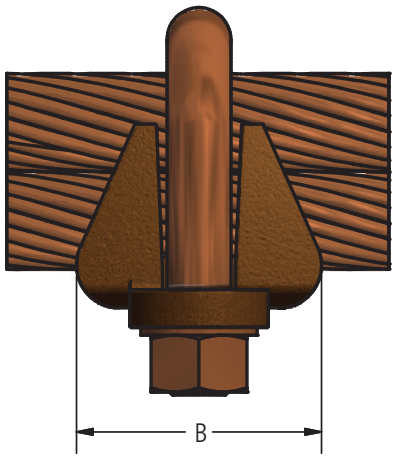
### Material

Copper Alloy

### Hardware

Everdur U-bolts, nuts and lockwashers




## Ordering Information

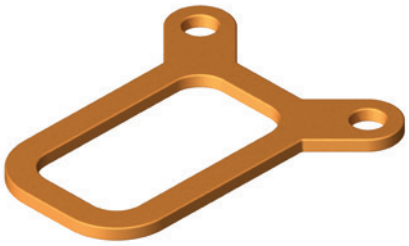
| CATALOG NUMBER | CABLE RANGE | | | DIMENSIONS IN INCHES | | | U-BOLT SIZE |
|---|---|---|---|---|---|---|---|
| | COPPER WIRE | | GUY WIRE | B | H | W | |
| | MIN | MAX | | | | | |
| WC4 | - | 4 STR | 1/4 | 1 1/4 | 1 5/8 | 1 3/4 | 3/8 |
| WC6 | - | 3 STR | 5/16 | 1 1/4 | 1 3/4 | 1 3/4 | 3/8 |
| WC10 | - | 1/0 STR | 3/8 | 1 1/4 | 2 | 1 3/4 | 1/2 |
| WC13 | - | 2/0 STR | 7/16 | 1 3/8 | 2 7/16 | 2 1/4 | 1/2 |
| WC21 | 3/0 STR | 4/0 STR | 1/2 | 1 5/8 | 2 1/2 | 2 1/4 | 5/8 |
| WC30 | 4/0 STR | 300 MCM | 5/8 | 1 5/8 | 3 | 2 5/16 | 5/8 |
| WC40 | 350MCM | 400 MCM | 3/4 | 2 | 3 3/8 | 2 3/4 | 3/4 |
| WC55 | 450MCM | 550 MCM | 7/8 | 2 | 3 5/8 | 2 7/8 | 3/4 |
| WC75 | 600MCM | 750MCM | 1 | 2 1/2 | 4 3/8 | 3 3/8 | 3/4 |





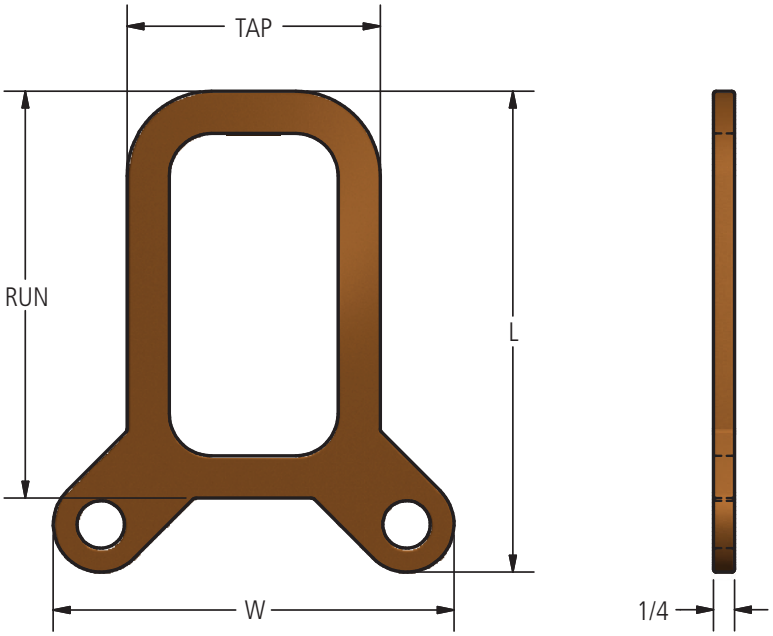
© 2011, AFL, all rights reserved. PP-3-00520, Revision 0, 2.24.11
Specifications are subject to change without notice.

# DOSSERT®
## TYPE BS



A bronze spacer for a standard bus bar spacing of 1/4 inch. Designed for use with both A and H clamps.

### Material
Copper Alloy




## Ordering Information

| CATALOG NUMBER | WIDTH OF BARS | | DIMENSIONS IN INCHES | | BOLT SIZE |
|---|---|---|---|---|---|
| | RUN | TAP | L | W | |
| BS11 | 1 | 1 | 1 5/8 | 2 5/16 | 3/8 |
| BS21 | 2 | 1 | 2 5/8 | 2 5/16 | 3/8 |
| BS22 | 2 | 2 | 2 5/8 | 3 5/16 | 3/8 |
| BS31 | 3 | 1 | 3 5/8 | 2 5/16 | 3/8 |
| BS32 | 3 | 2 | 3 5/8 | 3 5/16 | 3/8 |
| BS33 | 3 | 3 | 3 5/8 | 4 5/16 | 3/8 |
| BS42 | 4 | 2 | 4 5/8 | 3 5/16 | 3/8 |
| BS43 | 4 | 3 | 4 3/4 | 4 3/4 | 1/2 |
| BS44 | 4 | 4 | 4 3/4 | 5 3/4 | 1/2 |
| BS52 | 5 | 2 | 5 3/4 | 3 5/8 | 1/2 |
| BS53 | 5 | 3 | 5 3/4 | 4 3/4 | 1/2 |
| BS54 | 5 | 4 | 5 3/4 | 5 3/4 | 1/2 |
| BS55 | 5 | 5 | 5 7/8 | 7 1/8 | 5/8 |
| BS62 | 6 | 2 | 6 3/4 | 3 5/8 | 1/2 |
| BS63 | 6 | 3 | 6 3/4 | 4 3/4 | 1/2 |
| BS64 | 6 | 4 | 6 3/4 | 5 3/4 | 1/2 |
| BS65 | 6 | 5 | 6 7/8 | 7 1/8 | 5/8 |
| BS66 | 6 | 6 | 6 7/8 | 8 1/8 | 5/8 |





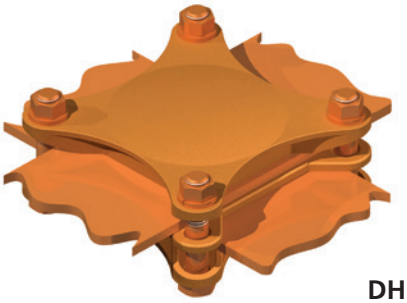
© 2011, AFL, all rights reserved. PP-3-00257, Revision 0, 3.3.11
Specifications are subject to change without notice.

# DOSSERT®

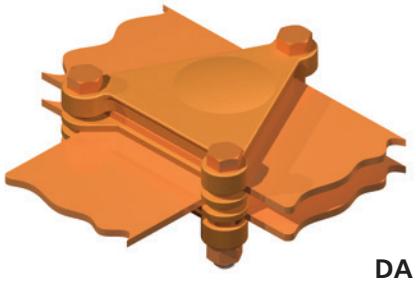
## TYPE DH, DA

**Copper Clamp For Flat Bus Bars DH is a four bolt design and DA is a three bolt design.**

A clamp for developing high contact pressures between flat copper bus bars.This rugged connector may be used for coupling, crossing, aligning bus or tapping conductors.



DH



DA

### Material

Copper Alloy

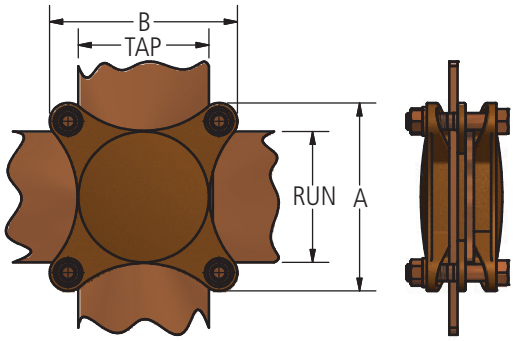
### Hardware

Everdur bolts, nuts and lockwashers

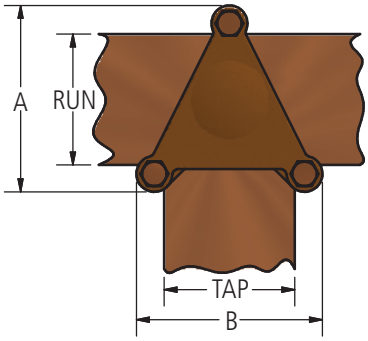
### Notes

For a 4" main and 4" tap with three bolt patern order DA44.

If more than two bars are used, add to the suffix "number of bars to be clamped." EX: DH11-3




DH




DA

## Ordering Information

| CATALOG NUMBER | | FLAT BUS SIZE | | DIMENSIONS IN INCHES | | BOLT SIZE |
|---|---|---|---|---|---|---|
| | | RUN | TAP | A | B | |
| DH11 | DA11 | 1 | 1 | 2 5/16 | 2 5/16 | 3/8 |
| DH21 | DA21 | 2 | 1 | 3 5/16 | 3 5/16 | 3/8 |
| DH22 | DA22 | 2 | 2 | 3 5/16 | 3 5/16 | 3/8 |
| DH31 | DA31 | 3 | 1 | 4 5/16 | 2 5/16 | 3/8 |
| DH32 | DA32 | 3 | 2 | 4 5/16 | 3 5/16 | 3/8 |
| DH33 | DA33 | 8 | 3 | 4 5/16 | 4 5/16 | 3/8 |
| DH42 | DA42 | 4 | 2 | 5 5/16 | 3 5/16 | 3/8 |
| DH43 | DA43 | 4 | 3 | 5 3/4 | 4 3/4 | 1/2 |
| DH44 | DA44 | 4 | 4 | 5 3/4 | 5 3/4 | 1/2 |
| DH52 | DA52 | 5 | 2 | 6 3/4 | 3 3/4 | 1/2 |
| DH53 | DA53 | 5 | 3 | 6 3/4 | 4 3/4 | 1/2 |
| DH54 | DA54 | 5 | 4 | 6 3/4 | 5 3/4 | 1/2 |
| DH55 | DA55 | 5 | 5 | 7 1/8 | 7 1/8 | 5/8 |
| DH62 | DA62 | 6 | 2 | 7 3/4 | 3 3/4 | 1/2 |
| DH63 | DA63 | 6 | 3 | 7 3/4 | 4 3/4 | 1/2 |
| DH64 | DA64 | 6 | 4 | 7 3/4 | 5 3/4 | 1/2 |
| DH65 | DA65 | 6 | 5 | 8 1/8 | 7 1/8 | 5/8 |
| DH66 | DA66 | 6 | 6 | 8 1/8 | 8 1/8 | 5/8 |





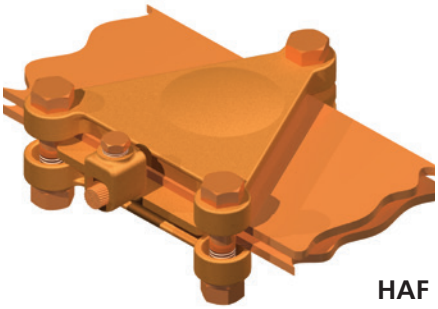
© 2011, AFL, all rights reserved. PP-3-00310, Revision 1, 8.6.13
Specifications are subject to change without notice.

# DOSSERT®

## TYPE HAF, H2AF, H3AF, H4AF

**Tee Connector For Tapping Flat Bar With Cable HAF connects one cable to flat bus bars, H2AF connects two cables to flat bus bars, H3AF connects three cables and H4AF connects four cables to flat bus bars.**

A tee connector for tapping a flat bus with a cable. The clamp fitting enables the connector to be installed anywhere on the bus without the necessity for drilling holes for clamping bolts. The wide variation of the HERCULON™ fitting enables one connector.



HAF

### Material

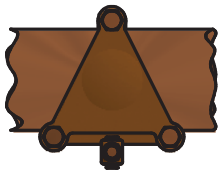
Copper Alloy

### Hardware

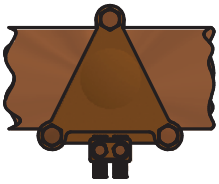
Everdur bolts, nuts and lockwashers

### Note

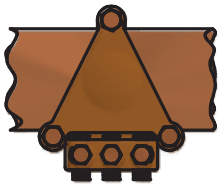
- Above 500 MCM connectors have thicker pads and are mounted outside buses. See catalog number for spacer information. Unless otherwise specified spacer will not be supplied with connectors.
- For 4in wide bus bars and two 350kcmil cables order: H2AF35-4.
- For 4in wide bus bars and three 350kcmil cables order: H3AF35-4.
- For 4in wide bus bars and four 350kcmil cables order: H4AF35-4.



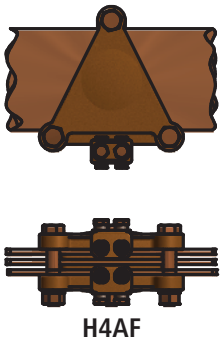
HAF



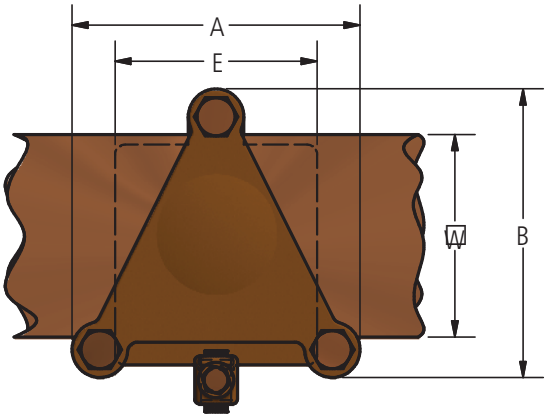
H2AF

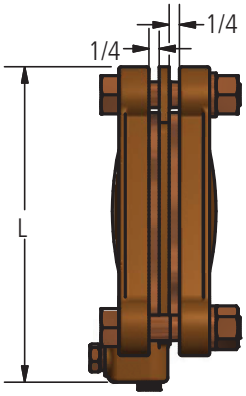


H3AF



H4AF








© 2011, AFL, all rights reserved. PP-3-00366, Revision 0, 3.3.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE HAF, H2AF, H3AF, H4AF

**Tee Connector For Tapping Flat Bar With Cable HAF connects one cable to flat bus bars, H2AF connects two cables to flat bus bars, H3AF connects three cables and H4AF connects four cables to flat bus bars.**

### Ordering Information

| CATALOG NUMBER | CABLE RANGE | | WIDTH OF BARS (W) | DIMENSIONS IN INCHES | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|
| | MIN | MAX | | A | B | E | L | |
| HAF4-2 | 8 Solid | 4 Solid | 2 | 3 5/16 | 3 5/16 | 1 | 4 1/4 | 3/8 |
| HAF8-2 | 4 Solid | 1 Stranded | 2 | 3 5/16 | 3 5/16 | 1 | 4 1/4 | 3/8 |
| HAF13-2 | 1 Stranded | 2/0 Stranded | 2 | 3 5/16 | 3 5/16 | 1 | 4 3/8 | 3/8 |
| HAF13-3 | 1 Stranded | 2/0 Stranded | 3 | 3 5/16 | 4 5/16 | 1 | 5 3/8 | 3/8 |
| HAF21-2 | 2/0 Stranded | 4/0 Stranded | 2 | 3 5/16 | 3 5/16 | 1 | 4 7/16 | 3/8 |
| HAF21-3 | 2/0 Stranded | 4/0 Stranded | 3 | 3 5/16 | 4 5/16 | 1 | 5 7/16 | 3/8 |
| HAF30-2 | 4/0 Stranded | 300 kcmil | 2 | 3 5/16 | 3 5/16 | 2 | 4 5/8 | 3/8 |
| HAF30-3 | 4/0 Stranded | 300 kcmil | 3 | 3 5/16 | 4 5/16 | 2 | 5 5/8 | 3/8 |
| HAF35-2 | 250 kcmil | 350 kcmil | 2 | 3 5/16 | 3 5/16 | 2 | 4 5/8 | 3/8 |
| HAF35-3 | 250 kcmil | 350 kcmil | 3 | 3 5/16 | 4 5/16 | 2 | 5 5/8 | 3/8 |
| HAF35-4 | 250 kcmil | 350 kcmil | 2 | 3 5/16 | 5 5/16 | 2 | 6 5/8 | 3/8 |
| HAF50-2 | 300 kcmil | 500 kcmil | 4 | 3 5/16 | 3 5/16 | 2 | 4 3/4 | 3/8 |
| HAF50-3 | 300 kcmil | 500 kcmil | 3 | 3 5/16 | 4 5/16 | 2 | 5 3/4 | 3/8 |
| HAF50-4 | 300 kcmil | 500 kcmil | 4 | 3 5/16 | 5 5/16 | 2 | 6 3/4 | 3/8 |
| HAF75-2 | 500 kcmil | 750 kcmil | 2 | 3 5/16 | 3 5/16 | 2 | 4 7/8 | 3/8 |
| HAF75-3 | 500 kcmil | 750 kcmil | 3 | 3 5/16 | 4 5/16 | 2 | 5 7/8 | 3/8 |
| HAF75-4 | 500 kcmil | 750 kcmil | 4 | 3 5/16 | 5 5/16 | 2 | 7 1/4 | 3/8 |
| HAF100-2 | 750 kcmil | 1000 kcmil | 2 | 3 5/16 | 3 5/16 | 2 | 5 5/16 | 3/8 |
| HAF100-3 | 750 kcmil | 1000 kcmil | 3 | 4 5/16 | 4 5/16 | 3 | 6 5/16 | 3/8 |
| HAF100-4 | 750 kcmil | 1000 kcmil | 4 | 4 3/4 | 5 3/4 | 3 | 7 11/16 | 1/2 |
| HAF100-5 | 750 kcmil | 1000 kcmil | 5 | 4 3/4 | 6 3/4 | 3 | 8 11/16 | 1/2 |





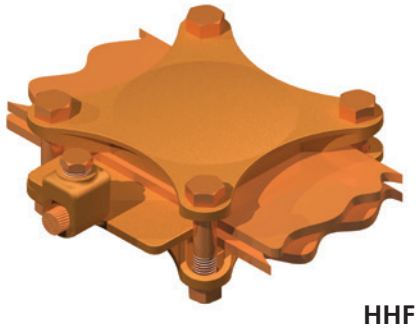
© 2011, AFL, all rights reserved. PP-3-00366, Revision 0, 3.3.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE HHF, H2HF, H3HF, H4HF

### Tee Connector For Tapping Flat Bar With Cable

HHF connects one cable to flat bus bars, H2HF connects two cables to flat bus bars, H3HF connects three cables and H4HF connects four cables to flat bus bars. A tee connector for tapping a flat bus with a cable. The clamp fitting enables the connector to be installed anywhere on the bus without the necessity for drilling holes for clamping bolts. The wide variation of the Herculon fitting enables one connector to accommodate a number of cable sizes. Connectors listed have 1/4 inch thick pads for 1/4 inch buses spaced 1/4 inch apart up to 600 MCM.



HHF

### Material

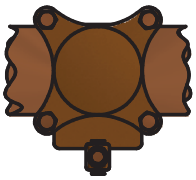
Copper Alloy

### Hardware

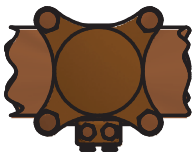
Everdur bolts, nuts and lockwashers

### Notes

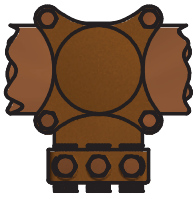
- For 4 in. wide bus bars and two 350 kcmil cables, order: H2HF35-4.
- For 4 in. wide bus bars and three 350 kcmil cables, order: H3HF35-4.
- For 4 in. wide bus bars and four 350 kcmil cables, order: H4HF35-4.



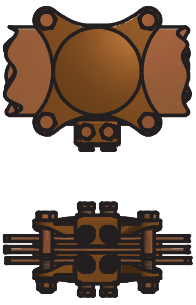
HHF



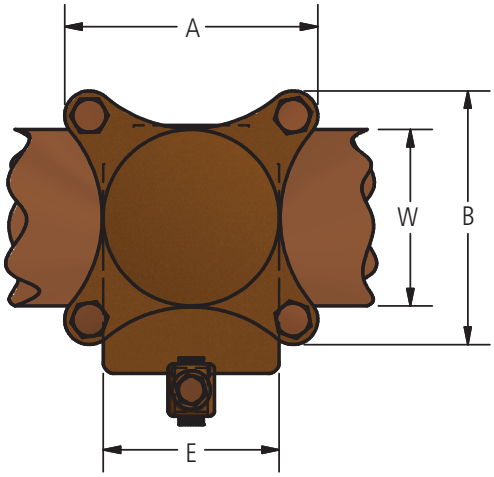
H2HF

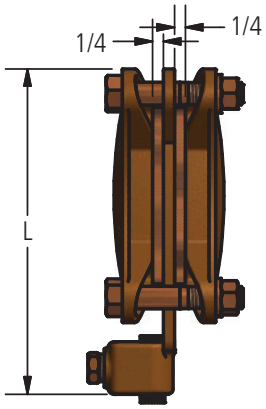


H3HF



H4HF








© 2011, AFL, all rights reserved. PP-3-00368, Revision 3, 5.24.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE HHF, H2HF, H3HF, H4HF

### Tee Connector For Tapping Flat Bar With Cable

HHF connects one cable to flat bus bars, H2HF connects two cables to flat bus bars, H3HF connects three cables and H4HF connects four cables to flat bus bars.

## Ordering Information

| CATALOG NUMBER | CABLE RANGE | | WIDTH OF BARS (W) | CABLE RANGE (DIA.) | | DIMENSIONS IN INCHES | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|
| | MIN | MAX | | FROM | TO | A | B | E | L | |
| HHF4-2 | 8 Soild | 4 Solid | 2 | 0.128 | 0.204 | 3 5/16 | 3 5/16 | 1 | 4 1/4 | 3/8 |
| HHF4-3 | 8 Soild | 4 Solid | 3 | 0.128 | 0.204 | 4 5/16 | 4 5/16 | 3 | 5 3/16 | 3/8 |
| HHF8-2 | 4 Solid | 1 Stranded | 2 | 0.204 | 0.332 | 3 5/16 | 3 5/16 | 1 | 4 1/4 | 3/8 |
| HHF13-2 | 1 Stranded | 2/0 Stranded | 2 | 0.332 | 0.419 | 3 5/16 | 3 5/16 | 1 | 4 3/8 | 3/8 |
| HHF13-3 | 1 Stranded | 2/0 Stranded | 3 | 0.332 | 0.419 | 3 5/16 | 4 5/16 | 1 | 5 3/8 | 3/8 |
| HHF21-2 | 2/0 Stranded | 4/0 Stranded | 2 | 0.419 | 0.528 | 3 5/16 | 3 5/16 | 1 | 4 7/16 | 3/8 |
| HHF21-3 | 2/0 Stranded | 4/0 Stranded | 3 | 0.419 | 0.628 | 3 5/16 | 4 5/16 | 1 | 5 7/16 | 3/8 |
| HHF30-2 | 4/0 Stranded | 300 kcmil | 2 | 0.528 | 0.628 | 3 5/16 | 3 5/16 | 2 | 4 5/8 | 3/8 |
| HHF30-3 | 4/0 Stranded | 300 kcmil | 3 | 0.528 | 0.628 | 3 5/16 | 4 5/16 | 2 | 5 5/8 | 3/8 |
| HHF35-2 | 250 kcmil | 350 kcmil | 2 | 0.575 | 0.681 | 3 5/16 | 3 5/16 | 2 | 4 5/8 | 3/8 |
| HHF35-3 | 250 kcmil | 350 kcmil | 3 | 0.575 | 0.681 | 3 5/16 | 4 5/16 | 2 | 5 5/8 | 3/8 |
| HHF35-4 | 250 kcmil | 350 kcmil | 4 | 0.575 | 0.681 | 3 5/16 | 5 5/16 | 2 | 6 5/8 | 1/2 |
| HHF50-2 | 300 kcmil | 500 kcmil | 2 | 0.63 | 0.814 | 3 5/16 | 3 5/16 | 2 | 4 3/4 | 3/8 |
| HHF50-3 | 300 kcmil | 500 kcmil | 3 | 0.63 | 0.814 | 3 5/16 | 4 5/16 | 2 | 5 3/4 | 3/8 |
| HHF50-4 | 300 kcmil | 500 kcmil | 4 | 0.63 | 0.814 | 3 5/16 | 5 5/16 | 2 | 6 3/4 | 1/2 |
| HHF50-5 | 300 kcmil | 500 kcmil | 5 | 0.63 | 0.814 | 3 3/4 | 6 3/4 | 2 | 8 1/8 | 1/2 |
| HHF75-2 | 500 kcmil | 750 kcmil | 2 | 0.814 | 0.998 | 3 5/16 | 3 5/16 | 2 | 4 7/8 | 3/8 |
| HHF75-3 | 500 kcmil | 750 kcmil | 3 | 0.814 | 0.998 | 3 5/16 | 4 5/16 | 2 | 5 7/8 | 3/8 |
| HHF75-4 | 500 kcmil | 750 kcmil | 4 | 0.814 | 0.998 | 3 5/16 | 5 5/16 | 2 | 7 1/4 | 1/2 |
| HHF100-2 | 750 kcmil | 1000 kcmil | 2 | 0.998 | 1.152 | 3 5/16 | 3 5/16 | 2 | 5 5/16 | 3/8 |
| HHF100-3 | 750 kcmil | 1000 kcmil | 3 | 0.998 | 1.152 | 4 5/16 | 4 5/16 | 3 | 6 5/16 | 3/8 |
| HHF100-4 | 750 kcmil | 1000 kcmil | 4 | 0.998 | 1.152 | 4 3/4 | 5 3/4 | 3 | 7 11/16 | 1/2 |
| HHF100-5 | 750 kcmil | 1000 kcmil | 5 | 0.998 | 1.152 | 4 3/4 | 6 3/4 | 3 | 8 11/16 | 1/2 |



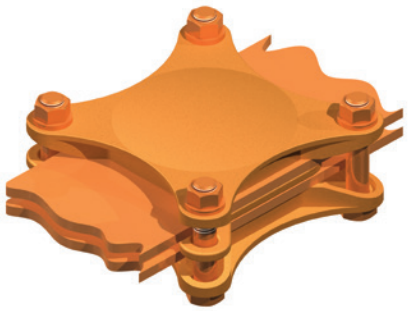


© 2011, AFL, all rights reserved. PP-3-00368, Revision 3, 5.24.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE HSS

### Low Mount Horizontal Bus Support



A low mount horizontal bus support for mounting flat bar to the cap or base of an insulator. For cap mounting cap screws are furnished and for base mounting bolts and nuts are furnished. Unless otherwise specified, clamps are supplied for cap mounting.

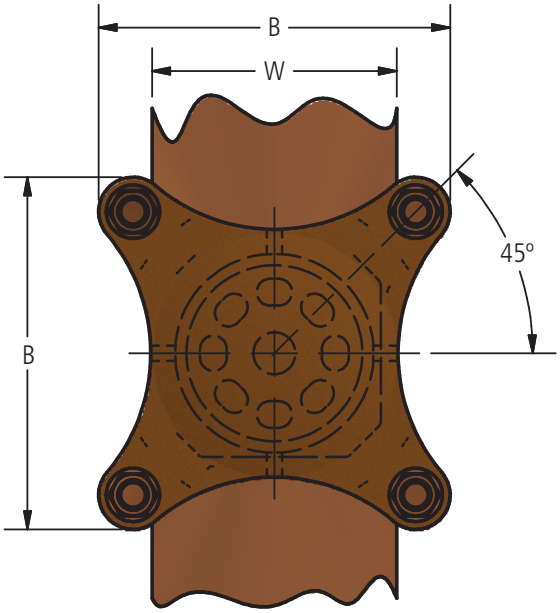
**Material**

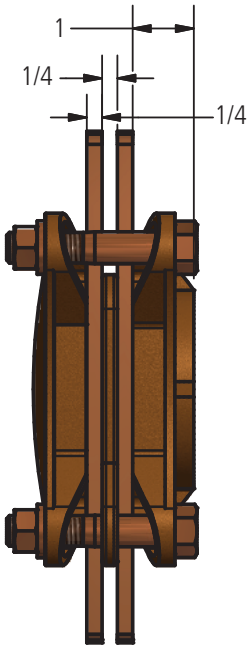
Copper Alloy

Everdur bolts, nuts and lockwashers

Mounting hardware galvanized steel

**Hardware**




## Ordering Information

| CATALOG NUMBER | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|
| | WIDTH IN BARS (W) | BOLT CIRCLE | B | |
| HSS2-3 | 2 | 3 | 3-5/16 | 3/8 |
| HSS2-5 | 2 | 5 | 3-5/16 | 3/8 |
| HSS3-3 | 3 | 3 | 4-5/16 | 3/8 |
| HSS3-5 | 3 | 5 | 4-5/16 | 3/8 |
| HSS4-3 | 4 | 3 | 5-3/4 | 1/2 |
| HSS4-5 | 4 | 5 | 5-3/4 | 1/2 |
| HSS5-3 | 5 | 3 | 7-1/8 | 5/8 |
| HSS5-5 | 5 | 5 | 7-1/8 | 5/8 |
| HSS6-3 | 6 | 3 | 8-1/8 | 5/8 |
| HSS6-5 | 6 | 5 | 8-1/8 | 5/8 |

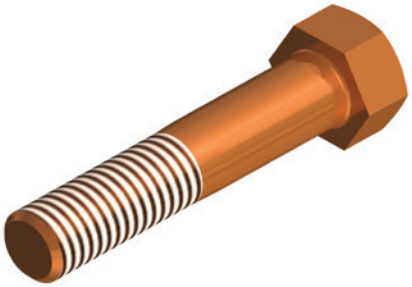




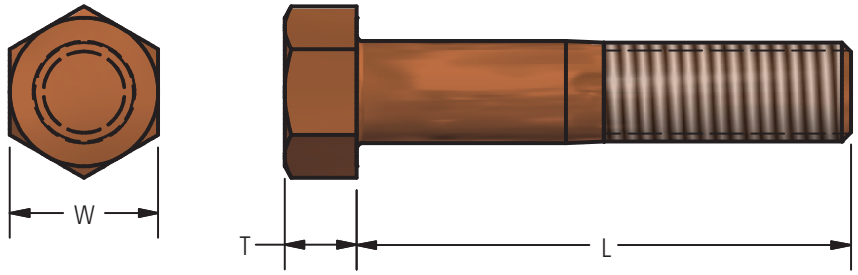
© 2011, AFL, all rights reserved. PP-3-00378, Revision 0, 3.3.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE EB
### Everdur Bolts



Dossert Everdur Machine bolts are cold headed and roll threaded They exhibit tensile strengths equal to or greater than mild steels. Their high resistance to corrosion and non-magnetic properties make them extremely useful in electrical work.




## Ordering Information

| BOLT DIAMETER AND THREADS PER INCH | | | | | | |
|---|---|---|---|---|---|---|
| L IN INCHES | 1/4 - 20 | 5/16 - 18 | 3/8 - 16 | 1/2 - 13 | 5/8 - 11 | 3/4 - 10 |
| 1/2 | EB2550 | EB3150 | EB3750 | EB5050 | – | – |
| 5/8 | EB2562 | EB3162 | EB3762 | EB5062 | – | – |
| 3/4 | EB2575 | EB3175 | EB3775 | EB5075 | – | – |
| 7/8 | EB2587 | EB3187 | EB3787 | EB5087 | – | – |
| 1 | EB25100 | EB31100 | EB37100 | EB50100 | EB62100 | – |
| 1 1/4 | EB25125 | EB31125 | EB37125 | EB50125 | EB62125 | EB75125 |
| 1 1/2 | EB25150 | EB31150 | EB37150 | EB50150 | EB62150 | EB75150 |
| 1 3/4 | EB25175 | EB31175 | EB37175 | EB50175 | EB62175 | EB75175 |
| 2 | EB25200 | EB31200 | EB37200 | EB50200 | EB62200 | EB75200 |
| 2 1/4 | EB25225 | EB31225 | EB37225 | EB50225 | EB62225 | EB75225 |
| 2 1/2 | EB25250 | EB31250 | EB37250 | EB50250 | EB62250 | EB75250 |
| 2 3/4 | EB25275 | EB31275 | EB37275 | EB50275 | EB62275 | EB75275 |
| 3 | EB25300 | EB31300 | EB37300 | EB50300 | EB62300 | EB75300 |
| 3 1/4 | EB25325 | EB31325 | EB37325 | EB50325 | EB62325 | EB75325 |
| 3 1/2 | EB25350 | EB31350 | EB37350 | EB50350 | EB62350 | EB75350 |
| 4 | EB25400 | EB31400 | EB37400 | EB50400 | EB62400 | EB75400 |
| 4 1/2 | – | EB31450 | EB37450 | EB50450 | EB62450 | EB75450 |
| 5 | – | – | EB37500 | EB50500 | EB62500 | EB75500 |
| 5 1/2 | – | – | EB37550 | EB50550 | EB62550 | EB75550 |
| 6 | – | – | EB37600 | EB50600 | EB62600 | EB75600 |
| W | 3/8 | 1/2 | 9/16 | 3/4 | 15/16 | 1 1/8 |
| T | 5/32 | 3/16 | 15/64 | 19/64 | 25/64 | 15/32 |





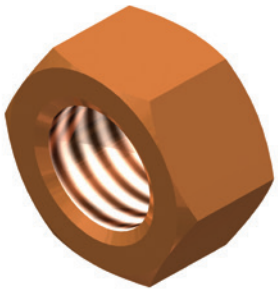
© 2011, AFL, all rights reserved. PP-3-00325, Revision 0, 3.3.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE EN, EW, ELW, EILW

### Everdur Nuts, Spring Washer, and Flat Washer

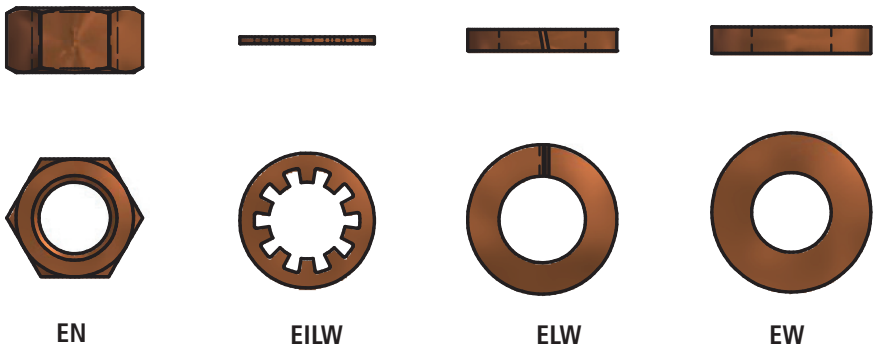
Dossert Everdur nuts, EN, are made to the American Standard National course thread Class 2 Semifinished, cold punched. Dossert Everdur spring type lockwasher, ELW, is a tough and durable unit which prevents the loosening of the nut under severe conditions of vibration. Dossert Everdur flat washers, EW, are stamped from cold drawn Everdur sheet and are tumbled to a smooth finish with rounded edges. Dossert Everdur internal lock washer EILW.



EN

### Material

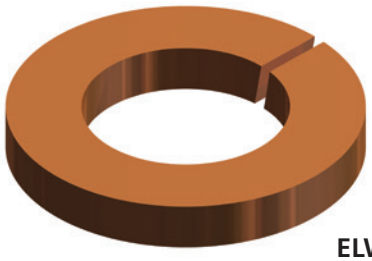
Everdur



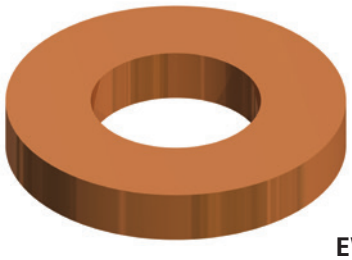
EN EILW ELW EW



EILW



ELW



EW

## Ordering Information

| TYPE EN | | | | |
|---|---|---|---|---|
| CATALOG NUMBER | DIAMETER OF THREADS | THREADS PER INCH | WIDTH ACROSS FLATS | THICKNESS |
| EN25 | 1/2 | 20 | 7/6 | 13/64 |
| EN31 | 5/16 | 18 | 9/16 | 1/4 |
| EN37 | 3/8 | 16 | 5/8 | 5/16 |
| EN50 | 1/2 | 13 | 13/16 | 27/64 |
| EN62 | 5/8 | 11 | 1 | 17/32 |
| EILW75 | 3/ 4 | .102 | 1 7/8 | |

| TYPE EILW | | | |
|---|---|---|---|
| CATALOG NUMBER | BOLT SIZE | THICKNESS | MAJOR DIAMETER |
| EILW25 | 1/4 | .040 | 11/16 |
| EILW31 | 5/16 | .064 | 7/8 |
| EILW37 | 3/8 | .064 | 1 |
| EILW50 | 1/2 | .091 | 1 1/4 |
| EILW62 | 5/8 | .091 | 1 1/2 |
| EILW75 | 3/ 4 | .102 | 1 7/8 |

| TYPE ELW | |
|---|---|
| CATALOG NUMBER | BOLT SIZE |
| ELW25 | 1/4 |
| ELW31 | 5/16 |
| ELW37 | 3/8 |
| ELW50 | 1/2 |
| ELW62 | 5/8 |
| ELW75 | 3/ 4 |

| TYPE EW | | |
|---|---|---|
| CATALOG NUMBER | BOLT SIZE | THICKNESS |
| EW25 | 1/4 | 1/16 |
| EW31 | 5/16 | 1/16 |
| EW37 | 3/8 | 3/32 |
| EW50 | 1/2 | 1/8 |
| EW62 | 5/8 | 5/32 |
| EW75 | 3/ 4 | 3/16 |





© 2011, AFL, all rights reserved. PP-3-00326, Revision 0, 3.3.11
Specifications are subject to change without notice.

# DOSSERT®
## TYPE G110, G111, G114, G115

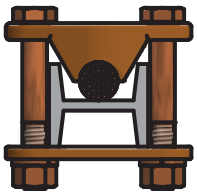
All Dossert ground clamps are made of a high copper alloy and are equipped with silicon bronze bolts. These connectors are characterized by their high resistance to corrosion which makes them suitable for burial underground without danger of joint deterioration

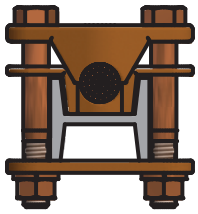
Two types of two conductor ground clamps for grounding to square fence post, type G114 or for gounding to H beam column or fence post, type G115.

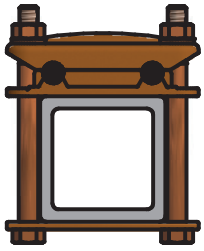
Two single conductor ground clamps for connecting a ground wire to the web of an H beam type fence post. Type G111 provides a clamping saddle between wire and post, while type G110 clamps wire directly to post.

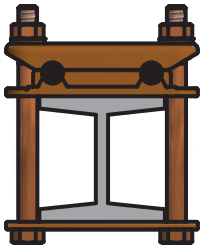
**Material**
Copper Alloy

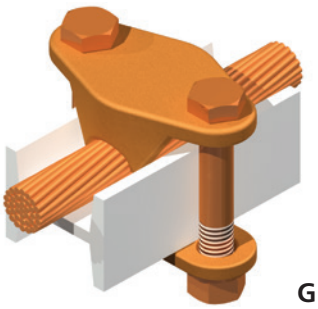
**Hardware**
Everdur bolts, nuts and lockwashers

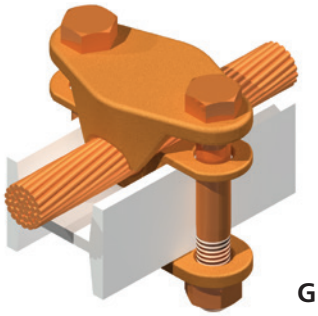

G110

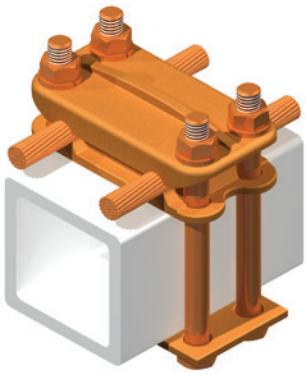

G111

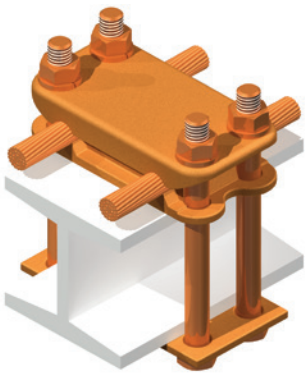

G114-2


G115-2


G110


G111


G114


G115

## Ordering Information

| CATALOG NUMBER | H-BEAM | CABLE RANGE | |
|---|---|---|---|
| | | MIN | MAX |
| G110 | 1 1/4 X 1 1/2 | 2/0 SOL | 250 MCM |
| G111 | 1 1/4 X 1 1/2 | 2/0 SOL | 250 MCM |

| CATALOG NUMBER | SQUARE POST SIZE | CABLE RANGE | | NUMBER OF CABLES |
|---|---|---|---|---|
| | | MIN | MAX | |
| G114 | 3 1/2" | 1/0 | 250MCM | 3 |
| G114-13-2 | 2" | 4 SOL. | 2/0 STR. | 1 |
| G114-2-S1 | 1 1/2" | 2/0 SOL. | 250 MCM | 2 |
| G114-13-2-50 | 2" | 200 MCM | 500 MCM | 1 |

| CATALOG NUMBER | BEAM SIZE | CABLE RANGE | | NUMBER OF CABLES |
|---|---|---|---|---|
| | | MIN | MAX | |
| G115 | 2 15/16 x 3 | 2/0 SOL. | 250 MCM | 3 |
| G115-1 | 2 1/8 x 2 1/2 | 4 SOL. | 2/0 STR. | 1 |
| G115-2 | 1 15/16 x 2 1/4 | 2/0 SOL. | 250 MCM | 2 |





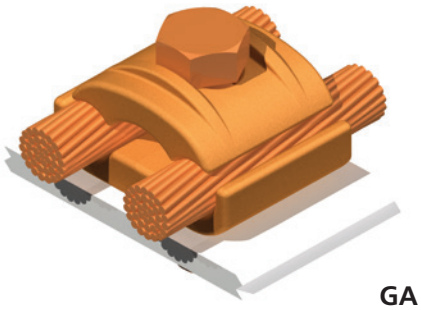
© 2011, AFL, all rights reserved. PP-3-00333, Revision 1, 9.8.15
Specifications are subject to change without notice.

# DOSSERT®

## TYPE GA, GAA

### Two Conductor Flat Bar Ground Clamp

A single or double bolt ground clamp for clamping two wires or cables to a flat bar,plate, or structural memeber. Permits a slight range of variablility in accomadating different size conductors. Bolts are retained by body to enable assembling with only one wrench. Bolts are supplied to clamp a 1/4 inch bar. GAA is similar to GA except that it is designed for heavier service.



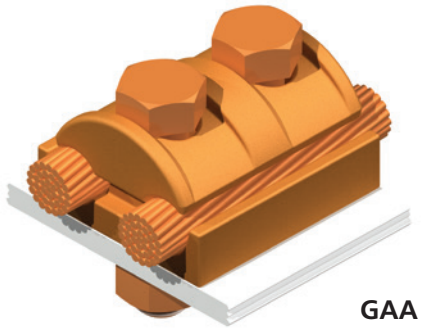
GA

### Material

Copper Alloy

### Hardware

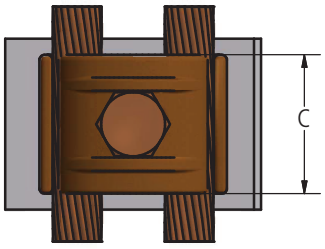
Everdur bolts, nuts and lockwashers



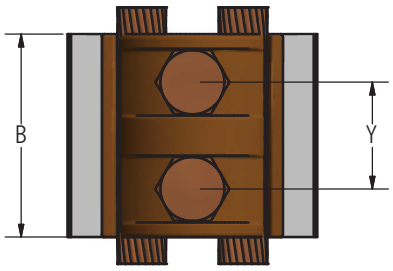
GAA

### Notes

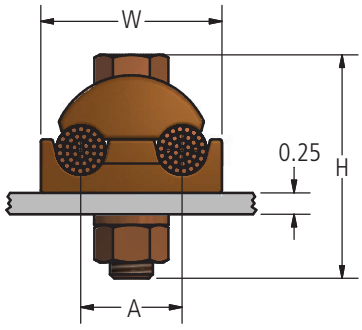
- Bolt length supplied to clamp a 1/4 inch bar with maximum conductor in place.
- For thicker bars, longer bolts will be furnished upon request.
- For tin plating, add suffix "-SN" to catalog number EX: GA13-SN
- For galvanized steel hardware, add suffix "-GS" to catalog number EX: GA13-GS
- For stainless steel hardware, add suffix "-SS" to catalog number EX: GA13-SS




GA




GAA




## Ordering Information

| CATALOG NUMBER | | CABLE RANGE | | DIMENSIONS IN INCHES | | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|
| GA | GAA | MIN | MAX | A | B | C | H | W | Y | |
| GA4 | GAA4 | 8 SOL | 4 STR | 0.75 | 2.00 | 1.38 | 1.38 | 1.25 | 0.94 | 3/8 |
| GA13 | GAA13 | 4 SOL | 2/0 STR | 1.00 | 2.00 | 1.53 | 1.70 | 1.72 | 1.00 | 3/8 |
| GA25 | GAA25 | 2/0 SOL | 250 MCM | 1.31 | 2.50 | 1.63 | 2.25 | 2.25 | 1.25 | 1/2 |
| GA25-S | GAA25-S | 2/0 SOL | 250 MCM | 1.25 | 2.94 | 1.75 | 2.25 | 2.25 | 1.75 | 1/2 |
| GA50 | GAA50 | 300 MCM | 500 MCM | 1.50 | 2.50 | 2.00 | 2.86 | 2.63 | 1.38 | 1/2 |
| GA50-N | GAA50-N | 300 MCM | 500 MCM | 1.50 | 2.50 | 2.00 | 2.86 | 2.63 | 1.38 | 1/2 |
| GA75 | GAA75 | 550 MCM | 750 MCM | 1.75 | 3.00 | 2.38 | 3.00 | 3.25 | 1.56 | 5/8 |
| GA80-1/2 | GAA80-1/2 | 500 MCM | 800 MCM | 1.88 | 3.00 | 2.38 | 3.00 | 3.31 | 1.56 | 1/2 |
| GA100 | GAA100 | 800 MCM | 1000 MCM | 2.00 | 3.00 | 2.50 | 3.25 | 3.63 | 1.56 | 5/8 |



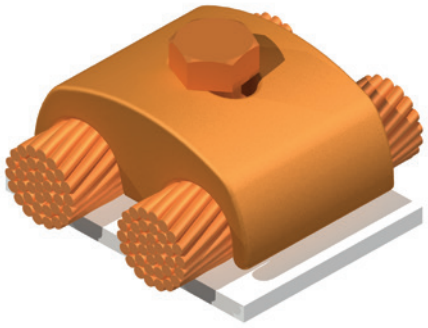


© 2011, AFL, all rights reserved. PP-3-00334, Revision 2, 11.9.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE GAM

### Copper Grounding Connector For Two Cables To A Flat Surface



A single bolt, one piece ground clamp for clamping two wires or cables to a flat bar, plate, or structural member. Permits a slight range of variability in accommodating different size conductors. Bolts are retained by body to enable assembling with only one wrench. Bolts are supplied to clamp a 1/4 Inch bar.

### Material

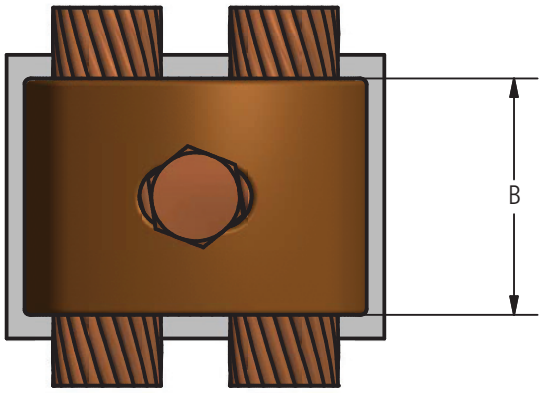
Copper Alloy

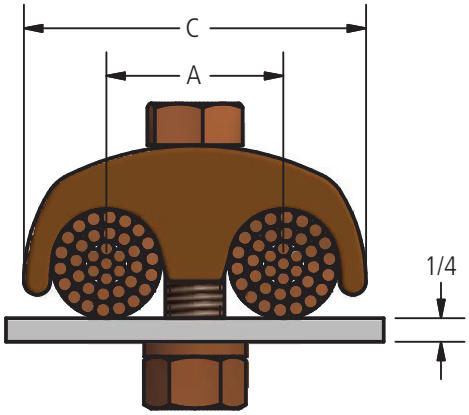
### Hardware

Everdur bolts, nuts and lockwashers

### Note

- Bolt length supplied to clamp a 1/4 inch bar with maximum conductor in place. For thicker bars, longer bolts will be furnished upon request.
- For tin plating add suffix "-SN" to end of catalog number. Example: GAM13-SN
- For a galvanized steel bolt add suffix "-GS" to end of catalog number. Example: GAM13-GS




## Ordering Information

| CATALOG NUMBER | GROUNDING | | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|---|---|
| | MIN | MAX | A | B | C | |
| GAM4 | 8 Solid | 4 Stranded | 3/4 | 1 1/4 | 1 1/8 | 3/8 |
| GAM13 | 4 Solid | 2/0 Stranded | 1 | 1 1/2 | 1 1/2 | 3/8 |
| GAM25 | 2/0 Solid | 250 MCM | 1 1/4 | 1 3/4 | 2 1/8 | 1/2 |
| GAM50 | 300 MCM | 500 MCM | 1 1/2 | 2 | 2 5/8 | 1/2 |
| GAM75 | 550 MCM | 750 MCM | 1 3/4 | 2 1/4 | 3 1/8 | 5/8 |
| GAM100 | 800 MCM | 1000 MCM | 1 7/8 | 2 1/2 | 3 1/2 | 5/8 |





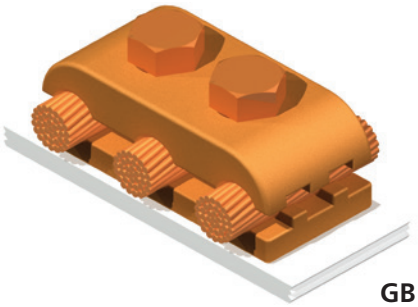
© 2011, AFL, all rights reserved. PP-3-00336, Revision 0, 3.8.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE GB, GBB

### Copper Grounding Connector for Three Cables to a Flat Surface.

GB style is a two bolt design and GBB is a four bolt design. These clamps are used for clamping three cables of equal size to a flat bar, plate, or structural member. Bolts are retained by body to enable assembling with only one wrench. Bolts are supplied to clamp a 1/4 inch bar.



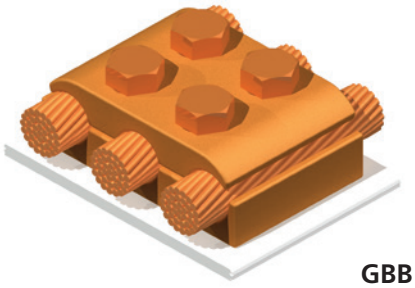
GB

### Material

Copper Alloy

### Hardware

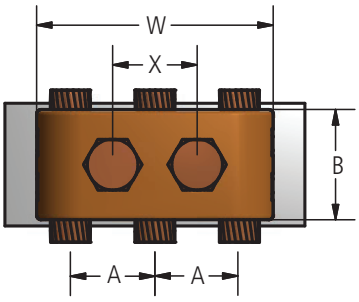
Everdur bolts, nuts and lockwashers



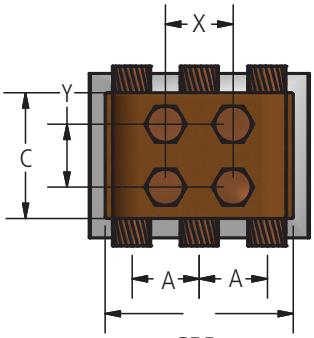
GBB

### Note

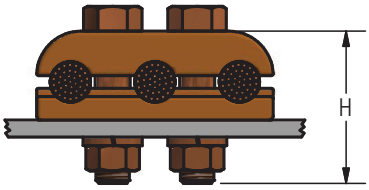
- Bolt length supplied to clamp a 1/4 inch bar with maximum conductor in place.
- For thickerbars, longer bolts will be furnished upon request.For tin plating add suffix (SN) to catalog number. Example: For a 4 solid conductor, 2 bolt clamp, and tin plating, order: GB13-SN
- For a galvanized steel bolt add suffix (GS) to catalog number. Example: For a 4 solid conductor, 4 bolt clam, and galvanized steel bolts, order: GBB13-GS




GB




GBB




## Ordering Information

| CATALOG NUMBER | | CABLE RANGE | | DIMENSIONS IN INCHES | | | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GB | GBB | MIN | MAX | A | B | C | H | W | X | Y | |
| GB4 | GBB4 | 8 Solid | 4 Stranded | 7/8 | 1 1/2 | 2 | 1 5/8 | 2 1/8 | 7/8 | 7/8 | 3/8 |
| GB13 | GBB13 | 4 Solid | 2/0 Str | 1 | 1 3/4 | 2 1/8 | 1 3/4 | 1 3/4 | 1 | 1 | 3/8 |
| GB25 | GBB25 | 2/0 Solid | 250 MCM | 1 1/4 | 1 5/8 | 2 5/8 | 2 1/2 | 3 1/2 | 1 1/4 | 1 1/4 | 1/2 |
| GB50 | GBB50 | 300 MCM | 500 MCM | 1 1/2 | 2 1/4 | 2 5/8 | 2 1/2 | 4 1/4 | 1 1/2 | 1 1/4 | 1/2 |
| GB75 | GBB75 | 550 MCM | 750 MCM | 1 13/16 | 2 1/2 | 3 1/4 | 2 3/4 | 5 | 1 13/16 | 1 1/2 | 5/8 |
| GB100 | GBB100 | 800 MCM | 1000 MCM | 2 | 2 3/4 | 3 1/4 | 3 | 5 1/2 | 2 | 1 1/2 | 5/8 |



© 2011, AFL, all rights reserved. PP-3-00337, Revision 1, 1.25.2022
Specifications are subject to change without notice.

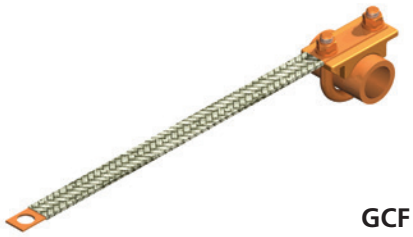
# DOSSERT®

## TYPE GCF, GCG

### Ground Connector For Rotating Pipe To A Flat Surface

A flexible ground connector for grounding a rotating pipe or rod to a flat surface. Finds wide application in grounding switch operating pipes and fence gates.

TYPE GCG modification is for grounding one pipe or rod to another.



GCF



GCG

### Material

- Copper Alloy
- Braid is tin plated copper wire, terminated at each end by a non-plated pad.

### Hardware

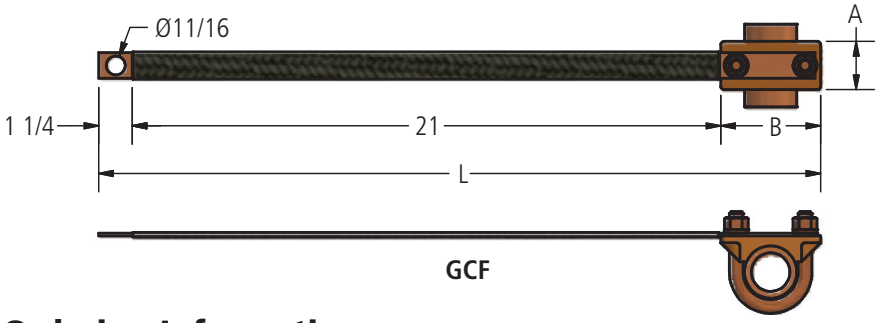
Everdur bolts, nuts and lockwashers

### Note

Braid may be custom made for any configuration of length, pad size or hole diameter.



GCG




GCF

## Ordering Information

| CATALOG NUMBER | GROUNDING SPS | AMP CAPACITY OF BRAID | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|---|---|
| | | | A | B | L | |
| GCF75-771 | 3/4 | 180 | 1 | 2 11/16 | 24 15/16 | 3/8 |
| GCF75-2301 | 3/4 | 350 | 1 1/2 | 2 11/16 | 24 15/16 | 3/8 |
| GCF75-3021 | 3/4 | 410 | 1 1/2 | 2 11/16 | 24 15/16 | 3/8 |
| GCF100-771 | 1 | 180 | 1 | 2 15/16 | 25 3/16 | 3/8 |
| GCF100-2301 | 1 | 350 | 1 1/2 | 2 15/16 | 25 3/16 | 3/8 |
| GCF100-3021 | 1 | 410 | 1 1/2 | 2 15/16 | 25 3/16 | 3/8 |
| GCF125-771 | 1 1/4 | 180 | 1 | 3 1/4 | 25 1/2 | 3/8 |
| GCF125-2301 | 1 1/4 | 350 | 1 1/2 | 3 1/4 | 25 1/2 | 3/8 |
| GCF125-3021 | 1 1/4 | 410 | 1 1/2 | 3 1/4 | 25 1/2 | 3/8 |
| GCF150-771 | 1 1/2 | 180 | 1 | 3 1/2 | 25 3/4 | 3/8 |
| GCF150-2301 | 1 1/2 | 350 | 1 1/2 | 3 1/2 | 25 3/4 | 3/8 |
| GCF150-3021 | 1 1/2 | 410 | 1 1/2 | 3 1/2 | 25 3/4 | 3/8 |
| GCF200-771 | 2 | 180 | 1 | 4 | 26 1/4 | 3/8 |
| GCF200-2301 | 2 | 350 | 1 1/2 | 4 | 26 1/4 | 3/8 |
| GCF200-3021 | 2 | 410 | 1 1/2 | 4 | 26 1/4 | 3/8 |
| GCF250-771 | 2 1/2 | 180 | 1 | 4 1/2 | 26 3/4 | 3/8 |
| GCF250-2301 | 2 1/2 | 350 | 1 1/2 | 4 1/2 | 26 3/4 | 3/8 |
| GCF250-3021 | 2 1/2 | 410 | 1 1/2 | 4 1/2 | 26 3/4 | 3/8 |



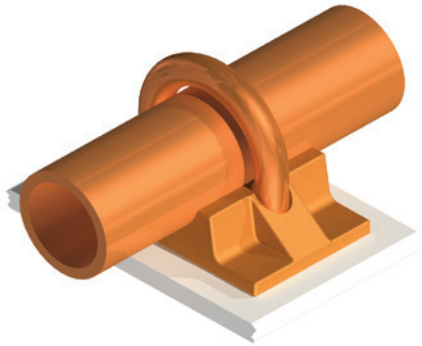


© 2011, AFL, all rights reserved. PP-3-00338, Revision 2, 8.2.13
Specifications are subject to change without notice.

# DOSSERT®

## TYPE GD

### Grounding Connector For Flat Bar to Pipe Or Rod



A ground connector for securing a flat bar to a grounding rod or pipe. The flat bar may be assembled in a horizontal or vertical position. Connector can accommodate any thickness of bar.

### Material

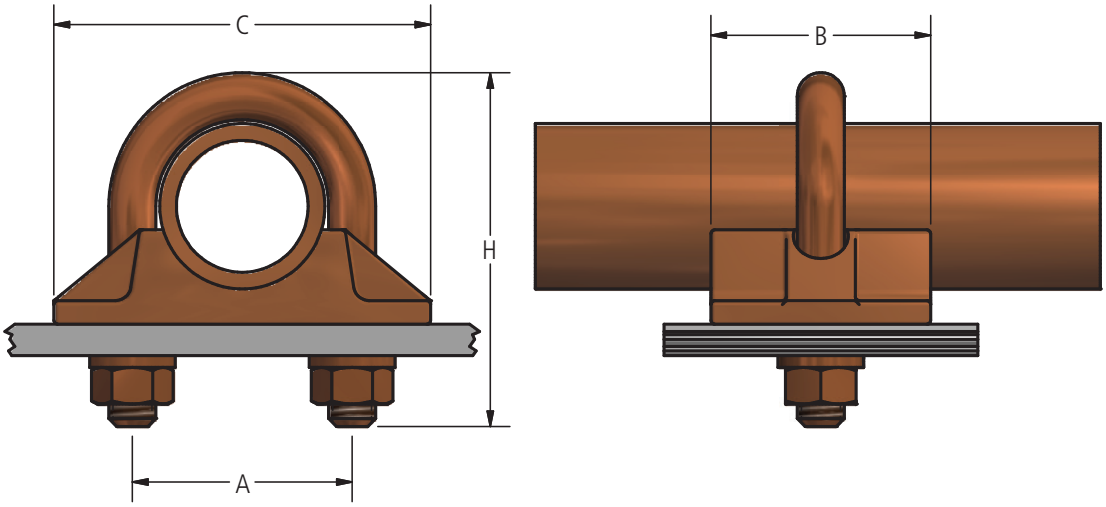
Copper Alloy

### Hardware

Everdur U-bolts, nuts and lockwashers

### Note

Where bars to be used will exceed 1/4 inch please contact the Factory due to the necessity of larger U-Bolts.




## Ordering Information

| CATALOG NUMBER | GROUNDING | | DIMENSIONS IN INCHES | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|
| | PIPE SPS | ROD | A | B | C | H | |
| GD25 | 1/4 | 1/2 | 1 | 1 1/4 | 1 7/8 | 1 3/4 | 3/8 |
| GD38 | 3/8 | 5/8 or 3/4 | 1 1/8 | 1 1/4 | 2 | 1 7/8 | 3/8 |
| GD75 | 1/2 or 3/4 | 7/8 or 1 | 1 1/2 | 1 1/2 | 2 1/2 | 2 5/16 | 3/8 |
| GD100 | 1 | - | 1 3/4 | 1 3/4 | 2 3/4 | 2 9/16 | 3/8 |
| GD125 | 1 1/4 | - | 2 1/8 | 1 3/4 | 3 1/8 | 3 | 3/8 |
| GD150 | 1 1/2 | - | 2 3/8 | 2 | 3 3/8 | 3 1/4 | 3/8 |
| GD200 | 2 | - | 2 13/16 | 2 | 3 7/8 | 3 3/4 | 3/8 |
| GD250 | 2 1/2 | - | 3 5/16 | 2 1/2 | 4 3/8 | 4 1/4 | 3/8 |
| GD300 | 3 | - | 4 1/8 | 2 1/2 | 5 3/16 | 5 1/8 | 1/2 |
| GD350 | 3 1/2 | - | 4 5/8 | 2 3/4 | 5 3/4 | 5 9/16 | 1/2 |
| GD400 | 4 | - | 5 1/8 | 2 3/4 | 6 1/4 | 6 3/16 | 1/2 |





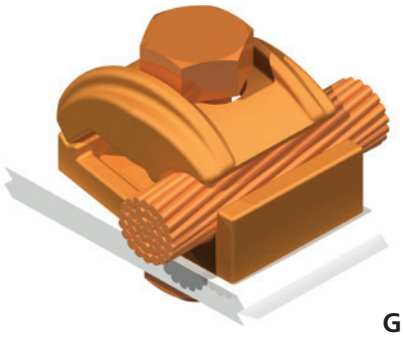
© 2011, AFL, all rights reserved. PP-3-00340, Revision 0, 3.3.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE GF, GFM

### Copper Grounding Connector for Cable to a Flat Surface

A ground clamp for grounding a cable or wire to a flat bar, plate or flat structural steel member. The bolt is retained by the body to enable assembly with only one wrench. GFM comes without the base.



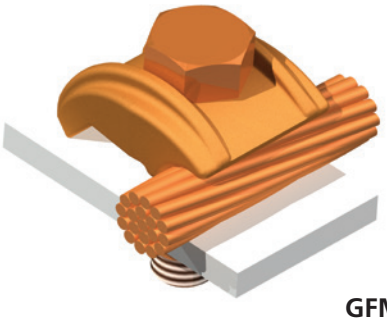
GF

### Material

Copper Alloy

### Hardware

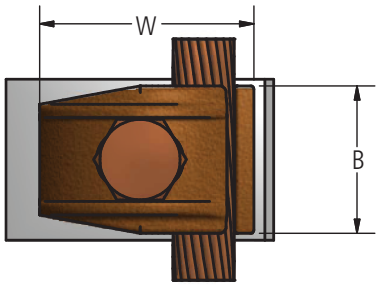
Everdur bolts, nuts and lockwashers

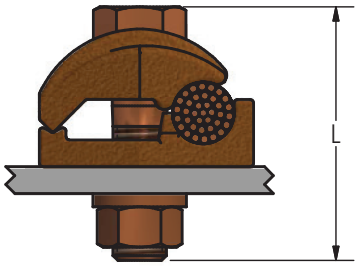


GFM

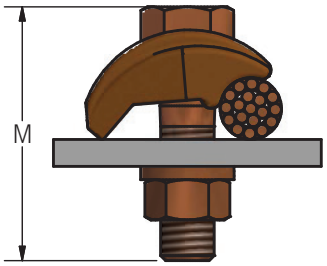
### Notes

- Bolt length supplied to clamp a 1/4" bar with maximum conductor in place. For thicker bars, longer bolts will be furnished upon request.
- For tin plating add suffix "-SN" to end of catalog number. Example: GF13-SN
- For a 300 mcm conductor and one piece assembly, order GFM50.
- For Galvanized Steel Hardware, add "-GS" to catalog number. EX: GF13-GS
- For Stainless Steel Hardware, add "-SS" to catalog number. EX: GF13-SS




GF




GFM

## Ordering Information

| CATALOG NUMBER | | CABLE RANGE | | DIMENSIONS IN INCHES | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|
| GF | GFM | MIN | MAX | B | L | M | W | |
| GF4 | GFM4 | 8 Solid | 4 Stranded | 1 | 1 15/16 | 1 7/16 | 1 7/16 | 3/8 |
| GF13 | GFM13 | 4 Solid | 2/0 Stranded | 1 1/8 | 1 15/16 | 1 11/16 | 1 9/16 | 3/8 |
| GF25 | GFM25 | 2/0 Solid | 250 MCM | 1 3/8 | 2 1/4 | 2 | 2 | 1/2 |
| GF30 | GFM30 | 4 Solid | 300 MCM | 1 3/8 | 2 5/8 | 2 1/8 | 2 | 1/2 |
| GF50 | GFM50 | 300 MCM | 500 MCM | 1 1/2 | 2 7/8 | 2 1/4 | 2 7/16 | 1/2 |
| GF75 | GFM75 | 550 MCM | 750 MCM | 1 5/8 | 3 1/4 | 2 3/4 | 2 7/8 | 5/8 |
| GF100 | GFM100 | 800 MCM | 1000 MCM | 1 3/4 | 3 1/2 | 3 1/4 | 3 3/16 | 5/8 |



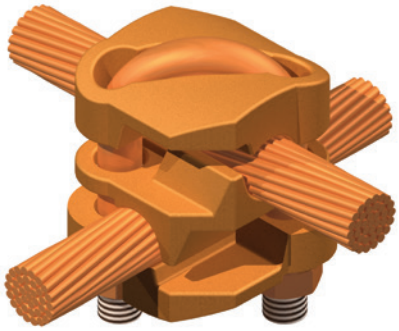


© 2011, AFL, all rights reserved. PP-3-00343, Revision 3, 11.9.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE GG

### Copper Grouund Connector For Crossing Two Cables Or Ground Rod



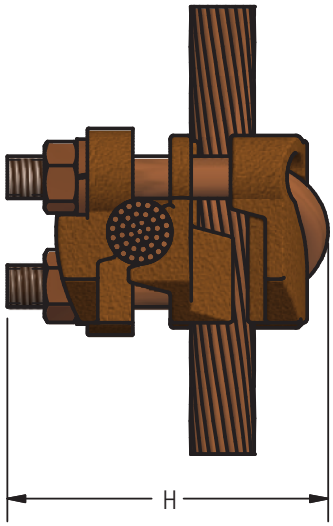
A ground connector for crossing two wires or cables or for securing a cable or wire to a ground rod. Can also be used for equalizing over head cables and wire. Its high resistance to corrosion enables this connector to be buried in the ground after a connection is made.

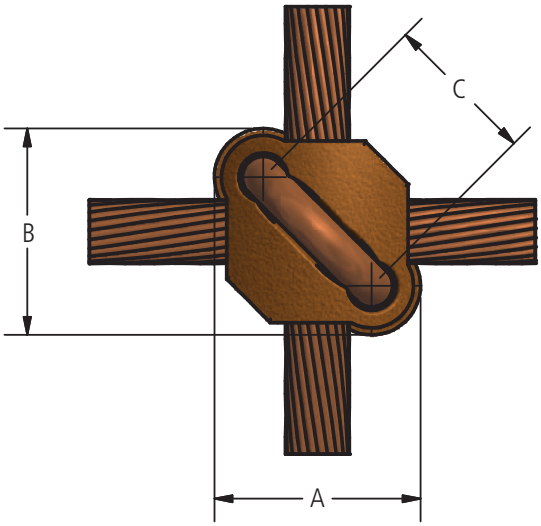
### Material

Copper Alloy

### Hardware

Everdur U-bolts, nuts and lockwashers




## Ordering Information

| CATALOG NUMBER | GROUND ROD | CABLE RANGE | | | | DIMENSIONS IN INCHES | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|
| | | RUN | | TAP | | | | | | |
| | | MIN | MAX | MIN | MAX | A | B | C | H | |
| GG4-4 | - | 8 Solid | 4 Stranded | 8 Solid | 4 Stranded | 1 17/32 | 1 17/32 | 15/16 | 1 3/4 | 3/8 |
| GG13-4 | 3/8 | 4 Solid | 2/0 Stranded | 8 Solid | 4 Stranded | 1 23/32 | 1 17/32 | 1 1/16 | 2 1/8 | 3/8 |
| GG13-13 | 3/8 | 4 Solid | 2/0 Stranded | 4 Solid | 2/0 Stranded | 1 23/32 | 1 23/32 | 1 1/8 | 2 5/16 | 3/8 |
| GG25-4 | 1/2 | 2/0 Solid | 250 MCM | 8 Solid | 4 Stranded | 1 27/32 | 1 17/32 | 1 3/16 | 2 1/4 | 3/8 |
| GG25-13 | 1/2 | 2/0 Solid | 250 MCM | 4 Solid | 2/0 Stranded | 1 27/32 | 1 23/23 | 1 9/32 | 2 1/2 | 3/8 |
| GG25-25 | 1/2 | 2/0 Solid | 250 MCM | 2/0 Solid | 250 MCM | 1 27/32 | 1 27/32 | 1 3/8 | 2 5/8 | 3/8 |
| GG50-4 | 3/4 | 300 MCM | 500 MCM | 8 Solid | 4 Stranded | 2 3/32 | 1 17/32 | 1 3/8 | 2 1/2 | 3/8 |
| GG50-13 | 3/4 | 300 MCM | 500 MCM | 4 Solid | 2/0 Stranded | 2 3/32 | 1 23/32 | 1 15/32 | 2 3/4 | 3/8 |
| GG50-25 | 3/4 | 300 MCM | 500 MCM | 2/0 Solid | 250 MCM | 2 3/32 | 1 27/32 | 1 9/16 | 2 7/8 | 3/8 |
| GG50-50 | 3/4 | 300 MCM | 500 MCM | 300 MCM | 500 MCM | 2 3/32 | 2 3/32 | 1 23/32 | 3 3/8 | 1/2 |
| GG75-4 | 1 | 500 MCM | 750 MCM | 8 Solid | 4 Stranded | 2 9/32 | 1 17/32 | 1 9/16 | 2 3/4 | 3/8 |
| GG75-13 | 1 | 500 MCM | 750 MCM | 4 Solid | 2/0 Stranded | 2 9/32 | 1 23/32 | 1 21/32 | 3 | 3/8 |
| GG75-25 | 1 | 500 MCM | 750 MCM | 2/0 Solid | 250 MCM | 2 9/32 | 1 27/32 | 1 23/32 | 3 1/8 | 3/8 |
| GG75-50 | 1 | 500 MCM | 750 MCM | 300 MCM | 500 MCM | 2 21/32 | 2 3/32 | 1 31/32 | 3 5/8 | 1/2 |
| GG75-75 | 1 | 500 MCM | 750 MCM | 500 MCM | 750 MCM | 2 21/32 | 2 21/32 | 2 3/16 | 3 15/16 | 1/2 |
| GG100-4 | - | 750 MCM | 1000 MCM | 8 Solid | 4 Stranded | 2 7/16 | 1 17/32 | 1 23/32 | 3 | 3/8 |
| GG100-13 | - | 750 MCM | 1000 MCM | 4 Solid | 2/0 Stranded | 2 7/16 | 1 23/32 | 1 25/32 | 3 1/4 | 3/8 |
| GG100-25 | - | 750 MCM | 1000 MCM | 2/0 Solid | 250 MCM | 2 7/16 | 1 27/32 | 1 27/32 | 3 1/2 | 3/8 |
| GG100-50 | - | 750 MCM | 1000 MCM | 300 MCM | 500 MCM | 2 13/16 | 2 3/32 | 2 3/32 | 3 13/16 | 1/2 |
| GG100-75 | - | 750 MCM | 1000 MCM | 500 MCM | 750 MCM | 2 13/16 | 2 21/32 | 2 9/32 | 4 1/16 | 1/2 |
| GG100-100 | - | 750 MCM | 1000 MCM | 750 MCM | 1000 MCM | 2 13/16 | 2 13/16 | 2 13/32 | 4 1/4 | 1/2 |



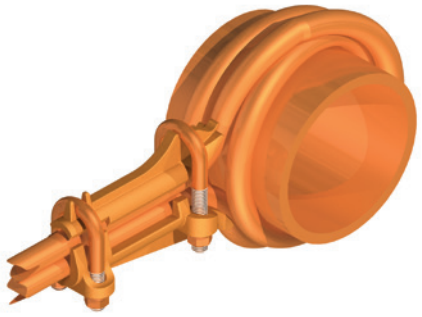


© 2011, AFL, all rights reserved. PP-3-00345, Revision 0, 3.3.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE GH

### Ground Connector For Cable To Large Diameter Pipe



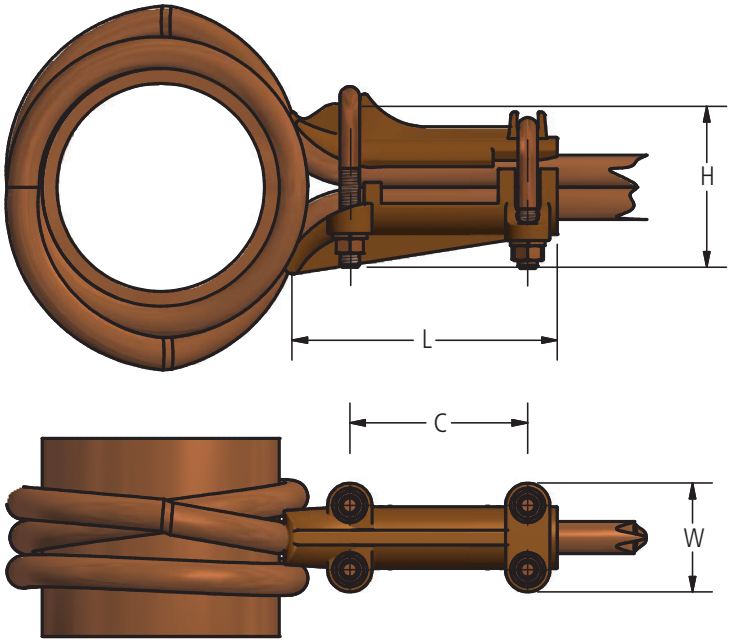
A ground connector for connecting a cable or wire to a large diameter pipe, tubular column or fence post. Each connector size accommodates a wide range of pipe sizes as well as cable sizes.

### Material

Copper Alloy

### Hardware

Everdur U-bolts, nuts and lockwashers




## Ordering Information

| CATALOG NUMBER | GROUNDING | | GROUNDING PIPE SPS | DIMENSIONS IN INCHES | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|
| | MIN | MAX | | C | H | L | W | |
| GH13 | 4 Stranded | 2/0 Stranded | 6 | 3 | 4 7/16 | 5 1/4 | 2 7/16 | 1/2 |
| GH13-S | 4 Stranded | 2/0 Stranded | Above 6 | 3 | 7 | 5 1/4 | 2 7/16 | 1/2 |
| GH25 | 2/0 Stranded | 250 MCM | 6 | 4 | 4 1/8 | 6 1/4 | 2 3/4 | 1/2 |
| GH25-S | 2/0 Stranded | 250 MCM | Above 6 | 4 | 7 1/2 | 6 1/4 | 2 3/4 | 1/2 |
| GH50 | 300 MCM | 500 MCM | 6 | 4 1/2 | 4 7/8 | 6 3/4 | 2 3/4 | 1/2 |
| GH50-S | 300 MCM | 500 MCM | Above 6 | 4 1/2 | 9 | 6 3/4 | 2 3/4 | 1/2 |



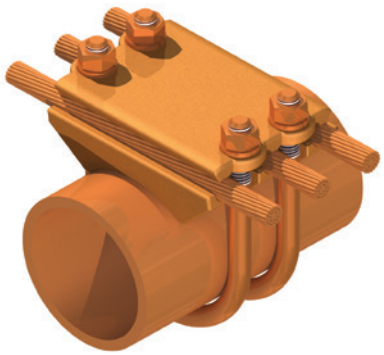


© 2011, AFL, all rights reserved. PP-3-00346, Revision 0, 3.8.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE GK

### Ground Clamp For 3 Cables To Fence Post



A ground connector for grounding three equal size cables at right angles to a grounding pipe or rod. Use of highly corrosion resistant materials allows the connector to be buried in the ground after connection is made. Finds wide application in the grounding of fences and structural members about a substation.

**Material**

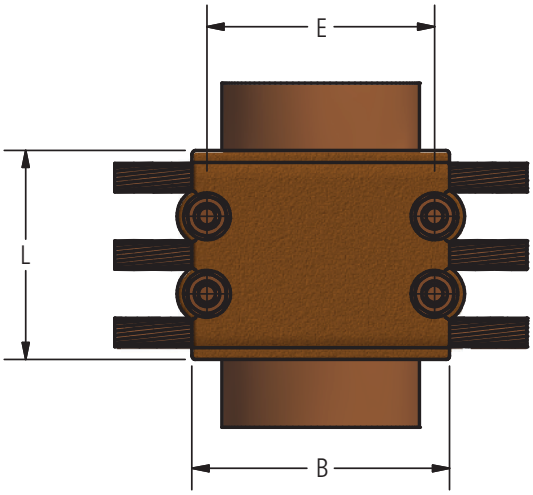
Copper Alloy

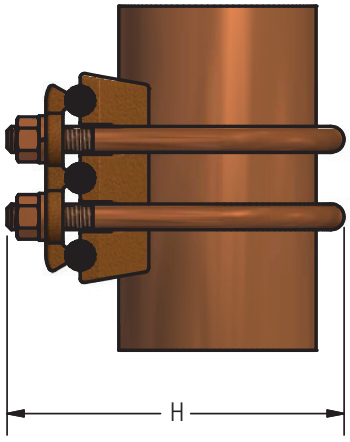
**Hardware**

Everdur bolts, nuts and lockwashers

**Note**

For tin plating add suffix (SN) to catalog number. Example: GK25-4-SN








© 2011, AFL, all rights reserved. PP-3-00347, Revision 0, 3.3.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE GK

### Ground Clamp For 3 Cables To Fence Post

## Ordering Information

| CATALOG NUMBER | GROUNDING | | CABLE RANGE | | DIMENSIONS IN INCHES | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|
| | PIPE SPS | ROD | MIN | MAX | B | E | H | L | |
| GK25-4 | 1/4 | 1/2 | 8 Solid | #4 Stranded | 1 5/8 | 1 | 2 1/16 | 2 1/2 | 3/8 |
| GK25-13 | 1/4 | 1/2 | 4 Solid | 2/0 Stranded | 1 5/8 | 1 | 2 3/16 | 3 1/16 | 3/8 |
| GK25-25 | 1/4 | 1/2 | 2/0 Solid | 250 MCM | 1 3/4 | 1 1/8 | 2 1/2 | 3 3/4 | 1/2 |
| GK38-4 | 3/8 | 5/8 or 3/4 | 8 Solid | #4 Stranded | 1 3/4 | 1 3/16 | 2 1/4 | 2 1/2 | 3/8 |
| GK38-13 | 3/8 | 5/8 or 3/4 | 4 Solid | 2/0 Stranded | 1 3/4 | 1 3/16 | 2 3/8 | 3 1/16 | 3/8 |
| GK38-25 | 3/8 | 5/8 or 3/4 | 2/0 Solid | 250 MCM | 2 | 1 5/16 | 2 11/16 | 3 3/4 | 1/2 |
| GK38-50 | 3/8 | 5/8 or 3/4 | 300 MCM | 500 MCM | 2 | 1 5/16 | 3 3/16 | 4 5/8 | 1/2 |
| GK75-4 | 1/2 or 3/4 | 7/8 or 1 | 8 Solid | #4 Stranded | 2 1/4 | 1 1/2 | 2 1/2 | 2 1/2 | 3/8 |
| GK75-13 | 1/2 or 3/4 | 7/8 or 1 | 4 Solid | 2/0 Stranded | 2 1/4 | 1 1/2 | 2 5/8 | 3 1/16 | 3/8 |
| GK75-25 | 1/2 or 3/4 | 7/8 or 1 | 2/0 Solid | 250 MCM | 2 1/2 | 1 5/8 | 2 15/16 | 3 3/4 | 1/2 |
| GK75-50 | 1/2 or 3/4 | 7/8 or 1 | 300 MCM | 500 MCM | 2 1/2 | 1 5/8 | 3 1/2 | 4 5/8 | 1/2 |
| GK100-4 | 1 | - | 8 Solid | #4 Stranded | 2 1/2 | 1 3/4 | 2 3/4 | 2 1/2 | 3/8 |
| GK100-13 | 1 | - | 4 Solid | 2/0 Stranded | 2 1/2 | 1 3/4 | 2 7/8 | 3 1/16 | 3/8 |
| GK100-25 | 1 | - | 2/0 Solid | 250 MCM | 2 5/8 | 1 7/8 | 3 1/4 | 3 3/4 | 1/2 |
| GK100-50 | 1 | - | 300 MCM | 500 MCM | 2 7/8 | 1 7/8 | 3 3/4 | 4 5/8 | 1/2 |
| GK100-75 | 1 | - | 500 MCM | 750 MCM | 2 7/8 | 1 7/8 | 3 7/8 | 5 1/4 | 1/2 |
| GK125-4 | 1 1/4 | - | 8 Solid | #4 Stranded | 2 1/2 | 2 1/8 | 3 1/8 | 2 1/2 | 3/8 |
| GK125-13 | 1 1/4 | - | 4 Solid | 2/0 Stranded | 2 5/8 | 2 1/8 | 3 1/4 | 3 1/16 | 3/8 |
| GK125-25 | 1 1/4 | - | 2/0 Solid | 250 MCM | 2 5/8 | 2 1/4 | 3 5/8 | 3 3/4 | 1/2 |
| GK125-50 | 1 1/4 | - | 300 MCM | 500 MCM | 3 | 2 1/4 | 4 | 4 5/8 | 1/2 |
| GK125-75 | 1 1/4 | - | 500 MCM | 750 MCM | 3 | 2 1/4 | 4 3/4 | 5 1/4 | 1/2 |
| GK150-4 | 1 1/2 | - | 8 Solid | #4 Stranded | 3 1/8 | 2 3/8 | 3 3/8 | 2 1/2 | 3/8 |
| GK150-13 | 1 1/2 | - | 4 Solid | 2/0 Stranded | 3 1/8 | 2 3/8 | 3 1/2 | 3 1/16 | 3/8 |
| GK150-25 | 1 1/2 | - | 2/0 Solid | 250 MCM | 3 1/4 | 2 1/2 | 3 7/8 | 3 3/4 | 1/2 |
| GK150-50 | 1 1/2 | - | 300 MCM | 500 MCM | 3 1/2 | 2 1/2 | 4 3/8 | 4 5/8 | 1/2 |
| GK150-75 | 1 1/2 | - | 500 MCM | 750 MCM | 3 1/2 | 2 1/2 | 4 5/8 | 5 1/4 | 1/2 |
| GK150-100 | 1 1/2 | - | 750 MCM | 1000 MCM | 3 9/16 | 2 1/2 | 4 3/4 | 6 | 1/2 |
| GK200-4 | 2 | - | 8 Solid | #4 Stranded | 3 7/8 | 2 13/16 | 3 7/8 | 2 1/2 | 3/8 |
| GK200-13 | 2 | - | 4 Solid | 2/0 Stranded | 4 | 2 13/16 | 4 1/8 | 3 1/16 | 3/8 |
| GK200-25 | 2 | - | 2/0 Solid | 250 MCM | 4 | 2 15/16 | 4 9/16 | 3 3/4 | 1/2 |
| GK200-50 | 2 | - | 300 MCM | 500 MCM | 4 | 2 15/16 | 4 3/4 | 4 5/8 | 1/2 |
| GK200-75 | 2 | - | 500 MCM | 750 MCM | 4 1/8 | 2 15/16 | 5 1/8 | 5 1/4 | 1/2 |
| GK200-100 | 2 | - | 750 MCM | 1000 MCM | 4 1/4 | 2 15/16 | 5 3/8 | 6 | 1/2 |
| GK250-4 | - | 2 1/2 | 8 Solid | #4 Stranded | 4 1/4 | 3 5/16 | 4 1/2 | 2 1/2 | 3/8 |
| GK250-13 | - | 2 1/2 | 4 Solid | 2/0 Stranded | 4 1/4 | 3 5/16 | 4 3/4 | 3 1/16 | 3/8 |
| GK250-25 | - | 2 1/2 | 2/0 Solid | 250 MCM | 4 1/2 | 3 7/16 | 5 3/16 | 3 3/4 | 1/2 |
| GK250-50 | - | 2 1/2 | 300 MCM | 500 MCM | 4 1/2 | 3 7/16 | 5 1/4 | 4 5/8 | 1/2 |
| GK250-75 | - | 2 1/2 | 500 MCM | 750 MCM | 4 3/4 | 3 7/16 | 5 9/16 | 5 1/4 | 1/2 |
| GK250-100 | - | 2 1/2 | 750 MCM | 1000 MCM | 4 3/4 | 3 7/16 | 5 7/8 | 6 | 1/2 |
| GK300-4 | - | 3 | 8 Solid | #4 Stranded | 5 | 4 | 5 | 2 1/2 | 3/8 |
| GK300-13 | - | 3 | 4 Solid | 2/0 Stranded | 5 | 4 | 5 1/4 | 3 1/16 | 3/8 |
| GK300-25 | - | 3 | 2/0 Solid | 250 MCM | 5 | 4 1/8 | 5 5/8 | 3 3/4 | 1/2 |
| GK300-50 | - | 3 | 300 MCM | 500 MCM | 5 1/4 | 4 1/8 | 5 7/8 | 4 5/8 | 1/2 |
| GK300-75 | - | 3 | 500 MCM | 750 MCM | 5 1/4 | 4 1/8 | 6 3/8 | 5 1/4 | 1/2 |
| GK300-100 | - | 3 | 750 MCM | 1000 MCM | 5 1/4 | 4 1/8 | 6 11/16 | 6 | 1/2 |



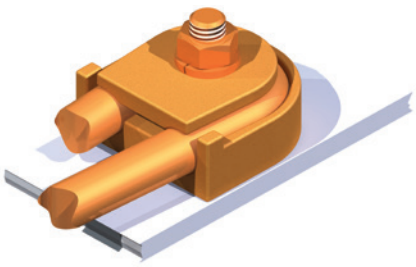


© 2011, AFL, all rights reserved. PP-3-00347, Revision 0, 3.3.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE GL

### Ground Clamp for Cable to Flat Bar



A connector for grounding a cable or wire to flat bar, plate or structural frame. The looping of the conductor about the clamping bolt insures a secure electrical contact and a high pull out strength. Standard bolt length is provided to mount the connector on a 1/4 inch thick member.

**Material**

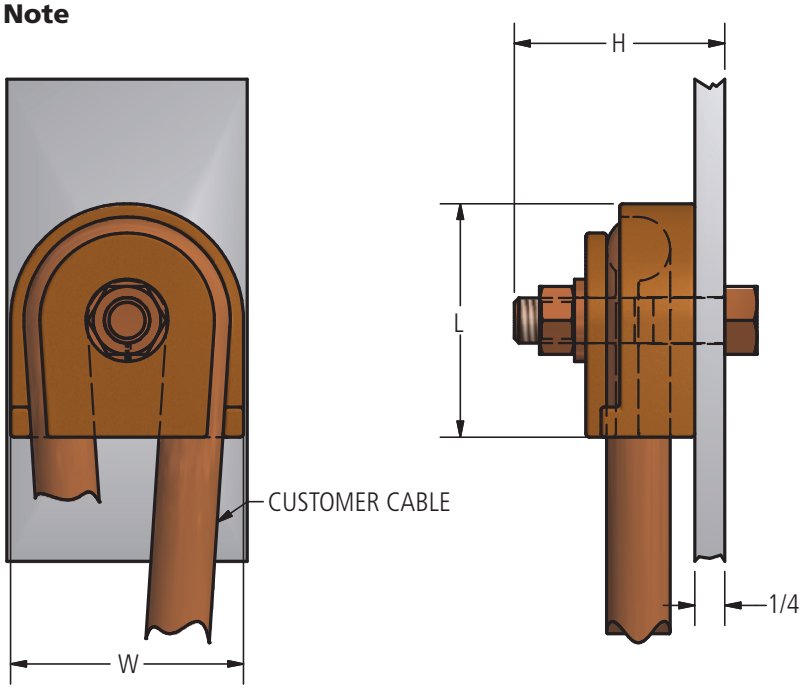
Copper Alloy

**Hardware**

Everdur bolts, nuts and lockwashers

**Note**

- Longer bolts can be furnished on request.
- For tin plating add suffix "-SN" to end of catalog number. Example: GL13-38-SN




## Ordering Information

| CATALOG NUMBER | CABLE RANGE | | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|---|---|
| | MIN | MAX | H | L | W | |
| GL4-38 | 8 Stranded | 4 Stranded | 1 1/2 | 1 7/16 | 1 1/4 | 3/8 |
| GL4-50 | 8 Stranded | 4 Stranded | 1 7/8 | 1 15/16 | 1 3/4 | 1/2 |
| GL4-63 | 8 Stranded | 4 Stranded | 2 | 1 15/16 | 1 3/4 | 5/8 |
| GL13-38 | 3 Stranded | 2/0 Stranded | 2 | 1 7/8 | 1 11/16 | 3/8 |
| GL13-50 | 3 Stranded | 2/0 Stranded | 2 1/8 | 1 15/16 | 1 13/16 | 1/2 |
| GL13-63 | 3 Stranded | 2/0 Stranded | 2 1/4 | 1 15/16 | 1 13/16 | 5/8 |
| GL25-38 | 3/0 Stranded | 250 MCM | 2 1/4 | 2 7/16 | 2 1/8 | 3/8 |
| GL25-50 | 3/0 Stranded | 250 MCM | 2 3/8 | 2 7/16 | 2 1/4 | 1/2 |
| GL25-63 | 3/0 Stranded | 250 MCM | 2 1/2 | 2 7/16 | 2 1/4 | 5/8 |



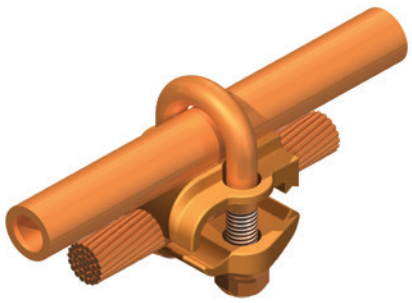


© 2011, AFL, all rights reserved. PP-3-00348, Revision 1, 11.9.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE GPC

### Ground Clamp for Cable to Pipe in Parallel



A ground clamp for connecting a cable to a rod or pipe in a parallel or right angle position. Each position will accomodate a wide range of cable sizes. The cable can be placed in either clamping position without disassembly of clamp. Whole clamp is highly corrosion resistant.

### Material

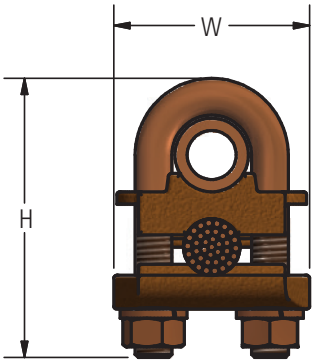
Copper Alloy

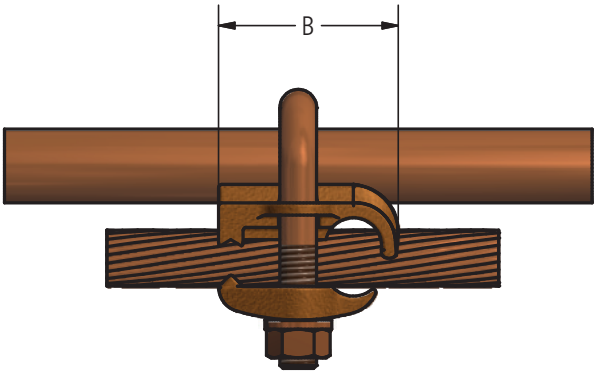
### Hardware

Everdur U-bolts, nuts and lockwashers

### Notes

- For O.D. pipe sizes to specified, add -R to catalog number, EX: GPC38R-4
- For tin plating, add suffix "-SN" to end of catalog number. EX: GPC38-4-SN
- For stainless steel bolts, lockwashers and Everdur nuts, add "-SSHBN" to catalog number. EX: GPC38-4-SSHBN
- All sizes are not shown, please contact customer service.








© 2011-2012, AFL, all rights reserved. PP-3-00349, Revision 3, 11.9.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE GPC

### Ground Clamp for Cable to Pipe in Parallel

## Ordering Information

| CATALOG NUMBER | GROUNDING | | CABLE RANGE | | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|
| | PIPE SPS | ROD | MIN | MAX | B | H | W | |
| GPC25-4 | 1/4 | 1/2 | 8 Solid | 4 Stranded | 1.44 | 2.44 | 1.88 | 3/8 |
| GPC25-13 | 1/4 | 1/2 | 4 Solid | 2/0 Stranded | 1.63 | 2.44 | 1.88 | 3/8 |
| GPC25-25 | 1/4 | 1/2 | 2/0 Solid | 250 MCM | 1.88 | 2.50 | 1.88 | 3/8 |
| GPC25-50 | 1/4 | 1/2 | 300 MCM | 500 MCM | 1.88 | 2.50 | 1.88 | 3/8 |
| GPC38-4 | 3/8 | 5/8 or 3/4 | 8 Solid | 4 Stranded | 1.44 | 2.50 | 2.00 | 3/8 |
| GPC38-13 | 3/8 | 5/8 or 3/4 | 4 Solid | 2/0 Stranded | 1.63 | 2.63 | 2.00 | 3/8 |
| GPC38-25 | 3/8 | 5/8 or 3/4 | 2/0 Solid | 250 MCM | 1.88 | 2.75 | 2.00 | 3/8 |
| GPC38-50 | 3/8 | 5/8 or 3/4 | 300 MCM | 500 MCM | 2.38 | 3.25 | 2.38 | 1/2 |
| GPC75-4 | 1/2 or 3/4 | 7/8 or 1 | 8 Solid | 4 Stranded | 1.44 | 2.56 | 2.38 | 3/8 |
| GPC75-13 | 1/2 or 3/4 | 7/8 or 1 | 4 Solid | 2/0 Stranded | 1.63 | 2.75 | 2.38 | 3/8 |
| GPC75-25 | 1/2 or 3/4 | 7/8 or 1 | 2/0 Solid | 250 MCM | 1.88 | 2.88 | 2.38 | 3/8 |
| GPC75-50 | 1/2 or 3/4 | 7/8 or 1 | 300 MCM | 500 MCM | 2.38 | 3.50 | 2.75 | 1/2 |
| GPC100-4 | 1 | 1 1/8 - 1 1/4 | 8 Solid | 4 Stranded | 1.44 | 2.75 | 2.63 | 3/8 |
| GPC100-13 | 1 | 1 1/8 - 1 1/4 | 4 Solid | 2/0 Stranded | 1.63 | 3.25 | 2.63 | 3/8 |
| GPC100-25 | 1 | 1 1/8 - 1 1/4 | 2/0 Solid | 250 MCM | 1.88 | 3.25 | 2.63 | 3/8 |
| GPC100-50 | 1 | 1 1/8 - 1 1/4 | 300 MCM | 500 MCM | 2.38 | 3.75 | 3.00 | 1/2 |
| GPC125-4 | 1 1/4 | 1 3/8 - 1 5/8 | 8 Solid | 4 Stranded | 1.44 | 3.25 | 3.00 | 3/8 |
| GPC125-13 | 1 1/4 | 1 3/8 - 1 5/8 | 4 Solid | 2/0 Stranded | 1.63 | 3.56 | 3.00 | 3/8 |
| GPC125-25 | 1 1/4 | 1 3/8 - 1 5/8 | 2/0 Solid | 250 MCM | 1.88 | 3.63 | 3.00 | 3/8 |
| GPC125-50 | 1 1/4 | 1 3/8 - 1 5/8 | 300 MCM | 500 MCM | 2.38 | 4.06 | 3 3/8 | 1/2 |
| GPC150-4 | 1 1/2 | 1 5/8 - 1 7/8 | 8 Solid | 4 Stranded | 1.44 | 3.44 | 3.25 | 3/8 |
| GPC150-13 | 1 1/2 | 1 5/8 - 1 7/8 | 4 Solid | 2/0 Stranded | 1.63 | 3.44 | 3.25 | 3/8 |
| GPC150-25 | 1 1/2 | 1 5/8 - 1 7/8 | 2/0 Solid | 250 MCM | 1.88 | 4.00 | 3.25 | 3/8 |
| GPC150-50 | 1 1/2 | 1 5/8 - 1 7/8 | 300 MCM | 500 MCM | 2.38 | 4.31 | 3.63 | 1/2 |
| GPC200-4 | 2 | 2 - 2 1/2 | 8 Solid | 4 Stranded | 1.44 | 3.88 | 3.69 | 3/8 |
| GPC200-13 | 2 | 2 - 2 1/2 | 4 Solid | 2/0 Stranded | 1.63 | 4.25 | 3.69 | 3/8 |
| GPC200-25 | 2 | 2 - 2 1/2 | 2/0 Solid | 250 MCM | 1.88 | 4.44 | 3.69 | 3/8 |
| GPC200R-25 | - | 2 1/2 | 2/0 Solid | 250 MCM | 1.88 | 4.44 | 3.69 | 3/8 |
| GPC200-50 | 2 | 2 - 2 1/2 | 300 MCM | 500 MCM | 2.38 | 5.16 | 4.06 | 1/2 |
| GPC250-4 | 2 1/2 | 2 5/8 - 2 7/8 | 8 Solid | 4 Stranded | 1.44 | 4.38 | 4.19 | 3/8 |
| GPC250-13 | 2 1/2 | 2 5/8 - 2 7/8 | 4 Solid | 2/0 Stranded | 1.63 | 4.75 | 4.19 | 3/8 |
| GPC250-25 | 2 1/2 | 2 5/8 - 2 7/8 | 2/0 Solid | 250 MCM | 1.88 | 4.88 | 4.19 | 3/8 |
| GPC250R-25 | - | 2 1/2 | 2/0 Solid | 250 MCM | 1.88 | 4.88 | 4.19 | 3/8 |
| GPC250-50 | 2 1/2 | 2 5/8 - 2 7/8 | 300 MCM | 500 MCM | 2.38 | 5.50 | 4.56 | 1/2 |
| GPC300-4 | 3 | 3 1/4 - 3 1/2 | 8 Solid | 4 Stranded | 1.44 | 5.00 | 4.81 | 3/8 |
| GPC300-13 | 3 | 3 1/4 - 3 1/2 | 4 Solid | 2/0 Stranded | 1.63 | 5.38 | 4.75 | 3/8 |
| GPC300-25 | 3 | 3 1/4 - 3 1/2 | 2/0 Solid | 250 MCM | 1.81 | 5.50 | 4.75 | 3/8 |
| GPC300R-25 | - | 3 | 2/0 Solid | 250 MCM | 1.88 | 5.50 | 4.31 | 3/8 |
| GPC300-50 | 3 | 3 1/2 | 300 MCM | 500 MCM | 2.38 | 5.75 | 5.19 | 1/2 |
| GPC350-4 | 3 1/2 | 3 3/4 - 4 | 8 Solid | 4 Stranded | 1.44 | 5.50 | 5.19 | 3/8 |
| GPC350-13 | 3 1/2 | 3 3/4 - 4 | 4 Solid | 2/0 Stranded | 1.63 | 5.88 | 5.38 | 3/8 |
| GPC350-25 | 3 1/2 | 3 3/4 - 4 | 2/0 Solid | 250 MCM | 1.88 | 6.00 | 5.31 | 3/8 |
| GPC350-50 | 3 1/2 | 3 3/4 - 4 | 300 MCM | 500 MCM | 2.38 | 6.81 | 5.69 | 1/2 |
| GPC400-4 | 4 | 4 1/4 - 4 1/2 | 8 Solid | 4 Stranded | 1.44 | 6.00 | 5.81 | 3/8 |
| GPC400-13 | 4 | 4 1/4 - 4 1/2 | 4 Solid | 2/0 Stranded | 1.63 | 6.38 | 5.75 | 3/8 |
| GPC400-25 | 4 | 4 1/4 - 4 1/2 | 2/0 Solid | 250 MCM | 1.81 | 6.50 | 5.75 | 3/8 |
| GPC400R-25 | - | 4 | 2/0 Solid | 250 MCM | 1.88 | 6.00 | 5.31 | 3/8 |
| GPC400-50 | 4 | 4 1/4 - 4 1/2 | 300 MCM | 500 MCM | 2.38 | 7.41 | 6.19 | 1/2 |
| GPC600-50 | 6 | 6 5/8 | 300 MCM | 500 MCM | 2.38 | 9.77 | 8.31 | 1/2 |





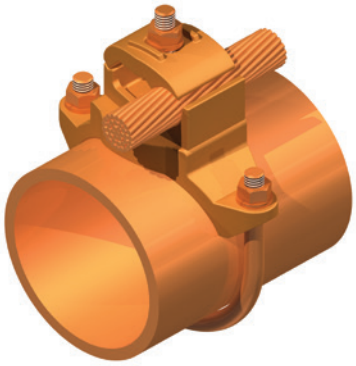
© 2011-2012, AFL, all rights reserved. PP-3-00349, Revision 3, 11.9.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE GPF

### Universal Ground Connector for Cable to Pipe

A universal ground connector for connecting a groundwire or cable to pipe. The rotatable feature of the conductor clamping element permits the positioning and clamping of the wire or cable at any angle through a full 360° arc.



### Material

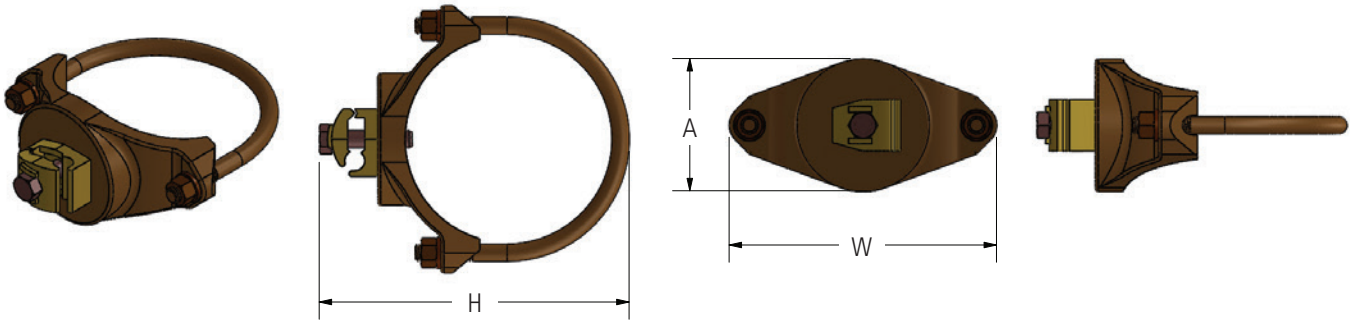
Copper Alloy

### Hardware

Everdur bolts, lockwashers and nuts

### Note

For tin plating, add suffix "-SN" to catalog number. Example: GPF250-13-SN




## Ordering Information

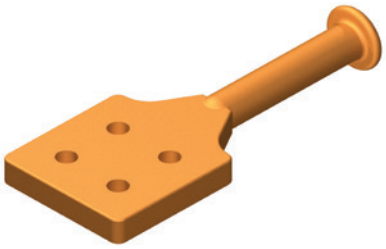
| CATALOG NUMBER | GROUND PIPE SPS | CABLE RANGE | | DIMENSIONS IN INCHES | | | |
|---|---|---|---|---|---|---|---|
| | | MIN | MAX | A | H | W | BOLT SIZE |
| GPF100-25 | 1 | 2/0 Solid | 250 MCM | 1.38 | 4.33 | 2.63 | 3/8 |
| GPF200-25 | 2 | 2/0 Solid | 250 MCM | 2.00 | 5.38 | 3.69 | 3/8 |
| GPF200-50 | 2 | 300 MCM | 500 MCM | 2.00 | 5.66 | 3.69 | 3/8 |
| GPF250-4 | 2 1/2 | 8 Solid | 4 Stranded | 1.63 | 4.75 | 4.19 | 3/8 |
| GPF250-13 | 2 1/2 | 4 Solid | 2/0 Stranded | 2.25 | 4.88 | 4.19 | 3/8 |
| GPF250-25 | 2 1/2 | 2/0 Solid | 250 MCM | 2.25 | 5.25 | 4.19 | 3/8 |
| GPF250-50 | 2 1/2 | 300 MCM | 500 MCM | 2.50 | 6.04 | 4.19 | 1/2 |
| GPF300-4 | 3 | 8 Solid | 4 Stranded | 1.63 | 5.38 | 4.81 | 3/8 |
| GPF300-13 | 3 | 4 Solid | 2/0 Stranded | 2.25 | 5.50 | 4.81 | 3/8 |
| GPF300-25 | 3 | 2/0 Solid | 250 MCM | 2.25 | 5.75 | 4.81 | 3/8 |
| GPF300-50 | 3 | 300 MCM | 500 MCM | 2.88 | 6.25 | 5.19 | 1/2 |
| GPF350-4 | 3 1/2 | 8 Solid | 4 Stranded | 1.63 | 5.88 | 5.31 | 3/8 |
| GPF350-13 | 3 1/2 | 4 Solid | 2/0 Stranded | 2.25 | 6.00 | 5.31 | 3/8 |
| GPF350-25 | 3 1/2 | 2/0 Solid | 250 MCM | 2.50 | 6.60 | 5.31 | 3/8 |
| GPF350-50 | 3 1/2 | 300 MCM | 500 MCM | 2.50 | 7.16 | 5.31 | 1/2 |
| GPF400-4 | 4 | 8 Solid | 4 Stranded | 1.63 | 6.38 | 5.81 | 3/8 |
| GPF400-13 | 4 | 4 Solid | 2/0 Stranded | 2.25 | 6.50 | 5.81 | 3/8 |
| GPF400-25 | 4 | 2/0 Solid | 250 MCM | 2.25 | 6.75 | 5.81 | 3/8 |
| GPF400-50 | 4 | 300 MCM | 500 MCM | 2.88 | 7.25 | 6.19 | 1/2 |
| GPF450-13 | 4 1/2 | 4 Solid | 2/0 Stranded | 2.25 | 7.00 | 6.31 | 3/8 |
| GPF450-25 | 4 1/2 | 2/0 Solid | 250 MCM | 2.50 | 7.25 | 6.31 | 3/8 |
| GPF450-50 | 4 1/2 | 300 MCM | 500 MCM | 2.88 | 7.75 | 6.69 | 1/2 |
| GPF500-13 | 5 | 4 Solid | 2/0 Stranded | 2.25 | 7.56 | 6.88 | 3/8 |
| GPF500-25 | 5 | 2/0 Solid | 250 MCM | 2.50 | 7.81 | 6.88 | 3/8 |
| GPF500-50 | 5 | 300 MCM | 500 MCM | 2.88 | 8.31 | 7.25 | 1/2 |
| GPF600-13 | 6 | 4 Solid | 2/0 Stranded | 2.25 | 8.50 | 7.94 | 3/8 |
| GPF600-25 | 6 | 2/0 Solid | 250 MCM | 2.50 | 8.75 | 7.94 | 3/8 |
| GPF600R-25 | 6 | 2/0 Solid | 250 MCM | 2.50 | 8.75 | 7.31 | 3/8 |
| GPF600-50 | 6 | 300 MCM | 500 MCM | 2.88 | 9.25 | 8.38 | 1/2 |





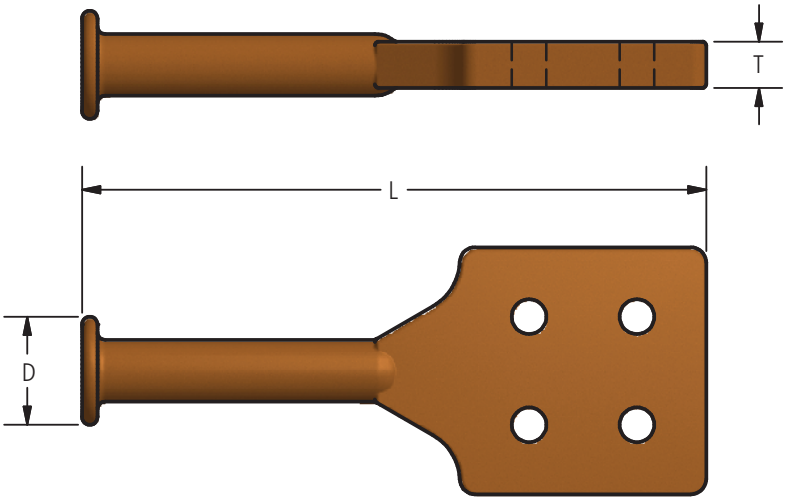
© 2011, AFL, all rights reserved. PP-3-00352, Revision 2, 7.20.18
Specifications are subject to change without notice.

# DOSSERT®
## TYPE GPH-N



Other pad configurations can be ordered by contacting Customer Service.

### Material
Copper Alloy



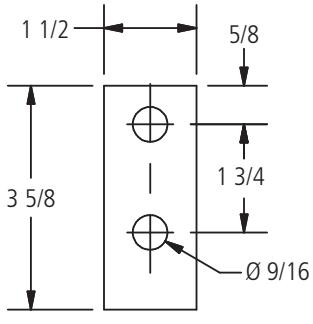




FIG. 1

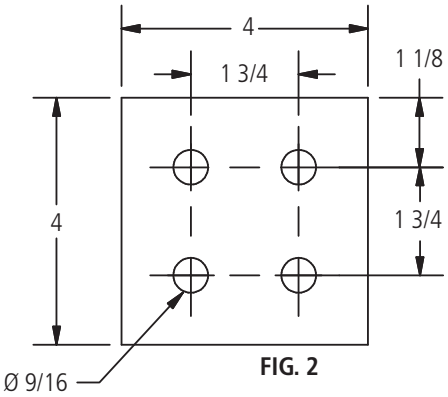



FIG. 2

## Ordering Information

| CATALOG NUMBER | FIG. NO. | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|
| | | D | L | T |
| GPH-2N | 1 | 1 1/4 | 8 5/8 | 1/2 |
| GPH-4N4 | 2 | 1 3/4 | 10 1/8 | 3/4 |





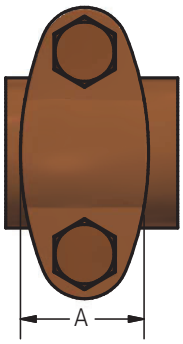
© 2011, AFL, all rights reserved. PP-3-00356, Revision 1, 8.5.13
Specifications are subject to change without notice.

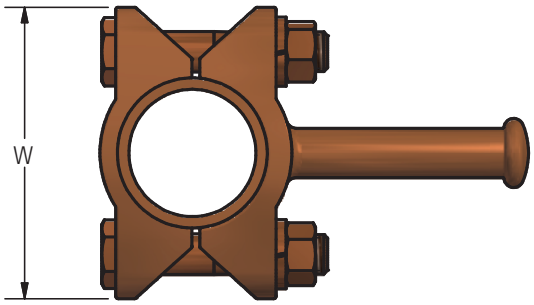
# DOSSERT®
## TYPE GPH

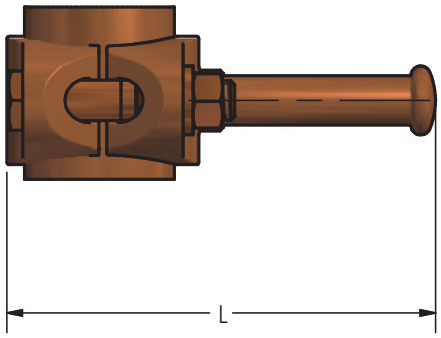


### Material
Copper Alloy

### Hardware
Everdur Bolts, Nuts, and Lock Washers




## Ordering Information

| CATALOG NUMBER | SPS | DIMENSIONS IN INCHES | | | |
|---|---|---|---|---|---|
| | | A | L | BOLT SIZE | W |
| GPH50 | 1/2 | 1 1/2 | 5 1/2 | 3/8 | 3 |
| GPH125 | 1 1/4 | 1 5/8 | 6 1/4 | 1/2 | 3 3/8 |
| GPH150 | 1 1/2 | 2 | 6 9/16 | 1/2 | 3 11/16 |
| GPH200 | 2 | 2 | 7 1/16 | 1/2 | 4 1/4 |
| GPH250 | 2 1/2 | 2 | 7 9/16 | 1/2 | 4 3/4 |
| GPH300 | 3 | 2 | 8 1/4 | 1/2 | 5 3/8 |
| GPH400 | 4 | 2 | 9 1/4 | 1/2 | 6 3/8 |



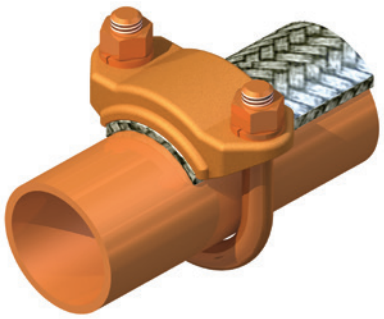


© 2011, AFL, all rights reserved. PP-3-00353, Revision 0, 3.8.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE GR

### Grounding Connector for Braid to Pipe



A ground connector for grounding flexible braid, laminated copper band, and copper bar to a pipe. Will also accommodate stranded cable when cable is unbraided and flattened out.

### Material

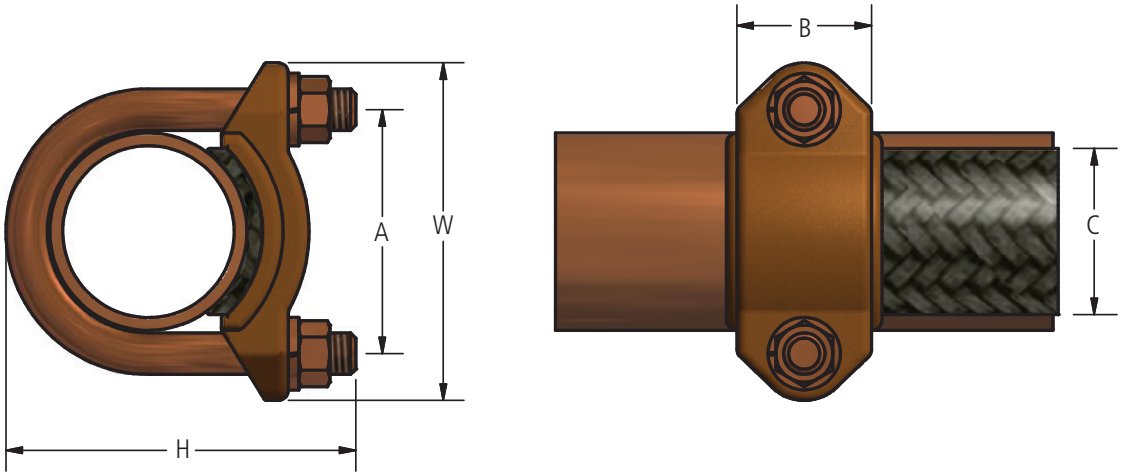
Copper Alloy

### Hardware

Everdur U-bolts, nuts and lockwashers

### Notes

- All sizes are not shown; item is available up to 6 inches SPS and other braid-to-pipe configurations.
- For Electro Tin plate, add suffix "-SN" to catalog number. Example: GR400A-SN




## Ordering Information

| CATALOG NUMBER | SPS | DIMENSIONS IN INCHES | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|
| | | A | B | C | H | W | |
| GR100A | 1 | 1 3/4 | 1 1/8 | 1 | 2 5/8 | 2 5/8 | 3/8 |
| GR125A | 1 1/4 | 2 3/32 | 1 1/4 | 1 | 3 | 2 31/32 | 3/8 |
| GR150A | 1 1/2 | 2 5/16 | 1 3/8 | 1 | 3 9/32 | 3 3/16 | 3/8 |
| GR150B | 1 1/2 | 2 5/16 | 1 7/16 | 1 1/2 | 3 19/64 | 3 3/16 | 3/8 |
| GR200A | 2 | 2 13/16 | 1 1/4 | 1 | 3 27/32 | 3 11/16 | 3/8 |
| GR200B | 2 | 2 13/16 | 1 3/8 | 1 1/2 | 3 27/32 | 3 21/32 | 3/8 |
| GR200C | 2 | 2 15/16 | 1 7/8 | 2 | 4 7/32 | 4 1/16 | 1/2 |
| GR250A | 2 1/2 | 3 7/16 | 1 5/8 | 2 | 4 17/32 | 4 9/16 | 1/2 |
| GR250B | 2 1/2 | 3 7/16 | 1 7/8 | 2 1/2 | 4 11/32 | 4 9/16 | 1/2 |
| GR300A | 3 | 4 1/16 | 2 1/8 | 2 | 5 1/32 | 5 3/16 | 1/2 |
| GR300B | 3 | 4 1/16 | 1 7/8 | 2 1/2 | 5 1/32 | 5 3/16 | 1/2 |
| GR300C | 3 | 4 1/16 | 1 7/8 | 3 | 5 1/32 | 5 3/16 | 1/2 |
| GR350A | 3 1/2 | 4 5/8 | 2 1/8 | 2 | 5 7/8 | 5 21/32 | 1/2 |
| GR350B | 3 1/2 | 4 5/8 | 2 1/4 | 2 1/2 | 5 7/8 | 5 21/32 | 1/2 |
| GR350C | 3 1/2 | 4 5/8 | 2 1/4 | 3 | 5 7/8 | 5 21/32 | 1/2 |
| GR400A | 4 | 5 1/8 | 2 1/4 | 2 | 6 1/16 | 6 1/4 | 1/2 |
| GR400B | 4 | 5 1/8 | 2 3/8 | 2 1/2 | 6 1/16 | 6 1/4 | 1/2 |
| GR400C | 4 | 5 1/8 | 2 3/8 | 3 | 6 1/16 | 6 1/4 | 1/2 |
| GR600C | 6 | 7 3/16 | 2 1/2 | 3 | 8 3/16 | 8 5/16 | 1/2 |





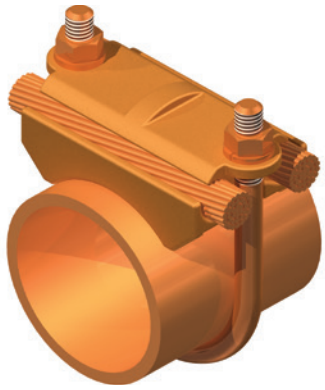
© 2011, AFL, all rights reserved. PP-3-00357, Revision 2, 1.30.19
Specifications are subject to change without notice.

# DOSSERT®

## TYPE GS

### Grounding Clamp for 2 Cables to Pipe at 90°

A ground connector for grounding two wires or cables to a ground rod pipe. Designed to accommodate a wide range of conductor sizes.



### Material

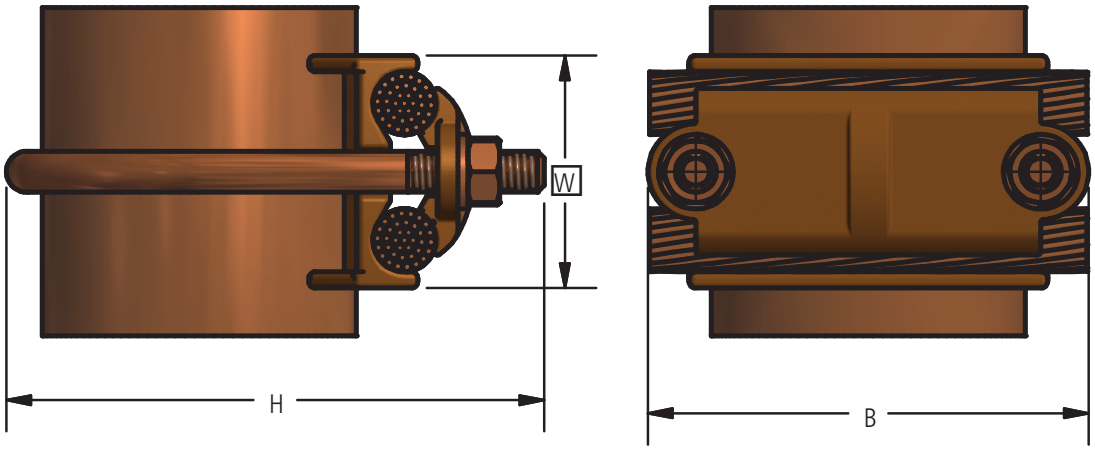
Copper Alloy

### Hardware

Everdur U-bolts, nuts and lockwashers

### Note

For tin plating add suffix "-SN" to catalog number. Example: GS38-25-SN




## Ordering Information

| CATALOG NUMBER | GROUNDING | | CABLE RANGE | | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|
| | PIPE SPS | ROD | MIN | MAX | B | H | W | |
| GS25-4 | 1/4 | 1/2 | 8 Solid | 4 Stranded | 1 13/16 | 2 1/8 | 1 7/16 | 3/8 |
| GS25-13 | 1/4 | 1/2 | 4 Solid | 2/0 Stranded | 1 13/16 | 2 1/4 | 1 7/8 | 3/8 |
| GS25-25 | 1/4 | 1/2 | 2/0 Solid | 250 MCM | 1 13/16 | 2 7/16 | 2 3/16 | 3/8 |
| GS38-4 | 3/8 | 5/8 - 3/4 | 8 Solid | 4 Stranded | 2 | 2 5/16 | 2 | 3/8 |
| GS38-13 | 3/8 | 5/8 - 3/4 | 4 Solid | 2/0 Stranded | 2 | 2 1/2 | 2 | 3/8 |
| GS38-25 | 3/8 | 5/8 - 3/4 | 2/0 Solid | 250 MCM | 2 | 2 5/8 | 2 | 3/8 |
| GS38-50 | 3/8 | 5/8 - 3/4 | 300 MCM | 500 MCM | 2 3/8 | 3 3/16 | 2 3/8 | 1/2 |
| GS75-4 | 1/2 - 3/4 | 7/8 - 1 | 8 Solid | 4 Stranded | 2 3/8 | 2 3/4 | 1 7/16 | 3/8 |
| GS75-13 | 1/2 - 3/4 | 7/8 - 1 | 4 Solid | 2/0 Stranded | 2 3/8 | 2 15/16 | 1 7/8 | 3/8 |
| GS75-25 | 1/2 - 3/4 | 7/8 - 1 | 2/0 Solid | 250 MCM | 2 3/8 | 3 1/16 | 2 3/16 | 3/8 |
| GS75-50 | 1/2 - 3/4 | - | 300 MCM | 500 MCM | 2 3/4 | 3 1/2 | 2 7/8 | 1/2 |
| GS100-4 | 1 | - | 8 Solid | 4 Stranded | 2 5/8 | 3 1/16 | 1 7/16 | 3/8 |
| GS100-13 | 1 | - | 4 Solid | 2/0 Stranded | 2 5/8 | 3 3/16 | 1 7/8 | 3/8 |
| GS100-25 | 1 | - | 2/0 Solid | 250 MCM | 2 5/8 | 3 3/8 | 2 3/16 | 3/8 |
| GS100-50 | 1 | - | 300 MCM | 500 MCM | 2 5/8 | 3 15/16 | 2 7/8 | 1/2 |
| GS100-75 | 1 | - | 500 MCM | 750 MCM | 3 1/4 | 4 1/8 | 3 1/4 | 1/2 |
| GS150-4 | 1 1/2 | 2 | 8 Solid | 4 Stranded | 3 3/16 | 4 | 1 7/16 | 3/8 |
| GS150-13 | 1 1/2 | 2 | 4 Solid | 2/0 Stranded | 3 1/4 | 4 | 1 7/8 | 3/8 |
| GS150-25 | 1 1/2 | 2 | 2/0 Solid | 250 MCM | 3 1/4 | 4 | 2 3/16 | 3/8 |
| GS150-50 | 1 1/2 | 2 | 300 MCM | 500 MCM | 3 5/8 | 4 7/8 | 2 3/4 | 1/2 |
| GS200-13 | 2 | - | 4 Solid | 2/0 Stranded | 3 11/16 | 4 3/8 | 1 7/8 | 3/8 |
| GS200-25 | 2 | - | 2/0 Solid | 250 MCM | 3 11/16 | 4 1/2 | 2 3/16 | 3/8 |
| GS250-13 | 2 1/2 | - | 4 Solid | 2/0 Stranded | 4 3/16 | 4 15/16 | 1 7/8 | 3/8 |
| GS250-25 | 2 1/2 | - | 2/0 Solid | 250 MCM | 4 3/16 | 5 1/16 | 2 3/16 | 3/8 |
| GS300-13 | 3 | - | 4 Solid | 2/0 Stranded | 4 13/16 | 5 7/16 | 1 7/8 | 3/8 |
| GS300-25 | 3 | - | 2/0 Solid | 250 MCM | 4 13/16 | 5 7/16 | 2 3/16 | 3/8 |
| GS350-25 | 3 1/2 | - | 4 Solid | 2/0 Stranded | 5 5/16 | 6 1/16 | 1 7/8 | 3/8 |
| GS350-50 | 3 1/2 | - | 300 MCM | 500 MCM | 5 5/16 | 6 1/16 | 2 1/4 | 3/8 |



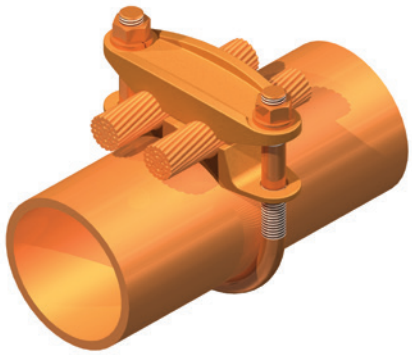


© 2011, AFL, all rights reserved. PP-3-00358, Revision 0, 3.3.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE GW

### Grounding Clamp for 2 Cables to Pipe in Parallel



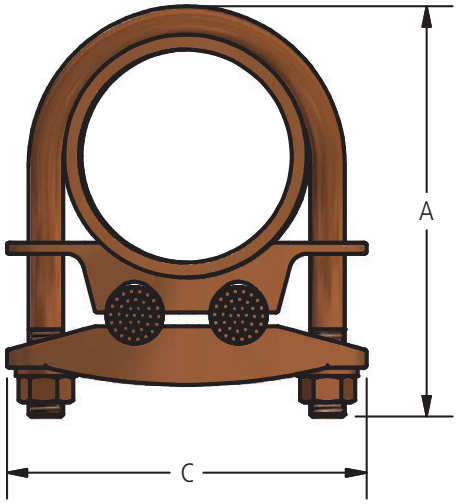
A clamp type grounding connector for grounding two cables to a single rod or pipe. A single cable may be used by looping back on itself. Each connector is designed to accommodate a wide range of conductor sizes. Other sizes than those listed can be promptly furnished.

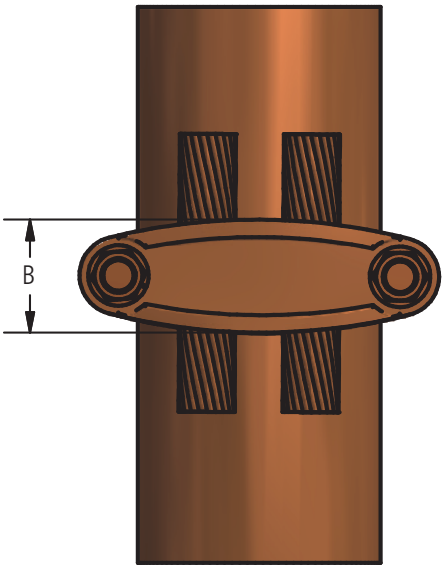
### Material

Copper Alloy

### Hardware

Everdur U-bolts, nuts and lockwashers








© 2011, AFL, all rights reserved. PP-3-00362, Revision 0, 3.3.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE GW

### Grounding Clamp for 2 Cables to Pipe in Parallel

## Ordering Information

| CATALOG NUMBER | GROUNDING | | CABLE RANGE | | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|
| | PIPE SPS | ROD | MIN | MAX | A | B | C | |
| GW38-4 | 3/8 | 5/8 - 3/4 | #8 Solid | #4 Stranded | 2 3/8 | 1 1/8 | 2 1/16 | 3/8 |
| GW38-13 | 3/8 | 5/8 - 3/4 | #4 Solid | 2/0 Stranded | 2 9/16 | 1 1/8 | 2 1/16 | 3/8 |
| GW38-25 | 3/8 | 5/8 - 3/4 | 2/0 Solid | 250 MCM | 2 3/4 | 1 1/8 | 2 1/16 | 3/8 |
| GW75-4 | 3/4 | 7/8 - 1 | #8 Solid | #4 Stranded | 2 5/8 | 1 1/8 | 2 3/8 | 3/8 |
| GW75-13 | 3/4 | 7/8 - 1 | #4 Solid | 2/0 Stranded | 2 3/4 | 1 1/8 | 2 3/8 | 3/8 |
| GW75-25 | 3/4 | 7/8 - 1 | 2/0 Solid | 250 MCM | 2 7/8 | 1 1/8 | 2 3/8 | 3/8 |
| GW75-50 | 3/4 | 7/8 - 1 | 300 MCM | 500 MCM | 4 1/8 | 1 9/16 | 3 5/8 | 3/8 |
| GW100-4 | 1 | 1 1/8 - 1 1/4 | #8 Solid | #4 Stranded | 2 15/16 | 1 1/8 | 2 5/8 | 3/8 |
| GW100-13 | 1 | 1 1/8 - 1 1/4 | #4 Solid | 2/0 Stranded | 3 | 1 1/8 | 2 5/8 | 3/8 |
| GW100-25 | 1 | 1 1/8 - 1 1/4 | 2/0 Solid | 250 MCM | 3 5/16 | 1 1/8 | 2 5/8 | 3/8 |
| GW100-50 | 1 | 1 1/8 - 1 1/4 | 300 MCM | 500 MCM | 4 1/8 | 1 9/16 | 3 5/8 | 1/2 |
| GW125-4 | 1 1/4 | 1 3/8 - 1 5/8 | #8 Solid | #4 Stranded | 3 3/16 | 1 3/8 | 3 | 3/8 |
| GW125-13 | 1 1/4 | 1 3/8 - 1 5/8 | #4 Solid | 2/0 Stranded | 3 5/16 | 1 3/8 | 3 | 3/8 |
| GW125-25 | 1 1/4 | 1 3/8 - 1 5/8 | 2/0 Solid | 250 MCM | 3 5/8 | 1 7/16 | 3 | 3/8 |
| GW125-50 | 1 1/4 | 1 3/8 - 1 5/8 | 300 MCM | 500 MCM | 4 1/2 | 1 9/16 | 4 | 1/2 |
| GW150-4 | 1 1/2 | 1 3/4 - 2 | #8 Solid | #4 Stranded | 3 1/2 | 1 3/8 | 3 1/4 | 3/8 |
| GW150-13 | 1 1/2 | 1 3/4 - 2 | #4 Solid | 2/0 Stranded | 3 11/16 | 1 3/8 | 3 1/4 | 3/8 |
| GW150-25 | 1 1/2 | 1 3/4 - 2 | 2/0 Solid | 250 MCM | 3 3/4 | 1 7/16 | 3 1/4 | 3/8 |
| GW150-50 | 1 1/2 | 1 3/4 - 2 | 300 MCM | 500 MCM | 4 7/16 | 1 9/16 | 3 5/8 | 1/2 |
| GW200-4 | 2 | 2 - 2 3/8 | #8 Solid | #4 Stranded | 4 | 1 3/8 | 3 11/16 | 3/8 |
| GW200-13 | 2 | 2 - 2 3/8 | #4 Solid | 2/0 Stranded | 4 3/8 | 1 3/8 | 3 11/16 | 3/8 |
| GW200-25 | 2 | 2 - 2 3/8 | 2/0 Solid | 250 MCM | 4 1/2 | 1 1/2 | 3 11/16 | 3/8 |
| GW200-50 | 2 | 2 - 2 3/8 | 300 MCM | 500 MCM | 4 7/8 | 1 9/16 | 4 1/16 | 1/2 |
| GW250-4 | 2 1/2 | 2 5/8 - 2 7/8 | #8 Solid | #4 Stranded | 4 1/2 | 1 3/8 | 4 3/16 | 3/8 |
| GW250-13 | 2 1/2 | 2 5/8 - 2 7/8 | #4 Solid | 2/0 Stranded | 4 13/16 | 1 3/8 | 4 3/16 | 3/8 |
| GW250-25 | 2 1/2 | 2 5/8 - 2 7/8 | 2/0 Solid | 250 MCM | 4 15/16 | 1 1/2 | 4 3/16 | 3/8 |
| GW250-50 | 2 1/2 | 2 5/8 - 2 7/8 | 300 MCM | 500 MCM | 5 1/4 | 1 9/16 | 4 9/16 | 1/2 |
| GW250-75 | 2 1/2 | 2 5/8 - 2 7/8 | 500 MCM | 750 MCM | 5 7/8 | 1 5/8 | 4 15/16 | 5/8 |
| GW300-4 | 3 | 3 1/4 - 3 1/2 | #8 Solid | #4 Stranded | 5 1/8 | 1 3/8 | 4 13/16 | 3/8 |
| GW300-13 | 3 | 3 1/4 - 3 1/2 | #4 Solid | 2/0 Stranded | 5 7/16 | 1 3/8 | 4 13/16 | 3/8 |
| GW300-25 | 3 | 3 1/4 - 3 1/2 | 2/0 Solid | 250 MCM | 5 9/16 | 1 3/8 | 4 13/16 | 3/8 |
| GW300-50 | 3 | 3 1/4 - 3 1/2 | 300 MCM | 500 MCM | 5 7/8 | 1 9/16 | 5 3/16 | 1/2 |
| GW300-75 | 3 | 3 1/4 - 3 1/2 | 500 MCM | 750 MCM | 6 1/2 | 1 5/8 | 5 9/16 | 5/8 |
| GW300-100 | 3 | 3 1/4 - 3 1/2 | 750 MCM | 1000 MCM | 6 5/8 | 1 3/4 | 5 9/16 | 5/8 |
| GW350-4 | 3 1/2 | 3 3/4 - 4 | #8 Solid | #4 Stranded | 5 5/8 | 1 1/2 | 5 5/16 | 3/8 |
| GW350-13 | 3 1/2 | 3 3/4 - 4 | #4 Solid | 2/0 Stranded | 5 5/16 | 1 1/2 | 5 5/16 | 3/8 |
| GW350-25 | 3 1/2 | 3 3/4 - 4 | 2/0 Solid | 250 MCM | 6 1/16 | 1 1/2 | 5 5/16 | 3/8 |
| GW350-50 | 3 1/2 | 3 3/4 - 4 | 300 MCM | 500 MCM | 6 3/8 | 1 9/16 | 5 11/16 | 1/2 |
| GW350-75 | 3 1/2 | 3 3/4 - 4 | 500 MCM | 750 MCM | 7 | 1 5/8 | 6 11/16 | 5/8 |
| GW350-100 | 3 1/2 | 3 3/4 - 4 | 750 MCM | 1000 MCM | 7 1/8 | 1 3/4 | 6 11/16 | 5/8 |
| GW400-4 | 4 | 4 1/4 - 4 1/2 | #8 Solid | #4 Stranded | 6 1/8 | 1 5/8 | 5 13/16 | 3/8 |
| GW400-13 | 4 | 4 1/4 - 4 1/2 | #4 Solid | 2/0 Stranded | 6 3/16 | 1 5/8 | 5 13/16 | 3/8 |
| GW400-25 | 4 | 4 1/4 - 4 1/2 | 2/0 Solid | 250 MCM | 6 1/2 | 1 5/8 | 5 13/16 | 3/8 |
| GW400-50 | 4 | 4 1/4 - 4 1/2 | 300 MCM | 500 MCM | 6 7/8 | 1 5/8 | 6 3/16 | 1/2 |
| GW400-75 | 4 | 4 1/4 - 4 1/2 | 500 MCM | 750 MCM | 7 1/2 | 1 5/8 | 6 9/16 | 5/8 |
| GW400-100 | 4 | 4 1/4 - 4 1/2 | 750 MCM | 1000 MCM | 7 5/8 | 1 3/4 | 6 9/16 | 5/8 |
| GW600-4 | 6 | - | #8 Solid | #4 Stranded | 8 3/8 | 1 1/2 | 7 15/16 | 3/8 |
| GW600-25 | 6 | - | 2/0 Solid | 250 MCM | 8 5/8 | 1 5/8 | 7 15/16 | 3/8 |



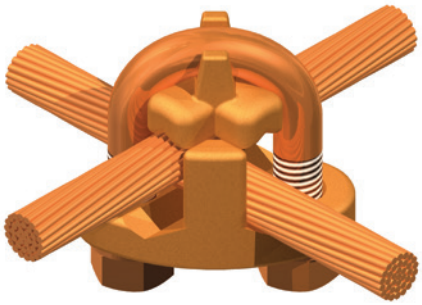


© 2011, AFL, all rights reserved. PP-3-00362, Revision 0, 3.3.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE GX

### Grounding Connector For Direct Contact Cross Conductors



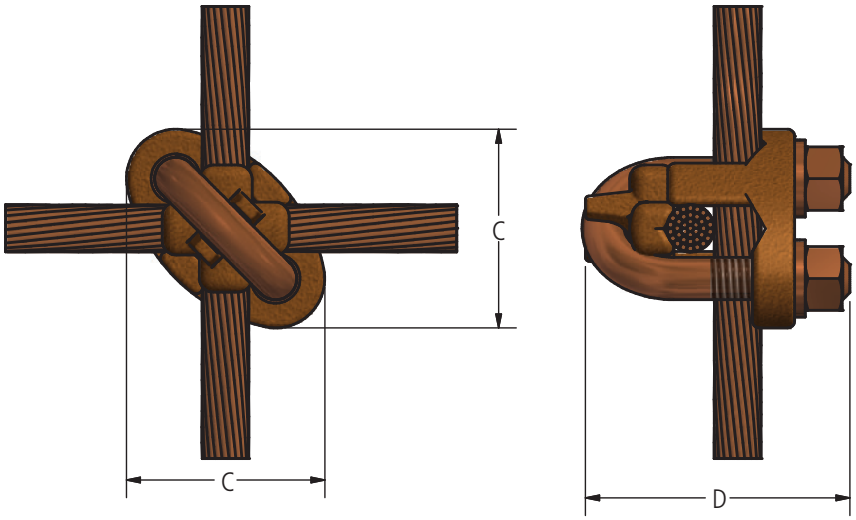
A grounding connector for direct contact cross grounding wire or cable. Each clamp accommodates two conductors of the minimum or maximum size or any intermediate combination of conductors.

### Material

Copper Alloy

### Hardware

Everdur U-bolts, nuts and lockwashers




## Ordering Information

| CATALOG NUMBER | CABLE RANGE | | DIMENSIONS IN INCHES | | BOLT SIZE |
|---|---|---|---|---|---|
| | MIN | MAX | C | D | |
| GX13-13 | 6 Str | 2/0 Str | 1 3/4 | 1 11/16 | 3/8 |
| GX21-21 | 1 Str | 4/0 Str | 1 7/8 | 2 1/4 | 3/8 |
| GX30-30 | 1/0 Str | 300 MCM | 2 5/16 | 2 3/4 | 1/2 |
| GX50-50 | 300 MCM | 500 MCM | 2 1/2 | 3 3/16 | 1/2 |
| GX80-80 | 500 MCM | 800 MCM | 2 3/4 | 3 9/16 | 1/2 |
| GX100-100 | 750 MCM | 1000 MCM | 3 1/4 | 4 1/4 | 5/8 |



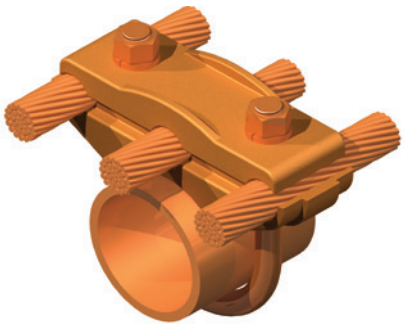


© 2011, AFL, all rights reserved. PP-3-00364, Revision 1, 8.5.13
Specifications are subject to change without notice.

# DOSSERT®

## TYPE GZ

### Grounding Clamp for 3 Cables to Pipe in Parallel



A triple conductor grounding clamp for grounding three wires or cables to the same ground rod or pipe. The high range of variability permits use of a number of conductor sizes for one connector. The high corrosion resistance of the connector permits the entire assembly to be covered with earth after installation is made.

### Material

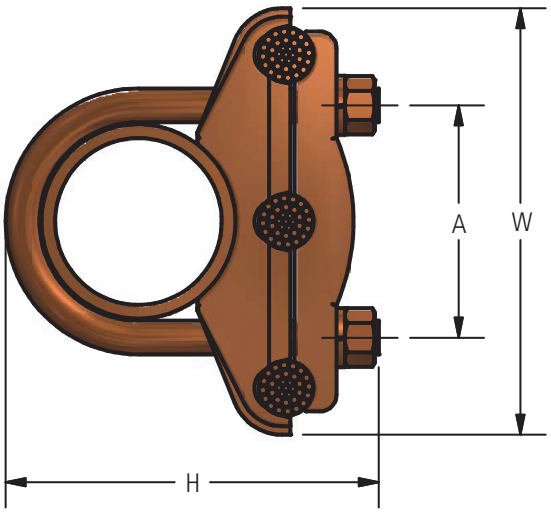
Copper Alloy

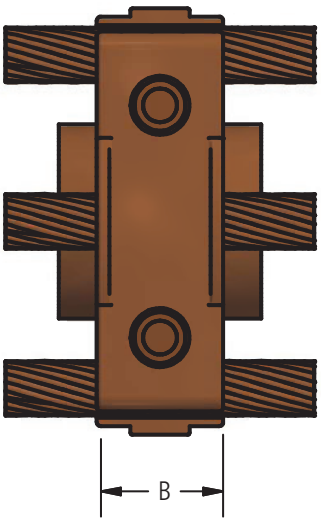
### Hardware

Everdur U-bolts, nuts and lockwashers

### Notes

- For tin plating, add suffix "-SN" to catalog number. EX: GZ125-50-SN
- For stainless steel bolts, lockwashers and Everdur nuts, add suffix "-SSHBN" to catalog number. EX: GZ125-50-SSHBN
- All sizes are not shown. Please contact the factory.








© 2011, AFL, all rights reserved. PP-3-00365, Revision 1, 11.9.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE GZ

### Grounding Clamp for 3 Cables to Pipe in Parallel

## Ordering Information

| CATALOG NUMBER | GROUNDING | | CONDUCTOR RANGE | | DIMENSIONS IN INCHES | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|
| | PIPE SPS | ROD | MIN | MAX | A | B | H | W | |
| GZ25-4 | 1/4 | 1/2 | 8 Solid | #4 Stranded | 1 | 1 1/2 | 2 1/16 | 2 1/4 | 3/8 |
| GZ25-13 | 1/4 | 1/2 | 4 Solid | 2/0 Stranded | 1 | 1 1/2 | 2 5/16 | 2 3/4 | 3/8 |
| GZ25-25 | 1/4 | 1/2 | 2/0 Solid | 250 MCM | 1 1/8 | 1 1/2 | 2 11/16 | 3 3/16 | 1/2 |
| GZ38-4 | 3/8 | 5/8 or 3/4 | 8 Solid | #4 Stranded | 1 3/16 | 1 1/2 | 2 5/8 | 2 3/4 | 3/8 |
| GZ38-13 | 3/8 | 5/8 or 3/4 | 4 Solid | 2/0 Stranded | 1 3/16 | 1 1/2 | 2 7/8 | 3 3/16 | 3/8 |
| GZ38-25 | 3/8 | 5/8 or 3/4 | 2/0 Solid | 250 MCM | 1 5/16 | 1 1/2 | 3 3/16 | 3 3/4 | 1/2 |
| GZ38-50 | 3/8 | 5/8 or 3/4 | 300 MCM | 500 MCM | 1 5/16 | 1 5/8 | 3 7/16 | 4 3/16 | 1/2 |
| GZ75-4 | 1/2 or 3/4 | 7/8 or 1 | 8 Solid | #4 Stranded | 1 1/2 | 1 1/2 | 2 5/8 | 2 3/4 | 3/8 |
| GZ75-13 | 1/2 or 3/4 | 7/8 or 1 | 4 Solid | 2/0 Stranded | 1 1/2 | 1 1/2 | 2 7/8 | 3 3/16 | 3/8 |
| GZ75-25 | 1/2 or 3/4 | 7/8 or 1 | 2/0 Solid | 250 MCM | 1 5/8 | 1 1/2 | 3 3/16 | 3 3/4 | 1/2 |
| GZ75-50 | 1/2 or 3/4 | 7/8 or 1 | 300 MCM | 500 MCM | 1 5/8 | 1 5/8 | 3 7/16 | 4 3/16 | 1/2 |
| GZ100-4 | 1 | 1 1/8 - 1 1/4 | 8 Solid | #4 Stranded | 1 3/4 | 1 1/2 | 2 13/16 | 2 15/16 | 3/8 |
| GZ100-13 | 1 | 1 1/8 - 1 1/4 | 4 Solid | 2/0 Stranded | 1 3/4 | 1 1/2 | 3 | 2 15/16 | 3/8 |
| GZ100-25 | 1 | 1 1/8 - 1 1/4 | 2/0 Solid | 250 MCM | 1 7/8 | 1 1/2 | 3 7/16 | 4 | 1/2 |
| GZ100-50 | 1 | 1 1/8 - 1 1/4 | 300 MCM | 500 MCM | 1 7/8 | 1 7/8 | 3 11/16 | 4 7/16 | 1/2 |
| GZ125-4 | 1 1/4 | 1 3/8 - 1 5/8 | 8 Solid | #4 Stranded | 2 1/8 | 1 1/2 | 3 1/4 | 3 15/16 | 3/8 |
| GZ125-13 | 1 1/4 | 1 3/8 - 1 5/8 | 4 Solid | 2/0 Stranded | 2 1/8 | 1 1/2 | 3 7/16 | 3 3/4 | 3/8 |
| GZ125-25 | 1 1/4 | 1 3/8 - 1 5/8 | 2/0 Solid | 250 MCM | 2 1/4 | 1 1/2 | 3 13/16 | 4 3/8 | 1/2 |
| GZ125-50 | 1 1/4 | 1 3/8 - 1 5/8 | 300 MCM | 500 MCM | 2 1/4 | 1 7/8 | 4 1/8 | 4 13/16 | 1/2 |
| GZ150-4 | 1 1/2 | 1 5/8 - 1 7/8 | 8 Solid | #4 Stranded | 2 3/8 | 1 1/2 | 3 1/2 | 3 5/8 | 3/8 |
| GZ150-13 | 1 1/2 | 1 5/8 - 1 7/8 | 4 Solid | 2/0 Stranded | 2 3/8 | 1 1/2 | 3 11/16 | 4 1/16 | 3/8 |
| GZ150-25 | 1 1/2 | 1 5/8 - 1 7/8 | 2/0 Solid | 250 MCM | 2 1/2 | 1 1/2 | 4 1/8 | 4 11/16 | 1/2 |
| GZ150-50 | 1 1/2 | 1 5/8- 1 7/8 | 300 MCM | 500 MCM | 2 1/2 | 1 7/8 | 4 3/8 | 5 1/8 | 1/2 |
| GZ200-4 | 2 | 2 - 2 1/2 | 8 Solid | #4 Stranded | 2 13/16 | 1 1/2 | 4 1/16 | 4 1/16 | 3/8 |
| GZ200-13 | 2 | 2 - 2 1/2 | 4 Solid | 2/0 Stranded | 2 13/16 | 1 1/2 | 4 5/16 | 4 1/2 | 3/8 |
| GZ200-25 | 2 | 2 - 2 1/2 | 2/0 Solid | 250 MCM | 2 15/16 | 1 1/2 | 4 11/16 | 5 1/8 | 1/2 |
| GZ200-50 | 2 | 2 - 2 1/2 | 300 MCM | 500 MCM | 2 15/16 | 1 7/8 | 4 15/16 | 5 9/16 | 1/2 |
| GZ250-4 | 2 1/2 | 2 5/8 - 2 7/8 | 8 Solid | #4 Stranded | 3 5/16 | 1 1/2 | 4 3/4 | 4 9/16 | 3/8 |
| GZ250-13 | 2 1/2 | 2 5/8 - 2 7/8 | 4 Solid | 2/0 Stranded | 3 5/16 | 1 1/2 | 5 | 5 | 3/8 |
| GZ250-25 | 2 1/2 | 2 5/8 - 2 7/8 | 2/0 Solid | 250 MCM | 3 7/16 | 1 1/2 | 5 3/8 | 5 5/8 | 1/2 |
| GZ250-50 | 2 1/2 | 2 5/8 - 2 7/8 | 300 MCM | 500 MCM | 3 7/16 | 1 7/8 | 5 5/8 | 6 1/16 | 1/2 |
| GZ300-4 | 3 | 3 1/4 - 3 1/2 | 8 Solid | #4 Stranded | 4 | 1 1/2 | 5 3/8 | 5 3/16 | 3/8 |
| GZ300-13 | 3 | 3 1/4 - 3 1/2 | 4 Solid | 2/0 Stranded | 4 | 1 1/2 | 5 3/8 | 5 5/8 | 3/8 |
| GZ300-25 | 3 | 3 1/4 - 3 1/2 | 2/0 Solid | 250 MCM | 4 1/8 | 1 1/2 | 6 | 6 1/4 | 1/2 |
| GZ300-50 | 3 | 3 1/4 - 3 1/2 | 300 MCM | 500 MCM | 4 1/8 | 1 7/8 | 6 1/4 | 6 11/16 | 1/2 |
| GZ300-75 | 3 | 3 1/4 - 3 1/2 | 500 MCM | 750 MCM | 4 1/4 | 2 1/4 | 6 1/2 | 7 3/16 | 5/8 |
| GZ350-13 | 3 1/2 | 3 3/4 - 4 | 4 Solid | 2/0 Stranded | 4 7/16 | 1 1/2 | 5 13/16 | 6 | 3/8 |
| GZ400-13 | 4 | 4 1/4 - 4 1/2 | 4 Solid | 2/0 Stranded | - | - | - | - | 3/8 |
| GZ400-25 | 4 | 4 1/4 - 4 1/2 | 2/0 Solid | 250 MCM | - | - | - | - | 1/2 |
| GZ400-50 | 4 | 4 1/4 - 4 1/2 | 300 MCM | 500 MCM | - | - | - | - | 1/2 |



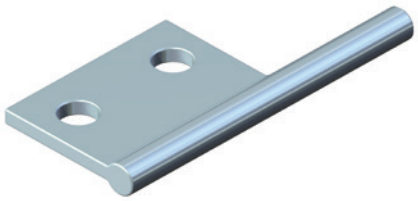


© 2011, AFL, all rights reserved. PP-3-00365, Revision 1, 11.9.18
Specifications are subject to change without notice.

# DOSSERT®

## Type MTRC, MTR2C, and MTR3C

### Multiple Tie Transformer Connector



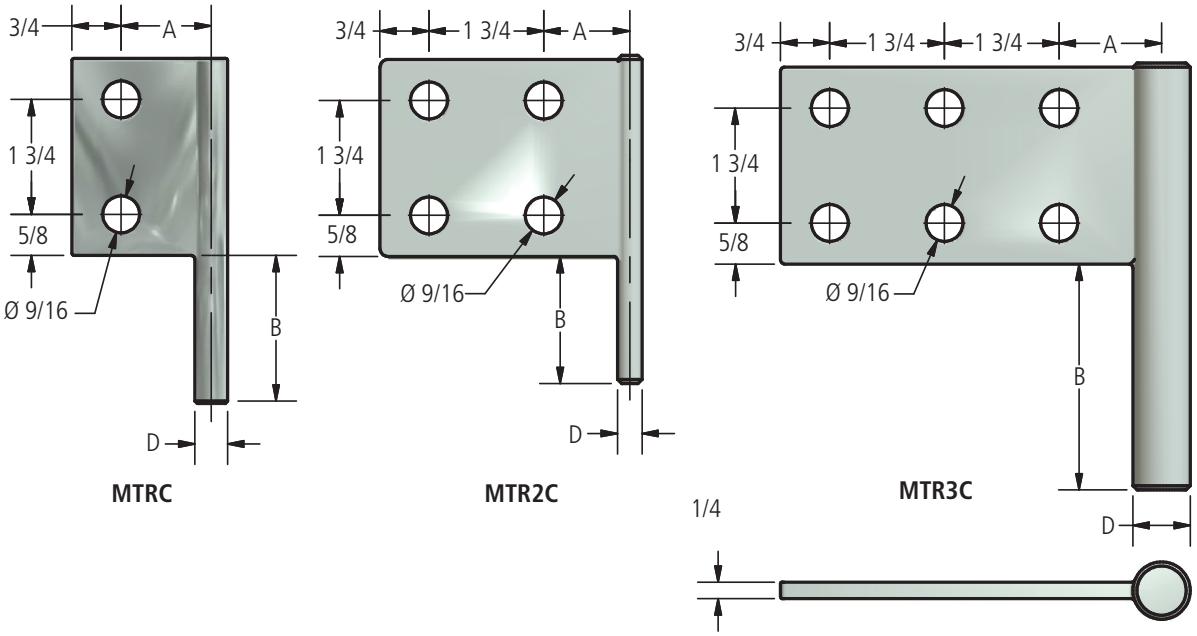
A multiple tie transformer connector which provides a convenient means of connecting a number of cables to a single transformer terminal. Allows maximum conductor sizes to be run directly to the transformer, thereby minimizing voltage drop.

### Material

Tin plated copper

### Hardware

- MTR2C: Four hole NEMA standard drilled contact.
- MTR3C: Six hole NEMA standard drilled contact.




## Ordering Information

| CATALOG NUMBER | | | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|---|
| MTRC | MTR2C | MTR3C | A | B | D |
| MTRC-38 | MTR2C-38 | MTR3C-38 | 1 3/8 | 2 | 3/8 |
| MTRC-56 | MTR2C-56 | MTR3C-56 | 1 1/2 | 2 1/4 | 9/16 |
| MTRC-75 | MTR2C-75 | MTR3C-75 | 1 9/16 | 2 3/4 | 3/4 |
| MTRC-88 | MTR2C-88 | MTR3C-88 | 1 5/8 | 3 1/2 | 7/8 |
| MTRC-112 | MTR2C-112 | MTR3C-112 | 1 3/4 | 4 | 1 1/8 |





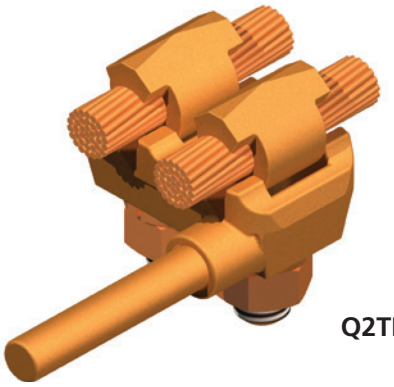
© 2011, AFL, all rights reserved. PP-3-00386, Revision 0, 3.8.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE Q2TE, Q3TE, Q4TE

**Cast Copper multiple tee connector for securing a number of cables to a single transformer terminal.**

A cast type multiple tee connector for securing a number of cables to a single transformer terminal. Each cable clamping position is designed to receive a wide range of conductor sizes. Installation of each cable is simply accomplished by insertion of cable into eyebolt member and tightening nut with a single wrench. Body is of high conductivity copper alloy and eyebolt elements are of high strength bronze with silicon bronze nuts and lockwashers.



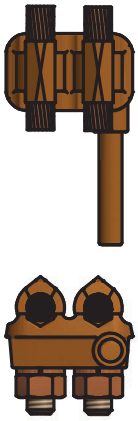
Q2TE

**Material**

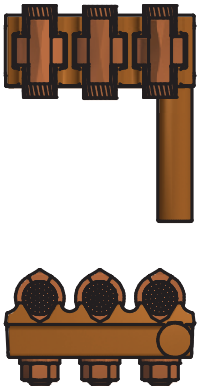
Copper Alloy

**Hardware**

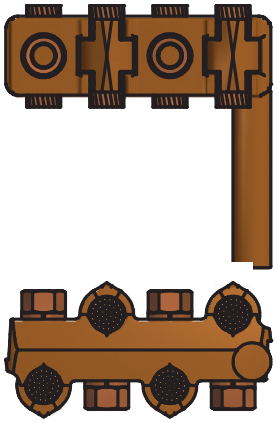
Everdur nut and lockwashers.



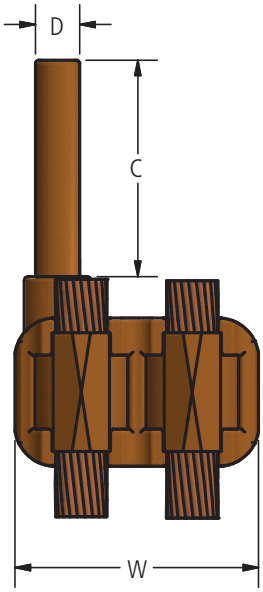
Q2TE

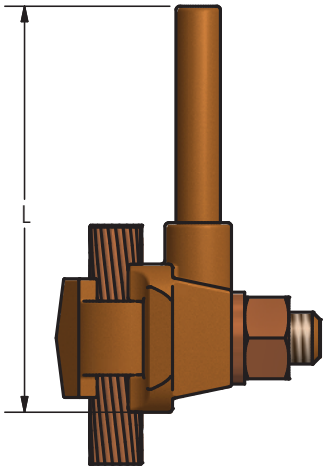


Q3TE



Q4TE








© 2011, AFL, all rights reserved. PP-3-00423, Revision 0, 3.8.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE Q2TE, Q3TE, Q4TE

**Cast Copper multiple tee connector for securing a number of cables to a single transformer terminal.**

### Ordering Information

| CATALOG NUMBER | CABLE RANGE | DIMENSIONS IN INCHES | | | |
|---|---|---|---|---|---|
| | | C | D | L | W |
| Q2TE-13 | 8 Solid- 2/0 Stranded | 2 | 3/8 | 3 5/8 | 2 1/8 |
| Q3TE-13 | 8 Solid- 2/0 Stranded | 2 | 3/8 | 3 5/8 | 3 1/4 |
| Q4TE-13 | 8 Solid- 2/0 Stranded | 2 | 3/8 | 3 5/8 | 3 3/4 |
| Q2TE-25 | 6 Solid- 250 kcmil | 2 1/4 | 9/16 | 4 1/8 | 2 5/8 |
| Q3TE-25 | 6 Solid- 250 kcmil | 2 1/4 | 9/16 | 4 1/8 | 3 7/8 |
| Q4TE-25 | 6 Solid- 250 kcmil | 2 1/4 | 9/16 | 4 1/8 | 4 1/2 |
| Q2TE-35 | 2 Solid- 350 kcmil | 2 3/4 | 3/4 | 4 1/2 | 2 3/4 |
| Q3TE-35 | 2 Solid- 350 kcmil | 2 3/4 | 3/4 | 4 1/2 | 4 1/8 |
| Q4TE-35 | 2 Solid- 350 kcmil | 2 3/4 | 3/4 | 4 1/2 | 4 7/8 |
| Q2TE-50 | 1/0 Solid- 500 kcmil | 3 1/2 | 7/8 | 5 3/4 | 3 1/8 |
| Q3TE-50 | 1/0 Solid- 500 kcmil | 3 1/2 | 7/8 | 5 3/4 | 4 7/8 |
| Q4TE-50 | 1/0 Solid- 500 kcmil | 3 1/2 | 7/8 | 5 3/4 | 5 7/8 |
| Q2TE-100 | 2/0 Solid- 1000 kcmil | 4 | 1 1/8 | 6 3/8 | 4 |
| Q3TE-100 | 2/0 Solid- 1000 kcmil | 4 | 1 1/8 | 6 3/8 | 5 7/8 |
| Q4TE-100 | 2/0 Solid- 1000 kcmil | 4 | 1 1/8 | 6 3/8 | 7 5/8 |





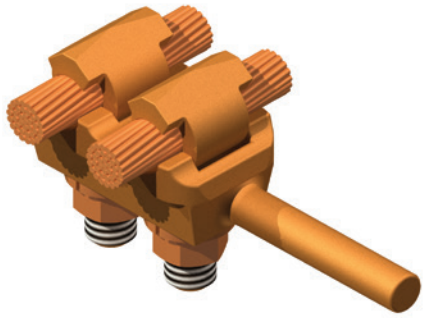
© 2011, AFL, all rights reserved. PP-3-00423, Revision 0, 3.8.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE Q2TS, Q3TS, Q4TS

**Cast Copper multiple tee connector for securing a number of cables to a single transformer terminal.**

A cast type multiple tee connector for securing a number of cables to a single transformer terminal. Each cable clamping position is designed to receive a wide range of conductor sizes. Installation of each cable is simply accomplished by insertion of cable into eyebolt member and tightening nut with a single wrench. Body is of high conductivity copper alloy and eyebolt elements are of high strength bronze with silicon bronze nuts and lockwashers.



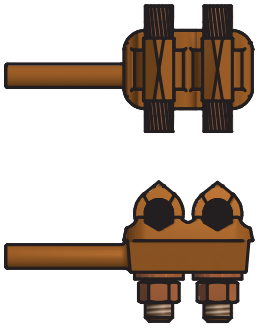
Q2TS

**Material**

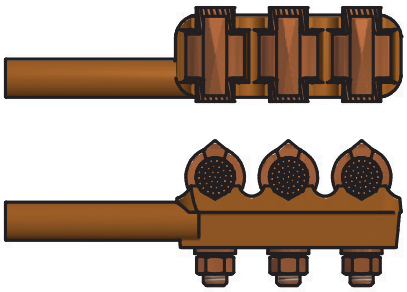
Copper Alloy

**Hardware**

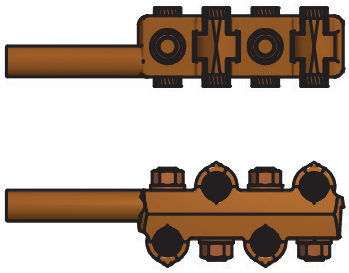
Everdur nut and lockwashers.



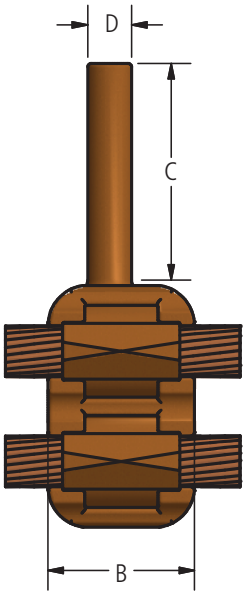
Q2TS

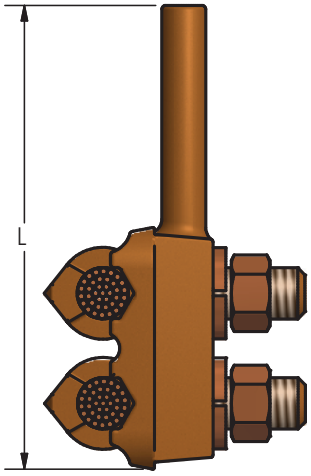


Q3TS



Q4TS






© 2011, AFL, all rights reserved. PP-3-00424, Revision 1, 1.5.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE Q2TS, Q3TS, Q4TS

**Cast Copper multiple tee connector for securing a number of cables to a single transformer terminal.**

### Ordering Information

| CATALOG NUMBER | CABLE RANGE | DIMENSIONS IN INCHES | | | |
|---|---|---|---|---|---|
| | | B | C | D | L |
| Q2TS-13 | 8 Solid- 2/0 Stranded | 1 1/2 | 2 | 3/8 | 4 3/8 |
| Q3TS-13 | 8 Solid- 2/0 Stranded | 1 1/2 | 2 | 3/8 | 5 1/4 |
| Q4TS-13 | 8 Solid- 2/0 Stranded | 1 1/2 | 2 | 3/8 | 6 1/8 |
| Q2TS-25 | 6 Solid- 250 kcmil | 1 5/8 | 2 1/4 | 9/16 | 5 |
| Q3TS-25 | 6 Solid- 250 kcmil | 1 5/8 | 2 1/4 | 9/16 | 6 3/8 |
| Q4TS-25 | 6 Solid- 250 kcmil | 1 5/8 | 2 1/4 | 9/16 | 7 1/8 |
| Q2TS-35 | 2 Solid- 350 kcmil | 1 11/16 | 2 3/4 | 3/4 | 5 |
| Q3TS-35 | 2 Solid- 350 kcmil | 1 11/16 | 2 3/4 | 3/4 | 6 3/8 |
| Q4TS-35 | 2 Solid- 350 kcmil | 1 11/16 | 2 3/4 | 3/4 | 7 1/8 |
| Q2TS-50 | 1/0 Solid- 500 kcmil | 1 3/4 | 4 | 7/8 | 7 1/4 |
| Q3TS-50 | 1/0 Solid- 500 kcmil | 2 1/8 | 3 1/2 | 7/8 | 8 1/2 |
| Q4TS-50 | 1/0 Solid- 500 kcmil | 2 1/8 | 3 1/2 | 7/8 | 9 1/8 |
| Q2TS-100 | 2/0 Solid- 1000 kcmil | 2 1/4 | 4 | 1 1/8 | 8 1/8 |
| Q3TS-100 | 2/0 Solid- 1000 kcmil | 2 1/4 | 4 | 1 1/8 | 10 1/8 |
| Q4TS-100 | 2/0 Solid- 1000 kcmil | 2 1/4 | 4 | 1 1/8 | 11 7/8 |

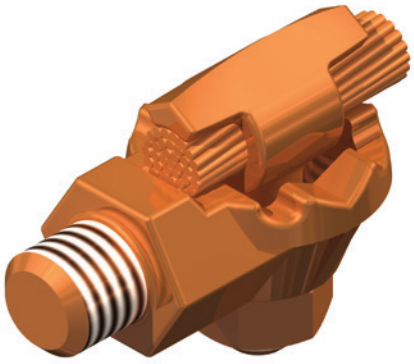


© 2011, AFL, all rights reserved. PP-3-00424, Revision 1, 1.5.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE TGC

### Grounding Connector For Cable To Transformer Ground Pad



This connector is designed for transformer grounding pads. Connector stud possesses a slight taper to insure sound electrical contact without need for locking devices. Designed specifically for use on all standard EE-1-NEMA distribution transformers.

### Material

Copper Alloy

### Hardware

Everdur nuts and lockwashers

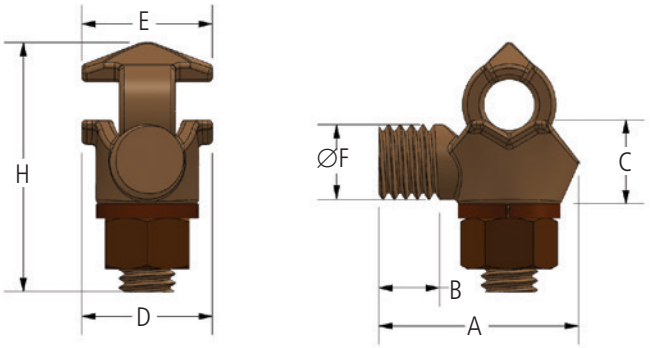



FIG. 1

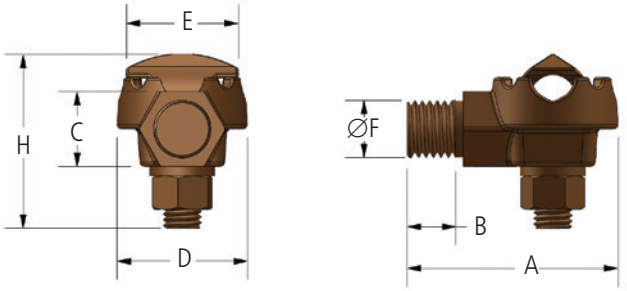



FIG. 2

## Ordering Information

| CATALOG NO. | FIG. NO. | ACSR RANGE | | DIMENSIONS IN INCHES | | | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MIN | MAX | A | B | C | D | E | F | H | |
| TGC8-50 | 1 | #10 SOL | #1 STR | 1 3/8 | 11/32 | 9/16 | 7/8 | 7/8 | 1/2"-13 | 1 5/8 | 3/8 |
| TGC13-50P | 2 | #8 SOL | 2/0 STR | 2 11/16 | 3/8 | 3/4 | 1 13/64 | 1 1/8 | 1/2"-13 | 1 4/5 | 3/8 |
| TGC25-50 | 2 | #6 STR | 250 MCM | 2 3/8 | 3/8 | 3/4 | 1 9/16 | 1 1/2 | 1/2"-13 | 2 11/32 | 1/2 |
| TGC25-75 | 2 | #6 STR | 250 MCM | 2 13/16 | 21/32 | 1 | 1 3/4 | 1 1/2 | 3/4"-10 | 2 11/32 | 1/2 |





© 2011, AFL, all rights reserved. PP-3-00476, Revision 1, 1.30.19
Specifications are subject to change without notice.

# DOSSERT®

## TYPE HSC, HS2C, HS3C

**Copper Stud Connector for Cable or Wire. HSC connects one conductor to a stud, HS2C connects two conductors to a stud, and HS3C connects three conductors to a stud.**

A HERCULON™ variable type connector for joining a cable or a wire to a threaded stud. The stud end of the connector can also be furnished to accommodate a plain stud or pipe.

### Material

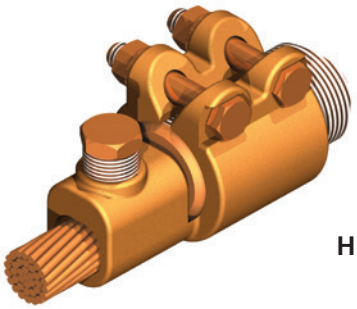
Copper Alloy

### Hardware

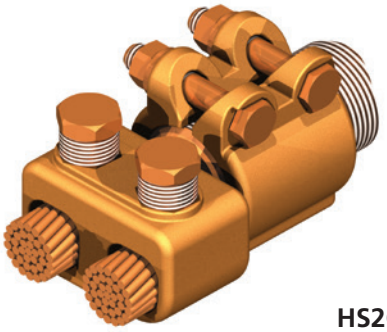
Everdur bolts, nuts and lockwashers

### Notes

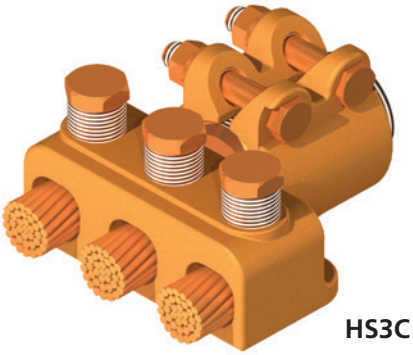
- Other sizes of studs and various threads to the inch can be promptly furnished.
- For two 500 MCM cables to a .75" T16 stud order HS2C75-50-T16
- For three 500 MCM cables to a .75" T16 stud order HS3C75-50-T16
- For two 500 MCM cables to a .75" T0 stud order HS2C75-50-T0



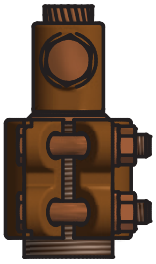
HSC



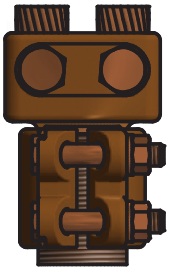
HS2C



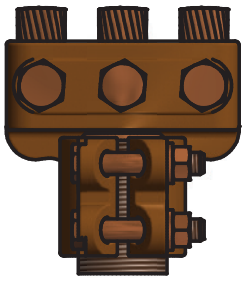
HS3C



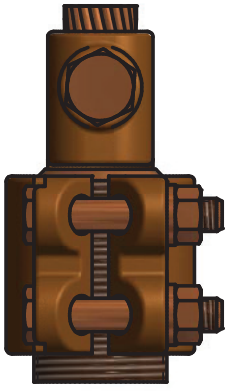
HSC

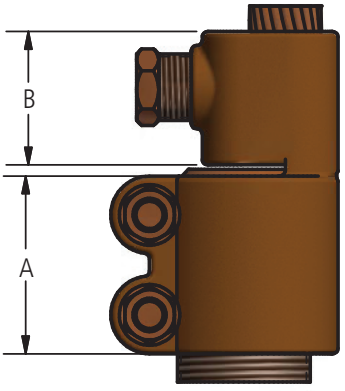


HS2C



HS3C










© 2011, AFL, all rights reserved. PP-3-00376, Revision 1, 8.7.13
Specifications are subject to change without notice.

# DOSSERT®

## TYPE HSC, HS2C, HS3C

**Copper Stud Connector for Cable or Wire. HSC connects one conductor to a stud, HS2C connects two conductors to a stud, and HS3C connects three conductors to a stud.**

## Ordering Information

| CATALOG NUMBER | | | STUD DIA | THREADS PER INCH | CABLE RANGE | | DIMENSIONS IN INCHES | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|
| HSC | HS2C | HS3C | | | MIN | MAX | A | B | |
| HSC50-4-T13 | HS2C50-4-T13 | HS3C50-4-T13 | 1/2 | 13 | 8 Solid | 4 Stranded | 2 | 5/8 | 3/8 |
| HSC50-8-T13 | HS2C50-8-T13 | HS3C50-8-T13 | 1/2 | 13 | 4 Solid | 1 Stranded | 2 | 7/8 | 3/8 |
| HSC50-13-T13 | HS2C50-13-T13 | HS3C50-13-T13 | 1/2 | 13 | 1 Stranded | 2/0 Stranded | 2 | 1 | 3/8 |
| HSC50-21-T13 | HS2C50-21-T13 | HS3C50-21-T13 | 1/2 | 13 | 2/0 Stranded | 4/0 Stranded | 2 | 1 1/8 | 3/8 |
| HSC63-13-T18 | HS2C63-13-T18 | HS3C63-13-T18 | 5/8 | 18 | 1 Stranded | 2/0 Stranded | 2 | 1 | 3/8 |
| HSC63-21-T18 | HS2C63-21-T18 | HS3C63-21-T18 | 5/8 | 18 | 2/0 Stranded | 4/0 Stranded | 2 | 1 1/8 | 3/8 |
| HSC63-30-T18 | HS2C63-30-T18 | HS3C63-30-T18 | 5/8 | 18 | 4/0 Stranded | 300 MCM | 2 | 1 9/32 | 3/8 |
| HSC75-13-T16 | HS2C75-13-T16 | HS3C75-13-T16 | 3/4 | 16 | 1 Stranded | 2/0 Stranded | 2 | 1 | 3/8 |
| HSC75-21-T16 | HS2C75-21-T16 | HS3C75-21-T16 | 3/4 | 16 | 2/0 Stranded | 4/0 Stranded | 2 | 1 1/8 | 3/8 |
| HSC75-30-T16 | HS2C75-30-T16 | HS3C75-30-T16 | 3/4 | 16 | 4/0 Stranded | 300 MCM | 2 | 1 9/32 | 3/8 |
| HSC75-50-T16 | HS2C75-50-T16 | HS3C75-50-T16 | 3/4 | 16 | 300 MCM | 500 MCM | 2 | 1 1/2 | 3/8 |
| HSC100-13-T14 | HS2C100-13-T14 | HS3C100-13-T14 | 1 | 14 | 1 Stranded | 2/0 Stranded | 2 | 1 | 3/8 |
| HSC100-21-T14 | HS2C100-21-T14 | HS3C100-21-T14 | 1 | 14 | 2/0 Stranded | 4/0 Stranded | 2 | 1 1/8 | 3/8 |
| HSC100-30-T14 | HS2C100-30-T14 | HS3C100-30-T14 | 1 | 14 | 4/0 Stranded | 300 MCM | 2 | 1 9/32 | 3/8 |
| HSC100-50-T14 | HS2C100-50-T14 | HS3C100-50-T14 | 1 | 14 | 300 MCM | 500 MCM | 2 | 1 1/2 | 3/8 |
| HSC100-75-T14 | HS2C100-75-T14 | HS3C100-75-T14 | 1 | 14 | 500 MCM | 750 MCM | 2 | 1 5/8 | 3/8 |
| HSC125-21-T12 | HS2C125-21-T12 | HS3C125-21-T12 | 1 1/4 | 12 | 2/0 Stranded | 4/0 Stranded | 2 | 1 1/8 | 3/8 |
| HSC125-30-T12 | HS2C125-30-T12 | HS3C125-30-T12 | 1 1/4 | 12 | 4/0 Stranded | 300 MCM | 2 | 1 9/32 | 3/8 |
| HSC125-50-T12 | HS2C125-50-T12 | HS3C125-50-T12 | 1 1/4 | 12 | 300 MCM | 500 MCM | 2 | 1 1/2 | 3/8 |
| HSC125-75-T12 | HS2C125-75-T12 | HS3C125-75-T12 | 1 1/4 | 12 | 500 MCM | 750 MCM | 2 | 1 5/8 | 3/8 |
| HSC125-100-T12 | HS2C125-100-T12 | HS3C125-100-T12 | 1 1/4 | 12 | 750 MCM | 1000 MCM | 2 3/4 | 1 15/16 | 1/2 |
| HSC150-30-T12 | HS2C150-30-T12 | HS3C150-30-T12 | 1 1/2 | 12 | 4/0 Stranded | 300 MCM | 2 | 1 9/32 | 3/8 |
| HSC150-50-T12 | HS2C150-50-T12 | HS3C150-50-T12 | 1 1/2 | 12 | 300 MCM | 500 MCM | 2 | 1 1/2 | 3/8 |
| HSC150-75-T12 | HS2C150-75-T12 | HS3C150-75-T12 | 1 1/2 | 12 | 500 MCM | 750 MCM | 2 | 1 5/8 | 3/8 |
| HSC150-100-T12 | HS2C150-100-T12 | HS3C150-100-T12 | 1 1/2 | 12 | 750 MCM | 1000 MCM | 2 3/4 | 1 15/16 | 1/2 |



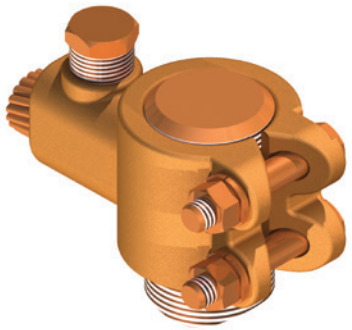


© 2011, AFL, all rights reserved. PP-3-00376, Revision 1, 8.7.13
Specifications are subject to change without notice.

# DOSSERT®

## TYPE HSC-90

### Copper Stud Connector for Cable or Wire



A HERCULON™ variable type connector for joining a cable or a wire to a threaded stud. The stud end of the connector can also be furnished to accommodate a plain stud or pipe.

### Material

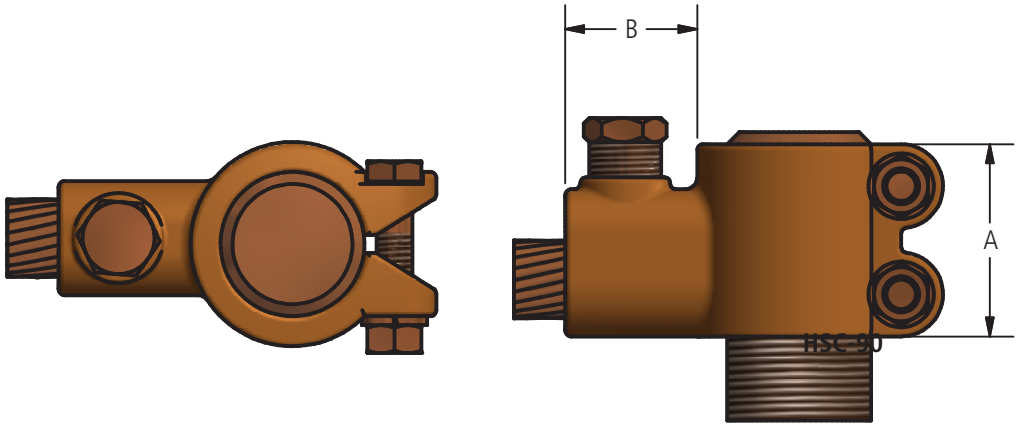
Cast Copper Alloy

### Hardware

Everdur bolts, nuts and lockwashers

### Notes

- Other sizes of studs and various threads to the inch can be promptly furnished.
- For a 500 MCM cables to a .75" T16 stud at 90° order HSC75-50-90-T16
- For a 500 MCM cable to a .75" T0 stud at 90° order HSC75-50-90-T0




## Ordering Information

| CATALOG NUMBER | STUD DIA | THREADS PER INCH | CABLE RANGE | | DIMENSIONS IN INCHES | | BOLT SIZE |
|---|---|---|---|---|---|---|---|
| | | | MIN | MAX | A | B | |
| HSC50-4-90-T13 | 1/2 | 13 | 8 Solid | 4 Stranded | 2 | 5/8 | 3/8 |
| HSC50-8-90-T13 | 1/2 | 13 | 4 Solid | 1 Stranded | 2 | 7/8 | 3/8 |
| HSC50-13-90-T13 | 1/2 | 13 | 1 Stranded | 2/0 Stranded | 2 | 1 | 3/8 |
| HSC50-21-90-T13 | 1/2 | 13 | 2/0 Stranded | 4/0 Stranded | 2 | 1 1/8 | 3/8 |
| HSC63-13-90-T18 | 5/8 | 18 | 1 Stranded | 2/0 Stranded | 2 | 1 | 3/8 |
| HSC63-21-90-T18 | 5/8 | 18 | 2/0 Stranded | 4/0 Stranded | 2 | 1 1/8 | 3/8 |
| HSC63-30-90-T18 | 5/8 | 18 | 4/0 Stranded | 300 MCM | 2 | 1 9/32 | 3/8 |
| HSC75-13-90-T16 | 3/4 | 16 | 1 Stranded | 2/0 Stranded | 2 | 1 | 3/8 |
| HSC75-21-90-T16 | 3/4 | 16 | 2/0 Stranded | 4/0 Stranded | 2 | 1 1/8 | 3/8 |
| HSC75-30-90-T16 | 3/4 | 16 | 4/0 Stranded | 300 MCM | 2 | 1 9/32 | 3/8 |
| HSC75-50-90-T16 | 3/4 | 16 | 300 MCM | 500 MCM | 2 | 1 1/2 | 3/8 |
| HSC100-13-90-T14 | 1 | 14 | 1 Stranded | 2/0 Stranded | 2 | 1 | 3/8 |
| HSC100-21-90-T14 | 1 | 14 | 2/0 Stranded | 4/0 Stranded | 2 | 1 1/8 | 3/8 |
| HSC100-30-90-T14 | 1 | 14 | 4/0 Stranded | 300 MCM | 2 | 1 9/32 | 3/8 |
| HSC100-50-90-T14 | 1 | 14 | 300 MCM | 500 MCM | 2 | 1 1/2 | 3/8 |
| HSC100-75-90-T14 | 1 | 14 | 500 MCM | 750 MCM | 2 | 1 5/8 | 3/8 |
| HSC125-21-90-T12 | 1 1/4 | 12 | 2/0 Stranded | 4/0 Stranded | 2 | 1 1/8 | 3/8 |
| HSC125-30-90-T12 | 1 1/4 | 12 | 4/0 Stranded | 300 MCM | 2 | 1 9/32 | 3/8 |
| HSC125-50-90-T12 | 1 1/4 | 12 | 300 MCM | 500 MCM | 2 | 1 1/2 | 3/8 |
| HSC125-75-90-T12 | 1 1/4 | 12 | 500 MCM | 750 MCM | 2 | 1 5/8 | 3/8 |
| HSC125-100-90-T12 | 1 1/4 | 12 | 750 MCM | 1000 MCM | 2 3/4 | 1 15/16 | 1/2 |
| HSC150-30-90-T12 | 1 1/2 | 12 | 4/0 Stranded | 300 MCM | 2 | 1 9/32 | 3/8 |
| HSC150-50-90-T12 | 1 1/2 | 12 | 300 MCM | 500 MCM | 2 | 1 1/2 | 3/8 |
| HSC150-75-90-T12 | 1 1/2 | 12 | 500 MCM | 750 MCM | 2 | 1 5/8 | 3/8 |
| HSC150-100-90-T12 | 1 1/2 | 12 | 750 MCM | 1000 MCM | 2 3/4 | 1 15/16 | 1/2 |



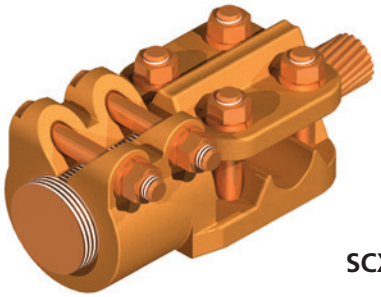


© 2011, AFL, all rights reserved. PP-3-00377, Revision 1, 8.5.13
Specifications are subject to change without notice.

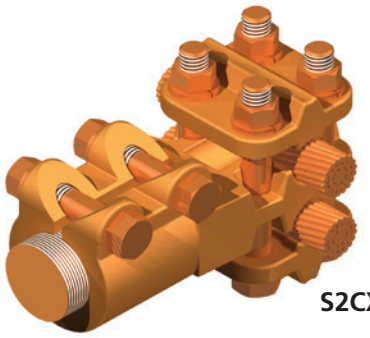
# TYPE SCX, S2CX

## Copper Stud Connector for Cable

SCX connects one cable to one stud and S2CX connects two cables on one stud. A variable conductor stud connector which takes a wide range of cable sizes in line or in a 90° position. The reversible cap permits optimum clamping for all cable sizes within the assigned ranges. In addition, one flat surface on SCX can be machined to accommodate flat bar conductors. SCX can be furnished upon request in type SCX-N with bolt holes to accommodate NEMA standard bar drilling.



SCX



S2CX

### Material

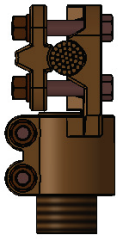
Copper Alloy

### Hardware

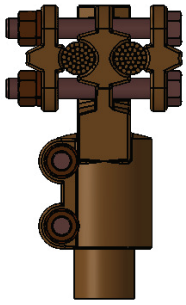
Everdur bolts, nuts and lockwashers

### Note

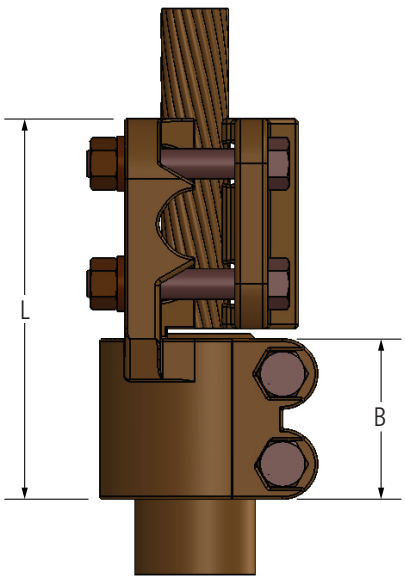
- For a 1" T14 stud, and two 1000 MCM cables order S2CX100-100-T14

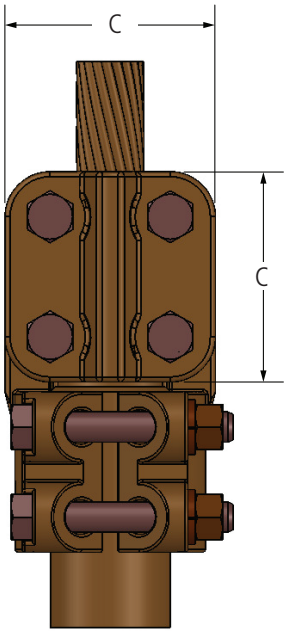


SCX



S2CX




continued

© 2011, AFL, all rights reserved. PP-3-00451, Revision 8, 11.7.2025
Specifications are subject to change without notice.

# TYPE SCX, S2CX

## Copper Stud Connector for Cable

### Ordering Information

| Catalog Numbers | STUD DIA. | THREADS PER INCH | CABLE RANGE | | SPS RANGE | | DIMENSIONS IN INCHES | | | BOLT SIZE | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SMALL GROOVE | LARGE GROOVE | SMALL GROOVE | LARGE GROOVE | B | C | L | STUD | TAP |
| SCX50-21-T13 | 1/2 | 13 | 6 Sol.-1 Stranded | 1 Stranded-4/0 | - | - | 2 | 2 | 4 5/8 | 3/8 | 3/8 |
| SCX75-21-T16 | 3/4 | 16 | 6 Sol.-1 Stranded | 1 Stranded-4/0 | - | - | 2 | 2 | 4 5/8 | 3/8 | 3/8 |
| SCX75-50-T16 | 3/4 | 16 | 6 Solid-4/0 | 4/0-500 MCM | 3/8 | 1/2 | 2 | 2 1/4 | 4 7/8 | 3/8 | 5/8 |
| SCX75-100-T16 | 3/4 | 16 | 2 Solid-350 MCM | 350 MCM-1000 MCM | 3/8 | 3/4 | 2 | 2 1/2 | 5 1/8 | 3/8 | 3/8 |
| SCX100-50-T12 | 1 | 12 | 6 Solid-4/0 | 4/0-500 MCM | 3/8 | 1/2 | 2 | 2 1/4 | 4 7/8 | 3/8 | 3/8 |
| SCX100-50-T14 | 1 | 14 | 6 Solid-4/0 | 4/0-500 MCM | 3/8 | 1/2 | 2 | 2 1/4 | 4 7/8 | 3/8 | 3/8 |
| SCX100-50-T0 | 1 | 0 | 6 Solid-4/0 | 4/0-500 MCM | 3/8 | 1/2 | 2 | 2 1/4 | 4 7/8 | 3/8 | 3/8 |
| SCX100-100-T12 | 1 | 12 | 2 Solid-350 MCM | 350 MCM-1000 MCM | 3/8 | 3/4 | 2 1/2 | 2 7/8 | 6 3/8 | 1/2 | 1/2 |
| SCX100-100-T14 | 1 | 14 | 2 Solid-350 MCM | 350 MCM-1000 MCM | 3/8 | 3/4 | 2 1/2 | 2 7/8 | 6 3/8 | 1/2 | 1/2 |
| SCX112-50-T12 | 1 1/8 | 12 | 6 Solid-4/0 | 4/0-500 MCM | 3/8 | 1/2 | 2 | 2 1/4 | 4 7/8 | 3/8 | 3/8 |
| SCX112-100-T12 | 1 1/8 | 12 | 2 Solid-350 MCM | 350 MCM-1000 MCM | 3/8 | 3/4 | 2 3/4 | 2 7/8 | 6 | 1/2 | 1/2 |
| SCX112-200-T12 | 1 1/8 | 12 | 4/0-795 MCM | 795 MCM-2000 MCM | 3/8 | 1 1/4 | 2 3/4 | 3 3/8 | 6 3/4 | 1/2 | 1/2 |
| SCX118-200-T0 | 1 3/16 | 0 | 4/0-900 MCM | 900 MCM-2000 MCM | 3/8 | 1 1/4 | 2 3/4 | 3 3/8 | 6 5/8 | 1/2 | 1/2 |
| SCX125-50-T12 | 1 1/4 | 12 | 6 Solid-4/0 | 4/0-500 MCM | 3/8 | 1/2 | 2 | 2 1/4 | 4 7/8 | 3/8 | 3/8 |
| SCX125-100-T12 | 1 1/4 | 12 | 2 Solid-350 MCM | 350 MCM-1000 MCM | 3/8 | 3/4 | 2 3/4 | 2 7/8 | 6 3/8 | 1/2 | 1/2 |
| SCX125-200-T12 | 1 1/4 | 12 | 2 Solid-350 MCM | 900 MCM-2000 MCM | 3/8 | 1 1/4 | 2 3/4 | 3 3/8 | 6 5/8 | 1/2 | 1/2 |
| SCX150-50-T12 | 1 1/2 | 12 | 6 Solid-4/0 | 4/0-500 MCM | 3/8 | 1/2 | 2 | 2 1/4 | 4 7/8 | 3/8 | 3/8 |
| SCX150-100-T12 | 1 1/2 | 12 | 2 Solid-350 MCM | 350 MCM-1000 MCM | 3/8 | 3/4 | 2 3/4 | 2 7/8 | 6 3/8 | 1/2 | 1/2 |
| SCX150-200-T12 | 1 1/2 | 12 | 4/0-900 MCM | 900 MCM-2000 MCM | 3/8 | 1 1/4 | 2 3/4 | 3 3/8 | 6 3/4 | 1/2 | 1/2 |
| SCX175-50-T12 | 1 3/4 | 12 | 6 Solid-4/0 | 4/0-500 MCM | 3/8 | 1/2 | 2 | 2 1/4 | 4 5/8 | 3/8 | 3/8 |
| SCX175-100-T12 | 1 3/4 | 12 | 2 Solid-350 MCM | 350 MCM-1000 MCM | 3/8 | 3/4 | 2 3/4 | 2 7/8 | 6 1/2 | 1/2 | 1/2 |
| SCX175-200-T12 | 1 3/4 | 12 | 4/0-900 MCM | 900 MCM-2000 MCM | 3/8 | 1 1/4 | 2 3/4 | 3 3/8 | 6 5/8 | 1/2 | 1/2 |
| SCX200-50-T12 | 2 | 12 | 6 Solid-4/0 | 4/0-500 MCM | 3/8 | 1/2 | 2 1/4 | 2 1/4 | 5 1/4 | 3/8 | 3/8 |
| SCX200-100-T12 | 2 | 12 | 2 Solid-350 MCM | 350 MCM-1000 MCM | 3/8 | 3/4 | 2 3/4 | 2 7/8 | 6 | 1/2 | 1/2 |
| SCX200-200-T12 | 2 | 12 | 4/0-900 MCM | 900 MCM-2000 MCM | 3/8 | 1 1/4 | 2 3/4 | 3 3/8 | 6 5/8 | 1/2 | 1/2 |
| SCX225-50-T12 | 2 1/4 | 12 | 6 Solid-4/0 | 4/0-500 MCM | 3/8 | 1/2 | 2 | 2 1/4 | 4 5/8 | 3/8 | 3/8 |
| SCX225-100-T12 | 2 1/4 | 12 | 2 Solid-350 MCM | 350 MCM-1000 MCM | 3/8 | 3/4 | 2 3/4 | 2 7/8 | 6 | 1/2 | 1/2 |
| SCX225-200-T12 | 2 1/4 | 12 | 4/0-900 MCM | 900 MCM-2000 MCM | 3/8 | 1 1/4 | 2 3/4 | 3 3/8 | 6 5/8 | 1/2 | 1/2 |
| SCX250-50-T12 | 2 1/2 | 12 | 6 Solid-4/0 | 4/0-500 MCM | 3/8 | 1/2 | 2 | 2 1/4 | 4 5/8 | 3/8 | 3/8 |
| SCX250-100-T12 | 2 1/2 | 12 | 2 Solid-350 MCM | 350 MCM-1000 MCM | 3/8 | 3/4 | 2 3/4 | 2 7/8 | 6 | 1/2 | 1/2 |
| SCX250-200-T12 | 2 1/2 | 12 | 4/0-900 MCM | 900 MCM-2000 MCM | 3/8 | 1 1/4 | 2 3/4 | 3 3/8 | 6 5/8 | 1/2 | 1/2 |
| SCX300-50-T12 | 3 | 12 | 6 Solid-4/0 | 4/0-500 MCM | 3/8 | 1/2 | 2 | 2 1/4 | 4 5/8 | 5/8 | 3/8 |
| SCX300-100-T12 | 3 | 12 | 2 Solid-350 MCM | 350 MCM-1000 MCM | 3/8 | 3/4 | 2 3/4 | 2 7/8 | 6 | 5/8 | 1/2 |
| SCX300-200-T12 | 3 | 12 | 4/0-900 MCM | 900 MCM-2000 MCM | 3/8 | 1 1/4 | 2 3/4 | 3 3/8 | 6 5/8 | 5/8 | 1/2 |

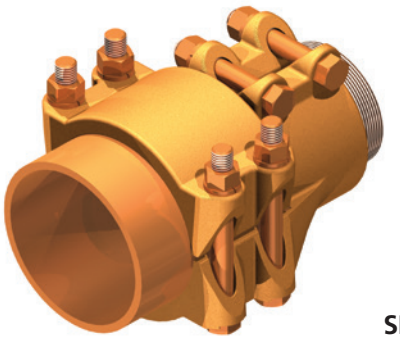
© 2011, AFL, all rights reserved. PP-3-00451, Revision 8, 11.7.2025
Specifications are subject to change without notice.

# DOSSERT®

## TYPE SP, SP-90

### Stud Connector For Tube To Threaded Stud

A connector for joining a tubular bus conductor to a threaded stud. The stud end can be threaded to any specified number of threads per inch or bored for an unthreaded stud.



SP

### Material

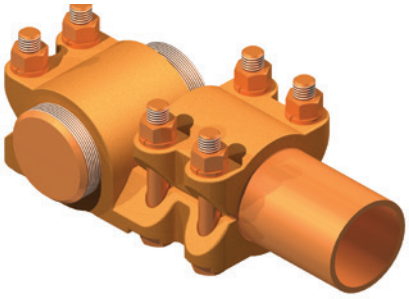
Copper Alloy

### Hardware

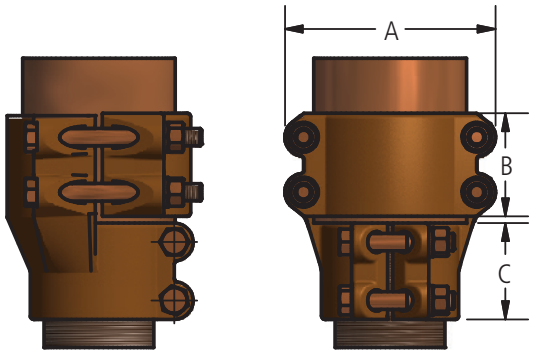
Everdur bolts, nuts and lockwashers

### Notes

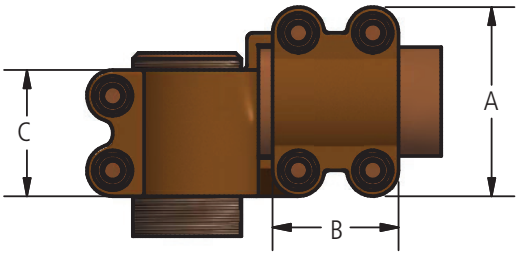
- For Stud threads not listed, add suffix 'T' and the number of threads per inch to category number. Ex: For a 1 1/8" stud to a 1 1/4" bus, 90°, without threads order SP112-125-T0-90.
- For a 1 1/8" stud to a 1 1/4" bus, straight , without threads, order SP112-125-T0.



SP-90




SP




SP-90

## Ordering Information

| CATALOG NUMBER | | STUD DIAMETER | THREADS PER INCH | SPS | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|
| SP | SP-90 | | | | A | B | C | |
| SP50-50-T13 | SP50-50-T13-90 | 1/2 | 13 | 1/2 | 2 1/4 | 2 | 2 | 3/8 |
| SP50-75-T13 | SP50-75-T13-90 | 1/2 | 13 | 3/4 | 2 7/16 | 2 | 2 | 3/8 |
| SP50-10-T13 | SP50-10-T13-90 | 1/2 | 13 | 1 | 2 11/16 | 2 1/8 | 2 | 3/8 |
| SP75-50-T16 | SP75-50-T16-90 | 3/4 | 16 | 1/2 | 2 1/4 | 2 | 2 | 3/8 |
| SP75-75-T16 | SP75-75-T16-90 | 3/4 | 16 | 3/4 | 2 7/16 | 2 | 2 | 3/8 |
| SP75-100-T16 | SP75-100-T16-90 | 3/4 | 16 | 1 | 2 11/16 | 2 1/8 | 2 | 3/8 |
| SP75-125-T16 | SP75-125-T16-90 | 3/4 | 16 | 1 1/4 | 3 7/16 | 2 1/2 | 2 1/4 | 1/2 |
| SP75-150-T16 | SP75-150-T16-90 | 3/4 | 16 | 1 1/2 | 3 5/8 | 2 5/8 | 2 1/4 | 1/2 |
| SP100-50-T14 | SP100-50-T14-90 | 1 | 14 | 1/2 | 2 1/4 | 2 | 2 | 3/8 |
| SP100-75-T14 | SP100-75-T14-90 | 1 | 14 | 3/4 | 2 7/16 | 2 | 2 | 3/8 |
| SP100-100-T14 | SP100-100-T14-90 | 1 | 14 | 1 | 2 11/16 | 2 1/8 | 2 | 3/8 |
| SP100-125-T14 | SP100-125-T14-90 | 1 | 14 | 1 1/4 | 3 7/16 | 2 1/2 | 2 1/4 | 1/2 |
| SP100-150-T14 | SP100-150-T14-90 | 1 | 14 | 1 1/2 | 3 5/8 | 2 5/8 | 2 1/4 | 1/2 |
| SP100-200-T14 | SP100-200-T14-90 | 1 | 14 | 2 | 4 1/8 | 2 3/4 | 2 1/4 | 1/2 |
| SP112-50-T12 | SP112-50-T12-90 | 1 1/8 | 12 | 1/2 | 2 1/4 | 2 | 2 | 3/8 |
| SP112-75-T12 | SP112-75-T12-90 | 1 1/8 | 12 | 3/4 | 2 7/16 | 2 | 2 | 3/8 |
| SP112-100-T12 | SP112-100-T12-90 | 1 1/8 | 12 | 1 | 2 11/16 | 2 1/8 | 2 | 3/8 |
| SP112-125-T12 | SP112-125-T12-90 | 1 1/8 | 12 | 1 1/4 | 3 7/16 | 2 1/2 | 2 1/4 | 1/2 |
| SP125-200-T12 | SP125-200-T12-90 | 1 1/4 | 12 | 2 | 4 1/8 | 2 3/4 | 2 3/4 | 1/2 |





© 2011, AFL, all rights reserved. PP-3-00460, Revision 1, 1.25.18
Specifications are subject to change without notice.

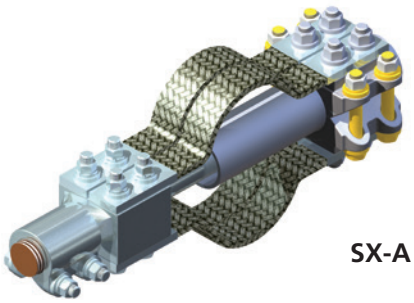
# DOSSERT®

## TYPE SX-A, SX-A-90

### Stud Expansion Connector for Pipe

**Both SX-A and SX-A-90 connect copper stud to aluminum bus.**

An expansion stud connector for joining a tubular bus to a threaded or unthreaded, transformer or terminal, stud. The movements of the conductors caused by thermal expansion and contraction or settling foundations are efficiently absorbed by the flexible braided linkages. Type SX is furnished with an alignment guide for connections where axial alignment is required.



SX-A

### Material

Stud - Copper Alloy

Bus - Aluminum Alloy

### Hardware

See image

### Notes

For a 90 degree stud connector add -90 to the Catalog Number. EX. For at 1"-T14 stud to 1in SPS connector with 90 degree stud connector order: SX100-100A-T14-90




FIG. 1

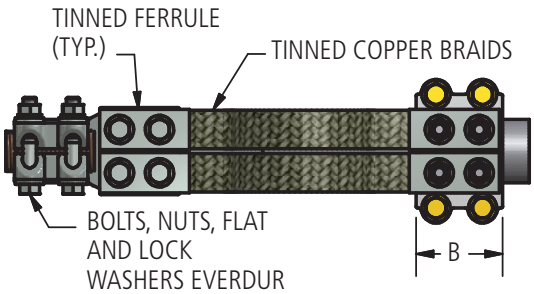
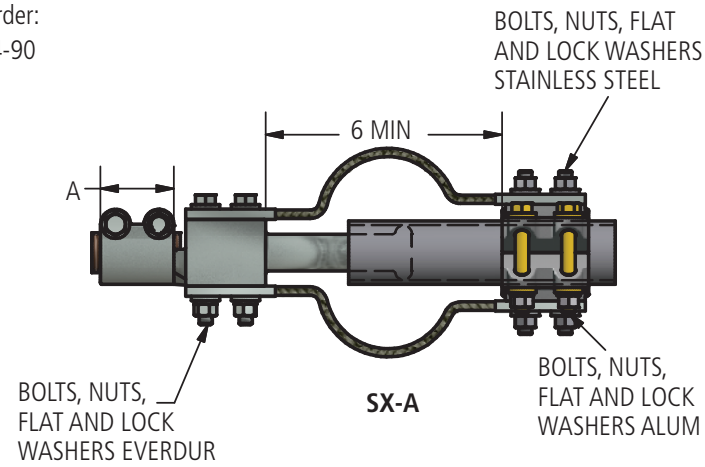



FIG. 2




SX-A



SX-A-90

## Ordering Information

| CATALOG NUMBER | STUD DIAMETER | THREADS PER INCH | SPS | FIG. NO. | DIMENSIONS IN INCHES | | BOLT SIZE | |
|---|---|---|---|---|---|---|---|---|
| | | | | | A | B | STUD | PIPE |
| SX100-200A-T14 | 1 | 14 | 2 | 1 | 2 3/4 | 3 1/4 | 1/2 | 1/2 |
| SX112-100A-T12 | 1 1/8 | 12 | 1 | 1 | 2 | 3 1/8 | 3/8 | 1/2 |
| SX112-200A-T12 | 1 1/8 | 12 | 2 | 1 | 2 3/4 | 3 1/4 | 1/2 | 1/2 |
| SX150-150A-T12 | 1 1/2 | 12 | 1 1/2 | 1 | 2 3/4 | 3 1/4 | 1/2 | 1/2 |
| SX150-200A-T12 | 1 1/2 | 12 | 2 | 1 | 2 3/4 | 3 1/4 | 1/2 | 1/2 |
| SX150-300A-T12 | 2 | 12 | 3 | 2 | 2 3/4 | 3 1/2 | 1/2 | 5/8 |
| SX200-350A-T12 | 2 | 12 | 3 1/2 | 2 | 2 3/4 | 3 1/2 | 1/2 | 5/8 |
| SX200-400A-T12 | 2 | 12 | 4 | 2 | 2 3/4 | 3 1/2 | 1/2 | 5/8 |
| SX250-300A-T12 | 2 1/2 | 12 | 3 | 2 | 2 | 3 1/2 | 1/2 | 5/8 |





© 2011, AFL, all rights reserved. PP-3-00465, Revision 1, 1.13.14
Specifications are subject to change without notice.

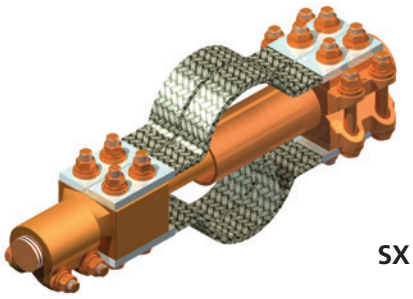
# DOSSERT®

## TYPE SX, SX-90, SXP

### Stud Expansion Connector for Pipe

An expansion stud connector for joining a tubular bus to a threaded or unthreaded transformer stud. The movements of the conductors caused by thermal expansion and contraction or settling foundations are efficiently absorbed by the flexible braided linkages. Type SX is furnished with an alignment guide for connections where axial alignment is required.

SXP does not have an alignment guide.



SX

**Material**

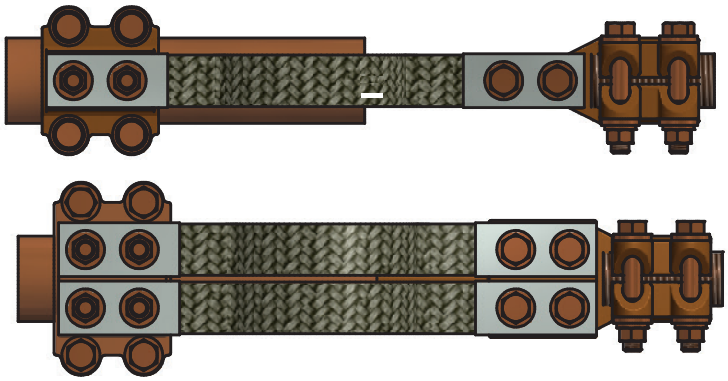
Copper Alloy

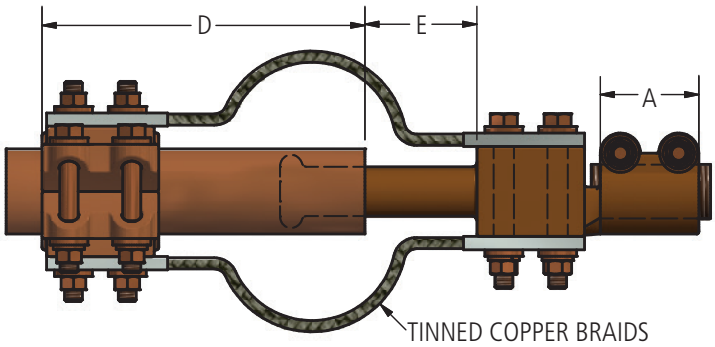
**Hardware**

Everdur bolts, nuts and lockwashers

**Notes**

- For a 90 degree stud connector, add -90 to the Catalog Number. EX. For a 1"-T14 stud to 1" SPS connector with 90 degree stud connector, order: SX100-100-T14-90.
- SXP has no alignment guide. EX. For a 1"-T14 stud to 1" SPS connector with no alignment guide connector, order: SXP100-100-T14.
- For Tin Dipped, add -SN to the Catalog Number: SX100-100-T14-SN.
- For Laminates in place of Braids, add "L" to the Catalog Number: SXL150-125-T12.
- For stud threads not listed, add suffix "T" and the number of threads per inch to catalog number. EX. For a 1" stud to 1" SPS connector with no threads order: SX100-100-T0.








SX-90





© 2011, AFL, all rights reserved. P-3-00464, Revision 3, 1.25.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE SX, SX-90, SXP

### Stud Expansion Connector for Pipe

## Ordering Information

| CATALOG NUMBER | | | STUD DIA | THREADS PER INCH | SPS | DIMENSIONS IN INCHES | | | BOLT SIZE | |
|---|---|---|---|---|---|---|---|---|---|---|
| SX | SX-90 | SXP | | | | A | D | E | STUD | SPS |
| SX75-75-T16 | SX75-75-T16-90 | SXP75-75-T16 | 3/4 | 16 | 3/4 | 2 1/4 | 6 5/8 | 1 1/2 | 1/2 | 1/2 |
| SX75-100-T16 | SX75-100-T16-90 | SXP75-100-T16 | 3/4 | 16 | 1 | 2 1/4 | 6 3/4 | 1 1/2 | 1/2 | 1/2 |
| SX100-75-T14 | SX100-75-T14-90 | SXP100-75-T14 | 1 | 14 | 3/4 | 2 1/4 | 6 5/8 | 1 1/2 | 1/2 | 1/2 |
| SX100-100-T14 | SX100-100-T14-90 | SXP100-100-T14 | 1 | 14 | 1 | 2 1/4 | 6 3/4 | 1 1/2 | 1/2 | 1/2 |
| SX100-125-T14 | SX100-125-T14-90 | SXP100-125-T14 | 1 | 14 | 1 1/4 | 2 1/4 | 7 5/8 | 1 1/2 | 1/2 | 1/2 |
| SX100-150-T14 | SX100-150-T14-90 | SXP100-150-T14 | 1 | 14 | 1 1/2 | 2 1/4 | 7 5/8 | 1 1/2 | 1/2 | 1/2 |
| SX112-75-T12 | SX112-75-T12-90 | SXP112-75-T12 | 1 1/8 | 12 | 3/4 | 2 1/4 | 6 5/8 | 1 1/2 | 1/2 | 1/2 |
| SX112-100-T12 | SX112-100-T12-90 | SXP112-100-T12 | 1 1/8 | 12 | 1 | 2 1/4 | 6 3/4 | 1 1/2 | 1/2 | 1/2 |
| SX112-125-T12 | SX112-125-T12-90 | SXP112-125-T12 | 1 1/8 | 12 | 1 1/4 | 2 1/4 | 7 5/8 | 1 1/2 | 1/2 | 1/2 |
| SX112-150-T12 | SX112-150-T12-90 | SXP-112-150-T12 | 1 1/8 | 12 | 1 1/2 | 2 1/4 | 7 5/8 | 1 1/2 | 1/2 | 1/2 |
| SX125-75-T12 | SX125-75-T12-90 | SXP125-75-T12 | 1 1/4 | 12 | 3/4 | 2 3/4 | 6 5/8 | 1 1/2 | 1/2 | 1/2 |
| SX125-100-T12 | SX125-100-T12-90 | SXP125-100-T12 | 1 1/4 | 12 | 1 | 2 3/4 | 6 3/4 | 1 1/2 | 1/2 | 1/2 |
| SX125-125-T12 | SX125-125-T12-90 | SXP125-125-T12 | 1 1/4 | 12 | 1 1/4 | 2 3/4 | 7 5/8 | 1 1/2 | 1/2 | 1/2 |
| SX125-150-T12 | SX125-150-T12-90 | SXP125-150-T12 | 1 1/4 | 12 | 1 1/2 | 2 3/4 | 7 5/8 | 1 1/2 | 1/2 | 1/2 |
| SX125-200-T12 | SX125-200-T12-90 | SXP125-200-T12 | 1 1/4 | 12 | 2 | 2 3/4 | 8 1/4 | 1 1/2 | 1/2 | 1/2 |
| SX150-75-T12 | SX150-75-T12-90 | SXP150-75-T12 | 1 1/2 | 12 | 3/4 | 2 3/4 | 6 5/8 | 1 1/2 | 1/2 | 1/2 |
| SX150-100-T12 | SX150-100-T12-90 | SXP150-100-T12 | 1 1/2 | 12 | 1 | 2 3/4 | 6 3/4 | 1 1/2 | 1/2 | 1/2 |
| SX150-125-T12 | SX150-125-T12-90 | SXP150-125-T12 | 1 1/2 | 12 | 1 1/4 | 2 3/4 | 7 5/8 | 1 1/2 | 1/2 | 1/2 |
| SX150-150-T12 | SX150-150-T12-90 | SXP150-150-T12 | 1 1/2 | 12 | 1 1/2 | 2 3/4 | 7 5/8 | 1 1/2 | 1/2 | 1/2 |
| SX150-200-T12 | SX150-200-T12-90 | SXP150-200-T12 | 1 1/2 | 12 | 2 | 2 3/4 | 8 1/4 | 2 1/2 | 1/2 | 1/2 |
| SX175-75-T12 | SX175-75-T12-90 | SXP175-75-T12 | 1 3/4 | 12 | 3/4 | 2 3/4 | 6 5/8 | 1 1/2 | 1/2 | 1/2 |
| SX175-100-T12 | SX175-100-T12-90 | SXP175-100-T12 | 1 3/4 | 12 | 1 | 2 3/4 | 6 3/4 | 1 1/2 | 1/2 | 1/2 |
| SX175-125-T12 | SX175-125-T12-90 | SXP175-125-T12 | 1 3/4 | 12 | 1 1/4 | 2 3/4 | 7 5/8 | 1 1/2 | 1/2 | 1/2 |
| SX175-150-T12 | SX175-150-T12-90 | SXP175-150-T12 | 1 3/4 | 12 | 1 1/2 | 2 3/4 | 7 5/8 | 2 1/2 | 1/2 | 1/2 |
| SX175-200-T12 | SX175-200-T12-90 | SXP175-200-T12 | 1 3/4 | 12 | 2 | 2 3/4 | 8 1/4 | 2 1/2 | 1/2 | 1/2 |
| SX200-100-T12 | SX200-100-T12-90 | SXP200-100-T12 | 2 | 12 | 1 | 2 3/4 | 6 3/4 | 1 1/2 | 1/2 | 1/2 |
| SX200-125-T12 | SX200-125-T12-90 | SXP200-125-T12 | 2 | 12 | 1 1/4 | 2 3/4 | 7 5/8 | 1 1/2 | 1/2 | 1/2 |
| SX200-150-T12 | SX200-150-T12-90 | SXP200-150-T12 | 2 | 12 | 1 1/2 | 2 3/4 | 7 5/8 | 1 1/2 | 1/2 | 1/2 |
| SX200-200-T12 | SX200-200-T12-90 | SXP200-200-T12 | 2 | 12 | 2 | 2 3/4 | 8 1/4 | 2 1/2 | 1/2 | 1/2 |
| SX200-250-T12 | SX200-250-T12-90 | SXP200-250-T12 | 2 | 12 | 2 1/2 | 2 3/4 | 8 3/4 | 2 1/2 | 1/2 | 1/2 |
| SX225-350E-T12 | SX225-350E-T12-90 | SXP225-350E-T12 | 2 1/4 | 12 | 3 1/2 | 2 3/4 | 9 1/4 | 2 1/2 | 1/2 | 5/8 |
| SX300-200-T12 | SX300-200-T12-90 | SXP300-200-T12 | 3 | 12 | 2 | 3 1/4 | 8 1/4 | 2 1/2 | 5/8 | 1/2 |
| SX300-250-T12 | SX300-250-T12-90 | SXP300-250-T12 | 3 | 12 | 2 1/2 | 3 1/4 | 8 3/4 | 2 1/2 | 5/8 | 1/2 |
| SX300-300-T12 | SX300-300-T12-90 | SXP300-300-T12 | 3 | 12 | 3 | 3 1/4 | 10 | 2 1/2 | 5/8 | 5/8 |
| SX300-350-T12 | SX300-350-T12-90 | SXP300-350-T12 | 3 | 12 | 3 1/2 | 3 1/4 | 11 | 2 1/2 | 5/8 | 5/8 |
| SX300-400-T12 | SX300-400-T12-90 | SXP300-400-T12 | 3 | 12 | 4 | 3 1/4 | 11 1/2 | 2 1/2 | 5/8 | 5/8 |





© 2011, AFL, all rights reserved. P-3-00464, Revision 3, 1.25.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE US, U2S, US-90, U2S-90

**Copper U-bolt Stud Connector For Cable**

### Material

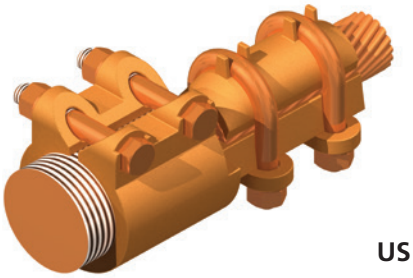
Copper Alloy

### Hardware

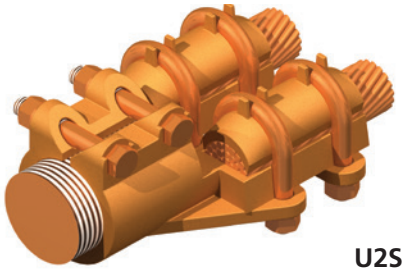
Everdur bolts, nuts, lockwashers, and U-bolts

### Notes

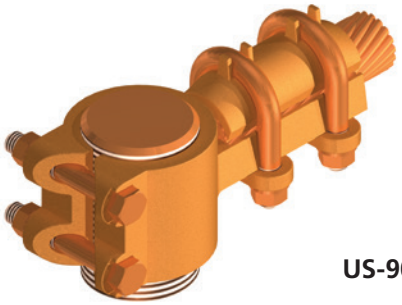
- Can also be readily furnished for plain unthreaded studs.
- For a 90 degree add -90 and for double connector change 'US' to 'U2S'
- For a 1/2" stud, 2/0 Str cable, and 90 degree angle order: US50-13-T13-90
- For a 1/2" stud, two 2/0 Str cable, and 90 degree angle order: U2S50-13-T13-90
- For a 1/2" stud, two 2/0 Str cables and no thread order: U2S50-13-T0



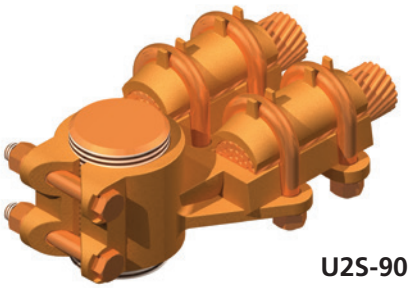
US



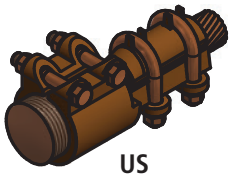
U2S



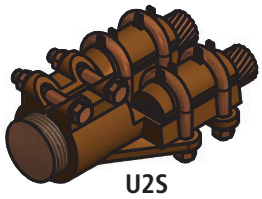
US-90



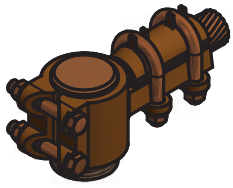
U2S-90



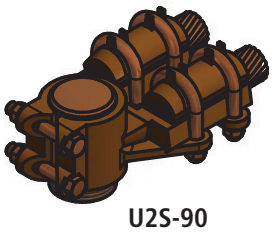
US



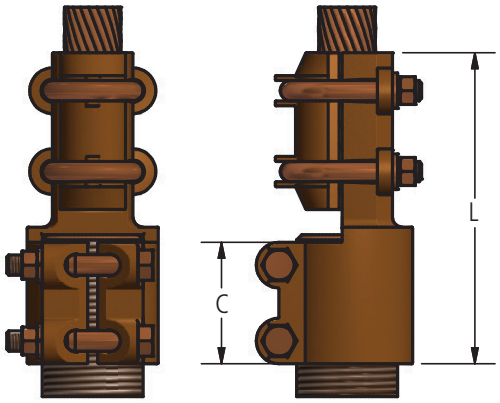
U2S



US-90



U2S-90








© 2011, AFL, all rights reserved. PP-3-00513, Revision 0, 3.10.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE US, U2S, US-90, U2S-90

**Copper U-bolt Stud Connector For Cable**

## Ordering Information

| CATALOG NUMBER | | | | STUD DIA. | THREADS PER INCH | CABLE RANGE | | DIMENSIONS IN INCHES | | BOLT SIZE | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| STAIGHT | | 90 DEGREES | | | | | | | | | |
| 1 CABLE | 2 CABLES | 1 CABLE | 2 CABLES | | | MIN | MAX | C | L | STUD | CABLE |
| US50-13-T13 | U2S50-13-T13 | US50-13-T13-90 | U2S50-13-T13-90 | 1/2 | 13 | 6 STR | 2/0 STR | 2 | 4 3/4 | 3/8 | 5/16 |
| US50-21-T13 | U2S50-21-T13 | US50-21-T13-90 | U2S50-21-T13-90 | 1/2 | 13 | 1 STR | 4/0 STR | 2 | 4 7/8 | 3/8 | 3/8 |
| US62-13-T18 | U2S62-13-T18 | US62-13-T18-90 | U2S62-13-T18-90 | 5/8 | 18 | 6 STR | 2/0 STR | 2 | 4 3/4 | 3/8 | 5/16 |
| US62-21-T18 | U2S62-21-T18 | US62-21-T18-90 | U2S62-21-T18-90 | 5/8 | 18 | 1 STR | 4/0 STR | 2 | 4 7/8 | 3/8 | 3/8 |
| US62-30-T18 | U2S62-30-T18 | US62-30-T18-90 | U2S62-30-T18-90 | 5/8 | 18 | 1/0 STR | 300 MCM | 2 | 5 | 3/8 | 3/8 |
| US75-13-T16 | U2S75-13-T16 | US75-13-T16-90 | U2S75-13-T16-90 | 3/4 | 16 | 6 STR | 2/0 STR | 2 | 4 3/4 | 3/8 | 5/16 |
| US75-21-T16 | U2S75-21-T16 | US75-21-T16-90 | U2S75-21-T16-90 | 3/4 | 16 | 1 STR | 4/0 STR | 2 | 4 7/8 | 3/8 | 3/8 |
| US75-30-T16 | U2S75-30-T16 | US75-30-T16-90 | U2S75-30-T16-90 | 3/4 | 16 | 1/0 STR | 300 MCM | 2 | 5 | 3/8 | 3/8 |
| US75-50-T16 | U2S75-50-T16 | US75-50-T16-90 | U2S75-50-T16-90 | 3/4 | 16 | 300 MCM | 500 MCM | 2 3/4 | 5 1/4 | 3/8 | 3/8 |
| US100-21-T14 | U2S100-21-T14 | US100-21-T14-90 | U2S100-21-T14-90 | 1 | 14 | 1 STR | 4/0 STR | 2 | 4 7/8 | 3/8 | 3/8 |
| US100-30-T14 | U2S100-30-T14 | US100-30-T14-90 | U2S100-30-T14-90 | 1 | 14 | 1/0 STR | 300 MCM | 2 3/4 | 5 | 3/8 | 3/8 |
| US100-50-T14 | U2S100-50-T14 | US100-50-T14-90 | U2S100-50-T14-90 | 1 | 14 | 300 MCM | 500 MCM | 2 | 5 1/4 | 3/8 | 3/8 |
| US100-80-T14 | U2S100-80-T14 | US100-80-T14-90 | U2S100-80-T14-90 | 1 | 14 | 500 MCM | 800 MCM | 2 3/4 | 6 1/4 | 1/2 | 1/2 |
| US125-30-T12 | U2S125-30-T12 | US125-30-T12-90 | U2S125-30-T12-90 | 1 1/4 | 12 | 1/0 STR | 300 MCM | 2 | 5 | 3/8 | 3/8 |
| US125-50-TI2 | U2S125-50-TI2 | US125-50-TI2-90 | U2S125-50-TI2-90 | 1 1/4 | 12 | 300 MCM | 500 MCM | 2 | 5 1/4 | 3/8 | 3/8 |
| US125-80-T12 | U2S125-80-T12 | US125-80-T12-90 | U2S125-80-T12-90 | 1 1/4 | 12 | 500 MCM | 800 MCM | 2 3/4 | 6 1/4 | 1/2 | 1/2 |
| US125-100-T12 | U2S125-100-T12 | US125-100-T12-90 | U2S125-100-T12-90 | 1 1/4 | 12 | 750 MCM | 1000 MCM | 2 3/4 | 6 1/2 | 1/2 | 1/2 |
| US150-30-T12 | U2S150-30-T12 | US150-30-T12-90 | U2S150-30-T12-90 | 1 1/2 | 12 | 1/0 STR | 300 MCM | 2 | 5 | 3/8 | 3/8 |
| US150-80-T12 | U2S150-80-T12 | US150-80-T12-90 | U2S150-80-T12-90 | 1 1/2 | 12 | 500 MCM | 800 MCM | 2 3/4 | 6 1/4 | 1/2 | 1/2 |
| US150-100-T12 | U2S150-100-T12 | US150-100-T12-90 | U2S150-100-T12-90 | 1 1/2 | 12 | 750 MCM | 1000 MCM | 2 3/4 | 6 1/2 | 1/2 | 1/2 |
| US150-150-TI2 | U2S150-150-TI2 | US150-150-TI2-90 | U2S150-150-TI2-90 | 1 1/2 | 12 | 1000 MCM | 1500 MCM | 2 3/4 | 7 | 1/2 | 1/2 |
| US150-200-T12 | U2S150-200-T12 | US150-200-T12-90 | U2S150-200-T12-90 | 1 1/2 | 12 | 1500 MCM | 2000 MCM | 2 3/4 | 7 1/2 | 1/2 | 1/2 |
| US200-50-T12 | U2S200-50-T12 | US200-50-T12-90 | U2S200-50-T12-90 | 2 | 12 | 300 MCM | 500 MCM | 2 | 5 1/4 | 3/8 | 3/8 |
| US200-80-T12 | U2S200-80-T12 | US200-80-T12-90 | U2S200-80-T12-90 | 2 | 12 | 500 MCM | 800 MCM | 2 3/4 | 6 1/4 | 1/2 | 1/2 |
| US200-100-T12 | U2S200-100-T12 | US200-100-T12-90 | U2S200-100-T12-90 | 2 | 12 | 750 MCM | 1000 MCM | 2 3/4 | 6 1/2 | 1/2 | 1/2 |
| US200-150-T12 | U2S200-150-T12 | US200-150-T12-90 | U2S200-150-T12-90 | 2 | 12 | 1000 MCM | 1500 MCM | 2 3/4 | 7 | 1/2 | 1/2 |
| US200-200-T12 | U2S200-200-T12 | US200-200-T12-90 | U2S200-200-T12-90 | 2 | 12 | 1500 MCM | 2000 MCM | 2 3/4 | 7 1/2 | 1/2 | 1/2 |
| US250-50-T12 | U2S250-50-T12 | US250-50-T12-90 | U2S250-50-T12-90 | 2 1/2 | 12 | 300 MCM | 500 MCM | 2 | 5 1/4 | 3/8 | 3/8 |
| US250-80-TI2 | U2S250-80-TI2 | US250-80-TI2-90 | U2S250-80-TI2-90 | 2 1/2 | 12 | 500 MCM | 800 MCM | 2 3/4 | 6 1/4 | 1/2 | 1/2 |
| US250-100-T12 | U2S250-100-T12 | US250-100-T12-90 | U2S250-100-T12-90 | 2 1/2 | 12 | 750 MCM | 1000 MCM | 2 3/4 | 6 1/2 | 1/2 | 1/2 |
| US250-150-TI2 | U2S250-150-TI2 | US250-150-TI2-90 | U2S250-150-TI2-90 | 2 1/2 | 12 | 1000 MCM | 1500 MCM | 2 3/4 | 7 | 1/2 | 1/2 |
| US300-50-T12 | U2S300-50-T12 | US300-50-T12-90 | U2S300-50-T12-90 | 3 | 12 | 300 MCM | 500 MCM | 2 | 5 1/4 | 3/8 | 3/8 |
| US300-80-T12 | U2S300-80-T12 | US300-80-T12-90 | U2S300-80-T12-90 | 3 | 12 | 500 MCM | 800 MCM | 3 | 6 1/2 | 1/2 | 1/2 |
| US300-100-T12 | U2S300-100-T12 | US300-100-T12-90 | U2S300-100-T12-90 | 3 | 12 | 750 MCM | 1000 MCM | 3 | 6 3/4 | 1/2 | 1/2 |
| US300-150-T12 | U2S300-150-T12 | US300-150-T12-90 | U2S300-150-T12-90 | 3 | 12 | 1000 MCM | 1500 MCM | 3 | 7 1/4 | 1/2 | 1/2 |
| US300-200-T12 | U2S300-200-T12 | US300-200-T12-90 | U2S300-200-T12-90 | 3 | 12 | 1500 MCM | 2000 MCM | 3 | 7 3/4 | 1/2 | 1/2 |





© 2011, AFL, all rights reserved. PP-3-00513, Revision 0, 3.10.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE CASV

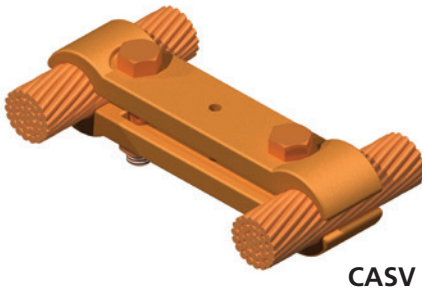
### Cable Spacer Clamp

### Material

Copper Alloy

### Hardware

Everdur-nuts, bolts and lock washers.



CASV

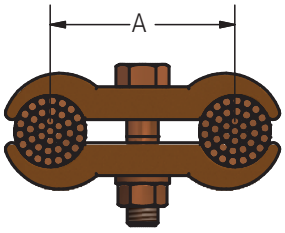
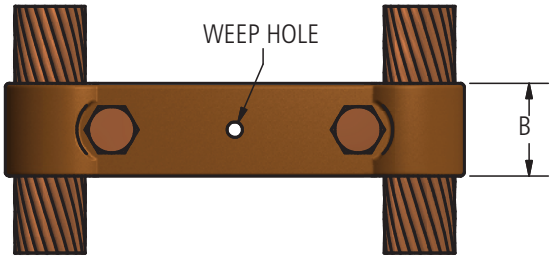



FIG. 1



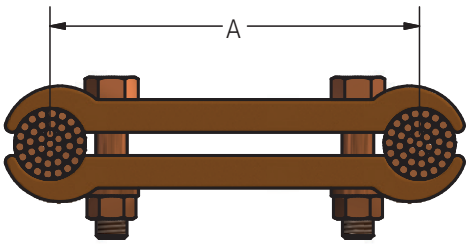




FIG. 2

## Ordering Information

| CATALOG NUMBER | CABLE RANGE | | FIG. NO. | DIMENSIONS IN INCHES | | BOLT SIZE |
|---|---|---|---|---|---|---|
| | MIN | MAX | | A | B | |
| CASV60-4 | 350 MCM | 600 MCM | 1 | 4 | 1 1/2 | 1/2 |
| CASV90-3 | 500 MCM | 900 MCM | 1 | 3 | 1 1/2 | 1/2 |
| CASV90-4 | 500 MCM | 900 MCM | 1 | 4 | 1 1/2 | 1/2 |
| CASV90-6 | 500 MCM | 900 MCM | 2 | 6 | 1 1/2 | 1/2 |
| CASV90-12 | 500 MCM | 900 MCM | 2 | 12 | 1 1/2 | 1/2 |
| CASV100-2 1/2 | 750 MCM | 1000 MCM | 1 | 2 1/2 | 1 1/2 | 1/2 |
| CASV100-4 | 750 MCM | 1000 MCM | 1 | 4 | 1 1/2 | 1/2 |
| CASV100-6 | 750 MCM | 1000 MCM | 2 | 6 | 1 1/2 | 1/2 |
| CASV100-8 | 750 MCM | 1000 MCM | 2 | 8 | 1 1/2 | 1/2 |
| CASV200-6 | 1500 MCM | 2000 MCM | 2 | 6 | 2 1/8 | 5/8 |
| CASV200-8 | 1500 MCM | 2000 MCM | 2 | 8 | 2 1/8 | 5/8 |



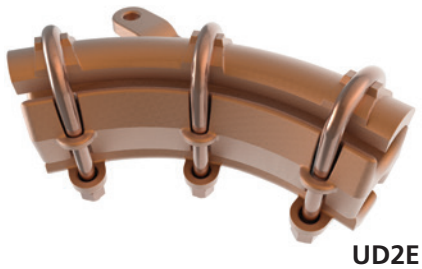
© 2011, AFL, all rights reserved. PP-3-00269, Revision 0, 3.10.11
Specifications are subject to change without notice.

# DOSSERT®

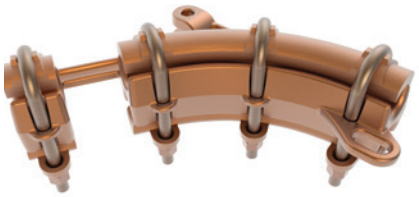
## TYPE UD2E, UD2E-PG

### Dead End Clamp For Two Conductors

A two conductor variable U-bolt type dead ending clamp with curvature for jumper loop.



UD2E



UD2E-PG

### Material

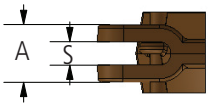
Copper Alloy

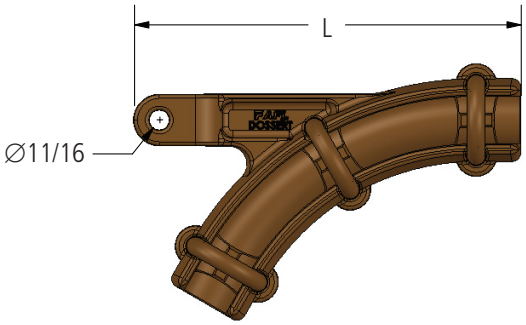
### Hardware

Everdur nuts, U-bolts and lockwashers

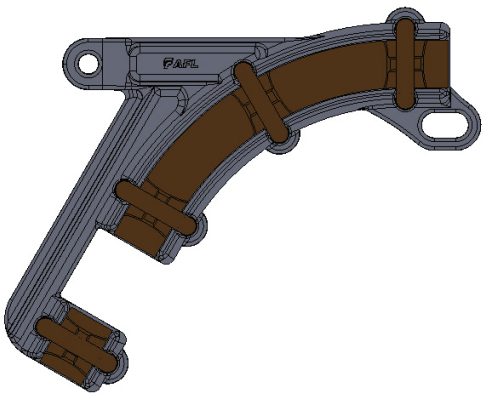
### Notes

- For a Pulling eye, add suffix "-PG" to end of catalog number. EX: UD2E21-PG

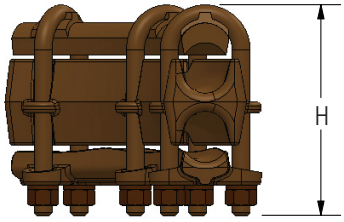



UD2E



UD2E-PG




## Ordering Information

| CATALOG NUMBER | CABLE RANGE | | DIMENSIONS IN INCHES | | | | U-BOLT SIZE |
|---|---|---|---|---|---|---|---|
| | MIN | MAX | A | H | L | S | |
| UD2E21 | 2/0 Stranded | 4/0 Stranded | 1 21/32 | 3 7/8 | 8 1/4 | 3/4 | 3/8 |
| UD2E35 | 4/0 Stranded | 350 kcmil | 1 21/32 | 4 1/8 | 8 5/8 | 3/4 | 3/8 |
| UD2E50 | 350 kcmil | 500 kcmil | 1 21/32 | 4 3/8 | 8 5/8 | 3/4 | 1/2 |
| UD2E80 | 500 kcmil | 800 kcmil | 1 13/16 | 5 | 9 1/2 | 13/16 | 1/2 |
| UD2E100 | 600 kcmil | 1000 kcmil | 1 13/16 | 5 1/4 | 9 5/8 | 13/16 | 1/2 |
| UD2E150 | 1250 kcmil | 1500 kcmil | 1 13/16 | 6 | 10 5/8 | 13/16 | 1/2 |
| UD2E200 | 1500 kcmil | 2000 kcmil | 2 | 7 9/16 | 13 7/16 | 13/16 | 5/8 |



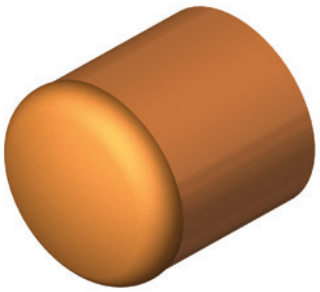
© 2011, AFL, all rights reserved. PP-3-00490, Revision 1, 2.8.18
Specifications are subject to change without notice.

# DOSSERT®

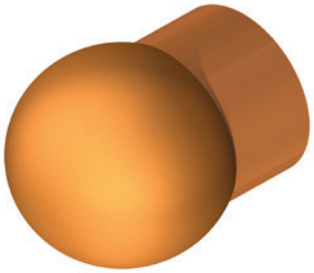
## TYPE CI, CI-E, CX

### Copper Corona Bells for Tubular Bus

Corona Bell for sealing the exposed ends of standard pipe size tubular buses. Prevents rain and undue condensation from accumulating inside the bus. The smooth rounded surfaces reduce electrostatic discharge thereby aiding in the reduction of power transmission losses.



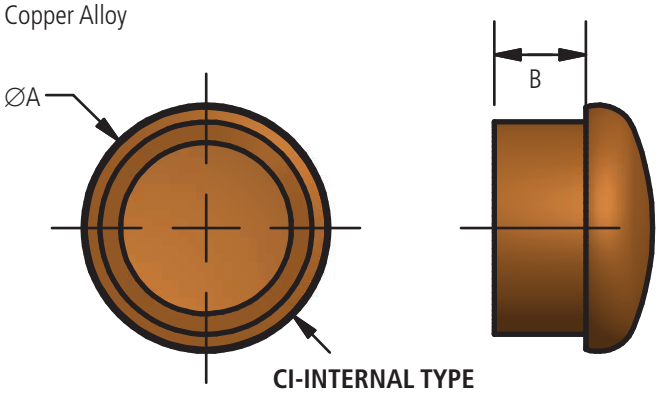
CI



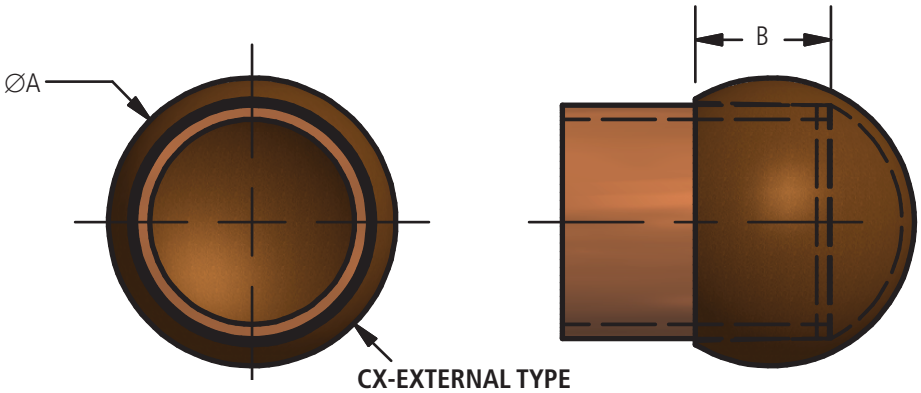
CX

### Material

Copper Alloy




CI-INTERNAL TYPE




CX-EXTERNAL TYPE

## Ordering Information CI (Internal Fit)

| CATALOG NUMBER | | SPS | DIMENSIONS IN INCHES | |
|---|---|---|---|---|
| CI SERIES | | | A | B |
| SCH. 40 | SCH. 80 | | | |
| CI50 | CI50E | 1/2 | 0.840 | 0.438 |
| CI75 | CI75E | 3/4 | 1.050 | 0.500 |
| CI100 | CI100E | 1 | 1.315 | 0.531 |
| CI125 | CI125E | 1-1/4 | 1.660 | 0.625 |
| CI150 | CI150E | 1-1/2 | 1.900 | 0.688 |
| CI200 | CI200E | 2 | 2.375 | 0.750 |
| CI250 | CI250E | 2-1/2 | 2.875 | 0.813 |
| CI300 | CI300E | 3 | 3.500 | 0.938 |
| CI350 | CI350E | 3-1/2 | 4.000 | 1.125 |
| CI400 | CI400E | 4 | 4.500 | 1.500 |
| CI500 | CI500E | 5 | 5.563 | 2.000 |
| CI600 | CI600E | 6 | 6.625 | 2.500 |

## Ordering Information CX (External Fit)

| CATALOG NUMBER | SPS | DIMENSIONS IN INCHES | |
|---|---|---|---|
| CX SERIES | | A | B |
| CX50 | 1/2 | 1.125 | 0.688 |
| CX75 | 3/4 | 1.375 | 0.750 |
| CX100 | 1 | 1.750 | 1.000 |
| CX125 | 1-1/4 | 2.125 | 1.125 |
| CX150 | 1-1/2 | 2.563 | 1.250 |
| CX200 | 2 | 3.125 | 1.500 |
| CX250 | 2-1/2 | 3.625 | 1.625 |
| CX300 | 3 | 4.313 | 1.813 |
| CX350 | 3-1/2 | 5.000 | 2.188 |
| CX400 | 4 | 5.500 | 2.375 |
| CX450 | 4-1/2 | 5.625 | 2.500 |
| CX500 | 5 | 6.750 | 2.625 |
| CX600 | 6 | 6.875 | 2.875 |

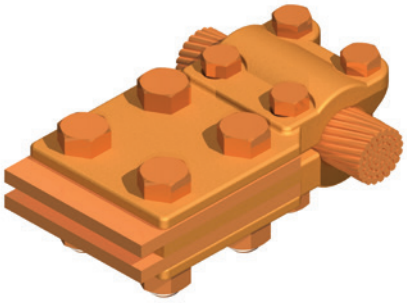


© 2011, AFL, all rights reserved. PP-3-00285, Revision 1, 12.11.17
Specifications are subject to change without notice.

# DOSSERT®

## TYPE CFT

### Tee Connector For Cable To Flat Bar Tap



A cable run to flat bar tap tee connector. Designed for one 1/4 inch bar, Fig. 1 and for two ¼ inch bars spaced 1/4 inch apart, Fig. 2.

### Material

Copper Alloy

### Hardware

Everdur-bolts, nuts, and lockwashers.

### Notes

- Can also be furnished upon specification to accommodate additional bars, other bar spacing, and other drilling or any combination thereof.
- Pad size and drilling can also be furnished to conform to NEMA standards.

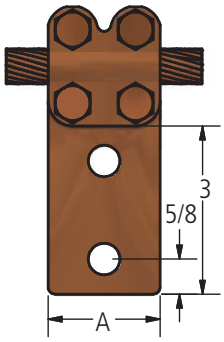
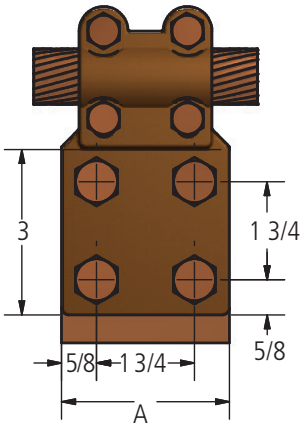



FIG. 1



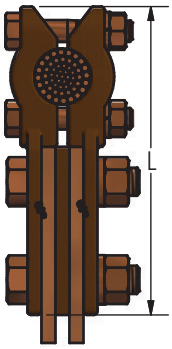




FIG. 2

## Ordering Information

| CATALOG NUMBER | CABLE SIZE | FIG. NO. | DIMENSIONS IN INCHES | | BOLT SIZE |
|---|---|---|---|---|---|
| | | | A | L | |
| CFT21-1-2N | 4/0 Str | 1 | 2 | 5 7/16 | 3/8 |
| CFT30-1-2N | 300 MCM | 1 | 2 | 5 1/2 | 3/8 |
| CFT30-1-3N | 300 MCM | 1 | 3 | 5 1/2 | 3/8 |
| CFT50-1-2N | 500 MCM | 1 | 2 | 5 11/16 | 3/8 |
| CFT50-2-2N | 500 MCM | 2 | 2 | 5 11/16 | 3/8 |
| CFT50-1-3N | 500 MCM | 1 | 3 | 5 11/16 | 3/8 |
| CFT75-1-2N | 750 MCM | 1 | 2 | 6 1/8 | 3/8 |
| CFT75-2-2N | 750 MCM | 2 | 2 | 6 1/8 | 3/8 |
| CFT75-1-3N | 750 MCM | 1 | 3 | 6 1/8 | 3/8 |
| CFT100-1-2N | 1000 MCM | 1 | 2 | 6 9/16 | 1/2 |
| CFT100-2-2N | 1000 MCM | 2 | 2 | 6 9/16 | 1/2 |
| CFT100-1-3N | 1000 MCM | 1 | 3 | 6 9/16 | 1/2 |
| CFT100-2-3N | 1000 MCM | 2 | 3 | 6 9/16 | 1/2 |
| CFT100-1-4N | 1000 MCM | 1 | 4 | 6 9/16 | 1/2 |
| CFT150-1-2N | 1500 MCM | 1 | 2 | 6 7/8 | 1/2 |
| CFT150-2-2N | 1500 MCM | 2 | 2 | 6 7/8 | 1/2 |
| CFT150-1-3N | 1500 MCM | 1 | 3 | 6 7/8 | 1/2 |
| CFT150-2-3N | 1500 MCM | 2 | 3 | 6 7/8 | 1/2 |
| CFT150-1-4N | 1500 MCM | 1 | 4 | 6 7/8 | 1/2 |
| CFT200-2-2N | 2000 MCM | 2 | 2 | 7 | 1/2 |
| CFT200-1-3N | 2000 MCM | 1 | 3 | 7 | 1/2 |
| CFT200 2-3N | 2000 MCM | 2 | 3 | 7 | 1/2 |
| CFT200-1-4N | 2000 MCM | 1 | 4 | 7 | 1/2 |
| CFT200-2-4N | 2000 MCM | 2 | 4 | 7 | 1/2 |





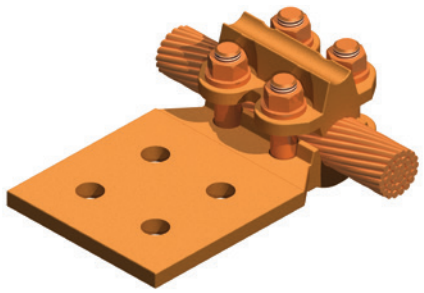
© 2011, AFL, all rights reserved. PP-3-00280, Revision 0, 3.10.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE CFTV-S

### Tee Connector For Cable To Flat Bar Tap

A cable run to flat bar tap tee connector.



**Material**

Copper Alloy

**Hardware**

Everdur-bolts, nuts, and lockwashers.

**Note**

For a tin plated finish add suffix "-SN" to end of catalog number.
Ex: CFTV60-2N-S-SN

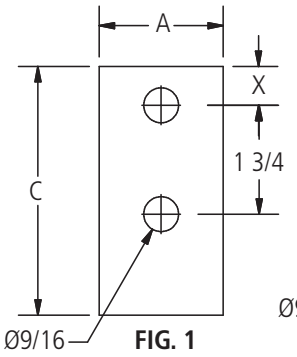



FIG. 1

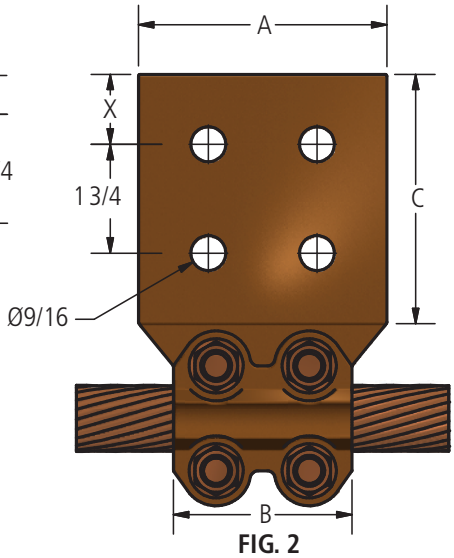
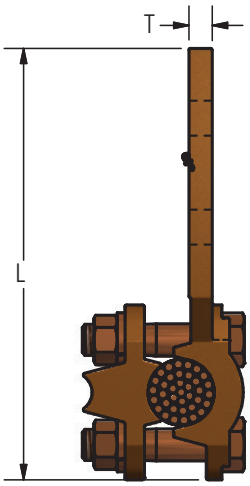



FIG. 2




## Ordering Information

| CATALOG NUMBER | CABLE RANGE | | | | FIG. NO. | DIMENSIONS IN INCHES | | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SMALL GROOVE | | LARGE GROOVE | | | | | | | | | |
| | MIN | MAX | MIN | MAX | | A | B | C | L | T | X | |
| CFTV60-2N-S | 4 SOL | 3/0 STR | 4/0 STR | 600 MCM | 1 | 2 | 2 1/2 | 3 | 5 1/2 | 3/8 | 5/8 | 3/8 |
| CFTV60-4N-S | 4 SOL | 3/0 STR | 4/0 STR | 600 MCM | 2 | 3 | 2 1/2 | 3 | 5 1/2 | 3/8 | 5/8 | 3/8 |
| CFTV80-2N-S | 2/0 SOL | 300 MCM | 350 MCM | 800 MCM | 1 | 2 | 2 7/8 | 3 | 6 1/4 | 3/8 | 5/8 | 1/2 |
| CFTV80-4N-S | 2/0 SOL | 300 MCM | 350 MCM | 800 MCM | 2 | 3 | 2 7/8 | 3 | 6 1/4 | 3/8 | 5/8 | 1/2 |
| CFTV80-4N4-S | 2/0 SOL | 300 MCM | 350 MCM | 800 MCM | 2 | 4 | 2 7/8 | 4 | 7 1/4 | 3/8 | 1 1/8 | 1/2 |
| CFTV85-2N-S | 6 SOL | 300 MCM | 350 MCM | 850 MCM | 1 | 2 | 2 7/8 | 3 | 5 15/16 | 3/8 | 5/8 | 1/2 |
| CFTV85-4N-S | 6 SOL | 300 MCM | 350 MCM | 850 MCM | 2 | 3 | 2 7/8 | 3 | 5 15/16 | 3/8 | 5/8 | 1/2 |
| CFTV85-4N4-S | 6 SOL | 300 MCM | 350 MCM | 850 MCM | 2 | 4 | 2 7/8 | 4 | 6 15/16 | 3/8 | 1 1/8 | 1/2 |
| CFTV100-2N-S | 4/0 SOL | 400 MCM | 450 MCM | 1000 MCM | 1 | 2 | 2 7/8 | 3 | 6 | 1/2 | 5/8 | 1/2 |
| CFTV100-4N-S | 4/0 SOL | 400 MCM | 450 MCM | 1000 MCM | 2 | 3 | 2 7/8 | 3 | 6 | 1/2 | 5/8 | 1/2 |
| CFTV100-4N4-S | 4/0 SOL | 400 MCM | 450 MCM | 1000 MCM | 2 | 4 | 2 7/8 | 4 | 7 | 1/2 | 1 1/8 | 1/2 |
| CFTV150-2N-S | 250 MCM | 750 MCM | 800 MCM | 1500 MCM | 1 | 2 | 3 3/8 | 3 | 6 1/4 | 1/2 | 5/8 | 1/2 |
| CFTV150-4N-S | 250 MCM | 750 MCM | 800 MCM | 1500 MCM | 2 | 3 | 3 3/8 | 3 | 6 1/4 | 1/2 | 5/8 | 1/2 |
| CFTV150-4N4-S | 250 MCM | 750 MCM | 800 MCM | 1500 MCM | 2 | 4 | 3 3/8 | 4 | 7 1/4 | 1/2 | 1 1/8 | 1/2 |
| CFTV200-4N-S | 500 MCM | 900 MCM | 1000 MCM | 2000 MCM | 2 | 3 | 3 3/8 | 3 | 6 1/2 | 11/16 | 5/8 | 1/2 |
| CFTV200-4N4-S | 500 MCM | 900 MCM | 1000 MCM | 2000 MCM | 2 | 4 | 3 3/8 | 4 | 7 1/2 | 11/16 | 1 1/8 | 1/2 |

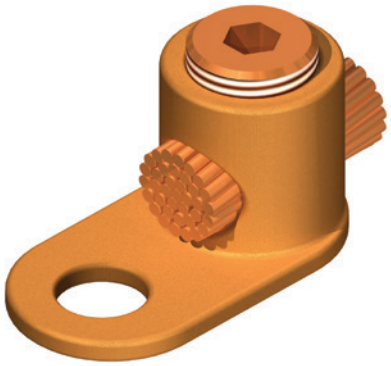


© 2011, AFL, all rights reserved. PP-3-00137, Revision 0, 3.10.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE D

### Copper Screw Terminals For Cable To Flat



An inexpensive lug of rugged construction yet very compact. These lugs are suitable for all types of installations and are completely reusable. Acceptance of wide range of conductor sizes limits the need for large stock.

### Material

Copper Alloy

### Hardware

Zinc Plated Steel Screw

### Note

Also available with Hex head set screw. Add (H) to catalog number. Example D35H.

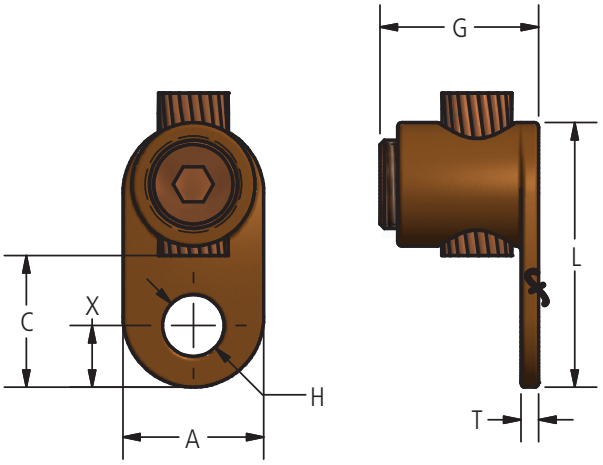



FIG. 1

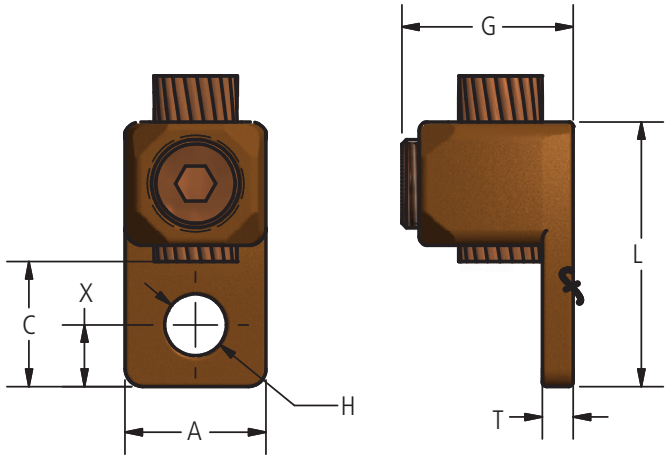



FIG. 2

## Ordering Information

| CATALOG NUMBER | | CABLE RANGE | | FIG. NO. | DIMENSIONS IN INCHES | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ALLEN HEAD BOLT | HEX HEAD BOLT | MINIMUM | MAXIMUM | | A | C | G | H | L | T | X |
| D10 | D10H | 4 STR | 1/0 STR | 1 | 3/4 | 3/4 | 7/8 | 11/32 | 1 1/2 | 5/32 | 3/8 |
| D21 | D21H | 1 STR | 4/0 STR | 1 | 15/16 | 1 | 1 1/4 | 7/16 | 1 13/16 | 3/16 | 7/16 |
| D25 | D25H | 2/0 STR | 250 MCM | 1 | 1 | 1 | 1 5/16 | 7/16 | 1 7/8 | 3/16 | 7/16 |
| D35 | D35H | #14 SOL | #8 STR | 1 | 13/32 | 15/32 | 9/16 | 7/32 | 13/16 | 5/64 | 3/16 |
| D50 | D50H | 4/0 STR | 500 MCM | 2 | 1 3/8 | 1 3/8 | 1 3/4 | 9/16 | 2 7/8 | 5/16 | 11/16 |
| D70 | D70H | #14 SOL | #4 STR | 1 | 9/16 | 5/8 | 11/16 | 9/32 | 1 1/8 | 7/64 | 1/4 |
| D100 | D100H | 500 MCM | 1000 MCM | 2 | 1 15/16 | 1 5/8 | 2 1/4 | 9/16 | 3 5/8 | 3/8 | 3/4 |





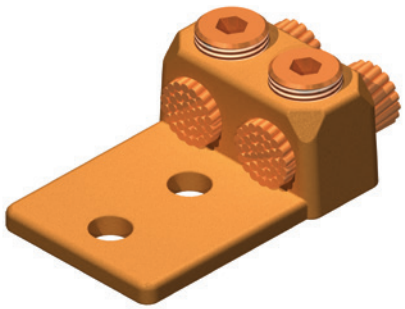
© 2011, AFL, all rights reserved. PP-3-00302, Revision 0, 3.10.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE D2

### Copper Screw Terminals For Two Cables To Flat

A double conductor lug of the same rugged construction as the Type D. Available with either hex socket or hex head pressure screws. Wide range of conductor sizes limits the need for large stock.



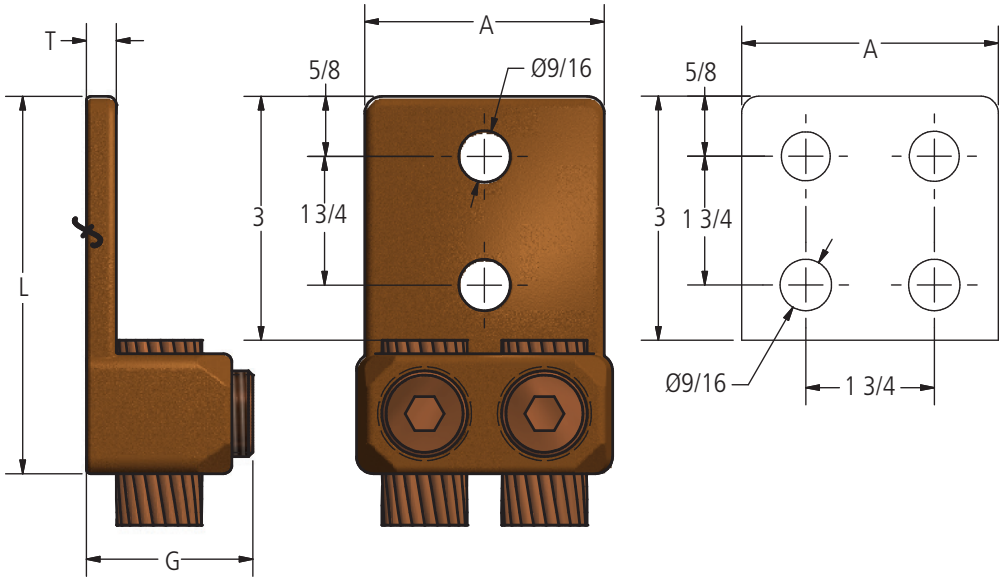
### Material

Copper Alloy

### Hardware

Zinc Plated Steel Screw






## Ordering Information

| CATALOG NUMBER | | CABLE RANGE | | FIG. NO. | DIMENSIONS IN INCHES | | | |
|---|---|---|---|---|---|---|---|---|
| SOCKET | HEX | MIN | MAX | | A | G | L | T |
| D2-25 | D2-25H | 1/0 STR | 250 MCM | 1 | 1 7/8 | 1 5/16 | 4 5/16 | 9/32 |
| D2-50 | D2-50H | 4/0 STR | 500 MCM | 1 | 2 1/2 | 1 3/4 | 4 7/8 | 3/8 |
| D2-100 | D2-100H | 500 MCM | 1000 MCM | 2 | 3 1/4 | 2 1/4 | 5 9/16 | 1/2 |

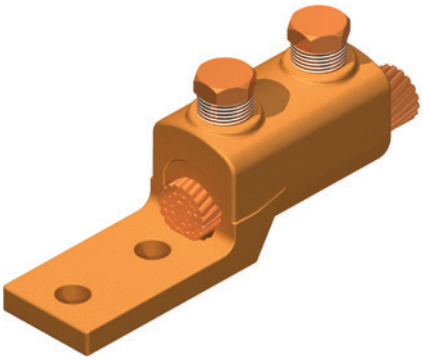


© 2011, AFL, all rights reserved. PP-3-00303, Revision 0, 3.10.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE HHL, HHL-A

### Copper Heavy Duty Terminal for Cable



A variable terminal connector whose double clamping element provides for additional secureness where heavy duty service is required. The simplicity of installation and rugged design make this connector a serviceable unit. Made of high conductivity cast copperalloy and equipped with bronze pressure screws and clamping members. HHL-A has cap screws instead of hex bolts for clapping the conductor.

### Material

Copper Alloy

### Hardware

Zinc Plated Steel Screw

### Note

For a 350MCM cable to a 2 NEMA pad with cap screws order: HHL350-2N-A

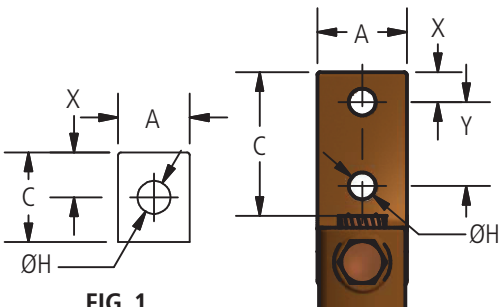



FIG. 1




FIG. 2

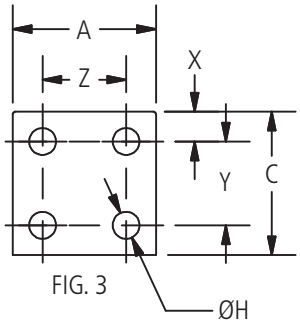
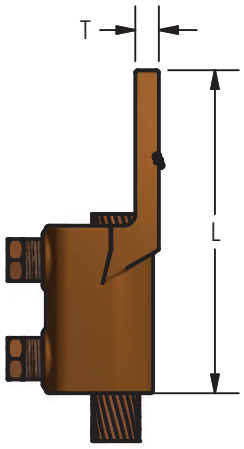



FIG. 3




HHL



HHL-A





© 2011, AFL, all rights reserved. PP-3-00369, Revision 1, 8.5.13
Specifications are subject to change without notice.

# DOSSERT®

## TYPE HHL, HHL-A

**Copper Heavy Duty Terminal for Cable**

### Ordering Information

| CATALOG NUMBER | | CABLE SIZE | | FIG. NO. | DIMENSIONS IN INCHES | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HEX HEAD BOLT | ALLEN HEAD BOLT | MIN | MAX | | A | C | H | L | X | Y | Z | T |
| HHL4-1 | HHL4-1-A | 8 SOL | 4 STR | 1 | 1/2 | 5/8 | 9/32 | 2 3/8 | 5/16 | - | - | 3/16 |
| HHL4-2 | HHL4-2-A | 8 SOL | 4 STR | 2 | 1/2 | 1 1/4 | 9/32 | 2 15/16 | 5/16 | 5/8 | - | 3/16 |
| HHL8-1 | HHL8-1-A | 4 SOL | 1 STR | 1 | 11/16 | 11/16 | 9/32 | 2 13/16 | 11/32 | - | - | 7/32 |
| HHL8-2 | HHL8-2-A | 4 SOL | 1 STR | 2 | 11/16 | 1 3/8 | 9/32 | 3 5/8 | 5/16 | 3/4 | - | 7/32 |
| HHL13-1 | HHL13-1-A | 1 STR | 2/0 STR | 1 | 13/16 | 7/8 | 7/16 | 3 3/16 | 7/16 | - | - | 7/32 |
| HHL13-2 | HHL13-2-A | 1 STR | 2/0 STR | 2 | 13/16 | 1 5/8 | 11/32 | 4 3/16 | 3/8 | 7/8 | - | 7/32 |
| HHL21-1 | HHL21-1-A | 2/0 STR | 4/0 STR | 1 | 1 | 1 | 7/16 | 3 9/16 | 1/2 | - | - | 1/4 |
| HHL21-2 | HHL21-2-A | 2/0 STR | 4/0 STR | 2 | 1 | 1 3/4 | 7/16 | 4 1/2 | 3/8 | 1 | - | 1/4 |
| HHL21-2N | HHL21-2N-A | 2/0 STR | 4/0 STR | 2 | 1 1/2 | 3 | 9/16 | 5 5/8 | 5/8 | 1 3/4 | - | 1/4 |
| HHL30-1 | HHL30-1-A | 4/0 STR | 300 MCM | 1 | 1 3/16 | 1 1/4 | 9/16 | 4 3/16 | 5/8 | - | - | 5/16 |
| HHL30-2 | HHL30-2-A | 4/0 STR | 300 MCM | 2 | 1 3/16 | 2 | 7/16 | 4 3/4 | 7/16 | 1 | - | 5/16 |
| HHL30-2N | HHL30-2N-A | 4/0 STR | 300 MCM | 2 | 1 1/2 | 3 | 9/16 | 5 7/8 | 5/8 | 1 3/4 | - | 5/16 |
| HHL35-1 | HHL35-1-A | 250 MCM | 350 MCM | 1 | 1 3/16 | 1 1/4 | 9/16 | 4 3/8 | 5/8 | - | - | 5/16 |
| HHL35-2 | HHL35-2-A | 250 MCM | 350 MCM | 2 | 1 3/16 | 2 | 7/16 | 4 7/8 | 7/16 | 1 | - | 5/16 |
| HHL35-2N | HHL35-2N-A | 300 MCM | 350 MCM | 2 | 1 1/2 | 3 | 9/16 | 6 | 5/8 | 1 3/4 | - | 5/16 |
| HHL50-1 | HHL50-1-A | 300 MCM | 500 MCM | 1 | 1 3/8 | 1 3/8 | 9/16 | 4 7/8 | 11/16 | - | - | 11/32 |
| HHL50-2 | HHL50-2-A | 300 MCM | 500 MCM | 2 | 1 3/8 | 2 | 7/16 | 5 3/8 | 7/16 | 1 | - | 11/32 |
| HHL50-2N | HHL50-2N-A | 300 MCM | 500 MCM | 2 | 1 1/2 | 3 | 9/16 | 6 3/8 | 5/8 | 1 3/4 | - | 11/32 |
| HHL50-4 | HHL50-4-A | 300 MCM | 500 MCM | 3 | 2 | 2 | 7/16 | 5 3/8 | 7/16 | 1 | 1 | 11/32 |
| HHL50-4N | HHL50-4N-A | 500 MCM | 750 MCM | 3 | 3 | 3 | 9/16 | 6 7/8 | 5/8 | 1 3/4 | 1 3/4 | 11/32 |
| HHL75-1 | HHL75-1-A | 500 MCM | 750 MCM | 1 | 1 5/8 | 1 3/4 | 11/16 | 5 11/16 | 7/8 | - | - | 3/8 |
| HHL75-2 | HHL75-2-A | 500 MCM | 750 MCM | 2 | 1 5/8 | 2 1/4 | 9/16 | 5 15/16 | 9/16 | 1 1/8 | - | 3/8 |
| HHL75-2N | HHL75-2N-A | 500 MCM | 750 MCM | 2 | 1 5/8 | 3 | 9/16 | 6 13/16 | 5/8 | 1 3/4 | - | 3/8 |
| HHL75-4 | HHL75-4-A | 500 MCM | 750 MCM | 3 | 2 1/4 | 2 1/4 | 7/16 | 5 3/4 | 5/8 | 1 | 1 | 3/8 |
| HHL75-4N | HHL75-4N-A | 750 MCM | 1000 MCM | 3 | 3 | 3 | 9/16 | 6 7/8 | 5/8 | 1 3/4 | 1 3/4 | 3/8 |
| HHL100-1 | HHL100-1-A | 750 MCM | 1000 MCM | 1 | 1 7/8 | 1 7/8 | 11/16 | 6 1/16 | 15/16 | - | - | 1/2 |
| HHL100-2 | HHL100-2-A | 750 MCM | 1000 MCM | 2 | 1 7/8 | 2 1/2 | 9/16 | 6 3/8 | 5/8 | 1 1/4 | - | 1/2 |
| HHL100-2N | HHL100-2N-A | 750 MCM | 1000 MCM | 2 | 1 7/8 | 3 | 9/16 | 7 1/16 | 5/8 | 1 3/4 | - | 1/2 |
| HHL100-4 | HHL100-4-A | 750 MCM | 1000 MCM | 3 | 2 1/2 | 2 1/2 | 7/16 | 6 1/4 | 5/8 | 1 1/4 | 1 1/4 | 1/2 |
| HHL100-4N | HHL100-4N-A | 1000 MCM | 1500 MCM | 3 | 3 | 3 | 9/16 | 7 1/8 | 5/8 | 1 3/4 | 1 3/4 | 1/2 |
| HHL150-1 | HHL150-1-A | 1000 MCM | 1500 MCM | 1 | 2 1/8 | 2 1/8 | 13/16 | 6 3/8 | 1 1/16 | - | - | 9/16 |
| HHL150-2 | HHL150-2-A | 1000 MCM | 1500 MCM | 2 | 2 1/8 | 2 5/8 | 9/16 | 7 3/8 | 5/8 | 1 3/8 | - | 9/16 |
| HHL150-2N | HHL150-2N-A | 1000 MCM | 1500 MCM | 2 | 2 1/8 | 3 | 9/16 | 7 3/4 | 5/8 | 1 3/4 | - | 9/16 |
| HHL150-4 | HHL150-4-A | 1000 MCM | 1500 MCM | 3 | 2 5/8 | 2 5/8 | 9/16 | 7 3/8 | 5/8 | 1 3/8 | 1 3/8 | 9/16 |
| HHL150-4N | HHL150-4N-A | 1000 MCM | 1500 MCM | 3 | 3 | 3 | 9/16 | 8 1/4 | 5/8 | 1 3/4 | 1 3/4 | 9/16 |





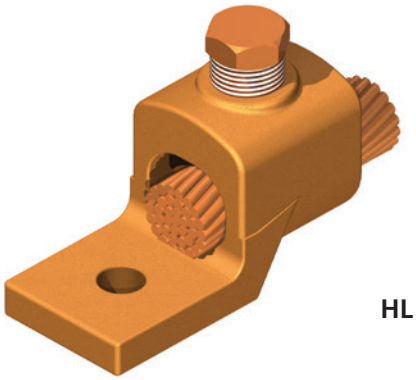
© 2011, AFL, all rights reserved. PP-3-00369, Revision 1, 8.5.13
Specifications are subject to change without notice.

# DOSSERT®

## TYPE HL, HLA-45, HLA-90

Copper Set Screw Terminal. HL conductor runs parallel to the pad, HLA45 the pad is at a 45° angle to the conductor, and HLA90 the pad is at a 90° angle to the conductor. HL-A has a set screw instead of the hex bolt.

The HERCULON™ Lug is designed for quick and efficient installation. Its compact rigid structure makes it especially adaptable for assembly in inaccessible quarters. A high compressive clamping force on the cable conductors plus the additional gripping action of special serrated bearing areas makes for high electrical contact efficiency and pull out strength.



HL

### Material

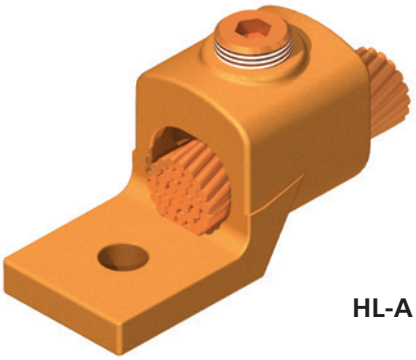
Copper Alloy

### Note

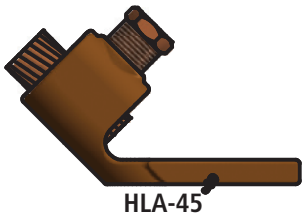
For set screw instead of bolt, add "A" to end of part number. Example: HL1-1A

### Hardware

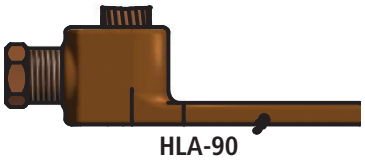
Everdur pressure bolt



HL-A



HLA-45



HLA-90

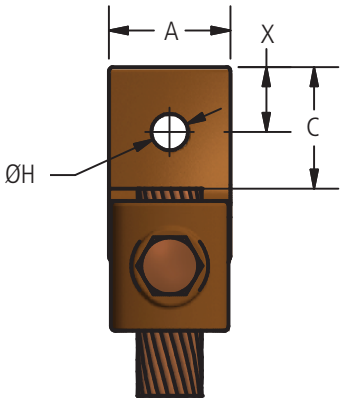
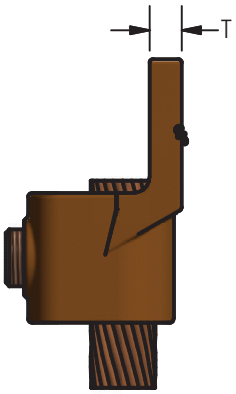



FIG. 1
HL




HL-A

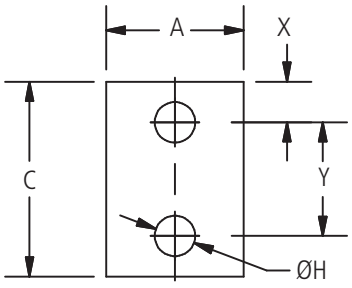



FIG. 2

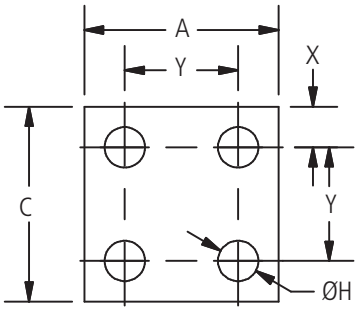



FIG. 3





© 2011, AFL, all rights reserved. PP-3-00371, Revision 2, 6.1.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE HL, HLA-45, HLA-90

### Ordering Information

| CATALOG NUMBER | | | COMMERCIAL CABLE SIZE | | NAVY CABLE SIZE | | FIG. NO. | DIMENSIONS IN INCHES | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STRAIGHT | 45 DEG | 90 DEG | MIN. | MAX. | MIN. | MAX. | | A | C | H | X | Y | T |
| HL1-1 | HLA1-1-45 | HLA1-1-90 | 14 SOL | 8 STR | 4 | 14 | 1 | 9/16 | 3/4 | 7/32 | 5/16 | - | 3/16 |
| HL1-2 | HLA1-2-45 | HLA1-2-90 | 14 SOL | 8 STR | 4 | 14 | 2 | 1/2 | 1 1/4 | 7/32 | 5/16 | 5/8 | 3/16 |
| HL4-1 | HLA4-1-45 | HLA4-1-90 | 8 SOL | 4 STR | 23 | 40 | 1 | 9/16 | 3/4 | 9/32 | 5/16 | - | 3/16 |
| HL4-2 | HLA4-2-45 | HLA4-2-90 | 8 SOL | 4 STR | 23 | 40 | 2 | 9/16 | 1 1/4 | 9/32 | 5/16 | 5/8 | 3/16 |
| HL8-1 | HLA8-1-45 | HLA8-1-90 | 4 SOL | 1 STR | 50 | 75 | 1 | 3/4 | 7/8 | 9/32 | 11/32 | - | 7/32 |
| HL8-2 | HLA8-2-45 | HLA8-2-90 | 4 SOL | 1 STR | 50 | 75 | 2 | 3/4 | 1 1/2 | 9/32 | 5/16 | 3/4 | 7/32 |
| HL13-1 | HLA13-1-45 | HLA13-1-90 | 1 STR | 2/0 STR | 100 | 125 | 1 | 13/16 | 7/8 | 7/16 | 7/16 | - | 7/32 |
| HL13-2 | HLA13-2-45 | HLA13-2-90 | 1 STR | 2/0 STR | 100 | 125 | 2 | 13/16 | 1 5/8 | 7/16 | 3/8 | 1 | 7/32 |
| HL21-1 | HLA21-1-45 | HLA21-1-90 | 2/0 STR | 4/0 STR | 150 | 200 | 1 | 1 | 1 | 7/16 | 1/2 | - | 1/4 |
| HL21-2 | HLA21-2-45 | HLA21-2-90 | 2/0 STR | 4/0 STR | 150 | 200 | 2 | 1 | 1 3/4 | 7/16 | 3/8 | 1 | 1/4 |
| HL21-2N | HLA21-2N-45 | HLA21-2N-90 | 2/0 STR | 4/0 STR | 150 | 200 | 2 | 1 | 3 | 9/16 | 5/8 | 1 3/4 | 1/4 |
| HL30-1 | HLA30-1-45 | HLA30-1-90 | 4/0 STR | 300 MCM | 250 | 300 | 1 | 1 1/16 | 1 1/4 | 9/16 | 5/8 | - | 5/16 |
| HL30-2 | HLA30-2-45 | HLA30-2-90 | 4/0 STR | 300 MCM | 250 | 300 | 2 | 1 3/16 | 2 | 7/16 | 7/16 | 1 | 5/16 |
| HL30-2N | HLA30-2N-45 | HLA30-2N-90 | 4/0 STR | 300 MCM | 250 | 300 | 2 | 1 1/16 | 3 | 9/16 | 5/8 | 1 3/4 | 5/16 |
| HL35-1 | HLA35-1-45 | HLA35-1-90 | 250 MCM | 350 MCM | 250 | 350 | 1 | 1 3/16 | 1 1/4 | 9/16 | 5/8 | - | 5/16 |
| HL35-2 | HLA35-2-45 | HLA35-2-90 | 250 MCM | 350 MCM | 250 | 350 | 2 | 1 3/16 | 2 | 7/16 | 7/16 | 1 | 5/16 |
| HL35-2N | HLA35-2N-45 | HLA35-2N-90 | 250 MCM | 350 MCM | 250 | 350 | 2 | 1 1/2 | 3 | 9/16 | 5/8 | 1 3/4 | 5/16 |
| HL50-1 | HLA50-1-45 | HLA50-1-90 | 300 MCM | 500 MCM | 400 | 500 | 1 | 1 3/8 | 1 1/2 | 9/16 | 3/4 | - | 11/32 |
| HL50-2 | HLA50-2-45 | HLA50-2-90 | 300 MCM | 500 MCM | 400 | 500 | 2 | 1 3/8 | 2 | 7/16 | 7/16 | 1 | 11/32 |
| HL50-2N | HLA50-2N-45 | HLA50-2N-90 | 300 MCM | 500 MCM | 400 | 500 | 2 | 1 1/2 | 3 | 9/16 | 5/8 | 1 3/4 | 11/32 |
| HL50-4 | HLA50-4-45 | HLA50-4-90 | 300 MCM | 500 MCM | 400 | 500 | 3 | 2 | 2 | 7/16 | 7/16 | 1 | 11/32 |
| HL50-4N | HLA50-4N-45 | HLA50-4N-90 | 300 MCM | 500 MCM | 400 | 500 | 3 | 3 | 3 | 9/16 | 5/8 | 1 3/4 | 11/32 |
| HL75-1 | HLA75-1-45 | HLA75-1-90 | 500 MCM | 750 MCM | 500 | 750 | 1 | 1 5/8 | 1 3/4 | 11/16 | 7/8 | - | 3/8 |
| HL75-2 | HLA75-2-45 | HLA75-2-90 | 500 MCM | 750 MCM | 500 | 750 | 2 | 1 5/8 | 2 1/4 | 7/16 | 9/16 | 1 1/8 | 3/8 |
| HL75-2N | HLA75-2N-45 | HLA75-2N-90 | 500 MCM | 750 MCM | 500 | 750 | 2 | 1 5/8 | 3 | 9/16 | 5/8 | 1 3/4 | 3/8 |
| HL75-4 | HLA75-4-45 | HLA75-4-90 | 500 MCM | 750 MCM | 500 | 750 | 3 | 2 1/4 | 2 1/4 | 7/16 | 5/8 | 1 | 3/8 |
| HL75-4N | HLA75-4N-45 | HLA75-4N-90 | 500 MCM | 750 MCM | 500 | 750 | 3 | 3 | 3 | 9/16 | 5/8 | 1 3/4 | 3/8 |
| HL100-1 | HLA100-1-45 | HLA100-1-90 | 750 MCM | 1000 MCM | 800 | 1000 | 1 | 1 7/8 | 1 7/8 | 11/16 | 15/16 | - | 1/2 |
| HL100-2 | HLA100-2-45 | HLA100-2-90 | 750 MCM | 1000 MCM | 800 | 1000 | 2 | 1 7/8 | 2 1/2 | 9/16 | 5/8 | 1 1/4 | 1/2 |
| HL100-2N | HLA100-2N-45 | HLA100-2N-90 | 750 MCM | 1000 MCM | 800 | 1000 | 2 | 1 7/8 | 3 | 9/16 | 5/8 | 1 3/4 | 1/2 |
| HL100-4 | HLA100-4-45 | HLA100-4-90 | 750 MCM | 1000 MCM | 800 | 1000 | 3 | 2 1/2 | 2 1/2 | 7/16 | 5/8 | 1 1/4 | 1/2 |
| HL100-4N | HLA100-4N-45 | HLA100-4N-90 | 750 MCM | 1000 MCM | 800 | 1000 | 3 | 3 | 3 | 9/16 | 5/8 | 1 3/4 | 1/2 |
| HL150-1 | HLA150-1-45 | HLA150-1-90 | 1000 MCM | 1500 MCM | 1300 | 1300 | 1 | 2 3/16 | 2 1/8 | 13/16 | 1 1/16 | - | 9/16 |
| HL150-2 | HLA150-2-45 | HLA150-2-90 | 1000 MCM | 1500 MCM | 1300 | 1300 | 2 | 2 3/16 | 2 5/8 | 9/16 | 5/8 | 1 3/8 | 9/16 |
| HL150-2N | HLA150-2N-45 | HLA150-2N-90 | 1000 MCM | 1500 MCM | 1300 | 1300 | 2 | 2 3/16 | 3 | 9/16 | 5/8 | 1 3/4 | 9/16 |
| HL150-4 | HLA150-4-45 | HLA150-4-90 | 1000 MCM | 1500 MCM | 1300 | 1300 | 3 | 2 1/2 | 2 5/8 | 9/16 | 5/8 | 1 3/8 | 9/16 |
| HL150-4N | HLA150-4N-45 | HLA150-4N-90 | 1000 MCM | 1500 MCM | 1300 | 1300 | 3 | 3 | 3 | 9/16 | 5/8 | 1 3/4 | 9/16 |
| HL200-1 | HLA200-1-45 | HLA200-1-90 | 1500 MCM | 2000 MCM | 1500 | 2000 | 1 | 2 1/2 | 2 3/8 | 13/16 | 1 1/4 | - | 5/8 |
| HL200-2 | HLA200-2-45 | HLA200-2-90 | 1500 MCM | 2000 MCM | 1500 | 2000 | 2 | 2 1/2 | 2 3/4 | 9/16 | 5/8 | 1 1/2 | 5/8 |
| HL200-2N | HLA200-2N-45 | HLA200-2N-90 | 1500 MCM | 2000 MCM | 1500 | 2000 | 2 | 2 1/2 | 3 | 9/16 | 5/8 | 1 3/4 | 5/8 |
| HL200-4 | HLA200-4-45 | HLA200-4-90 | 1500 MCM | 2000 MCM | 1500 | 2000 | 3 | 2 5/8 | 2 3/4 | 9/16 | 5/8 | 1 1/2 | 5/8 |
| HL200-4N | HLA200-4N-45 | HLA200-4N-90 | 1500 MCM | 2000 MCM | 1500 | 2000 | 3 | 3 | 3 | 9/16 | 5/8 | 1 3/4 | 5/8 |





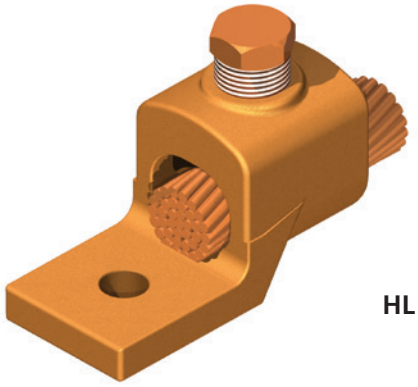
© 2011, AFL, all rights reserved. PP-3-00371, Revision 2, 6.1.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE HL, H2L, H3L, H4L

**Copper Set Screw Terminal. HL is a single condutor Herculon Connector, H2L is a two condutor HERCULON™ Connector, H3L is a three condutor Herculon Connector, and H4L is a four condutor Herculon Connector. HL-A has a set screw instead of the hex bolt.**

The HERCULON™ Lug is designed for quick and efficient installation. Its compact rigid structure makes it especially adaptable for assembly in inaccessible quarters. A high compressive clamping force on the cable conductors plus the additional gripping action of special serrated bearing areas makes for high electrical contact efficiency and pull out strength.



HL

### Material

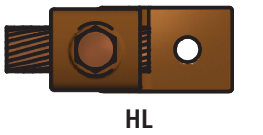
Copper Alloy

### Hardware

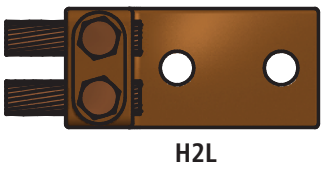
Everdur pressure bolt

### Notes

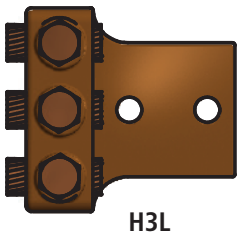
- For a 2 condutor, 4N NEMA pad, and 750 MCM cable order H2L75-4N
- For a 3 condutor, 4N NEMA pad, 750 MCM cable, and cap screw order H3L75-4NA
- For a 4 condutor, 4N NEMA pad, and 750 MCM cable order H4L75-4N
- For angled terminals add angle to end of catalog number. Example: H4L1-1-45



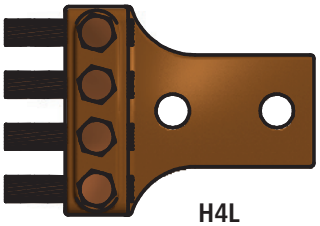
HL



H2L



H3L



H4L

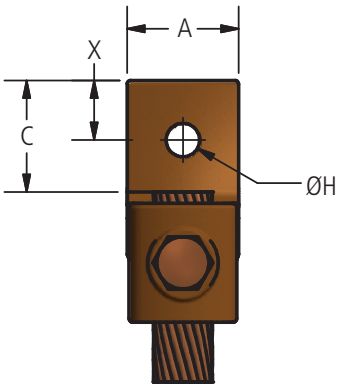
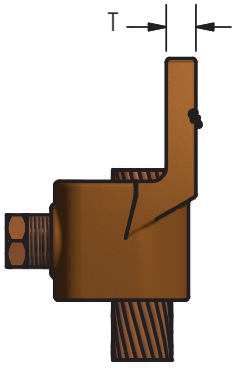



FIG. 1



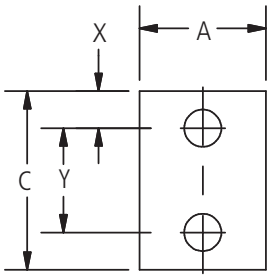




FIG. 2

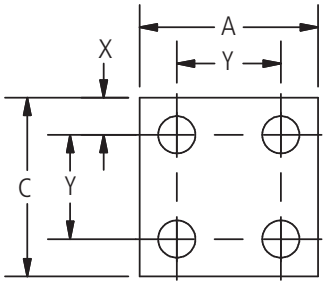



FIG. 3



© 2011, AFL, all rights reserved. PP-3-00370, Revision 1, 8.5.13
Specifications are subject to change without notice.

# DOSSERT®

## TYPE HL, H2L, H3L, H4L

**Copper Set Screw Terminal. HL is a single condutor Herculon Connector, H2L is a two condutor HERCULON™ Connector, H3L is a three condutor Herculon Connector, and H4L is a four condutor Herculon Connector. HL-A has a set screw instead of the hex bolt.**

### Ordering Information

| CATALOG NUMBER | | | | COMMERCIAL CABLE SIZE | | NAVY CABLE SIZE | | FIG. NO. | DIMENSIONS IN INCHES | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ONE CABLE | TWO CABLES | THREE CABLES | FOUR CABLES | MIN | MAX | MIN | MAX | | A | C | H | X | Y | T |
| HL1-1 | H2L1-1 | H3L1-1 | H4L1-1 | 14 SOL | 8 STR | 4 | 14 | 1 | 1/2 | 5/8 | 7/32 | 5/16 | - | 3/16 |
| HL1-2 | H2L1-2 | H3L1-2 | H4L1-2 | 14 SOL | 8 STR | 4 | 14 | 2 | 1/2 | 1 1/4 | 7/32 | 5/16 | 5/8 | 3/16 |
| HL4-1 | H2L4-1 | H3L4-1 | H4L4-1 | 8 SOL | 4 STR | 23 | 40 | 1 | 1/2 | 5/8 | 9/32 | 5/16 | - | 3/16 |
| HL4-2 | H2L4-2 | H3L4-2 | H4L4-2 | 8 SOL | 4 STR | 23 | 40 | 2 | 1/2 | 1 1/4 | 9/32 | 5/16 | 5/8 | 3/16 |
| HL8-1 | H2L8-1 | H3L8-1 | H4L8-1 | 4 SOL | 1 STR | 50 | 75 | 1 | 11/16 | 11/16 | 9/32 | 11/32 | - | 7/32 |
| HL8-2 | H2L8-2 | H3L8-2 | H4L8-2 | 4 SOL | 1 STR | 50 | 75 | 2 | 11/16 | 1 3/8 | 9/32 | 5/16 | 3/4 | 7/32 |
| HL13-1 | H2L13-1 | H3L13-1 | H4L13-1 | 1 STR | 2/0 STR | 100 | 125 | 1 | 13/16 | 7/8 | 7/16 | 7/16 | - | 7/32 |
| HL13-2 | H2L13-2 | H3L13-2 | H4L13-2 | 1 STR | 2/0 STR | 100 | 125 | 2 | 13/16 | 1 3/4 | 11/32 | 3/8 | 1 | 7/32 |
| HL21-1 | H2L21-1 | H3L21-1 | H4L21-1 | 2/0 STR | 4/0 STR | 150 | 200 | 1 | 1 | 1 | 7/16 | 1/2 | - | 1/4 |
| HL21-2 | H2L21-2 | H3L21-2 | H4L21-2 | 2/0 STR | 4/0 STR | 150 | 200 | 2 | 1 | 1 3/4 | 7/16 | 3/8 | 1 | 1/4 |
| HL21-2N | H2L21-2N | H3L21-2N | H4L21-2N | 2/0 STR | 4/0 STR | 150 | 200 | 2 | 1 | 3 | 9/16 | 5/8 | 1 3/4 | 1/4 |
| HL30-1 | H2L30-1 | H3L30-1 | H4L30-1 | 4/0 STR | 300 MCM | 250 | 300 | 1 | 1 1/16 | 1 1/4 | 9/16 | 5/8 | - | 5/16 |
| HL30-2 | H2L30-2 | H3L30-2 | H4L30-2 | 4/0 STR | 300 MCM | 250 | 300 | 2 | 1 1/16 | 2 | 7/16 | 7/16 | 1 | 5/16 |
| HL30-2N | H2L30-2N | H3L30-2N | H4L30-2N | 4/0 STR | 300 MCM | 250 | 300 | 2 | 1 1/16 | 3 | 9/16 | 5/8 | 1 3/4 | 5/16 |
| HL35-1 | H2L35-1 | H3L35-1 | H4L35-1 | 250 MCM | 350 MCM | 250 | 350 | 1 | 1 1/8 | 1 1/4 | 9/16 | 5/8 | - | 5/16 |
| HL35-2 | H2L35-2 | H3L35-2 | H4L35-2 | 250 MCM | 350 MCM | 250 | 350 | 2 | 1 1/8 | 2 | 7/16 | 7/16 | 1 | 5/16 |
| HL35-2N | H2L35-2N | H3L35-2N | H4L35-2N | 250 MCM | 350 MCM | 250 | 350 | 2 | 1 1/8 | 3 | 9/16 | 5/8 | 1 3/4 | 5/16 |
| HL50-1 | H2L50-1 | H3L50-1 | H4L50-1 | 300 MCM | 500 MCM | 400 | 500 | 1 | 1 3/8 | 1 3/8 | 9/16 | 11/16 | - | 11/32 |
| HL50-2 | H2L50-2 | H3L50-2 | H4L50-2 | 300 MCM | 500 MCM | 400 | 500 | 2 | 1 3/8 | 2 | 7/16 | 7/16 | 1 | 11/32 |
| HL50-2N | H2L50-2N | H3L50-2N | H4L50-2N | 300 MCM | 500 MCM | 400 | 500 | 2 | 1 3/8 | 3 | 9/16 | 5/8 | 1 3/4 | 11/32 |
| HL50-4 | H2L50-4 | H3L50-4 | H4L50-4 | 300 MCM | 500 MCM | 400 | 500 | 3 | 2 | 2 | 7/16 | 7/16 | 1 | 11/32 |
| HL50-4N | H2L50-4N | H3L50-4N | H4L50-4N | 300 MCM | 500 MCM | 400 | 500 | 3 | 3 | 3 | 9/16 | 5/8 | 1 3/4 | 11/32 |
| HL75-1 | H2L75-1 | H3L75-1 | H4L75-1 | 500 MCM | 750 MCM | 500 | 750 | 1 | 1 5/8 | 1 3/4 | 11/16 | 7/8 | - | 3/8 |
| HL75-2 | H2L75-2 | H3L75-2 | H4L75-2 | 500 MCM | 750 MCM | 500 | 750 | 2 | 1 5/8 | 2 1/4 | 9/16 | 9/16 | 1 1/8 | 3/8 |
| HL75-2N | H2L75-2N | H3L75-2N | H4L75-2N | 500 MCM | 750 MCM | 500 | 750 | 2 | 1 5/8 | 3 | 9/16 | 5/8 | 1 3/4 | 3/8 |
| HL75-4 | H2L75-4 | H3L75-4 | H4L75-4 | 500 MCM | 750 MCM | 500 | 750 | 3 | 2 1/4 | 2 1/4 | 7/16 | 5/8 | 1 | 3/8 |
| HL75-4N | H2L75-4N | H3L75-4N | H4L75-4N | 500 MCM | 750 MCM | 500 | 750 | 3 | 3 | 3 | 9/16 | 5/8 | 1 3/4 | 3/8 |
| HL100-1 | H2L100-1 | H3L100-1 | H4L100-1 | 750 MCM | 1000 MCM | 800 | 1000 | 1 | 1 7/8 | 1 7/8 | 11/16 | 15/16 | - | 1/2 |
| HL100-2 | H2L100-2 | H3L100-2 | H4L100-2 | 750 MCM | 1000 MCM | 800 | 1000 | 2 | 1 7/8 | 2 1/2 | 9/16 | 5/8 | 1 1/4 | 1/2 |
| HL100-2N | H2L100-2N | H3L100-2N | H4L100-2N | 750 MCM | 1000 MCM | 800 | 1000 | 2 | 1 7/8 | 3 | 9/16 | 5/8 | 1 3/4 | 1/2 |
| HL100-4 | H2L100-4 | H3L100-4 | H4L100-4 | 750 MCM | 1000 MCM | 800 | 1000 | 3 | 2 1/2 | 2 1/2 | 7/16 | 5/8 | 1 1/4 | 1/2 |
| HL100-4N | H2L100-4N | H3L100-4N | H4L100-4N | 750 MCM | 1000 MCM | 800 | 1000 | 3 | 3 | 3 | 9/16 | 5/8 | 1 3/4 | 1/2 |
| HL150-1 | H2L150-1 | H3L150-1 | H4L150-1 | 1000 MCM | 1500 MCM | 1300 | 1300 | 1 | 2 3/16 | 2 1/8 | 13/16 | 1 1/16 | - | 9/16 |
| HL150-2 | H2L150-2 | H3L150-2 | H4L150-2 | 1000 MCM | 1500 MCM | 1300 | 1300 | 2 | 2 3/16 | 2 5/8 | 9/16 | 5/8 | 1 3/8 | 9/16 |
| HL150-2N | H2L150-2N | H3L150-2N | H4L150-2N | 1000 MCM | 1500 MCM | 1300 | 1300 | 2 | 2 3/16 | 3 | 9/16 | 5/8 | 1 3/4 | 9/16 |
| HL150-4 | H2L150-4 | H3L150-4 | H4L150-4 | 1000 MCM | 1500 MCM | 1300 | 1300 | 3 | 2 1/2 | 2 5/8 | 9/16 | 5/8 | 1 3/8 | 1/2 |
| HL150-4N | H2L150-4N | H3L150-4N | H4L150-4N | 1000 MCM | 1500 MCM | 1300 | 1300 | 3 | 3 | 3 | 9/16 | 5/8 | 1 3/4 | 1/2 |
| HL200-1 | H2L200-1 | H3L200-1 | H4L200-1 | 1600 MCM | 2000 MCM | 1600 | 2000 | 1 | 2 1/2 | 2 3/8 | 13/16 | 13/16 | - | 5/8 |
| HL200-2 | H2L200-2 | H3L200-2 | H4L200-2 | 1600 MCM | 2000 MCM | 1600 | 2000 | 2 | 2 1/2 | 2 3/4 | 9/16 | 5/8 | 1 1/2 | 5/8 |
| HL200-2N | H2L200-2N | H3L200-2N | H4L200-2N | 1600 MCM | 2000 MCM | 1600 | 2000 | 2 | 2 1/2 | 3 | 9/16 | 5/8 | 1 3/4 | 5/8 |
| HL200-4 | H2L200-4 | H3L200-4 | H4L200-4 | 1600 MCM | 2000 MCM | 1600 | 2000 | 3 | 2 5/8 | 2 3/4 | 9/16 | 5/8 | 1 1/2 | 5/8 |
| HL200-4N | H2L200-4N | H3L200-4N | H4L200-4N | 1600 MCM | 2000 MCM | 1600 | 2000 | 3 | 3 | 3 | 9/16 | 5/8 | 1 3/4 | 5/8 |



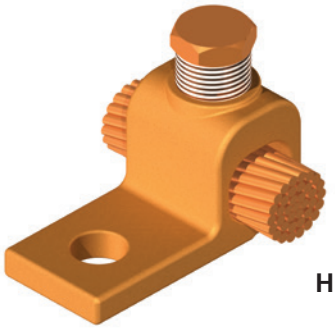


© 2011, AFL, all rights reserved. PP-3-00370, Revision 1, 8.5.13
Specifications are subject to change without notice.

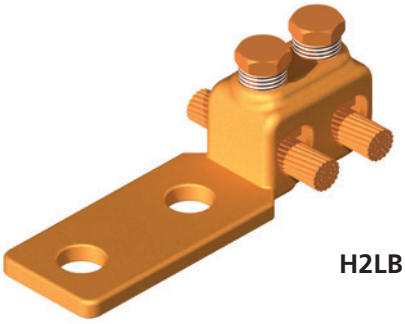
# DOSSERT®

## TYPE HLB, H2LB

A side entrance HERCULON™ variable type terminal for connecting wire or cable at right angles to terminal bar. Easily installed with any ordinary wrench. Serrated pressure bar confines conductor making for high contact efficiency. Its rugged design permits it to be re-used over and over. H2LB is for connecting two cables at right angle to terminal bar.



HLB



H2LB

### Material

Copper Alloy

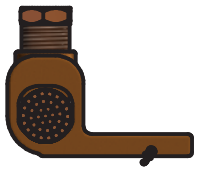
### Hardware

Everdur pressure bolt

### Note

For two 500 MCM to 4 hole 3" NEMA pad order: H2LB50-4N





HLB



H2LB

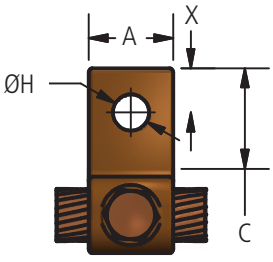
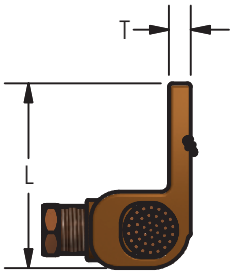



FIG. 1



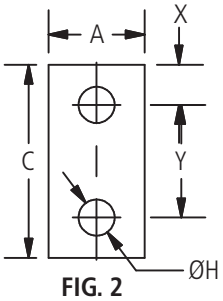




FIG. 2

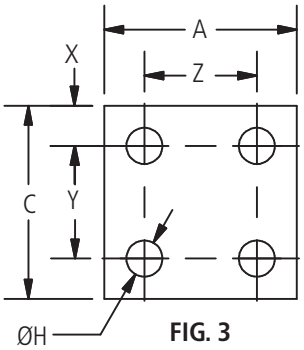



FIG. 3



© 2011, AFL, all rights reserved. PP-3-00372, Revision 1, 8.5.13
Specifications are subject to change without notice.

# DOSSERT®

## TYPE HLB, H2LB

### Ordering Information

| CATALOG NUMBER | | CABLE SIZE | | FIG. NO. | DIMENSIONS IN INCHES | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ONE CABLE | TWO CABLES | MINIMUM | MAXIMUM | | A | C | H | L | X | Y | Z | T |
| HLB4-1 | H2LB4-1 | 8 SOL | 4 STR | 1 | 1/2 | 5/8 | 9/32 | 1 1/4 | 5/16 | - | - | 3/16 |
| HLB4-2 | H2LB4-2 | 8 SOL | 4 STR | 2 | 1/2 | 1 1/4 | 9/32 | 1 7/8 | 5/16 | 5/8 | - | 3/16 |
| HLB8-1 | H2LB8-1 | 4 SOL | 1 STR | 1 | 11/16 | 11/16 | 9/32 | 1 9/16 | 11/32 | - | - | 7/32 |
| HLB8-2 | H2LB8-2 | 4 SOL | 1 STR | 2 | 11/16 | 1 3/8 | 9/32 | 2 1/4 | 5/16 | 3/4 | - | 7/32 |
| HLB13-1 | H2LB13-1 | 1 STR | 2/0 STR | 1 | 13/16 | 7/8 | 7/16 | 1 7/8 | 7/16 | - | - | 7/32 |
| HLB13-2 | H2LB13-2 | 1 STR | 2/0 STR | 2 | 13/16 | 1 5/8 | 11/32 | 2 5/8 | 3/8 | 7/8 | - | 7/32 |
| HLB21-1 | H2LB21-1 | 2/0 STR | 4/0 STR | 1 | 1 | 1 | 7/16 | 2 1/4 | 1/2 | - | - | 1/4 |
| HLB21-2 | H2LB21-2 | 2/0 STR | 4/0 STR | 2 | 1 | 1 3/4 | 7/16 | 3 | 3/8 | 1 | - | 1/4 |
| HLB21-2N | H2LB21-2N | 2/0 STR | 4/0 STR | 2 | 1 1/2 | 3 | 9/16 | 4 1/4 | 5/8 | 1 3/4 | - | 1/4 |
| HLB30-1 | H2LB30-1 | 4/0 STR | 300 MCM | 1 | 1 3/16 | 1 1/4 | 9/16 | 2 5/8 | 5/8 | - | - | 5/16 |
| HLB30-2 | H2LB30-2 | 4/0 STR | 300 MCM | 2 | 1 3/16 | 2 | 7/16 | 3 3/8 | 7/16 | 1 | - | 5/16 |
| HLB30-2N | H2LB30-2N | 4/0 STR | 300 MCM | 2 | 1 1/2 | 3 | 9/16 | 4 1/2 | 5/8 | 1 3/4 | - | 5/16 |
| HLB35-1 | H2LB35-1 | 250 MCM | 350 MCM | 1 | 1 3/16 | 1 1/4 | 9/16 | 2 5/8 | 5/8 | - | - | 5/16 |
| HLB35-2 | H2LB35-2 | 250 MCM | 350 MCM | 2 | 1 3/16 | 2 | 7/16 | 3 3/8 | 7/16 | 1 | - | 5/16 |
| HLB35-2N | H2LB35-2N | 250 MCM | 350 MCM | 2 | 1 1/2 | 3 | 9/16 | 4 1/2 | 5/8 | 1 3/4 | - | 5/16 |
| HLB50-1 | H2LB50-1 | 300 MCM | 500 MCM | 1 | 1 3/8 | 1 3/8 | 9/16 | 3 | 11/16 | - | - | 11/32 |
| HLB50-2 | H2LB50-2 | 300 MCM | 500 MCM | 2 | 1 3/8 | 2 | 7/16 | 3 9/16 | 7/16 | 1 | - | 11/32 |
| HLB50-2N | H2LB50-2N | 300 MCM | 500 MCM | 2 | 1 1/2 | 3 | 9/16 | 4 5/8 | 5/8 | 1 3/4 | - | 11/32 |
| HLB50-4 | H2LB50-4 | 300 MCM | 500 MCM | 3 | 2 | 2 | 7/16 | 3 9/16 | 7/16 | 1 | 1 | 11/32 |
| HLB50-4N | H2LB50-4N | 300 MCM | 500 MCM | 3 | 3 | 3 | 9/16 | 4 5/8 | 5/8 | 1 3/4 | 1 3/4 | 11/32 |
| HLB75-1 | H2LB75-1 | 500 MCM | 750 MCM | 1 | 1 5/8 | 1 3/4 | 11/16 | 3 5/8 | 7/8 | - | - | 3/8 |
| HLB75-2 | H2LB75-2 | 500 MCM | 750 MCM | 2 | 1 5/8 | 2 1/4 | 9/16 | 4 1/8 | 9/16 | 1 1/8 | - | 3/8 |
| HLB75-2N | H2LB75-2N | 500 MCM | 750 MCM | 2 | 1 5/8 | 3 | 9/16 | 4 7/8 | 5/8 | 1 3/4 | - | 3/8 |
| HLB75-4 | H2LB75-4 | 500 MCM | 750 MCM | 3 | 2 1/4 | 2 1/4 | 7/16 | 4 1/8 | 5/8 | 1 | 1 | 3/8 |
| HLB75-4N | H2LB75-4N | 500 MCM | 750 MCM | 3 | 3 | 3 | 9/16 | 4 7/8 | 5/8 | 1 3/4 | 1 3/4 | 3/8 |
| HLB100-1 | H2LB100-1 | 750 MCM | 1000 MCM | 1 | 1 7/8 | 1 7/8 | 11/16 | 4 1/8 | 15/16 | - | - | 1/2 |
| HLB100-2 | H2LB100-2 | 750 MCM | 1000 MCM | 2 | 1 7/8 | 2 1/2 | 9/16 | 4 5/8 | 5/8 | 1 1/4 | - | 1/2 |
| HLB100-2N | H2LB100-2N | 750 MCM | 1000 MCM | 2 | 1 7/8 | 3 | 9/16 | 4 7/8 | 5/8 | 1 3/4 | - | 1/2 |
| HLB100-4 | H2LB100-4 | 750 MCM | 1000 MCM | 3 | 2 1/2 | 2 1/2 | 7/16 | 4 5/8 | 5/8 | 1 1/4 | 1 1/4 | 1/2 |
| HLB100-4N | H2LB100-4N | 750 MCM | 1000 MCM | 3 | 3 | 3 | 9/16 | 4 7/8 | 5/8 | 1 3/4 | 1 3/4 | 1/2 |
| HLB150-1 | H2LB150-1 | 1000 MCM | 1500 MCM | 1 | 2 1/8 | 2 1/8 | 13/16 | 4 1/2 | 1 1/16 | - | - | 9/16 |
| HLB150-2 | H2LB150-2 | 1000 MCM | 1500 MCM | 2 | 2 1/8 | 2 5/8 | 9/16 | 4 3/4 | 5/8 | 1 3/8 | - | 9/16 |
| HB150-2N | HB150-2N | 1000 MCM | 1500 MCM | 2 | 2 1/8 | 3 | 9/16 | 4 7/8 | 5/8 | 1 3/4 | - | 9/16 |
| HLB150-4 | H2LB150-4 | 1000 MCM | 1500 MCM | 3 | 2 5/8 | 2 5/8 | 9/16 | 4 3/4 | 5/8 | 1 3/8 | 1 3/8 | 9/16 |
| HLB150-4N | H2LB150-4N | 1000 MCM | 1500 MCM | 3 | 3 | 3 | 9/16 | 4 7/8 | 5/8 | 1 3/4 | 1 3/4 | 9/16 |





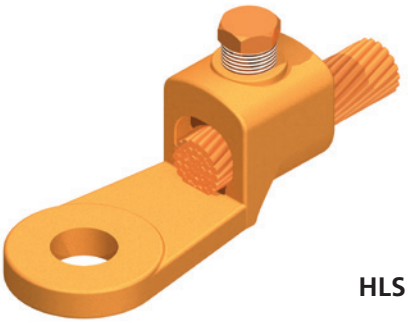
© 2011, AFL, all rights reserved. PP-3-00372, Revision 1, 8.5.13
Specifications are subject to change without notice.

# DOSSERT®

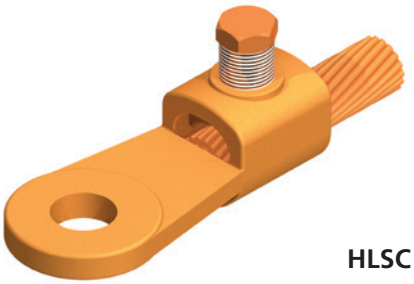
## TYPE HLS, HLSC

### Copper Terminal for Cable to Stud Posts

An efficient and easy to install variable type terminal for connecting wires or cables to studposts of electrical equipment. The wire or cable connector is securely clamped in position by merely tightening the pressure screw. The full bearing length of cable is clamped by means of an internal pressure pad curved to fit the conductor.



HLS



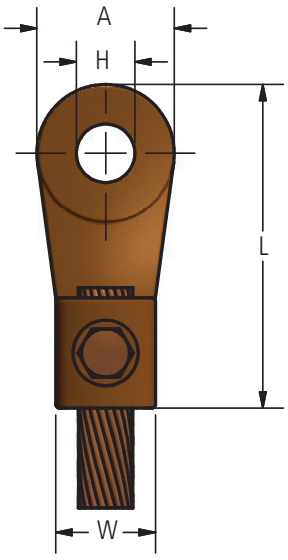
HLSC

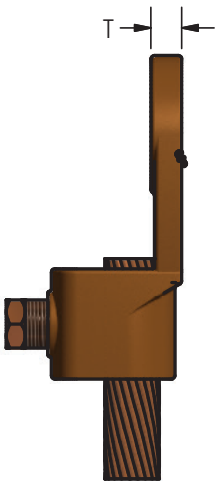
### Material

Copper Alloy

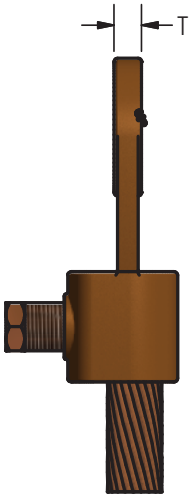
### Hardware

Everdur pressure bolt




HLS




HLSC

## Ordering Information

| CATALOG NUMBER | | CABLE SIZE | | STUD DIA. | DIMENSIONS IN INCHES | | | | |
|---|---|---|---|---|---|---|---|---|---|
| HLS | HLSC | MIN | MAX | | A | H | L | T | W |
| HLS1-25 | HLSC1-25 | 14 SOL | 8 STR | 1/4 | 3/4 | 9/32 | 1 1/2 | 3/16 | 15/32 |
| HLS4-25 | HLSC4-25 | 8 SOL | 4 STR | 1/4 | 3/4 | 9/32 | 1 9/16 | 1/4 | 1/2 |
| HLS8-25 | HLSC8-25 | 4 SOL | 1 STR | 1/4 | 3/4 | 9/32 | 1 11/16 | 9/32 | 11/16 |
| HLS1-38 | HLSC1-38 | 14 SOL | 8 STR | 3/8 | 1 | 13/32 | 1 3/4 | 3/16 | 15/32 |
| HLS4-38 | HLSC4-38 | 8 SOL | 4 STR | 3/8 | 1 | 13/32 | 1 13/16 | 1/4 | 1/2 |
| HLS8-38 | HLSC8-38 | 4 SOL | 1 STR | 3/8 | 1 | 13/32 | 1 15/16 | 9/32 | 11/16 |
| HLS8-50 | HLSC8-50 | 4 SOL | 1 STR | 1/2 | 1 1/4 | 17/32 | 2 3/16 | 1/4 | 11/16 |
| HLS13-50 | HLSC13-50 | 1 STR | 2/0 STR | 1/2 | 1 1/4 | 17/32 | 2 7/16 | 9/32 | 13/16 |
| HLS21-50 | HLSC21-50 | 2/0 STR | 4/0 STR | 1/2 | 1 1/4 | 17/32 | 2 11/16 | 5/16 | 1 |
| HLS30-63 | HLSC30-63 | 4/0 STR | 300 MCM | 5/8 | 1 1/2 | 21/32 | 3 3/16 | 3/8 | 1 3/16 |
| HLS35-63 | HLSC35-63 | 250 MCM | 350 MCM | 5/8 | 1 1/2 | 21/32 | 3 1/4 | 3/8 | 1 1/4 |
| HLS50-63 | HLSC50-63 | 300 MCM | 500 MCM | 5/8 | 1 1/2 | 21/32 | 3 1/4 | 3/8 | 1 11/32 |
| HLS75-63 | HLSC75-63 | 500 MCM | 750 MCM | 5/8 | 1 1/2 | 21/32 | 3 1/2 | 7/16 | 1 19/32 |
| HLS30-75 | HLSC30-75 | 4/0 STR | 300 MCM | 3/4 | 1 7/8 | 25/32 | 3 9/16 | 3/8 | 1 3/16 |
| HLS35-75 | HLSC35-75 | 250 MCM | 350 MCM | 3/4 | 1 7/8 | 25/32 | 3 5/8 | 3/8 | 1 1/4 |
| HLS50-75 | HLSC50-75 | 300 MCM | 500 MCM | 3/4 | 1 7/8 | 25/32 | 3 5/8 | 3/8 | 1 11/32 |
| HLS75-75 | HLSC75-75 | 500 MCM | 750 MCM | 3/4 | 1 7/8 | 25/32 | 3 7/8 | 7/16 | 1 19/32 |
| HLS50-100 | HLSC50-100 | 300 MCM | 500 MCM | 1 | 2 1/2 | 1.03125 | 4 1/4 | 3/8 | 1 11/32 |
| HLS75-100 | HLSC75-100 | 500 MCM | 750 MCM | 1 | 2 1/2 | 1.03125 | 4 1/2 | 7/16 | 1 19/32 |
| HLS100-100 | HLSC100-100 | 750 MCM | 1000 MCM | 1 | 2 1/2 | 1.03125 | 4 13/16 | 1/2 | 1 15/16 |



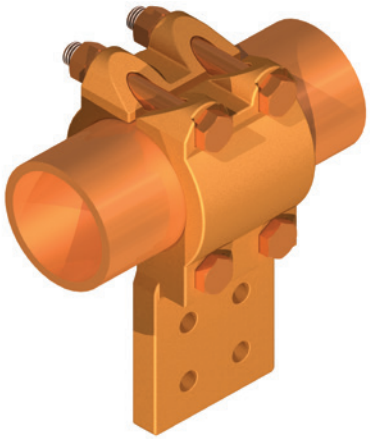


© 2011, AFL, all rights reserved. PP-3-00373, Revision 0, 3.10.11
Specifications are subject to change without notice.

# TYPE PFTS

## Pipe To Flat Bar Tee Connector

A tee connector for joining a single bar tap conductor to a tubular bus run. Made of high conductivity cast copper alloy.



**Material**
Copper Alloy

**Hardware**
Everdur bolts, nuts, and lockwashers.

**Notes**

- For finish on both surfaces, add suffix "F" to end of catalog number.
  EX: PFTS100-1-2NF
- For tin plating add suffix "-SN" to end of catalog number.
  EX: PFTS100-1-2N-SN

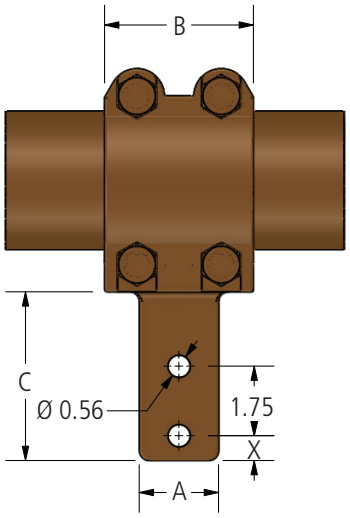



FIG. 1

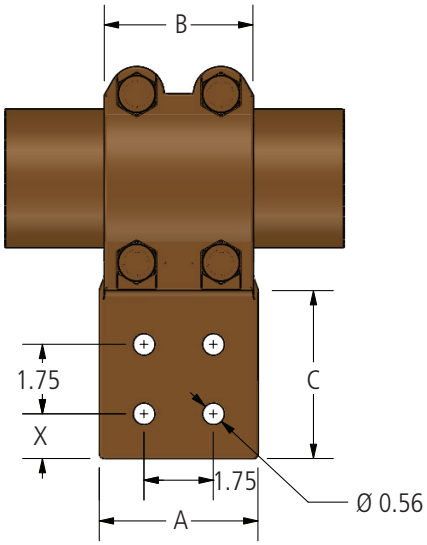
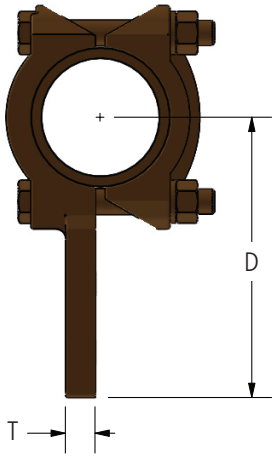



FIG. 2



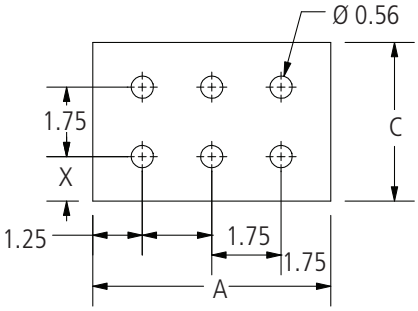




FIG. 3

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2011, AFL, all rights reserved. PP-3-00394, Revision 6, 11.3.2025
Specifications are subject to change without notice.

# TYPE PFTS

## Pipe To Flat Bar Tee Connector

### Ordering Information

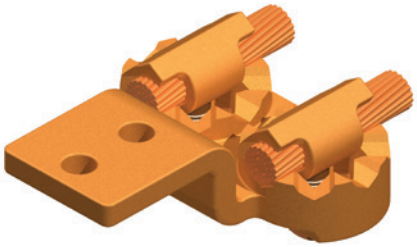
| Catalog Number | SPS | Fig. No. | Dimensions in Inches | | | | | | Bolt Size |
|---|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | D | T | X | |
| PFTS75-1-2N | 3/4 | 1 | 2.00 | 2.00 | 3.00 | 4.63 | 0.38 | 0.63 | 1/2 |
| PFTS75-1-3N | 3/4 | 2 | 3.00 | 2.00 | 3.00 | 4.50 | 0.31 | 0.63 | 3/8 |
| PFTS100-1-2N | 1 | 1 | 2.00 | 2.13 | 3.00 | 4.63 | 0.38 | 0.63 | 1/2 |
| PFTS100-1-3N | 1 | 2 | 3.00 | 2.13 | 3.00 | 4.81 | 0.38 | 0.63 | 1/2 |
| PFTS100-1-4N | 1 | 2 | 4.00 | 2.13 | 3.00 | 4.81 | 0.38 | 0.63 | 1/2 |
| PFTS125-1-2N | 1 1/4 | 1 | 2.00 | 2.50 | 3.00 | 4.94 | 0.50 | 0.63 | 1/2 |
| PFTS125-1-4N | 1 1/4 | 2 | 3.00 | 2.50 | 3.00 | 5.06 | 0.50 | 0.63 | 1/2 |
| PFTS125-1-4N4 | 1 1/4 | 2 | 4.00 | 2.50 | 3.00 | 4.94 | 0.50 | 0.63 | 1/2 |
| PFTS150-1-2N | 1 1/2 | 1 | 2.00 | 2.63 | 3.00 | 5.06 | 0.50 | 0.63 | 1/2 |
| PFTS150-1-3N | 1 1/2 | 2 | 3.00 | 2.63 | 3.00 | 5.06 | 0.50 | 0.63 | 1/2 |
| PFTS150-1-4N4 | 1 1/2 | 2 | 4.00 | 2.63 | 4.00 | 6.06 | 0.50 | 1.13 | 1/2 |
| PFTS150-1-4N | 1 1/2 | 2 | 4.00 | 2.63 | 3.00 | 5.06 | 0.50 | 0.63 | 1/2 |
| PFTS200-1-2N | 2 | 1 | 2.00 | 2.75 | 3.00 | 5.31 | 0.63 | 0.63 | 1/2 |
| PFTS200-1-3N | 2 | 2 | 3.00 | 2.75 | 3.00 | 5.31 | 0.63 | 0.63 | 1/2 |
| PFTS200-1-4N4 | 2 | 2 | 4.00 | 2.75 | 4.00 | 6.31 | 0.63 | 1.13 | 1/2 |
| PFTS200-1-4N | 2 | 2 | 4.00 | 2.75 | 3.00 | 5.31 | 0.63 | 0.63 | 1/2 |
| PFTS250-1-2N | 2 1/2 | 1 | 2.00 | 2.75 | 3.00 | 5.56 | 0.50 | 0.63 | 1/2 |
| PFTS250-1-3N | 2 1/2 | 2 | 3.00 | 2.75 | 3.00 | 5.56 | 0.50 | 0.63 | 1/2 |
| PFTS250-1-4N4 | 2 1/2 | 2 | 4.00 | 2.75 | 4.00 | 6.31 | 0.50 | 1.13 | 1/2 |
| PFTS250-1-4N | 2 1/2 | 2 | 4.00 | 2.75 | 3.00 | 5.56 | 0.50 | 0.63 | 1/2 |
| PFTS300-1-2N | 3 | 1 | 2.00 | 3.25 | 3.00 | 6.06 | 0.75 | 0.63 | 5/8 |
| PFTS300-1-3N | 3 | 2 | 3.00 | 3.25 | 3.00 | 6.06 | 0.75 | 0.63 | 5/8 |
| PFTS300-1-4N4 | 3 | 2 | 4.00 | 3.25 | 4.00 | 7.06 | 0.75 | 1.13 | 5/8 |
| PFTS300-1-4N | 3 | 2 | 4.00 | 3.25 | 3.00 | 6.06 | 0.75 | 0.63 | 5/8 |
| PFTS300-1-6N4 | 3 | 3 | 6.00 | 3.25 | 4.00 | 7.06 | 0.75 | 1.13 | 5/8 |
| PFTS350-1-2N | 3 1/2 | 1 | 2.00 | 3.25 | 3.25 | 6.31 | 0.88 | 0.63 | 5/8 |
| PFTS350-1-3N | 3 1/2 | 2 | 3.00 | 3.25 | 3.00 | 6.31 | 0.88 | 0.63 | 5/8 |
| PFTS350-1-4N4 | 3 1/2 | 2 | 4.00 | 3.25 | 4.00 | 7.31 | 0.88 | 1.13 | 5/8 |
| PFTS350-1-4N | 3 1/2 | 2 | 4.00 | 3.25 | 3.00 | 6.31 | 0.88 | 0.63 | 5/8 |
| PFTS400-1-3N | 4 | 2 | 3.00 | 3.25 | 3.00 | 6.56 | 0.88 | 0.63 | 5/8 |
| PFTS400-1-4N4 | 4 | 2 | 4.00 | 3.25 | 4.00 | 7.56 | 0.88 | 1.13 | 5/8 |
| PFTS400-1-4N | 4 | 2 | 4.00 | 3.25 | 3.00 | 6.56 | 0.88 | 0.63 | 5/8 |
| PFTS500-1-3N | 5 | 2 | 3.00 | 3.75 | 3.00 | 7.13 | 1.00 | 0.63 | 5/8 |
| PFTS500-1-4N4 | 5 | 2 | 4.00 | 3.75 | 4.00 | 8.13 | 1.00 | 1.13 | 5/8 |
| PFTS500-1-4N | 5 | 2 | 4.00 | 3.75 | 3.00 | 7.13 | 1.00 | 0.63 | 5/8 |
| PFTS500-1-6N4 | 5 | 3 | 6.00 | 3.75 | 4.00 | 8.13 | 1.00 | 1.13 | 5/8 |
| PFTS500R-1-4N4 | 5 OD | 2 | 4.00 | 3.25 | 4.00 | 7.81 | 1.00 | 1.13 | 5/8 |
| PFTS600-1-4N4 | 6 | 2 | 4.00 | 5.75 | 4.00 | 8.75 | 1.25 | 1.13 | 5/8 |

© 2011, AFL, all rights reserved. PP-3-00394, Revision 6, 11.3.2025
Specifications are subject to change without notice.

# DOSSERT®

## TYPE Q2LB

### Copper Compact Two Conductor Variable Angle Terminal



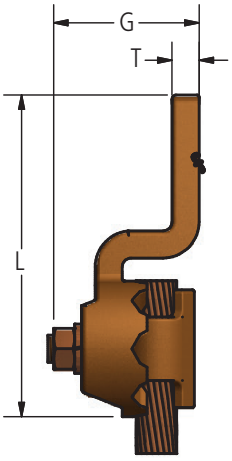
A double conductor compact terminal lug which accepts wide range of cable and various angular settings. Extremely useful for small clearance application.

**Material**

Copper Alloy

**Hardware**

Everdur nuts and lockwashers.



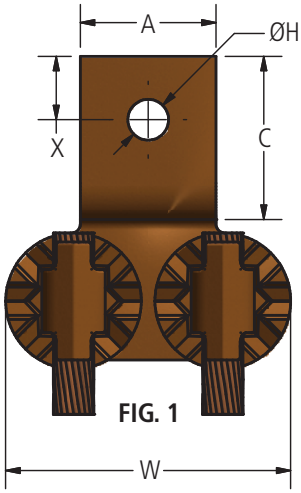




FIG. 1

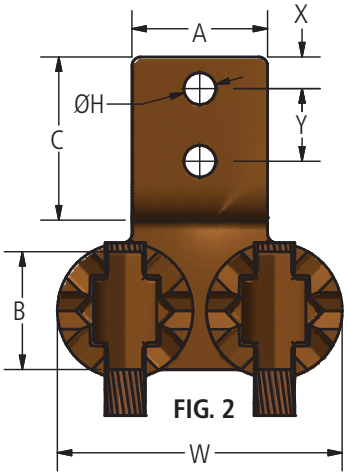



FIG. 2

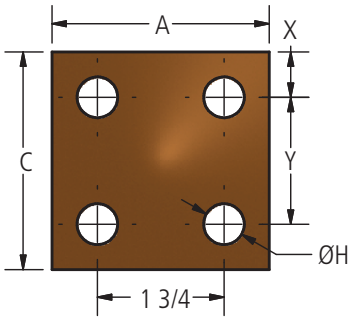



FIG. 3

## Ordering Information

| CATALOG NUMBER | CABLE RANGE | | FIG. NO. | DIMENSIONS IN INCHES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MIN | MAX | | A | B | C | G | H | L | T | W | X | Y |
| Q2LB6-1 | 8 SOL. | 2 STR. | 1 | 1 1/4 | 1 1/16 | 13/16 | 1 3/8 | 7/16 | 2 1/2 | 1/4 | 2 5/16 | 13/32 | - |
| Q2LB21-1 | 1/0 STR | 4/0 STR. | 1 | 1 7/8 | 1 7/8 | 1 3/4 | 2 1/4 | 9/16 | 4 5/16 | 3/8 | 3 15/16 | 7/8 | - |
| Q2LB21-2 | 1/0 STR | 4/0 STR. | 2 | 1 7/8 | 1 7/8 | 1 7/8 | 2 1/4 | 7/16 | 4 7/16 | 3/8 | 3 15/16 | 7/16 | - |
| Q2LB21-4 | 1/0 STR | 4/0 STR. | 3 | 2 | 1 7/8 | 2 | 2 1/4 | 7/16 | 4 3/8 | 5/16 | 3 15/16 | 1/2 | - |
| Q2LB50-2 | 1/0 STOL | 500 MCM | 2 | 2 1/2 | 2 3/16 | 1 7/8 | 2 5/8 | 7/16 | 4 5/8 | 3/8 | 4 1/4 | 7/16 | - |
| Q2LB50-4N | 250 MCM | 500 MCM | 3 | 3 | 1 15/16 | 3 | 2 5/8 | 9/16 | 6 3/4 | 3/8 | 4 3/16 | 5/8 | 1 3/4 |
| Q2LB75-2 | 350 MCM | 750 MCM | 2 | 3 | 2 1/4 | 2 | 3 1/4 | 9/16 | 6 5/8 | 3/8 | 5 1/8 | 7/16 | 1 1/8 |
| Q2LB80-4 | 500 MCM | 800 MCM | 3 | 3 | 2 5/16 | 1 7/8 | 3 3/8 | 7/16 | 6 5/16 | 3/8 | 5 1/8 | 7/16 | - |
| Q2LB100-4N | 500 MCM | 1000 MCM | 3 | 3 | 2 5/8 | 3 | 3 3/8 | 9/16 | 6 3/4 | 1/2 | 5 5/8 | 5/8 | 1 3/4 |





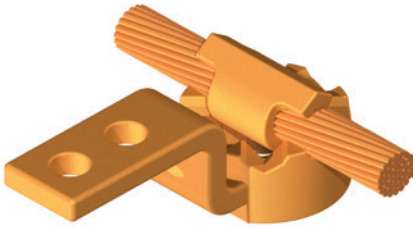
© 2011, AFL, all rights reserved. PP-3-00422, Revision 1, 8.5.13
Specifications are subject to change without notice.

# DOSSERT®

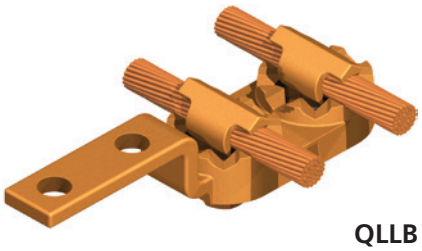
## TYPE QLB, QLLB

### Copper Variable Entrance Angle Terminal

An extremely versatile terminal which will accept a wide range of conductor sizes. Connector is constructed so as to allow cable entrance from various angles and to provide strong clamping pressure at points of contact.



QLB



QLLB

### Material

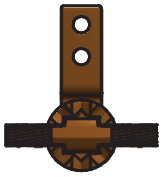
Copper Alloy

### Hardware

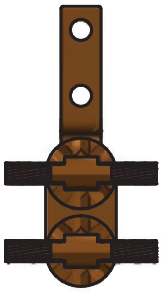
Everdur bolts, nuts and lockwashers

### Notes

- Contact pads furnished to any specification of drilled or undrilled hole size and spacing.
- For one cable variable terminal for a 500mcm cable, only one "L" should be placed in the catalog number, EX: QLB50-4N
- For two cable variable terminal for a 500mcm cable, place two "L"s in the catalog number, EX: QLLB50-4N
- For tin plating add suffix "-SN" to end of catalog number, EX: QLLB50-4N-SN



QLB



QLLB

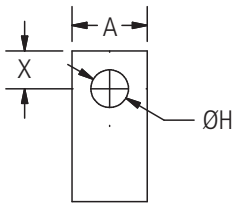



FIG. 1

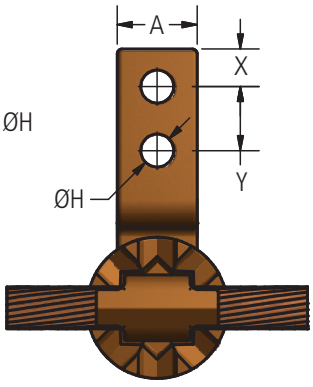



FIG. 2

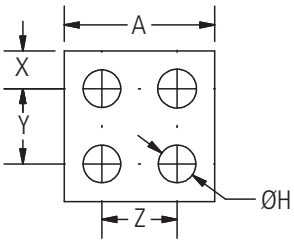
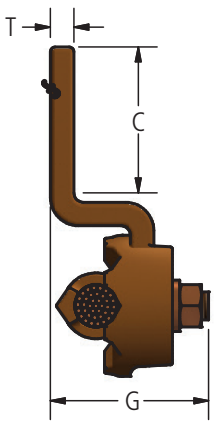



FIG. 3








© 2011, AFL, all rights reserved. PP-3-00426, Revision 1, 8.5.13
Specifications are subject to change without notice.

# DOSSERT®

## TYPE QLB, QLLB

### Copper Variable Entrance Angle Terminal

## Ordering Information

| CATALOG NUMBER | | CABLE RANGE | | FIG. NO. | DIMENSIONS IN INCHES | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| QLB | QLLB | MIN | MAX | | A | C | G | H | T | X | Y | Z |
| QLB6-1 | QLLB6-1 | #8 SOL | #2 STR | 1 | 13/16 | 7/8 | 1 3/8 | 7/16 | 1/4 | 13/32 | - | - |
| QLB6-2 | QLLB6-2 | #8 SOL | #2 STR | 2 | 3/4 | 1 1/2 | 1 3/8 | 11/32 | 1/4 | 3/8 | 3/4 | - |
| QLB10-1 | QLLB10-1 | #2 STR | 1/0 STR | 1 | 7/8 | 7/8 | 1 1/2 | 7/16 | 1/4 | 7/16 | - | - |
| QLB10-2 | QLLB10-2 | #2 STR | 1/0 STR | 2 | 7/8 | 1 5/8 | 1 1/2 | 11/32 | 1/4 | 11/32 | 7/8 | - |
| QLB21-1 | QLLB21-1 | 1/0 STR | 4/0 STR | 1 | 1 1/16 | 1 1/8 | 1 3/4 | 7/16 | 5/16 | 17/32 | - | - |
| QLB21-2 | QLLB21-2 | 1/0 STR | 4/0 STR | 2 | 1 1/16 | 1 7/8 | 1 3/4 | 7/16 | 5/16 | 13/32 | 1 | - |
| QLB21-2N | QLLB21-2N | 1/0 STR | 4/0 STR | 2 | 1 1/16 | 3 | 1 3/4 | 9/16 | 5/16 | 5/8 | 1 3/4 | - |
| QLB50-1 | QLLB50-1 | 250 MCM | 500 MCM | 1 | 1 3/8 | 1 1/2 | 2 1/4 | 9/16 | 3/8 | 3/4 | - | - |
| QLB50-2 | QLLB50-2 | 250 MCM | 500 MCM | 2 | 1 3/8 | 1 7/8 | 2 1/4 | 7/16 | 3/8 | 7/16 | 1 | - |
| QLB50-2N | QLLB50-2N | 250 MCM | 500 MCM | 2 | 1 3/8 | 3 | 2 1/4 | 9/16 | 3/8 | 5/8 | 1 3/4 | - |
| QLB50-4 | QLLB50-4 | 250 MCM | 500 MCM | 3 | 1 7/8 | 1 7/8 | 2 1/4 | 7/16 | 3/8 | 7/16 | 1 | 1 |
| QLB50-4N | QLLB50-4N | 250 MCM | 500 MCM | 3 | 3 | 3 | 2 1/4 | 9/16 | 3/8 | 5/8 | 1 3/4 | 1 3/4 |
| QLB80-1 | QLLB80-1 | 500 MCM | 800 MCM | 1 | 1 5/8 | 1 5/8 | 2 3/4 | 11/16 | 3/8 | 7/8 | - | - |
| QLB80-2 | QLLB80-2 | 500 MCM | 800 MCM | 2 | 1 5/8 | 2 | 2 3/4 | 7/16 | 3/8 | 7/16 | 1 1/8 | - |
| QLB80-2N | QLLB80-2N | 500 MCM | 800 MCM | 2 | 1 5/8 | 3 | 2 3/4 | 9/16 | 3/8 | 5/8 | 1 3/4 | - |
| QLB80-4 | QLLB80-4 | 500 MCM | 800 MCM | 3 | 1 7/8 | 2 | 2 3/4 | 7/16 | 3/8 | 7/16 | 1 | 1 |
| QLB80-4N | QLLB80-4N | 500 MCM | 800 MCM | 3 | 3 | 3 | 2 3/4 | 9/16 | 3/8 | 5/8 | 1 3/4 | 1 3/4 |
| QLB100-1 | QLLB100-1 | 750 MCM | 1000 MCM | 1 | 1 7/8 | 2 | 2 7/8 | 11/16 | 1/2 | 1 | - | - |
| QLB100-2 | QLLB100-2 | 750 MCM | 1000 MCM | 2 | 1 7/8 | 2 3/8 | 2 7/8 | 7/16 | 1/2 | 9/16 | 1 1/4 | - |
| QLB100-2N | QLLB100-2N | 750 MCM | 1000 MCM | 2 | 1 7/8 | 3 | 2 7/8 | 9/16 | 1/2 | 5/8 | 1 3/4 | - |
| QLB100-4 | QLLB100-4 | 750 MCM | 1000 MCM | 3 | 2 1/8 | 2 3/8 | 2 7/8 | 7/16 | 1/2 | 1/2 | 1 1/8 | 1 1/8 |
| QLB100-4N | QLLB100-4N | 750 MCM | 1000 MCM | 3 | 3 | 3 | 2 7/8 | 9/16 | 1/2 | 5/8 | 1 3/4 | 1 3/4 |





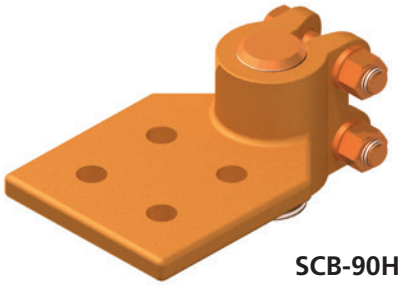
© 2011, AFL, all rights reserved. PP-3-00426, Revision 1, 8.5.13
Specifications are subject to change without notice.

# DOSSERT®

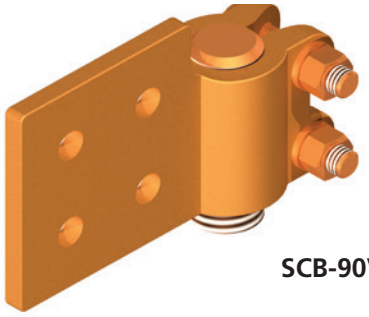
## TYPE SCB-90H, SCB-90V

### Copper Stud Connector To Flat Bar

A single bar connector for connecting bar conductors at right angles to a threaded or smooth stud. Furnished complete with all clamping bolts.



SCB-90H



SCB-90V

### Material

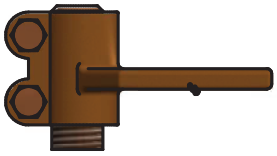
Copper Alloy

### Hardware

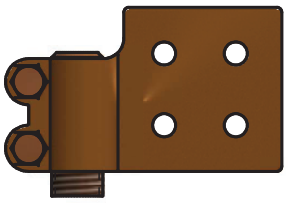
Everdur bolts, nuts and lockwashers

### Note

Also available for other sizes of studs and bar arrangements.



SCB-90H



SCB-90V

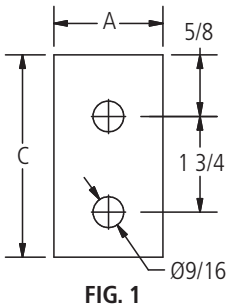



FIG. 1

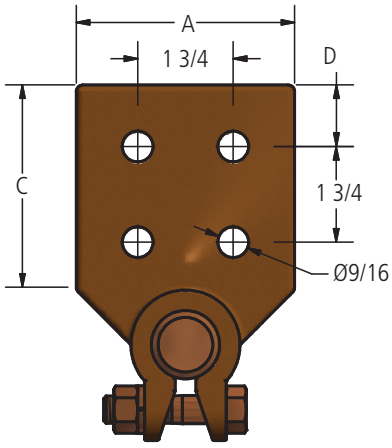
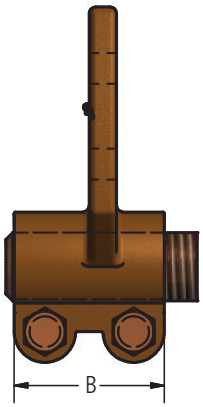



FIG. 2




## Ordering Information

| CATALOG NUMBER | | STUD DIAMETER | THREADS PER INCH | FIG. NO. | DIMENSIONS IN INCHES | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|
| SCV-90H SERIES | SCV-90V SERIES | | | | A | B | C | D | |
| SCB50-1-2N-90H-T13 | SCB50-1-2N-90V-T13 | 1/2 | 13 | 1 | 2 | 2 | 3 | 5/8 | 3/8 |
| SCB50-1-3N-90H-T13 | SCB50-1-3N-90V-T13 | 1/2 | 13 | 2 | 3 | 2 | 3 | 5/8 | 3/8 |
| SCB75-1-2N-90H-T16 | SCB75-1-2N-90V-T16 | 3/4 | 16 | 1 | 2 | 2 | 3 | 5/8 | 3/8 |
| SCB75-1-3N-90H-T16 | SCB75-1-3N-90V-T16 | 3/4 | 16 | 2 | 3 | 2 | 3 | 5/8 | 3/8 |
| SCB100-1-2N-90H-T14 | SCB100-1-2N-90V-T14 | 1 | 14 | 1 | 2 | 2 | 3 | 5/8 | 3/8 |
| SCB100-1-3N-90H-T14 | SCB100-1-3N-90V-T14 | 1 | 14 | 2 | 3 | 2 3/4 | 3 | 5/8 | 1/2 |
| SCB100-1-4N-90H-T14 | SCB100-1-4N-90V-T14 | 1 | 14 | 2 | 4 | 2 3/4 | 3 | 1 1/8 | 1/2 |
| SCB112-1-2N-90H-T12 | SCB112-1-2N-90V-T12 | 1 1/8 | 12 | 1 | 2 | 2 | 3 | 5/8 | 3/8 |
| SCB112-1-3N-90H-T12 | SCB112-1-3N-90V-T12 | 1 1/8 | 12 | 2 | 3 | 2 3/4 | 3 | 5/8 | 1/2 |
| SCB112-1-4N-90H-T12 | SCB112-1-4N-90V-T12 | 1 1/8 | 12 | 2 | 4 | 2 3/4 | 3 | 1 1/8 | 1/2 |
| SCB125-1-2N-90H-T12 | SCB125-1-2N-90V-T12 | 1 1/4 | 12 | 1 | 2 | 2 | 3 | 5/8 | 3/8 |
| SCB125-1-3N-90H-T12 | SCB125-1-3N-90V-T12 | 1 1/4 | 12 | 2 | 3 | 2 3/4 | 3 | 5/8 | 1/2 |
| SCB125-1-4N-90H-T12 | SCB125-1-4N-90V-T12 | 1 1/4 | 12 | 2 | 4 | 2 3/4 | 3 | 1 /18 | 1/2 |
| SCB150-1-2N-90H-T12 | SCB150-1-2N-90V-T12 | 1 1/2 | 12 | 1 | 2 | 2 | 3 | 5/8 | 3/8 |
| SCB150-1-3N-90H-T12 | SCB150-1-3N-90V-T12 | 1 1/2 | 12 | 2 | 3 | 2 3/4 | 3 | 5/8 | 1/2 |
| SCB150-1-4N-90H-T12 | SCB150-1-4N-90V-T12 | 1 1/2 | 12 | 2 | 4 | 2 3/4 | 3 | 1 1/8 | 1/2 |
| SCB200-1-2N-90H-T12 | SCB200-1-2N-90V-T12 | 2 | 12 | 1 | 2 | 2 | 3 | 5/8 | 3/8 |
| SCB200-1-3N-90H-T12 | SCB200-1-3N-90V-T12 | 2 | 12 | 2 | 3 | 2 3/4 | 3 | 5/8 | 1/2 |
| SCB200-1-4N-90H-T12 | SCB200-1-4N-90V-T12 | 2 | 12 | 2 | 4 | 2 3/4 | 3 | 1 1/8 | 1/2 |



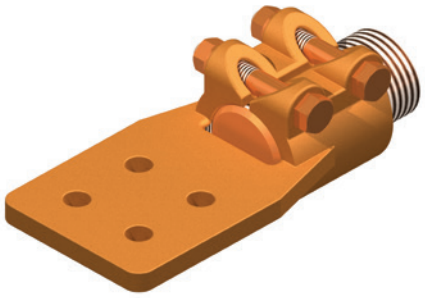
© 2011, AFL, all rights reserved. PP-3-00446, Revision 3, 3.28.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE SCB-F

### Stud Connector to Flat Bar Type

A single or multi-bar connector for connecting one or more flat bars to a threaded or plain stud. Can be furnished to accommodate stud diameters or threads per inch other than listed below.



### Material

High Conductiviity Cast Copper Alloy

### Hardware

Everdur bolts, nuts and lockwashers

### Note

For Tin Plating, add suffix "-SN" to end of catalog number. EX: SCB200-1/2F-4N4-T12-SN

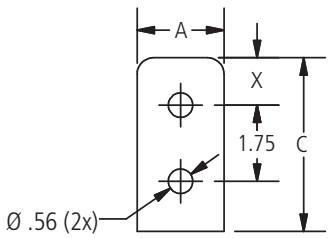



FIG. 1

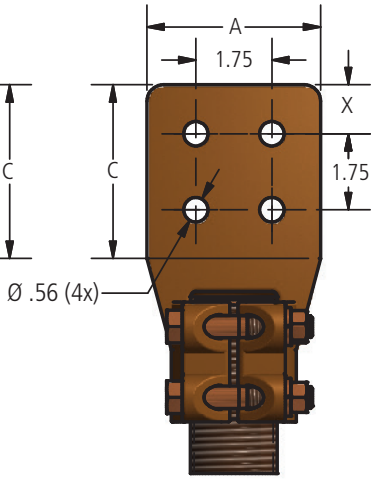



FIG. 2

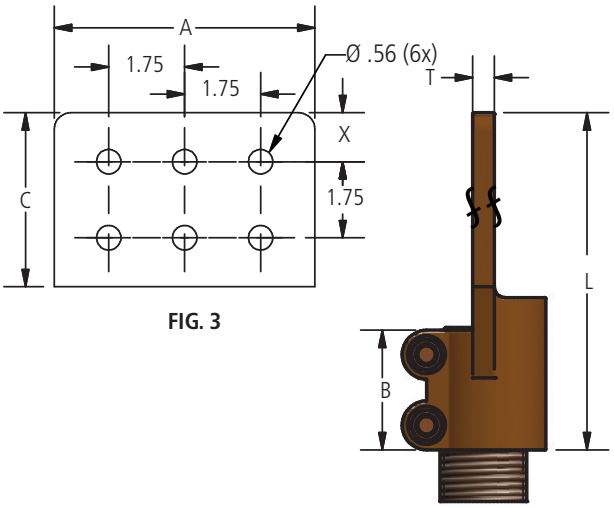



FIG. 3

## Ordering Information

| CATALOG NUMBER | STUD DIAMETER | THREADS PER INCH | FIG. NO. | DIMENSIONS IN INCHES | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | C | L | T | X |
| SCB63-1/4F-2N-T18 | 5/8 | 18 | 1 | 2 | 2 | 3 | 5 1/2 | 1/4 | 5/8 |
| SCB63-1/4F-3N-T18 | 5/8 | 18 | 2 | 3 | 2 | 3 | 5 1/2 | 1/4 | 5/8 |
| SCB63-1/4F-4N-T18 | 5/8 | 18 | 2 | 4 | 2 | 3 | 5 1/2 | 1/4 | 5/8 |
| SCB63-1/4F-4N4-T18 | 5/8 | 18 | 2 | 4 | 2 | 4 | 6 1/2 | 1/4 | 1 1/8 |
| SCB63-3/8F-2N-T18 | 5/8 | 18 | 1 | 2 | 2 | 3 | 5 1/2 | 3/8 | 5/8 |
| SCB63-3/8F-2N-T11 | 5/8 | 11 | 1 | 2 | 2 | 3 | 5 1/2 | 3/8 | 5/8 |
| SCB63-3/8F-3N-T18 | 5/8 | 18 | 2 | 3 | 2 | 3 | 5 1/2 | 3/8 | 5/8 |
| SCB63-3/8F-3N-T11 | 5/8 | 11 | 2 | 3 | 2 | 3 | 5 1/2 | 3/8 | 5/8 |
| SCB63-3/8F-3N-TM16 | 5/8 | M16 x 2.0 | 2 | 3 | 2 | 3 | 5 1/2 | 3/8 | 5/8 |
| SCB63-3/8F-4N-T18 | 5/8 | 18 | 2 | 4 | 2 | 3 | 5 1/2 | 3/8 | 5/8 |
| SCB63-3/8F-4N4-T18 | 5/8 | 18 | 2 | 4 | 2 | 4 | 6 1/2 | 3/8 | 1 1/8 |
| SCB75-1/4F-2N-T16 | 3/4 | 16 | 1 | 2 | 2 | 3 | 5 1/2 | 1/4 | 5/8 |
| SCB75-1/4F-3N-T16 | 3/4 | 16 | 2 | 3 | 2 | 3 | 5 1/2 | 1/4 | 5/8 |
| SCB75-1/4F-4N-T16 | 3/4 | 16 | 2 | 4 | 2 | 3 | 5 1/2 | 1/4 | 5/8 |
| SCB75-1/4F-4N4-T16 | 3/4 | 16 | 2 | 4 | 2 | 4 | 6 1/2 | 1/4 | 1 1/8 |
| SCB75-3/8F-2N-T16 | 3/4 | 16 | 1 | 2 | 2 | 3 | 5 1/2 | 3/8 | 5/8 |
| SCB75-3/8F-3N-T16 | 3/4 | 16 | 2 | 3 | 2 | 3 | 5 1/2 | 3/8 | 5/8 |
| SCB75-3/8F-4N-T16 | 3/4 | 16 | 2 | 4 | 2 | 3 | 5 1/2 | 3/8 | 5/8 |
| SCB75-3/8F-4N4-T16 | 3/4 | 16 | 2 | 4 | 2 | 4 | 6 1/2 | 3/8 | 1 1/8 |



© 2011, AFL, all rights reserved. PP-3-00447, Revision 4, 3.24.2023
Specifications are subject to change without notice.

DOSSERT®

# TYPE SCB-F

**Stud Connector to Flat Bar Type**

## Ordering Information

| CATALOG NUMBER | STUD DIAMETER | THREADS PER INCH | FIG. NO. | DIMENSIONS IN INCHES | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | C | L | T | X |
| SCB100-1/4F-2N-T14 | 1 | 14 | 1 | 2 | 2 | 3 | 5 3/8 | 1/4 | 5/8 |
| SCB100-1/4F-3N-T14 | 1 | 14 | 2 | 3 | 2 1/4 | 3 | 5 5/8 | 1/4 | 5/8 |
| SCB100-1/4F-4N-T14 | 1 | 14 | 2 | 4 | 2 1/4 | 3 | 5 5/8 | 1/4 | 5/8 |
| SCB100-1/4F-4N4-T14 | 1 | 14 | 2 | 4 | 2 1/4 | 4 | 6 5/8 | 1/4 | 1 1/8 |
| SCB100-1/4F-3N-T14 | 1 | 14 | 2 | 3 | 2 1/4 | 3 | 5 5/8 | 1/4 | 5/8 |
| SCB100-1/4F-4N-T14 | 1 | 14 | 2 | 4 | 2 1/4 | 3 | 5 5/8 | 1/4 | 5/8 |
| SCB100-1/4F-4N4-T14 | 1 | 14 | 2 | 4 | 2 1/4 | 4 | 6 5/8 | 1/4 | 1 1/8 |
| SCB100-3/8F-2N-T14 | 1 | 14 | 1 | 2 | 2 | 3 | 5 3/8 | 3/8 | 5/8 |
| SCB100-3/8F-3N-T14 | 1 | 14 | 2 | 3 | 2 1/4 | 3 | 5 5/8 | 3/8 | 5/8 |
| SCB100-3/8F-4N-T14 | 1 | 14 | 2 | 4 | 2 1/4 | 3 | 5 5/8 | 3/8 | 5/8 |
| SCB100-3/8F-4N4-T14 | 1 | 14 | 2 | 4 | 2 1/4 | 4 | 6 5/8 | 3/8 | 1 1/8 |
| SCB100-1/2F-2N-T14 | 1 | 14 | 1 | 2 | 2 | 3 | 5 3/8 | 1/2 | 5/8 |
| SCB100-1/2F-3N-T14 | 1 | 14 | 2 | 3 | 2 1/4 | 3 | 5 5/8 | 1/2 | 5/8 |
| SCB100-1/2F-4N-T14 | 1 | 14 | 2 | 4 | 2 1/4 | 3 | 5 5/8 | 1/2 | 5/8 |
| SCB100-1/2F-4N4-T14 | 1 | 14 | 2 | 4 | 2 1/4 | 4 | 6 5/8 | 1/2 | 1 1/8 |
| SCB112-1/4F-2N-T12 | 1 1/8 | 12 | 1 | 2 | 2 | 3 | 5 1/2 | 1/4 | 5/8 |
| SCB112-1/4F-3N-T12 | 1 1/8 | 12 | 2 | 3 | 2 1/4 | 3 | 5 3/4 | 1/4 | 5/8 |
| SCB112-1/4F-4N-T12 | 1 1/8 | 12 | 2 | 4 | 2 1/4 | 3 | 5 3/4 | 1/4 | 5/8 |
| SCB112-1/4F-4N4-T12 | 1 1/8 | 12 | 2 | 4 | 2 1/4 | 4 | 6 3/4 | 1/4 | 1 1/8 |
| SCB112-3/8F-2N-T12 | 1 1/8 | 12 | 1 | 2 | 2 | 3 | 5 1/2 | 3/8 | 5/8 |
| SCB112-3/8F-3N-T12 | 1 1/8 | 12 | 2 | 3 | 2 1/4 | 3 | 5 3/4 | 3/8 | 5/8 |
| SCB112-3/8F-4N-T12 | 1 1/8 | 12 | 2 | 4 | 2 1/4 | 3 | 5 3/4 | 3/8 | 5/8 |
| SCB112-3/8F-4N4-T12 | 1 1/8 | 12 | 2 | 4 | 2 1/4 | 4 | 6 3/4 | 3/8 | 1 1/8 |
| SCB112-1/2F-2N-T12 | 1 1/8 | 12 | 1 | 2 | 2 | 3 | 5 1/2 | 1/2 | 5/8 |
| SCB112-1/2F-3N-T12 | 1 1/8 | 12 | 2 | 3 | 2 1/4 | 3 | 5 3/4 | 1/2 | 5/8 |
| SCB112-1/2F-4N-T12 | 1 1/8 | 12 | 2 | 4 | 2 1/4 | 3 | 5 3/4 | 1/2 | 5/8 |
| SCB112-1/2F-4N4-T12 | 1 1/8 | 12 | 2 | 4 | 2 1/4 | 4 | 6 3/4 | 1/2 | 1 1/8 |
| SCB125-1/4F-2N-T12 | 1 1/4 | 12 | 1 | 2 | 2 | 3 | 5 1/2 | 1/4 | 5/8 |
| SCB125-1/4F-3N-T12 | 1 1/4 | 12 | 2 | 3 | 2 3/4 | 3 | 6 1/4 | 1/4 | 5/8 |
| SCB125-1/4F-4N-T12 | 1 1/4 | 12 | 2 | 4 | 2 3/4 | 3 | 6 1/4 | 1/4 | 5/8 |
| SCB125-1/4F-4N4-T12 | 1 1/4 | 12 | 2 | 4 | 2 3/4 | 4 | 7 1/4 | 1/4 | 1 1/8 |
| SCB125-3/8F-2N-T12 | 1 1/4 | 12 | 1 | 2 | 2 | 3 | 5 1/2 | 3/8 | 5/8 |
| SCB125-3/8F-3N-T12 | 1 1/4 | 12 | 2 | 3 | 2 3/4 | 3 | 6 1/4 | 3/8 | 5/8 |
| SCB125-3/8F-4N-T12 | 1 1/4 | 12 | 2 | 4 | 2 3/4 | 3 | 6 1/4 | 3/8 | 5/8 |
| SCB125-3/8F-4N4-T12 | 1 1/4 | 12 | 2 | 4 | 2 3/4 | 4 | 7 1/4 | 3/8 | 1 1/8 |
| SCB125-1/2F-2N-T12 | 1 1/4 | 12 | 1 | 2 | 2 | 3 | 5 1/2 | 1/2 | 5/8 |
| SCB125-1/2F-3N-T12 | 1 1/4 | 12 | 2 | 3 | 2 3/4 | 3 | 6 1/4 | 1/2 | 5/8 |
| SCB125-1/2F-4N-T12 | 1 1/4 | 12 | 2 | 4 | 2 3/4 | 3 | 6 1/4 | 1/2 | 5/8 |
| SCB125-1/2F-4N4-T12 | 1 1/4 | 12 | 2 | 4 | 2 3/4 | 4 | 7 1/4 | 1/2 | 1 1/8 |
| SCB143-1/2F-4N4-T0 | 1 7/16 | 0 | 2 | 4 | 2 3/4 | 4 | 7 1/4 | 1/2 | 1 1/8 |
| SCB150-3/8F-2N-T12 | 1 1/2 | 12 | 1 | 2 | 2 | 3 | 5 1/2 | 3/8 | 5/8 |
| SCB150-3/8F-3N-T12 | 1 1/2 | 12 | 2 | 3 | 2 3/4 | 3 | 6 1/4 | 3/8 | 5/8 |
| SCB150-3/8F-4N-T12 | 1 1/2 | 12 | 2 | 4 | 2 3/4 | 3 | 6 1/4 | 3/8 | 5/8 |
| SCB150-3/8F-4N4-T12 | 1 1/2 | 12 | 2 | 4 | 2 3/4 | 4 | 7 1/4 | 3/8 | 1 1/8 |
| SCB150-1/2F-2N-T12 | 1 1/2 | 12 | 1 | 2 | 2 | 3 | 5 1/2 | 1/2 | 5/8 |
| SCB150-1/2F-3N-T12 | 1 1/2 | 12 | 2 | 3 | 2 3/4 | 3 | 6 1/4 | 1/2 | 5/8 |
| SCB150-1/2F-4N-T12 | 1 1/2 | 12 | 2 | 4 | 2 3/4 | 3 | 6 1/4 | 1/2 | 5/8 |
| SCB150-1/2F-4N4-T12 | 1 1/2 | 12 | 2 | 4 | 2 3/4 | 4 | 7 1/4 | 1/2 | 1 1/8 |
| SCB150-1/2F-6N4-T12 | 1 1/2 | 12 | 3 | 6 | 2 3/4 | 4 | 7 5/8 | 1/2 | 1 1/8 |
| SCB150-3/4F-2N-T12 | 1 1/2 | 12 | 1 | 2 | 2 | 3 | 5 1/2 | 3/4 | 5/8 |
| SCB150-3/4F-3N-T12 | 1 1/2 | 12 | 2 | 3 | 2 3/4 | 3 | 6 1/4 | 3/4 | 5/8 |
| SCB150-3/4F-4N-T12 | 1 1/2 | 12 | 2 | 4 | 2 3/4 | 3 | 6 1/4 | 3/4 | 5/8 |
| SCB150-3/4F-4N4-T12 | 1 1/2 | 12 | 2 | 4 | 2 3/4 | 4 | 7 1/4 | 3/4 | 1 1/8 |
| SCB150-1F-6N4-T12 | 1 1/2 | 12 | 3 | 6 | 2 3/4 | 4 | 7 5/8 | 1 | 1 1/8 |
| SCB157-1/2F-4N4-T0 | 40MM | 0 | 2 | 4 | 2 3/4 | 4 | 7 1/4 | 1/2 | 1 1/8 |
| SCB175-3/8F-2N-T12 | 1 3/4 | 12 | 1 | 2 | 2 3/4 | 3 | 5 1/2 | 3/8 | 5/8 |
| SCB175-3/8F-3N-T12 | 1 3/4 | 12 | 2 | 3 | 2 3/4 | 3 | 6 1/4 | 3/8 | 5/8 |
| SCB175-3/8F-4N-T12 | 1 3/4 | 12 | 2 | 4 | 2 3/4 | 3 | 6 1/4 | 3/8 | 5/8 |
| SCB175-3/8F-4N4-T12 | 1 3/4 | 12 | 2 | 4 | 2 3/4 | 4 | 7 1/4 | 3/8 | 1 1/8 |
| SCB175-1/2F-2N-T12 | 1 3/4 | 12 | 1 | 2 | 2 3/4 | 3 | 5 1/2 | 1/2 | 5/8 |
| SCB175-1/2F-3N-T12 | 1 3/4 | 12 | 2 | 3 | 2 3/4 | 3 | 6 1/4 | 1/2 | 5/8 |
| SCB175-1/2F-4N-T12 | 1 3/4 | 12 | 2 | 4 | 2 3/4 | 3 | 6 1/4 | 1/2 | 5/8 |
| SCB175-1/2F-4N4-T12 | 1 3/4 | 12 | 2 | 4 | 2 3/4 | 4 | 7 1/4 | 1/2 | 1 1/8 |



© 2011, AFL, all rights reserved. PP-3-00447, Revision 4, 3.24.2023
Specifications are subject to change without notice.

DOSSERT®

# TYPE SCB-F

## Stud Connector to Flat Bar Type

## Ordering Information

| CATALOG NUMBER | STUD DIAMETER | THREADS PER INCH | FIG. NO. | DIMENSIONS IN INCHES | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | C | L | T | X |
| SCB175-5/8F-2N-T12 | 1 3/4 | 12 | 1 | 2 | 2 3/4 | 3 | 5 1/2 | 5/8 | 5/8 |
| SCB175-5/8F-3N-T12 | 1 3/4 | 12 | 2 | 3 | 2 3/4 | 3 | 6 1/4 | 5/8 | 5/8 |
| SCB175-5/8F-4N-T12 | 1 3/4 | 12 | 2 | 4 | 2 3/4 | 3 | 6 1/4 | 5/8 | 5/8 |
| SCB175-5/8F-4N4-T12 | 1 3/4 | 12 | 2 | 4 | 2 3/4 | 4 | 7 1/4 | 5/8 | 1 1/8 |
| SCB175-3/4F-2N-T12 | 1 3/4 | 12 | 1 | 2 | 2 3/4 | 3 | 5 1/2 | 3/4 | 5/8 |
| SCB175-3/4F-3N-T12 | 1 3/4 | 12 | 2 | 3 | 2 3/4 | 3 | 6 1/4 | 3/4 | 5/8 |
| SCB175-3/4F-4N-T12 | 1 3/4 | 12 | 2 | 4 | 2 3/4 | 3 | 6 1/4 | 3/4 | 5/8 |
| SCB175-3/4F-4N4-T12 | 1 3/4 | 12 | 2 | 4 | 2 3/4 | 4 | 7 1/4 | 3/4 | 1 1/8 |
| SCB200-3/8F-2N-T12 | 2 | 12 | 1 | 2 | 2 3/4 | 3 | 5 1/2 | 3/8 | 5/8 |
| SCB200-3/8F-3N-T12 | 2 | 12 | 2 | 3 | 2 3/4 | 3 | 6 1/4 | 3/8 | 5/8 |
| SCB200-3/8F-4N-T12 | 2 | 12 | 2 | 4 | 2 3/4 | 3 | 6 1/4 | 3/8 | 5/8 |
| SCB200-3/8F-4N4-T12 | 2 | 12 | 2 | 4 | 2 3/4 | 4 | 7 1/4 | 3/8 | 1 1/8 |
| SCB200-1/2F-2N-T12 | 2 | 12 | 1 | 2 | 2 3/4 | 3 | 5 1/2 | 1/2 | 5/8 |
| SCB200-1/2F-3N-T12 | 2 | 12 | 2 | 3 | 2 3/4 | 3 | 6 1/4 | 1/2 | 5/8 |
| SCB200-1/2F-4N-T12 | 2 | 12 | 2 | 4 | 2 3/4 | 3 | 6 1/4 | 1/2 | 5/8 |
| SCB200-1/2F-4N4-T12 | 2 | 12 | 2 | 4 | 2 3/4 | 4 | 7 1/4 | 1/2 | 1 1/8 |
| SCB200-5/8F-2N-T12 | 2 | 12 | 1 | 2 | 2 3/4 | 3 | 5 1/2 | 5/8 | 5/8 |
| SCB200-5/8F-3N-T12 | 2 | 12 | 2 | 3 | 2 3/4 | 3 | 6 1/4 | 5/8 | 5/8 |
| SCB200-5/8F-4N-T12 | 2 | 12 | 2 | 4 | 2 3/4 | 3 | 6 1/4 | 5/8 | 5/8 |
| SCB200-5/8F-4N4-T12 | 2 | 12 | 2 | 4 | 2 3/4 | 4 | 7 1/4 | 5/8 | 1 1/8 |
| SCB200-5/8F-6N4-T12 | 2 | 12 | 3 | 6 | 2 3/4 | 4 | 7 5/8 | 5/8 | 1 1/8 |
| SCB200-3/4F-2N-T12 | 2 | 12 | 1 | 2 | 2 3/4 | 3 | 5 1/2 | 3/4 | 5/8 |
| SCB200-3/4F-3N-T12 | 2 | 12 | 2 | 3 | 2 3/4 | 3 | 6 1/4 | 3/4 | 5/8 |
| SCB200-3/4F-4N-T12 | 2 | 12 | 2 | 4 | 2 3/4 | 3 | 6 1/4 | 3/4 | 5/8 |
| SCB200-3/4F-4N4-T12 | 2 | 12 | 2 | 4 | 2 3/4 | 4 | 7 1/4 | 3/4 | 1 1/8 |
| SCB200-1F-2N-T12 | 2 | 12 | 1 | 2 | 2 3/4 | 3 | 5 1/2 | 1 | 5/8 |
| SCB200-1F-3N-T12 | 2 | 12 | 2 | 3 | 2 3/4 | 3 | 6 1/4 | 1 | 5/8 |
| SCB200-1F-4N-T12 | 2 | 12 | 2 | 4 | 2 3/4 | 3 | 6 1/4 | 1 | 5/8 |
| SCB200-1F-4N4-T12 | 2 | 12 | 2 | 4 | 2 3/4 | 4 | 7 1/4 | 1 | 1 1/8 |
| SCB200-1F-6N4-T12 | 2 | 12 | 3 | 6 | 2 3/4 | 4 | 7 5/8 | 1 | 1 1/8 |
| SCB225-1/2F-2N-T12 | 2 1/4 | 12 | 1 | 2 | 2 3/4 | 3 | 5 1/2 | 1/2 | 5/8 |
| SCB225-1/2F-3N-T12 | 2 1/4 | 12 | 2 | 3 | 2 3/4 | 3 | 6 1/4 | 1/2 | 5/8 |
| SCB225-1/2F-4N-T12 | 2 1/4 | 12 | 2 | 4 | 2 3/4 | 3 | 6 1/2 | 1/2 | 5/8 |
| SCB225-1/2F-4N4-T12 | 2 1/4 | 12 | 2 | 4 | 2 3/4 | 4 | 7 1/4 | 1/2 | 1 1/8 |
| SCB225-5/8F-2N-T12 | 2 1/4 | 12 | 1 | 2 | 2 3/4 | 3 | 5 1/2 | 5/8 | 5/8 |
| SCB225-5/8F-3N-T12 | 2 1/4 | 12 | 2 | 3 | 2 3/4 | 3 | 6 1/4 | 5/8 | 5/8 |
| SCB225-5/8F-4N-T12 | 2 1/4 | 12 | 2 | 4 | 2 3/4 | 3 | 6 1/4 | 5/8 | 5/8 |
| SCB225-5/8F-4N4-T12 | 2 1/4 | 12 | 2 | 4 | 2 3/4 | 4 | 7 1/4 | 5/8 | 1 1/8 |
| SCB225-3/4F-2N-T12 | 2 1/4 | 12 | 1 | 2 | 2 3/4 | 3 | 5 1/2 | 3/4 | 5/8 |
| SCB225-3/4F-3N-T12 | 2 1/4 | 12 | 2 | 3 | 2 3/4 | 3 | 6 1/4 | 3/4 | 5/8 |
| SCB225-3/4F-4N-T12 | 2 1/4 | 12 | 2 | 4 | 2 3/4 | 3 | 6 1/4 | 3/4 | 5/8 |
| SCB225-3/4F-4N4-T12 | 2 1/4 | 12 | 2 | 4 | 2 3/4 | 4 | 7 1/4 | 3/4 | 1 1/8 |
| SCB225-3/4F-6N4-T12 | 2 1/4 | 12 | 3 | 6 | 2 3/4 | 4 | 7 5/8 | 3/4 | 1 1/8 |
| SCB225-1F-2N-T12 | 2 1/4 | 12 | 1 | 2 | 2 3/4 | 3 | 5 1/2 | 1 | 5/8 |
| SCB225-1F-3N-T12 | 2 1/4 | 12 | 2 | 3 | 2 3/4 | 3 | 6 1/4 | 1 | 5/8 |
| SCB225-1F-4N-T12 | 2 1/4 | 12 | 2 | 4 | 2 3/4 | 3 | 6 1/4 | 1 | 5/8 |
| SCB225-1F-4N4-T12 | 2 1/4 | 12 | 2 | 4 | 2 3/4 | 4 | 7 1/4 | 1 | 1 1/8 |
| SCB250-1/2F-2N-T12 | 2 1/2 | 12 | 1 | 2 | 3 | 3 | 6 1/4 | 1/2 | 5/8 |
| SCB250-1/2F-3N-T12 | 2 1/2 | 12 | 2 | 3 | 3 | 3 | 6 1/4 | 1/2 | 5/8 |
| SCB250-1/2F-4N-T12 | 2 1/2 | 12 | 2 | 4 | 3 | 3 | 6 1/4 | 1/2 | 5/8 |
| SCB250-1/2F-4N4-T12 | 2 1/2 | 12 | 2 | 4 | 3 | 4 | 7 1/4 | 1/2 | 1 1/8 |
| SCB250-5/8F-2N-T12 | 2 1/2 | 12 | 1 | 2 | 3 | 3 | 6 1/4 | 5/8 | 5/8 |
| SCB250-5/8F-3N-T12 | 2 1/2 | 12 | 2 | 3 | 3 | 3 | 6 1/4 | 5/8 | 5/8 |
| SCB250-5/8F-4N-T12 | 2 1/2 | 12 | 2 | 4 | 3 | 3 | 6 1/4 | 5/8 | 5/8 |
| SCB250-5/8F-4N4-T12 | 2 1/2 | 12 | 2 | 4 | 3 | 4 | 7 1/4 | 5/8 | 1 1/8 |
| SCB250-3/4F-2N-T12 | 2 1/2 | 12 | 1 | 2 | 3 | 3 | 6 1/4 | 3/4 | 5/8 |
| SCB250-3/4F-3N-T12 | 2 1/2 | 12 | 2 | 3 | 3 | 3 | 6 1/4 | 3/4 | 5/8 |
| SCB250-3/4F-4N-T12 | 2 1/2 | 12 | 2 | 4 | 3 | 3 | 6 1/4 | 3/4 | 5/8 |
| SCB250-3/4F-4N4-T12 | 2 1/2 | 12 | 2 | 4 | 3 | 4 | 7 5/8 | 3/4 | 1 1/8 |
| SCB250-1F-2N-T12 | 2 1/2 | 12 | 1 | 2 | 3 | 3 | 6 1/4 | 1 | 5/8 |
| SCB250-1F-3N-T12 | 2 1/2 | 12 | 2 | 3 | 3 | 3 | 6 1/4 | 1 | 5/8 |
| SCB250-1F-4N-T12 | 2 1/2 | 12 | 2 | 4 | 3 | 3 | 6 1/4 | 1 | 5/8 |
| SCB250-1F-4N4-T12 | 2 1/2 | 12 | 2 | 4 | 3 | 4 | 7 1/4 | 1 | 1 1/8 |



© 2011, AFL, all rights reserved. PP-3-00447, Revision 4, 3.24.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE SCB-F
### Stud Connector to Flat Bar Type

## Ordering Information

| CATALOG NUMBER | STUD DIAMETER | THREADS PER INCH | FIG. NO. | DIMENSIONS IN INCHES | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | C | L | T | X |
| SCB300-1/2F-2N-T12 | 3 | 12 | 1 | 2 | 3 | 3 | 6 1/2 | 1/2 | 5/8 |
| SCB300-1/2F-3N-T12 | 3 | 12 | 2 | 3 | 3 | 3 | 6 1/2 | 1/2 | 5/8 |
| SCB300-1/2F-4N-T12 | 3 | 12 | 2 | 4 | 3 | 3 | 6 1/2 | 1/2 | 5/8 |
| SCB300-1/2F-4N4-T12 | 3 | 12 | 2 | 4 | 3 | 4 | 7 1/2 | 1/2 | 1 1/8 |
| SCB300-1/2F-6N4-T12 | 3 | 12 | 3 | 6 | 3 | 4 | 7 7/8 | 1/2 | 1 1/8 |
| SCB300-5/8F-2N-T12 | 3 | 12 | 1 | 2 | 3 | 3 | 6 1/2 | 5/8 | 5/8 |
| SCB300-5/8F-3N-T12 | 3 | 12 | 2 | 3 | 3 | 3 | 6 1/2 | 5/8 | 5/8 |
| SCB300-5/8F-4N-T12 | 3 | 12 | 2 | 4 | 3 | 3 | 6 1/2 | 5/8 | 5/8 |
| SCB300-5/8F-4N4-T12 | 3 | 12 | 2 | 4 | 3 | 4 | 7 1/2 | 5/8 | 1 1/8 |
| SCB300-3/4F-2N-T12 | 3 | 12 | 1 | 2 | 3 1/4 | 3 | 6 1/2 | 3/4 | 5/8 |
| SCB300-3/4F-3N-T12 | 3 | 12 | 2 | 3 | 3 1/4 | 3 | 6 1/2 | 3/4 | 5/8 |
| SCB300-3/4F-4N-T12 | 3 | 12 | 2 | 4 | 3 1/4 | 3 | 7 5/8 | 3/4 | 5/8 |
| SCB300-3/4F-4N4-T12 | 3 | 12 | 2 | 4 | 3 1/4 | 4 | 8 1/8 | 3/4 | 1 1/8 |
| SCB300-1F-2N-T12 | 3 | 12 | 1 | 2 | 3 1/4 | 3 | 6 1/2 | 1 | 5/8 |
| SCB300-1F-3N-T12 | 3 | 12 | 2 | 3 | 3 1/4 | 3 | 6 1/2 | 1 | 5/8 |
| SCB300-1F-4N4-T12 | 3 | 12 | 2 | 4 | 3 1/4 | 4 | 7 1/2 | 1 | 5/8 |
| SCB300-1F-6N4-T12 | 3 | 12 | 3 | 6 | 3 | 4 | 7 7/8 | 1 | 1 1/8 |
| SCB350-1F-6N4-T12 | 3.5 | 12 | 3 | 6 | 3 1/2 | 4 1/4 | 8 3/8 | 1 | 1 1/8 |
| SCB354-1F-6N4-T0 | 90 MM | 0 | 3 | 6 | 3 1/2 | 4 1/4 | 8 3/8 | 1 | 1 1/8 |
| SCB400-1 1/4F-6N4-T12 | 4 | 12 | 3 | 6 | 4 | 4 | 9 | 1 1/4 | 1 1/8 |
| SCB400-1F-4N4-T12 | 4 | 12 | 2 | 4 | 4 | 4 | 9 | 1 | 1 1/8 |
| SCB400-1F-4N4-T10 | 4 | 10 | 2 | 4 | 4 | 4 | 9 | 1 | 1 1/8 |
| SCB500-3/4F-6N4-T10 | 5 | 10 | 3 | 6 | 4 | 4 | 9 | 3/4 | 1 1/8 |
| SCB500-3/4F-6N4-T12 | 5 | 10 | 3 | 6 | 4 | 4 | 9 | 3/4 | 1 1/8 |



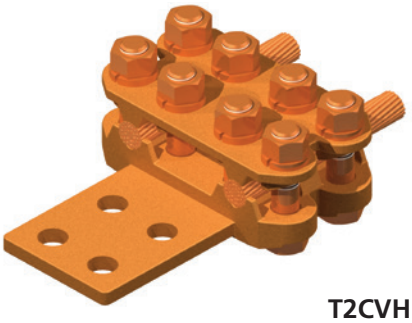
© 2011, AFL, all rights reserved. PP-3-00447, Revision 4, 3.24.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE T2CVH, T2CVHA-45, T2CVHA-90

### Terminal Connector

A heavy duty variable clamp type terminal for connecting a cable to a flat bar bus. Each size terminal accommodates a wide range of cable sizes. Designed to carry the full rated load of the maximum conductor without overheating. Contact pads other than those listed below can be promptly furnished to any specified size or drilling. The variable type terminal exhibits its advantage in that one connector will accommodate a number of cable sizes. This minimizes greatly the problem of stocking various sizes of connectors and the errors which occur in specifying connectors for specific cable sizes.



T2CVH

### Material

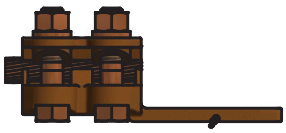
Copper Alloy

### Hardware

Everdur bolts, nuts and lock washers.

### Notes

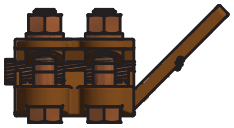
- For tin plating add suffix (SN) to catalog number. Ex: T2CVH50-2N-SN
- For undrilled pads, add the suffix (U) to the part numbers. Ex: T2CVH50-2U
- For a 45° angle add -45, and for a 90° angle add -90.
  For an angled pad add an 'A' after TCVH.
  Ex: For 45° 2 hole NEMA pad to two 500MCM cables order: T2CVHA50-2N-45



T2CVH



T2CVHA-90



TCVHA-45

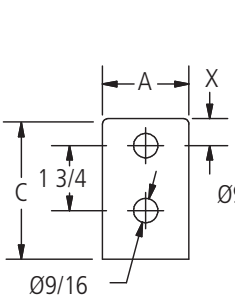



FIG. 1

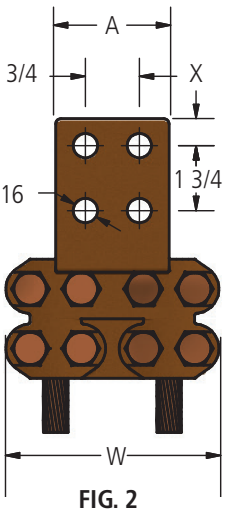



FIG. 2

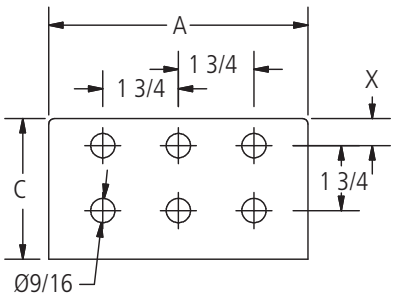
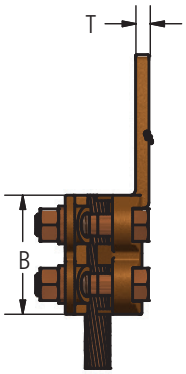



FIG. 3






© 2011, AFL, all rights reserved. PP-3-00469, Revision 4, 4.18.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE T2CVH, T2CVHA-45, T2CVHA-90

**Terminal Connector**

### Ordering Information

| CATALOG NUMBER | | | CABLE RANGE | | FIG. NO. | DIMENSIONS IN INCHES | | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STRAIGHT | 45 DEG. | 90 DEG. | MIN | MAX | | A | B | C | T | W | X | |
| T2CVH25-2N | T2CVHA25-2N-45 | T2CVHA25-2N-90 | # 4 SOL | 250 MCM | 1 | 2 | 2 3/4 | 3 | 5/16 | 3 1/2 | 5/8 | 1/2 |
| T2CVH25-4N | T2CVHA25-4N-45 | T2CVHA25-4N-90 | # 4 SOL | 250 MCM | 2 | 3 | 2 3/4 | 3 | 5/16 | 3 1/2 | 5/8 | 1/2 |
| T2CVH50-2N | T2CVHA50-2N-45 | T2CVHA50-2N-90 | 1/0 SOL | 500 MCM | 1 | 2 | 3 | 3 | 3/8 | 4 | 5/8 | 1/2 |
| T2CVH50-4N | T2CVHA50-4N-45 | T2CVHA50-4N-90 | 1/0 SOL | 500 MCM | 2 | 3 | 3 | 3 | 3/8 | 4 | 5/8 | 1/2 |
| T2CVH50-4N4 | T2CVHA50-4N4-45 | T2CVHA50-4N4-90 | 1/0 SOL | 500 MCM | 2 | 4 | 3 | 4 | 3/8 | 4 | 1 1/8 | 1/2 |
| T2CVH80-2N | T2CVHA80-2N-45 | T2CVHA80-2N-90 | 2/0 SOL | 800 MCM | 1 | 2 | 2 7/8 | 3 | 1/2 | 4 1/2 | 5/8 | 1/2 |
| T2CVH80-4N | T2CVHA80-4N-45 | T2CVHA80-4N-90 | 2/0 SOL | 800 MCM | 2 | 3 | 2 7/8 | 3 | 1/2 | 4 1/2 | 5/8 | 1/2 |
| T2CVH80-4N4 | T2CVHA80-4N4-45 | T2CVHA80-4N4-90 | 2/0 SOL | 800 MCM | 2 | 4 | 2 7/8 | 4 | 1/2 | 4 1/2 | 1 1/8 | 1/2 |
| T2CVH100-2N | T2CVHA100-2N-45 | T2CVHA100-2N-90 | 4/0 SOL | 1000 MCM | 1 | 2 1/2 | 3 | 3 | 1/2 | 4 3/4 | 5/8 | 1/2 |
| T2CVH100-4N | T2CVHA100-4N-45 | T2CVHA100-4N-90 | 4/0 SOL | 1000 MCM | 2 | 3 | 3 | 3 | 1/2 | 4 3/4 | 5/8 | 1/2 |
| T2CVH100-4N4 | T2CVHA100-4N4-45 | T2CVHA100-4N4-90 | 4/0 SOL | 1000 MCM | 2 | 4 | 3 | 4 | 1/2 | 4 3/4 | 1 1/8 | 1/2 |
| T2CVH100-4N4-T5/8 | T2CVH100-4N4-T5/8-45 | T2CVH100-4N4-T5/8-90 | 4/0 SOL | 1000 MCM | 2 | 4 | 3 | 4 | 5/8 | 4 3/4 | 1 1/8 | 1/2 |
| T2CVH100-4N4-T3/4 | T2CVH100-4N4-T3/4-45 | T2CVH100-4N4-T3/4-90 | 4/0 SOL | 1000 MCM | 2 | 4 | 3 | 4 | 3/4 | 4 3/4 | 1 1/8 | 1/2 |
| T2CVH100-6N4 | T2CVH100-6N4-45 | T2CVH100-6N4-90 | 4/0 SOL | 1000 MCM | 3 | 6 | 3 | 4 | 1/2 | 4 3/4 | 1 1/8 | 1/2 |
| T2CVH200-4N | T2CVHA200-4N-45 | T2CVHA200-4N-90 | 500 MCM | 2000 MCM | 2 | 3 | 3 5/8 | 3 | 11/16 | 5 5/8 | 5/8 | 1/2 |
| T2CVH200-4N4 | T2CVHA200-4N4-45 | T2CVHA200-4N4-90 | 500 MCM | 2000 MCM | 2 | 4 | 3 5/8 | 4 | 11/16 | 5 5/8 | 1 1/8 | 1/2 |
| T2CVH200-5N4 | T2CVH200-5N4-45 | T2CVH200-5N4-90 | 500 MCM | 2000 MCM | 3 | 5 | 3 5/8 | 4 | 11/16 | 5 5/8 | 1 1/8 | 1/2 |
| T2CVH200-6N4 | T2CVHA200-6N4-45 | T2CVHA200-6N4-90 | 500 MCM | 2000 MCM | 3 | 6 | 3 5/8 | 4 | 11/16 | 5 5/8 | 1 1/8 | 1/2 |
| T2CVH300-4N4 | T2CVH300-4N4-45 | T2CVH300-4N4-90 | 1000 MCM | 3000 MCM | 2 | 4 | 3 7/8 | 4 | 1 | 7 3/16 | 1 1/8 | 5/8 |
| T2CVH300-6N4 | T2CVH300-6N4-45 | T2CVH300-6N4-90 | 1000 MCM | 3000 MCM | 3 | 6 | 3 7/8 | 4 | 1 | 7 3/16 | 1 1/8 | 5/8 |





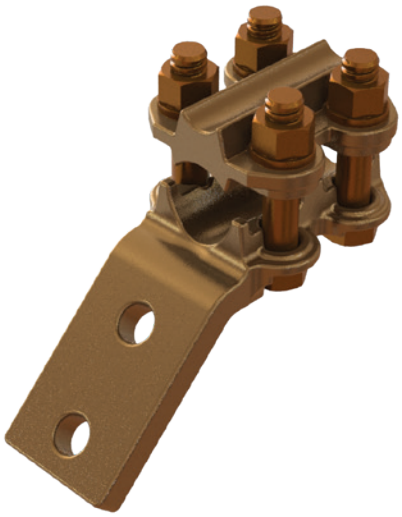
© 2011, AFL, all rights reserved. PP-3-00469, Revision 4, 4.18.18
Specifications are subject to change without notice.

DOSSERT®

# TYPE TCVHA Angled (15, 30, 45, 90 Degrees)

## Heavy Duty Copper Terminal for Cable to a Flat Pad

A heavy duty variable clamp type terminal for connecting a cable to flat bus bar. Each size terminal accommodates a wide range of cable sizes. Designed to carry the full rated load of the maximum conductor without overheating. Contact pads other than those listed below can be furnished to any specified size or drilling.



### Material
Copper Alloy

### Hardware
Everdur bolts, nuts and lock washers.

### Notes
- For Electro Tin plate, add "-SN" to catalog number. Ex: TCVH50-2N-SN
- For Angled Pad, add "A" to prefix and angle to catalog number. EX: TCVHA50-45
- For Undrilled Pad, add "-U" to pad size in catalog number. Ex: TCVH50-4N4U

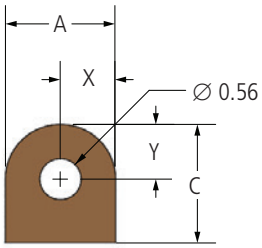



FIG. 1

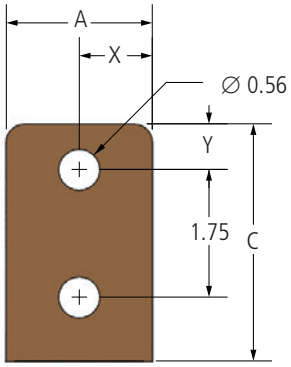



FIG. 2

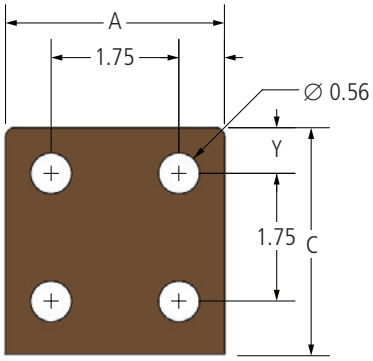
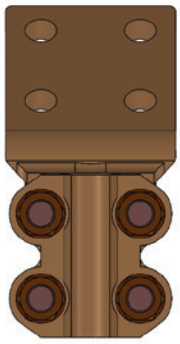
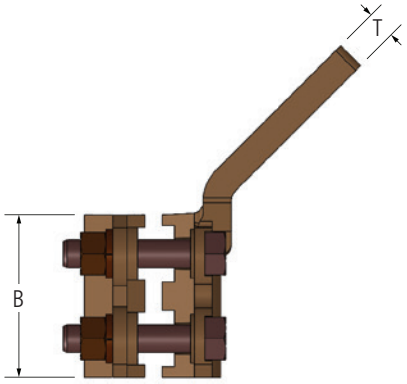
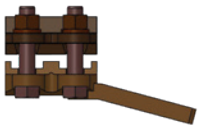



FIG. 3





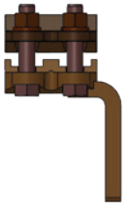
TCVHA-15



TCVHA-30



TCVHA-45



TCVHA-90

*continued*

© 2011, AFL, all rights reserved. PP-3-00472, Revision 3, 12.16.2024
Specifications are subject to change without notice.

DOSSERT®

# TYPE TCVHA Angled (15, 30, 45, 90 Degrees)

## Heavy Duty Copper Terminal for Cable to a Flat Pad

### Ordering Information

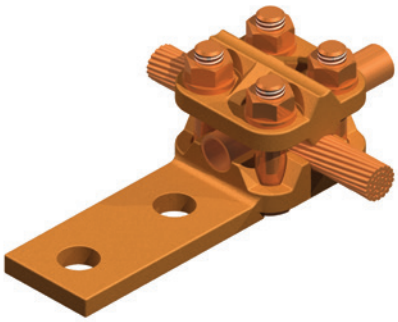
| Catalog Number | | | | Cable Range | | Fig. No. | Dimensions in Inches | | | | | | Bolt Size |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 Deg. | 30 Deg. | 45 Deg. | 90 Deg. | Min. | Max. | | A | B | C | T | X | Y | |
| TCVHA25-1-15 | TCVHA25-1-30 | TCVHA25-1-45 | TCVHA25-1-90 | #4 SOL. | 250 MCM | 3 | 1.50 | 2.75 | 1.38 | 0.31 | 0.75 | 0.75 | 1/2 |
| TCVHA25-2N-15 | TCVHA25-2N-30 | TCVHA25-2N-45 | TCVHA25-2N-90 | #4 SOL. | 250 MCM | 1 | 1.50 | 2.75 | 3.00 | 0.31 | 0.75 | 0.63 | 1/2 |
| TCVHA25-4N-15 | TCVHA25-4N-30 | TCVHA25-4N-45 | TCVHA25-4N-90 | #4 SOL. | 250 MCM | 2 | 3.00 | 2.75 | 3.00 | 0.31 | 0.63 | 0.63 | 1/2 |
| TCVHA25-4N4-15 | TCVHA25-4N4-30 | TCVHA25-4N4-45 | TCVHA25-4N4-90 | #4 SOL. | 250 MCM | 2 | 4.00 | 2.75 | 4.00 | 0.31 | 1.13 | 1.13 | 1/2 |
| TCVHA50-1-15 | TCVHA50-1-30 | TCVHA50-1-45 | TCVHA50-1-90 | 1/0 SOL. | 500 MCM | 3 | 2.00 | 2.63 | 1.50 | 0.38 | 1.00 | 0.88 | 1/2 |
| TCVHA50-2N-15 | TCVHA50-2N-30 | TCVHA50-2N-45 | TCVHA50-2N-90 | 1/0 SOL. | 500 MCM | 1 | 2.00 | 2.63 | 3.00 | 0.38 | 1.00 | 0.63 | 1/2 |
| TCVHA50-2N3-15 | TCVHA50-2N3-30 | TCVHA50-2N3-45 | TCVHA50-2N3-90 | 1/0 SOL. | 500 MCM | 1 | 2.00 | 2.63 | 3.00 | 0.38 | 1.00 | 0.63 | 1/2 |
| TCVHA50-4N-15 | TCVHA50-4N-30 | TCVHA50-4N-45 | TCVHA50-4N-90 | 1/0 SOL. | 500 MCM | 2 | 3.00 | 2.63 | 3.00 | 0.38 | 0.63 | 0.63 | 1/2 |
| TCVHA50-4N4-15 | TCVHA50-4N4-30 | TCVHA50-4N4-45 | TCVHA50-4N4-90 | 1/0 SOL. | 500 MCM | 2 | 4.00 | 2.63 | 4.00 | 0.38 | 1.13 | 1.13 | 1/2 |
| TCVHA80-2N-15 | TCVHA80-2N-30 | TCVHA80-2N-45 | TCVHA80-2N-90 | 2/0 SOL. | 800 MCM | 1 | 2.00 | 2.88 | 3.00 | 0.50 | 1.00 | 0.63 | 1/2 |
| TCVHA80-2N3-15 | TCVHA80-2N3-30 | TCVHA80-2N3-45 | TCVHA80-2N3-90 | 2/0 SOL. | 800 MCM | 1 | 2.00 | 2.88 | 3.00 | 0.50 | 1.00 | 0.63 | 1/2 |
| TCVHA80-4N-15 | TCVHA80-4N-30 | TCVHA80-4N-45 | TCVHA80-4N-90 | 2/0 SOL. | 800 MCM | 2 | 3.00 | 2.88 | 3.00 | 0.50 | 0.63 | 0.63 | 1/2 |
| TCVHA80-4N4-15 | TCVHA80-4N4-30 | TCVHA80-4N4-45 | TCVHA80-4N4-90 | 2/0 SOL. | 800 MCM | 2 | 4.00 | 2.88 | 4.00 | 0.50 | 1.13 | 1.13 | 1/2 |
| TCVHA100-2N-15 | TCVHA100-2N-30 | TCVHA100-2N-45 | TCVHA100-2N-90 | 4/0 SOL. | 1000 MCM | 1 | 2.00 | 2.88 | 3.00 | 0.50 | 1.00 | 0.63 | 1/2 |
| TCVHA100-4N-15 | TCVHA100-4N-30 | TCVHA100-4N-45 | TCVHA100-4N-90 | 4/0 SOL. | 1000 MCM | 2 | 3.00 | 2.88 | 3.00 | 0.50 | 0.63 | 0.63 | 1/2 |
| TCVHA100-4N4-15 | TCVHA100-4N4-30 | TCVHA100-4N4-45 | TCVHA100-4N4-90 | 4/0 SOL. | 1000 MCM | 2 | 4.00 | 2.88 | 4.00 | 0.50 | 1.13 | 1.13 | 1/2 |
| TCVHA200-4N-15 | TCVHA200-4N-30 | TCVHA200-4N-45 | TCVHA200-4N-90 | 500 MCM | 2000 MCM | 2 | 3.00 | 3.38 | 3.00 | 0.69 | 0.63 | 0.63 | 1/2 |
| TCVHA200-4N4-15 | TCVHA200-4N4-30 | TCVHA200-4N4-45 | TCVHA200-4N4-90 | 500 MCM | 2000 MCM | 2 | 4.00 | 3.38 | 4.00 | 0.69 | 1.13 | 1.13 | 1/2 |
| TCVHA250-4N-15 | TCVHA250-4N-30 | TCVHA250-4N-45 | TCVHA250-4N-90 | 2000 MCM | 2500 MCM | 2 | 3.00 | 4.50 | 3.00 | 0.81 | 0.63 | 0.63 | 5/8 |

© 2011, AFL, all rights reserved. PP-3-00472, Revision 3, 12.16.2024
Specifications are subject to change without notice.

# DOSSERT®

## TYPE TCX

### Bar to Variable Cable or Pipe



TCX can be used as a tap or a terminal. A variable clamp type terminal or tap for connecting a cable or pipe to a flat bar bus. Each size accommodates a wide range of cable sizes.

### Material

Copper Alloy

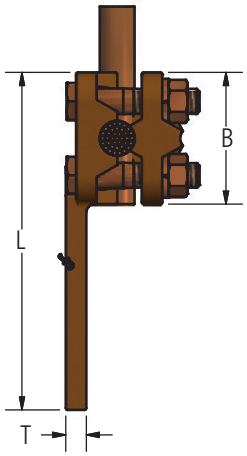
### Hardware

Everdur-bolts, nuts, and lockwashers.

### Note

For tin plating add "-SN" to the end of the catalog number.





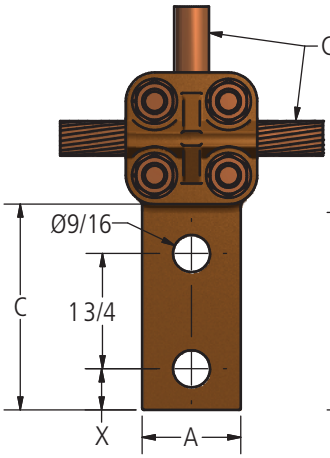




FIG. 1

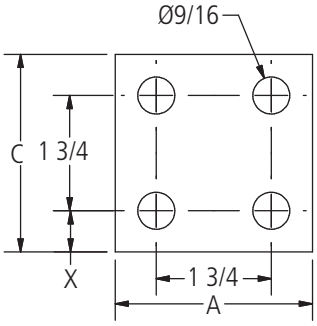



FIG. 2

## Ordering Information

| CATALOG NUMBER | CABLE RANGE | | SPS RANGE | | FIG NO. | DIMENSIONS IN INCHES | | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SMALL GROOVE | LARGE GROOVE | SMALL GROOVE | LARGE GROOVE | | A | B | C | L | T | X | |
| TCX21-2N | 6SOL-1STR | 1STR-4/0STR | - | - | 1 | 1 1/2 | 2 | 3 | 5 1/8 | 5/16 | 5/8 | 3/8 |
| TCX21-4N | 6SOL-1STR | 1STR-4/0STR | - | - | 2 | 3 | 2 | 3 | 5 1/8 | 5/16 | 5/8 | 3/8 |
| TCX60-2N | 4SOL-4/0STR | 250-600 | 1/4 | 1/2 | 1 | 1 1/2 | 2 5/16 | 3 | 5 1/2 | 3/8 | 5/8 | 3/8 |
| TCX60-4N | 4SOL-4/0STR | 250-600 | 1/4 | 1/2 | 2 | 3 | 2 5/16 | 3 | 5 1/2 | 3/8 | 5/8 | 3/8 |
| TCX80-2N | 2SOL-250 | 300-800 | 1/4 | 3/4 | 1 | 2 | 2 7/16 | 3 | 5 11/16 | 1/2 | 5/8 | 3/8 |
| TCX80-4N | 2SOL-250 | 300-800 | 1/4 | 3/4 | 2 | 3 | 2 7/16 | 3 | 5 11/16 | 1/2 | 5/8 | 3/8 |
| TCX150-2N | 4/0SOL-850 | 900-1500 | 1/4 | 1 | 1 | 2 | 3 1/4 | 3 | 6 1/2 | 9/16 | 5/8 | 1/2 |
| TCX150-4N | 4/0SOL-850 | 900-1500 | 1/4 | 1 | 2 | 3 | 3 1/4 | 3 | 6 1/2 | 9/16 | 5/8 | 1/2 |
| TCX150-4N4 | 4/0SOL-850 | 900-1500 | 1/4 | 1 | 2 | 4 | 3 1/4 | 4 | 7 1/2 | 9/16 | 1 1/8 | 1/2 |
| TCX200-2N | 500-1300 | 1500-2000 | 3/4 | 1 1/2 | 2 | 2 | 3 1/2 | 3 | 6 3/4 | 11/16 | 5/8 | 1/2 |
| TCX200-4N | 500-1300 | 1500-2000 | 3/4 | 1 1/2 | 2 | 3 | 3 1/2 | 3 | 6 3/4 | 11/16 | 5/8 | 1/2 |

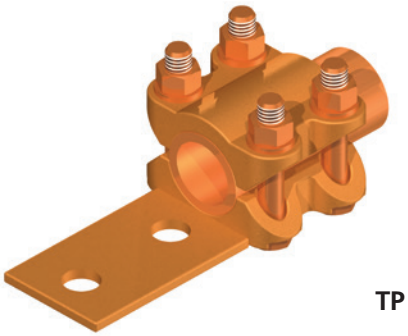


© 2011, AFL, all rights reserved. PP-3-00474, Revision 0, 3.10.11
Specifications are subject to change without notice.

# TYPE TP, TPA-30, TPA-45, TPA-60, TPA-90

## Copper Clamp Terminal for Tubular Bus to Flat

A bolted clamp type terminal for connecting standard pipe size tubular buses to flat surfaces.



TP

### Material

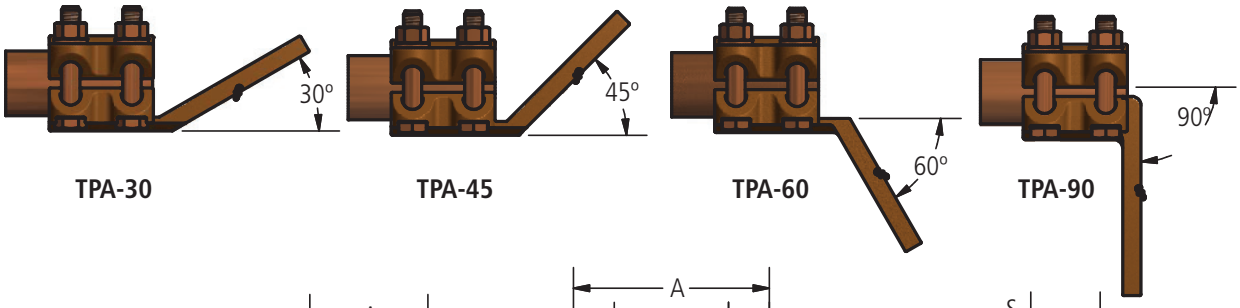
Copper Alloy

### Hardware

Everdur-nuts, bolts and lock washers.

### Notes

- Contact pads can be furnished to any specification of size undrilled or drilled to specified hole sizes and center to center dimensions.
- For Electro Tin Plate, add "-SN" to catalog number. EX: TP300-4N-SN
- For Angled Pad, add "A" to prefix and angle to catalog number. EX: TPA350-4N-60
- For Undrilled Pad, add "U" to pad size in catalog number. EX: TP350-4U




TPA-30 TPA-45 TPA-60 TPA-90

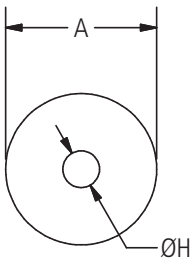



FIG. 1

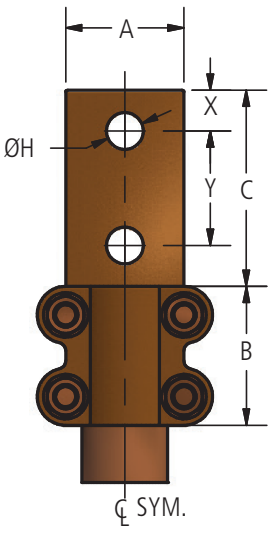



FIG. 2

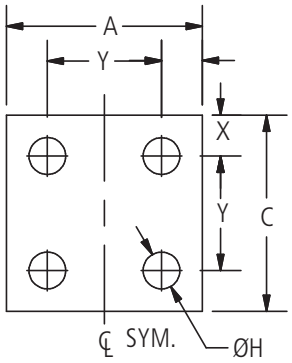
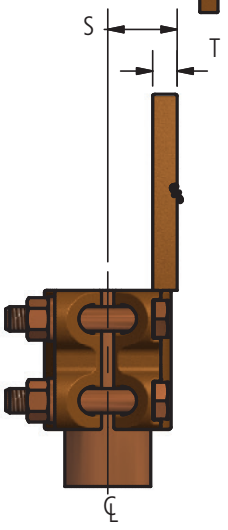



FIG. 3




TP

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2011, AFL, all rights reserved. PP-3-00138, Revision 4, 11.3.2025
Specifications are subject to change without notice.

# TYPE TP, TPA-30, TPA-45, TPA-60, TPA-90

## Copper Clamp Terminal for Tubular Bus to Flat

### Ordering Information

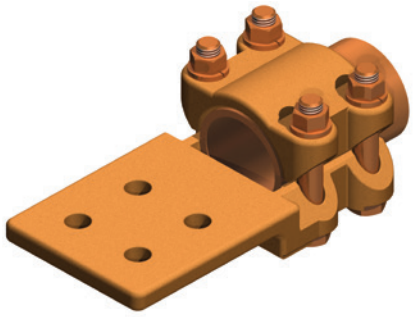
| Catalog Number | SPS | Fig. No. | Dimensions in inches | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | C | B | H | T | X | Y | S | Bolt Size |
| TP25-1 | 1/4 | 1 | 1 1/4 | — | 2 | 7/16 | 1/4 | — | — | — | 3/8 |
| TP25-2 | 1/4 | 2 | 1 1/4 | 1 7/8 | 2 | 7/16 | 1/4 | 7/16 | 1 | | 3/8 |
| TP25-2N | 1/4 | 2 | 1 1/2 | 3 | 2 | 9/16 | 1/4 | 5/8 | 1 3/4 | 11/16 | 3/8 |
| TP38-1 | 3/8 | 1 | 1 1/4 | — | 2 | 7/16 | 1/4 | — | — | — | 3/8 |
| TP38-2 | 3/8 | 2 | 1 1/4 | 2 1/8 | 2 1/8 | 7/16 | 1/4 | 7/16 | 1 | 3/4 | 3/8 |
| TP38-2N | 3/8 | 2 | 1 1/2 | 3 1/4 | 2 1/8 | 9/16 | 1/4 | 5/8 | 1 3/4 | 3/4 | 3/8 |
| TP50-1 | 1/2 | 1 | 1 1/2 | — | 2 | 9/16 | 5/16 | — | — | — | 3/8 |
| TP50-2 | 1/2 | 2 | 1 1/2 | 2 1/4 | 2 | 7/16 | 5/16 | 1/2 | 1 1/4 | — | 3/8 |
| TP50-2N | 1/2 | 2 | 1 1/2 | 3 | 2 | 9/16 | 5/16 | 5/8 | 1 3/4 | 7/8 | 3/8 |
| TP75-1 | 3/4 | 1 | 1 3/4 | — | 2 | 9/16 | 3/8 | — | — | 15/16 | 3/8 |
| TP75-2 | 3/4 | 2 | 1 1/2 | 2 1/4 | 2 | 9/16 | 3/8 | 1/2 | 1 1/4 | — | 3/8 |
| TP75-2N | 3/4 | 2 | 2 | 3 | 2 | 7/16 | 3/8 | 5/8 | 1 3/4 | 1 | 3/8 |
| TP100-2 | 1 | 2 | 1 3/4 | 2 1/4 | 2 1/8 | 9/16 | 3/8 | 1/2 | 1 1/4 | — | 3/8 |
| TP100-2N | 1 | 2 | 1 3/4 | 3 | 2 1/8 | 7/16 | 3/8 | 5/8 | 1 3/4 | 1 3/8 | 3/8 |
| TP100-4 | 1 | 3 | 2 1/4 | 2 1/4 | 2 1/8 | 9/16 | 3/8 | 1/2 | 1 1/4 | 1 1/8 | 3/8 |
| TP100-4N | 1 | 3 | 3 | 3 | 2 1/8 | 7/16 | 3/8 | 5/8 | 1 3/4 | 1 3/8 | 3/8 |
| TP125-2 | 1 1/4 | 2 | 2 1/4 | 3 | 2 1/2 | 9/16 | 7/16 | 3/4 | 1 1/2 | — | 1/2 |
| TP125-2N | 1 1/4 | 2 | 2 1/4 | 3 | 2 1/2 | 9/16 | 7/16 | 5/8 | 1 3/4 | 1 1/2 | 1/2 |
| TP125-4 | 1 1/4 | 3 | 3 | 3 | 2 1/2 | 9/16 | 7/16 | 3/4 | 1 1/2 | 1 11/32 | 1/2 |
| TP125-4N | 1 1/4 | 3 | 3 | 3 | 2 1/2 | 9/16 | 7/16 | 5/8 | 1 3/4 | 1 1/2 | 1/2 |
| TP150-2 | 1 1/2 | 2 | 2 1/2 | 3 1/4 | 2 5/8 | 9/16 | 1/2 | 3/4 | 1 3/4 | — | 1/2 |
| TP150-2N | 1 1/2 | 2 | 2 1/2 | 3 | 2 5/8 | 9/16 | 1/2 | 5/8 | 1 3/4 | 1 1/2 | 1/2 |
| TP150-4 | 1 1/2 | 3 | 3 | 3 | 2 5/8 | 9/16 | 1/2 | 3/4 | 1 1/2 | 1 9/16 | 1/2 |
| TP150-4N | 1 1/2 | 3 | 3 | 3 | 2 5/8 | 9/16 | 1/2 | 5/8 | 1 3/4 | 1 1/2 | 1/2 |
| TP200-2 | 2 | 2 | 2 3/4 | 3 1/4 | 2 3/4 | 9/16 | 1/2 | 3/4 | 1 3/4 | — | 1/2 |
| TP200-2N | 2 | 2 | 2 3/4 | 3 | 2 3/4 | 9/16 | 1/2 | 5/8 | 1 3/4 | 1 3/4 | 1/2 |
| TP200-4 | 2 | 3 | 3 1/4 | 3 1/4 | 2 3/4 | 9/16 | 1/2 | 3/4 | 1 3/4 | 1 13/16 | 1/2 |
| TP200-4N | 2 | 3 | 3 | 3 | 2 3/4 | 9/16 | 1/2 | 5/8 | 1 3/4 | 1 3/4 | 1/2 |
| TP200R-4N | 2 O.D. | 3 | 3 | 3 | 2 3/4 | 9/16 | 1/2 | 5/8 | 1 3/4 | 1 3/4 | 1/2 |
| TP250-2 | 2 1/2 | 2 | 3 | 3 3/4 | 2 3/4 | 9/16 | 11/16 | 1 | 1 3/4 | — | 1/2 |
| TP250-2N | 2 1/2 | 2 | 3 | 3 | 2 3/4 | 9/16 | 11/16 | 5/8 | 1 3/4 | 2 1/8 | 1/2 |
| TP250-4 | 2 1/2 | 3 | 3 3/4 | 3 3/4 | 2 3/4 | 9/16 | 11/16 | 7/8 | 2 | 2 3/16 | 1/2 |
| TP250-4N | 2 1/2 | 3 | 3 | 3 | 2 3/4 | 9/16 | 11/16 | 5/8 | 1 3/4 | 2 1/8 | 1/2 |
| TP250-4N4 | 2 1/2 | 3 | 4 | 4 | 2 3/4 | 9/16 | 11/16 | 1 1/8 | 1 3/4 | — | 1/2 |
| TP300-4 | 3 | 3 | 4 1/2 | 4 1/2 | 3 1/4 | 9/16 | 11/16 | 7/8 | 2 3/4 | — | 5/8 |
| TP300-4N | 3 | 3 | 4 | 4 | 3 1/4 | 9/16 | 11/16 | 5/8 | 1 3/4 | 2 1/2 | 5/8 |
| TP300-4N4 | 3 | 3 | 4 | 4 | 3 1/4 | 9/16 | 11/16 | 1 1/8 | 1 3/4 | 2 11/16 | 5/8 |
| TP300-5N4S-7/8T | 3 | 3 | 5 | 4 | 3 1/4 | 9/16 | 7/8 | 1 1/8 | 1 3/4 | — | 5/8 |
| TP350-4 | 3 1/2 | 3 | 4 3/4 | 4 3/4 | 3 1/4 | 9/16 | 13/16 | 7/8 | 3 | 2 7/8 | 5/8 |
| TP350 4N | 3 1/2 | 3 | 3 | 3 | 3 1/4 | 9/16 | 13/16 | 5/8 | 1 3/4 | 2 5/8 | 5/8 |
| TP350-4N4 | 3 1/2 | 3 | 4 | 4 | 3 1/4 | 9/16 | 13/16 | 1 1/8 | 1 3/4 | 2 5/8 | 5/8 |
| TP400-4 | 4 | 3 | 5 1/2 | 5 1/2 | 3 3/8 | 11/16 | 13/16 | 1 1/8 | 3 1/4 | — | 5/8 |
| TP400-4N | 4 | 3 | 3 | 3 | 3 3/8 | 9/16 | 13/16 | 5/8 | 1 3/4 | 3 1/8 | 5/8 |
| TP600-4N4 | 6 | 3 | 4 | 4 | 5 3/4 | 9/16 | 1 1/4 | 1 1/8 | 1 3/4 | — | 5/8 |

© 2011, AFL, all rights reserved. PP-3-00138, Revision 4, 11.3.2025
Specifications are subject to change without notice.

# TYPE TPC
## Terminal Connector

### Material
Copper Alloy

### Hardware
Everdur-bolts, nuts, and lockwashers.



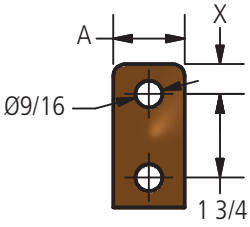



FIG. 1

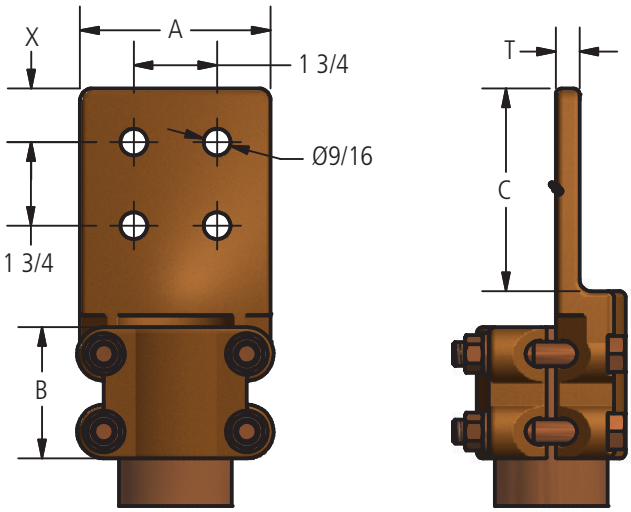






FIG. 2

### Ordering Information

| Catalog Number | SPS | Fig. No. | Dimensions in inches | | | | | Bolt Size |
|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | T | X | |
| TPC25-2N | 1/4 | 1 | 1 1/2 | 2 | 3 | 1/4 | 5/8 | 3/8 |
| TPC38-2N | 3/8 | 1 | 1 1/2 | 2 | 3 | 1/4 | 5/8 | 3/8 |
| TPC50-2N | 1/2 | 1 | 1 1/2 | 2 | 3 | 5/16 | 5/8 | 3/8 |
| TPC50-4N | 1/2 | 2 | 3 | 2 | 3 | 5/16 | 5/8 | 3/8 |
| TPC75-2N | 3/4 | 1 | 1 1/2 | 2 | 3 | 3/8 | 5/8 | 3/8 |
| TPC75-4N | 3/4 | 2 | 3 | 2 | 3 | 3/8 | 5/8 | 3/8 |
| TPC100-2N | 1 | 1 | 1 3/4 | 2 1/8 | 3 | 3/8 | 5/8 | 3/8 |
| TPC100-4N | 1 | 2 | 3 | 2 1/8 | 3 | 3/8 | 5/8 | 3/8 |
| TPC100-4N4 | 1 | 2 | 4 | 2 1/8 | 4 | 3/8 | 1 1/8 | 3/8 |
| TPC125-2N | 1 1/4 | 1 | 2 | 2 1/2 | 3 | 7/16 | 5/8 | 1/2 |
| TPC125-4N | 1 1/4 | 2 | 3 | 2 1/2 | 3 | 7/16 | 5/8 | 1/2 |
| TPC125-4N4 | 1 1/4 | 2 | 4 | 2 1/2 | 4 | 7/16 | 1 1/8 | 1/2 |
| TPC150-2N | 1 1/2 | 1 | 2 1/2 | 2 5/8 | 3 | 1/2 | 5/8 | 1/2 |
| TPC150-4N | 1 1/2 | 2 | 3 | 2 5/8 | 3 | 1/2 | 5/8 | 1/2 |
| TPC150-4N4 | 1 1/2 | 2 | 4 | 2 5/8 | 4 | 1/2 | 1 1/8 | 1/2 |
| TPC200-2N | 2 | 1 | 2 3/4 | 2 3/4 | 3 | 1/2 | 5/8 | 1/2 |
| TPC200-4N | 2 | 2 | 3 | 2 3/4 | 3 | 1/2 | 5/8 | 1/2 |
| TPC200-4N4 | 2 | 2 | 4 | 2 3/4 | 4 | 1/2 | 1 1/8 | 1/2 |
| TPC250-2N | 2 1/2 | 1 | 3 | 2 3/4 | 3 | 11/16 | 5/8 | 1/2 |
| TPC250-4N | 2 1/2 | 2 | 3 | 2 3/4 | 3 | 11/16 | 5/8 | 1/2 |
| TPC250-4N4 | 2 1/2 | 2 | 4 | 2 3/4 | 4 | 11/16 | 1 1/8 | 1/2 |
| TPC300-4N | 3 | 2 | 3 | 3 1/4 | 3 | 11/16 | 5/8 | 5/8 |
| TPC300-4N4 | 3 | 2 | 4 | 3 1/4 | 4 | 11/16 | 1 1/8 | 5/8 |
| TPC350-4N | 3 1/2 | 2 | 3 | 3 1/4 | 3 | 13/16 | 5/8 | 5/8 |
| TPC350-4N4 | 3 1/2 | 2 | 4 | 3 1/4 | 4 | 13/16 | 1 1/8 | 5/8 |
| TPC400-4N | 4 | 2 | 3 | 3 3/8 | 3 | 13/16 | 5/8 | 5/8 |
| TPC400-4N4 | 4 | 2 | 4 | 3 3/8 | 4 | 13/16 | 1 1/8 | 5/8 |
| TPC600-4N4 | 6 | 2 | 4 | 5 3/4 | 4 | 1 1/4 | 1 1/8 | 5/8 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2011, AFL, all rights reserved. PP-3-00162, Revision 3, 11.3.2025
Specifications are subject to change without notice.



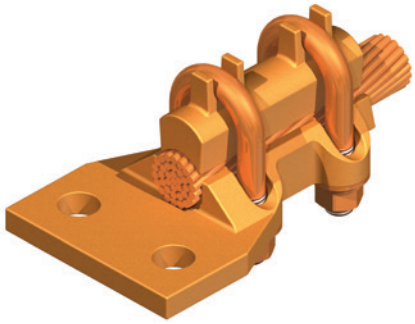
AFL
AFLglobal.com
1 (800) 890-8878

# DOSSERT®

## TYPE UL-90H

### Copper Horizontal Terminal For Cable To Bus

A horizontal angle terminal for connecting a cable at 90 degree to the bus.

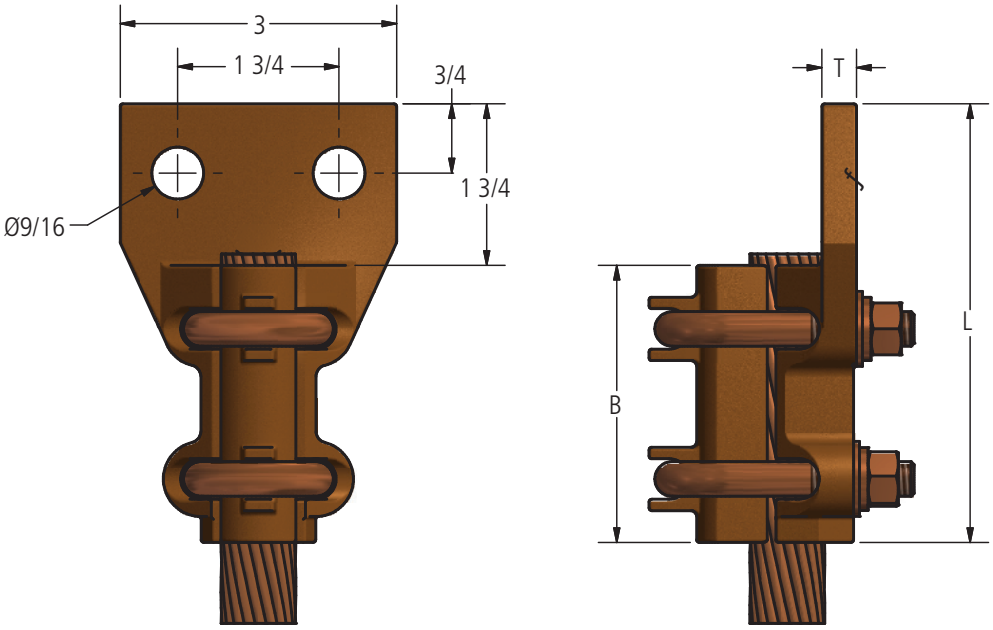


**Material**

Copper Alloy

**Hardware**

Everdur U-bolts, nuts and lockwashers.




## Ordering Information

| CATALOG NUMBER | CABLE SIZE | | DIMENSIONS IN INCHES | | | U-BOLT SIZE |
|---|---|---|---|---|---|---|
| | MIN | MAX | B | L | T | |
| UL13-2N-90H | 6 Str | 2/0 Str | 2 1/2 | 4 1/4 | 5/16 | 5/16 |
| UL21-2N-90H | 1 Str | 4/0 Str | 2 5/8 | 4 3/8 | 5/16 | 3/8 |
| UL30-2N-90H | 1/0 Str | 300 MCM | 2 3/4 | 4 1/2 | 3/8 | 3/8 |
| UL50-2N-90H | 300 MCM | 500 MCM | 3 | 4 3/4 | 3/8 | 3/8 |
| UL80-2N-90H | 500 MCM | 800 MCM | 3 1/4 | 5 | 1/2 | 1/2 |
| UL100-2N-90H | 750 MCM | 1000 MCM | 3 1/2 | 5 1/4 | 1/2 | 1/2 |
| UL150-2N-90H | 1000 MCM | 1500 MCM | 4 | 5 3/4 | 9/16 | 1/2 |
| UL200-2N-90H | 1500 MCM | 2000 MCM | 4 1/2 | 6 1/4 | 9/16 | 1/2 |



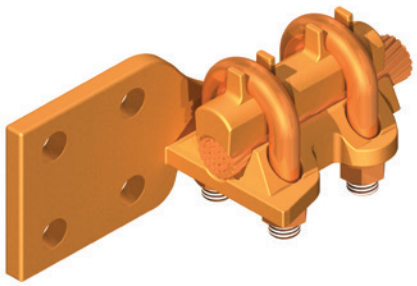


© 2011, AFL, all rights reserved. PP-3-00498, Revision 0, 3.10.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE UL-90V

### Copper Vertical Mouting Terminal



A vertical side mounting type terminal lug for connecting cables to flat bar busses. The side clamping feature provides clearance to enable terminal to be mounted well within the bus surface without interference of the U-bolts.

### Material

Copper Alloy

### Hardware

Everdur U-bolts, nuts and lockwashers.

### Note

Contact pads can be furnished to any specification of size undrilled or drilled to specified hole sizes and center to center dimensions.

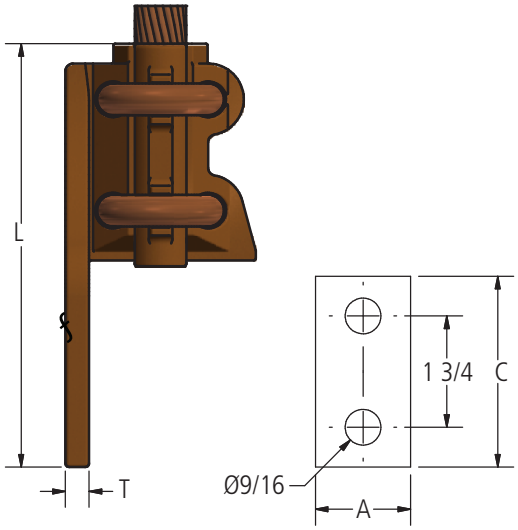



FIG. 1

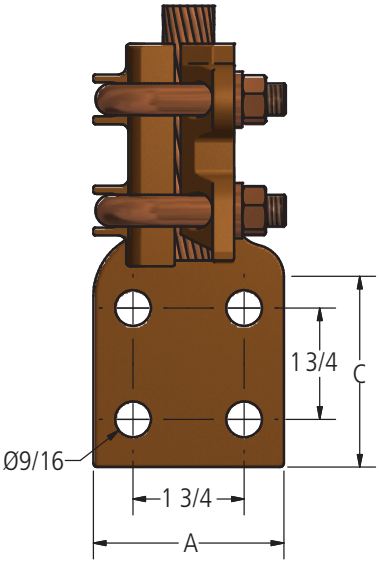



FIG. 2

## Ordering Information

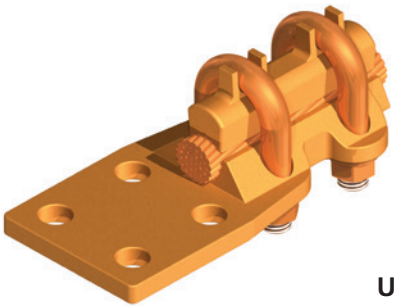
| CATALOG NUMBER | CABLE RANGE | | FIG. NO. | DIMENSIONS IN INCHES | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|
| | MIN | MAX | | A | C | L | T | |
| UL13-2N-90V | 6 Str | 2/0 Str | 1 | 1 1/2 | 3 1/4 | 5 3/4 | 5/16 | 5/16 |
| UL13-4N-90V | 6 Str | 2/0 Str | 2 | 3 | 3 1/4 | 5 3/4 | 5/16 | 5/16 |
| UL21-2N-90V | 1 Str | 4/0 Str | 1 | 1 1/2 | 3 1/4 | 5 7/8 | 5/16 | 3/8 |
| UL21-4N-90V | 1 Str | 4/0 Str | 2 | 3 | 3 1/4 | 5 7/8 | 5/16 | 3/8 |
| UL30-2N-90V | 1/0 Str | 300 MCM | 1 | 1 1/2 | 3 1/4 | 6 | 3/8 | 3/8 |
| UL30-4N-90V | 1/0 Str | 300 MCM | 2 | 3 | 3 1/4 | 6 | 3/8 | 3/8 |
| UL50-2N-90V | 300 MCM | 500 MCM | 1 | 1 1/2 | 3 1/4 | 6 1/4 | 3/8 | 3/8 |
| UL50-4N-90V | 300 MCM | 500 MCM | 2 | 3 | 3 1/4 | 6 1/4 | 3/8 | 3/8 |
| UL50-4N4-90V | 300 MCM | 500 MCM | 2 | 4 | 4 1/4 | 7 1/4 | 3/8 | 3/8 |
| UL80-2N-90V | 500 MCM | 800 MCM | 1 | 1 1/2 | 3 1/4 | 6 1/2 | 1/2 | 3/8 |
| UL80-4N-90V | 500 MCM | 800 MCM | 2 | 3 | 3 1/4 | 6 1/2 | 1/2 | 3/8 |
| UL80-4N4-90V | 500 MCM | 800 MCM | 2 | 4 | 4 1/4 | 7 1/2 | 1/2 | 3/8 |
| UL100-2N-90V | 750 MCM | 1000 MCM | 1 | 1 1/2 | 3 1/4 | 6 3/4 | 1/2 | 1/2 |
| UL100-4N-90V | 750 MCM | 1000 MCM | 2 | 3 | 3 1/4 | 6 3/4 | 1/2 | 1/2 |
| UL100-4N4-90V | 750 MCM | 1000 MCM | 2 | 4 | 4 1/4 | 7 3/4 | 1/2 | 1/2 |
| UL150-2N-90V | 1000 MCM | 1500 MCM | 1 | 2 3/4 | 3 1/4 | 7 1/4 | 9/16 | 1/2 |
| UL150-4N-90V | 1000 MCM | 1500 MCM | 2 | 3 | 3 1/4 | 7 1/4 | 9/16 | 1/2 |
| UL150-4N4-90V | 1000 MCM | 1500 MCM | 2 | 4 | 4 1/4 | 8 1/4 | 9/16 | 1/2 |
| UL200-2N-90V | 1500 MCM | 2000 MCM | 1 | 3 | 3 1/4 | 7 3/4 | 11/16 | 1/2 |
| UL200-4N-90V | 1500 MCM | 2000 MCM | 2 | 3 | 3 1/4 | 7 3/4 | 11/16 | 1/2 |
| UL200-4N4-90V | 1500 MCM | 2000 MCM | 2 | 4 | 4 1/4 | 8 3/4 | 11/16 | 1/2 |



© 2011, AFL, all rights reserved. PP-3-00499, Revision 0, 3.10.11
Specifications are subject to change without notice.

# TYPE UL, U2L
## U-Bolt Variable Terminal

A conductor U-bolt type variable terminal lug for connecting cables to flat bar busses.

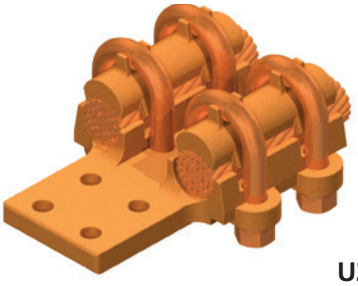


UL

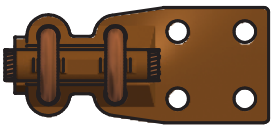
### Material
Copper Alloy

### Hardware
Everdur U-bolts, lockwashers and nuts.

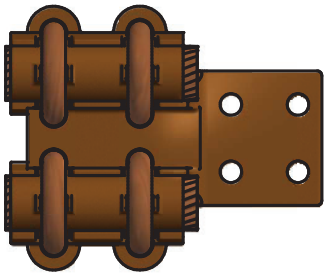
### Notes
- Contact pads other than those listed can be promptly furnished to any specified size or drilling.
- For a Two Conductor Terminal add a '2' in UL Ex:U2L150-4N4



U2L



UL



U2L

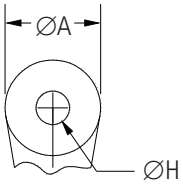



FIG. 1

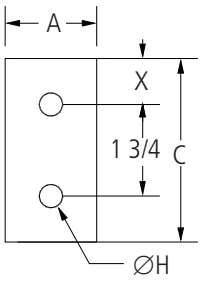



FIG. 2

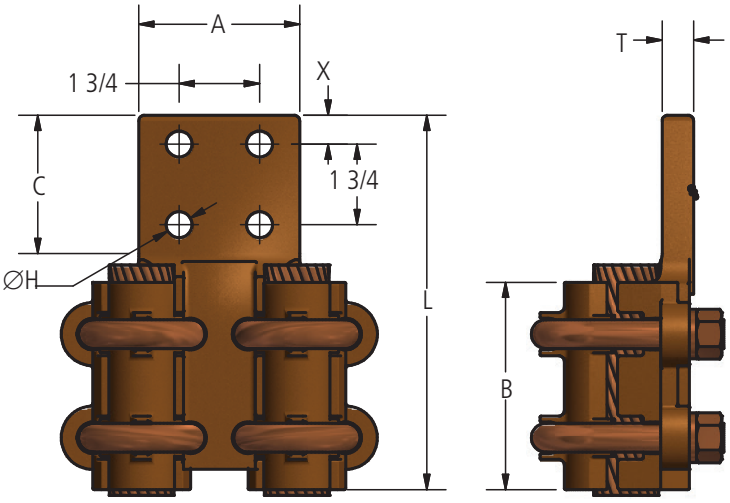



FIG. 3

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2011, AFL, all rights reserved. PP-3-00497, Revision 1, 12.30.2025
Specifications are subject to change without notice.

# TYPE UL, U2L

## U-Bolt Variable Terminal

### Ordering Information

| Catalog Number | Cable Range | | Fig. No. | Dimensions in Inches | | | | | | | U-Bolt Size |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Min. | Max. | | A | B | C | H | L | T | X | |
| UL13-1 | 6 Str | 2/0 Str | 1 | 1.25 | 2.50 | — | 0.44 | 3.88 | 0.31 | — | 5/16 |
| UL13-2 | 6 Str | 2/0 Str | 2 | 1.25 | 2.50 | 1.88 | 0.44 | 4.50 | 0.31 | 0.44 | 5/16 |
| UL13-2N | 6 Str | 2/0 Str | 2 | 1.50 | 2.50 | 3.00 | 0.56 | 5.75 | 0.31 | 0.63 | 5/16 |
| UL13-4N | 6 Str | 2/0 Str | 3 | 3.00 | 2.50 | 3.00 | 0.56 | 5.75 | 0.31 | 0.63 | 5/16 |
| UL21-1 | 1 Str | 4/0 Str | 1 | 1.50 | 2.63 | — | 0.56 | 4.25 | 0.31 | — | 3/8 |
| UL21-2 | 1 Str | 4/0 Str | 2 | 1.25 | 2.63 | 2.13 | 0.44 | 4.88 | 0.31 | 0.50 | 3/8 |
| UL21-2N | 1 Str | 4/0 Str | 2 | 1.50 | 2.63 | 3.00 | 0.56 | 5.88 | 0.31 | 0.63 | 3/8 |
| UL21-4N | 1 Str | 4/0 Str | 3 | 3.00 | 2.63 | 3.00 | 0.56 | 5.88 | 0.31 | 0.63 | 3/8 |
| UL30-1 | 1/0 Str | 300 MCM | 1 | 1.50 | 2.75 | 2.00 | 0.56 | 4.75 | 0.38 | 0.75 | 3/8 |
| UL30-2 | 1/0 Str | 300 MCM | 2 | 1.63 | 2.75 | 2.63 | 0.56 | 5.50 | 0.38 | 0.63 | 3/8 |
| UL30-2N | 1/0 Str | 300 MCM | 2 | 1.50 | 2.75 | 3.00 | 0.56 | 6.00 | 0.38 | 0.63 | 3/8 |
| UL30-4 | 1/0 Str | 300 MCM | 3 | 2.00 | 2.75 | 2.00 | 0.44 | 4.88 | 0.38 | 0.50 | 3/8 |
| UL30-4N | 1/0 Str | 300 MCM | 3 | 3.00 | 2.75 | 3.00 | 0.56 | 6.00 | 0.38 | 0.63 | 3/8 |
| UL50-1 | 300 MCM | 500 MCM | 1 | 2.13 | 3.00 | — | 0.56 | 5.25 | 0.38 | — | 3/8 |
| UL50-2 | 300 MCM | 500 MCM | 2 | 1.75 | 3.00 | 2.75 | 0.56 | 5.88 | 0.38 | 0.69 | 3/8 |
| UL50-2N | 300 MCM | 500 MCM | 2 | 1.50 | 3.00 | 3.00 | 0.56 | 6.25 | 0.38 | 0.63 | 3/8 |
| UL50-4 | 300 MCM | 500 MCM | 3 | 2.25 | 3.00 | 2.25 | 0.44 | 5.38 | 0.38 | 0.56 | 3/8 |
| UL50-4N | 300 MCM | 500 MCM | 3 | 3.00 | 3.00 | 3.00 | 0.56 | 6.25 | 0.38 | 0.63 | 3/8 |
| UL80-2 | 500 MCM | 800 MCM | 2 | 1.75 | 3.25 | 3.00 | 0.56 | 6.44 | 0.50 | 0.75 | 1/2 |
| UL80-2N | 500 MCM | 800 MCM | 2 | 1.75 | 3.25 | 3.00 | 0.56 | 6.50 | 0.50 | 0.63 | 1/2 |
| UL80-4 | 500 MCM | 800 MCM | 3 | 2.25 | 3.25 | 2.25 | 0.44 | 5.69 | 0.50 | 0.56 | 1/2 |
| UL80-4N | 500 MCM | 800 MCM | 3 | 3.00 | 3.25 | 3.00 | 0.56 | 6.50 | 0.50 | 0.63 | 1/2 |
| UL100-2 | 750 MCM | 1000 MCM | 2 | 2.00 | 3.50 | 3.13 | 0.56 | 6.81 | 0.50 | 0.75 | 1/2 |
| UL100-2N | 750 MCM | 1000 MCM | 2 | 2.00 | 3.50 | 3.00 | 0.56 | 6.75 | 0.50 | 0.63 | 1/2 |
| UL100-4 | 750 MCM | 1000 MCM | 3 | 2.38 | 3.50 | 2.38 | 0.44 | 6.13 | 0.50 | 0.56 | 1/2 |
| UL100-4N | 750 MCM | 1000 MCM | 3 | 3.00 | 3.50 | 3.00 | 0.56 | 6.75 | 0.50 | 0.63 | 1/2 |
| UL150-2 | 1000 MCM | 1500 MCM | 2 | 2.00 | 4.00 | 3.13 | 0.56 | 7.31 | 0.56 | 0.75 | 1/2 |
| UL150-2N | 1000 MCM | 1500 MCM | 2 | 2.00 | 4.00 | 3.00 | 0.56 | 7.25 | 0.56 | 0.63 | 1/2 |
| UL150-4 | 1000 MCM | 1500 MCM | 3 | 2.75 | 4.00 | 2.75 | 0.56 | 6.94 | 0.56 | 0.69 | 1/2 |
| UL150-4N | 1000 MCM | 1500 MCM | 3 | 3.00 | 4.00 | 3.00 | 0.56 | 7.25 | 0.56 | 0.63 | 1/2 |
| UL200-2 | 1500 MCM | 2000 MCM | 2 | 2.13 | 4.50 | 3.25 | 0.56 | 7.94 | 0.69 | 0.81 | 1/2 |
| UL200-2N | 1500 MCM | 2000 MCM | 2 | 2.75 | 4.50 | 3.00 | 0.56 | 7.75 | 0.69 | 0.63 | 1/2 |
| UL200-4 | 1500 MCM | 2000 MCM | 3 | 3.13 | 4.50 | 3.13 | 0.56 | 7.81 | 0.69 | 0.75 | 1/2 |
| UL200-4N | 1500 MCM | 2000 MCM | 3 | 3.00 | 4.50 | 3.00 | 0.56 | 7.75 | 0.69 | 0.63 | 1/2 |

© 2011, AFL, all rights reserved. PP-3-00497, Revision 1, 12.30.2025
Specifications are subject to change without notice.

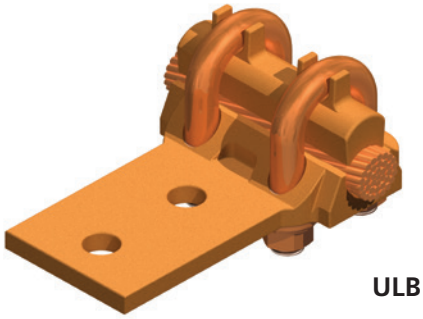
# DOSSERT®

## TYPE ULB, U2LB
**U-Bolt Terminal Lug**

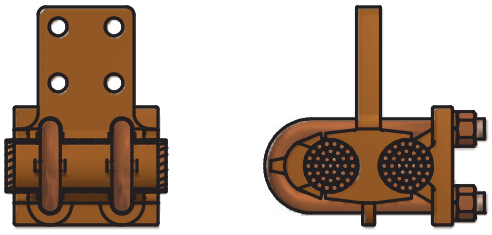
### Material
Copper Alloy

### Hardware
Everdur U-bolts, nuts, and lock washers.

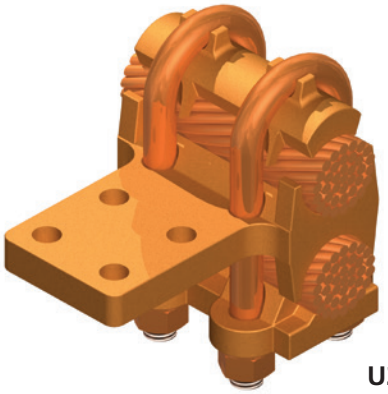
### Notes
- For tin plating add "-SN" to end of catalog number. Ex: ULB13-2N-SN
- For a Two Conductor Side Entrance Terminal add a '2' in the UL catalog number. Ex: U2LB13-2N



ULB



U2LB



U2LB

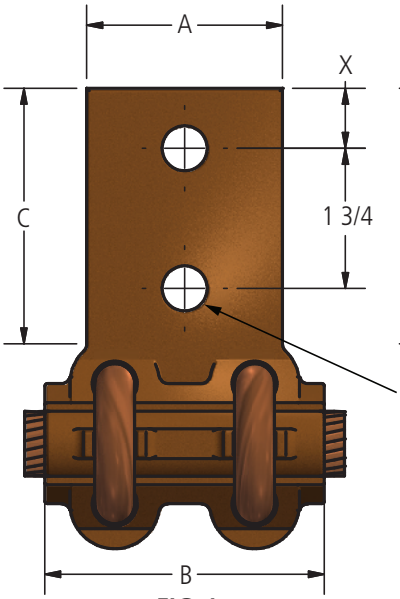



FIG. 1

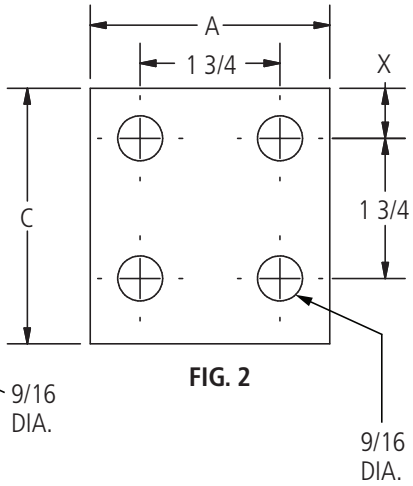
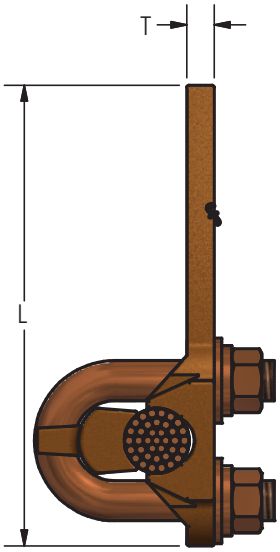



FIG. 2




ULB



© 2011, AFL, all rights reserved. PP-3-00500, Revision 2, 7.18.2022
Specifications are subject to change without notice.

DOSSERT®

# TYPE ULB, U2LB
**U-Bolt Terminal Lug**

## Ordering Information

| CATALOG NUMBER | | CABLE RANGE | | FIG. NO. | DIMENSIONS IN INCHES | | | | | | U-BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SINGLE CABLE | TWO CABLES | MIN | MAX | | A | B | C | L | X | T | |
| ULB13-2N | U2LB13-2N | 6 STR | 2/0 STR | 1 | 1 1/2 | 2 1/2 | 3 | 4 5/8 | 5/8 | 5/16 | 5/16 |
| ULB13-4N | U2LB13-4N | 6 STR | 2/0 STR | 1 | 3 | 2 1/2 | 3 | 4 5/8 | 5/8 | 5/16 | 5/16 |
| ULB21-2N | U2LB21-2N | 1 STR | 4/0 STR | 1 | 1 1/2 | 2 5/8 | 3 | 4 15/16 | 5/8 | 5/16 | 5/16 |
| ULB21-4N | U2LB21-4N | 1 STR | 4/0 STR | 2 | 3 | 2 5/8 | 3 | 4 15/16 | 5/8 | 5/16 | 5/16 |
| ULB30-2N | U2LB30-2N | 1/0 STR | 300 MCM | 1 | 1 1/2 | 2 3/4 | 3 | 5 1/16 | 5/8 | 3/8 | 5/16 |
| ULB30-4N | U2LB30-4N | 1/0 STR | 300 MCM | 2 | 3 | 2 3/4 | 3 | 5 1/16 | 5/8 | 3/8 | 5/16 |
| ULB30-4N4 | U2LB30-4N4 | 1/0 STR | 300 MCM | 2 | 4 | 2 3/4 | 4 | 6 1/16 | 1 1/8 | 3/8 | 5/16 |
| ULB50-2N | U2LB50-2N | 300 MCM | 500 MCM | 1 | 2 | 3 | 3 | 5 1/4 | 5/8 | 3/8 | 3/8 |
| ULB50-4N | U2LB50-4N | 300 MCM | 500 MCM | 2 | 3 | 3 | 3 | 5 1/4 | 5/8 | 3/8 | 3/8 |
| ULB50-4N4 | U2LB50-4N4 | 300 MCM | 500 MCM | 2 | 4 | 3 | 4 | 6 1/4 | 1 1/8 | 3/8 | 3/8 |
| ULB80-2N | U2LB80-2N | 500 MCM | 800 MCM | 1 | 1 1/2 | 3 1/4 | 3 | 5 7/8 | 5/8 | 1/2 | 1/2 |
| ULB80-4N | U2LB80-4N | 500 MCM | 800 MCM | 2 | 3 | 3 1/4 | 3 | 5 7/8 | 5/8 | 1/2 | 1/2 |
| ULB80-4N4 | U2LB80-4N4 | 500 MCM | 800 MCM | 2 | 4 | 3 1/4 | 4 | 6 7/8 | 1 1/8 | 1/2 | 1/2 |
| ULB100-2N | U2LB100-2N | 750 MCM | 1000 MCM | 1 | 2 | 3 1/2 | 3 | 6 | 5/8 | 1/2 | 1/2 |
| ULB100-4N | U2LB100-4N | 750 MCM | 1000 MCM | 2 | 3 | 3 1/2 | 3 | 6 | 5/8 | 1/2 | 1/2 |
| ULB100-4N4 | U2LB100-4N4 | 750 MCM | 1000 MCM | 2 | 4 | 3 1/2 | 4 | 7 | 1 1/8 | 1/2 | 1/2 |
| ULB150-2N | U2LB150-2N | 1000 MCM | 1500 MCM | 1 | 2 | 4 | 3 | 6 3/8 | 5/8 | 9/16 | 1/2 |
| ULB150-4N | U2LB150-4N | 1000 MCM | 1500 MCM | 2 | 3 | 4 | 3 | 6 3/8 | 5/8 | 9/16 | 1/2 |
| ULB200-2N | U2LB200-2N | 1500 MCM | 2000 MCM | 1 | 2 3/4 | 4 1/2 | 3 | 6 5/8 | 5/8 | 11/16 | 1/2 |
| ULB200-4N | U2LB200-4N | 1500 MCM | 2000 MCM | 2 | 3 1/8 | 4 1/2 | 3 1/8 | 6 5/8 | 5/8 | 11/16 | 1/2 |



© 2011, AFL, all rights reserved. PP-3-00500, Revision 2, 7.18.2022
Specifications are subject to change without notice.

DOSSERT®

# TYPE ULI, UULI

## Copper U-Bolt Variable Range Terminal

A single and double U-bolt type terminal. Each size accommodates a wide range of cable sizes. The inverted clamping member and the offset pad provides for contactmounting clearance when required.

### Material

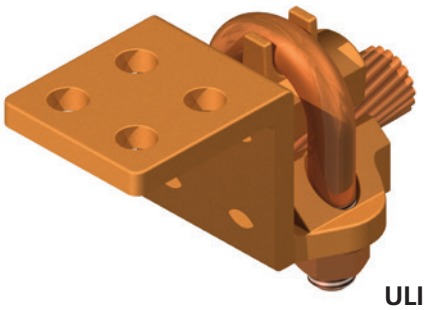
High Conductivity Copper Alloy

### Hardware

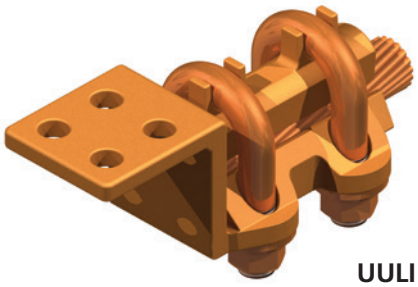
Everdur U-bolts, nuts and lockwashers.

### Note

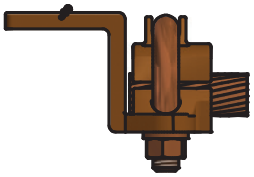
Contact pads can be furnished to any specification of size undrilled or drilled to specified hole sizes and center to center dimensions.



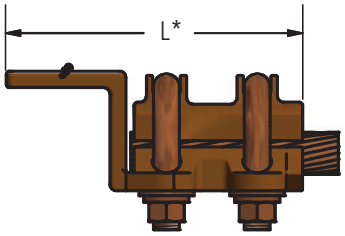
ULI



UULI



ULI




UULI

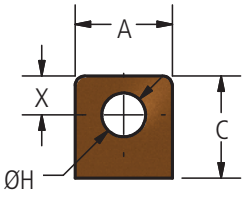



FIG. 1

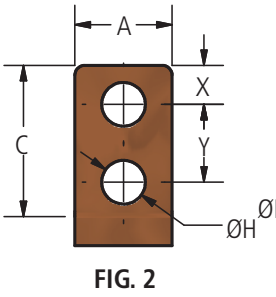



FIG. 2

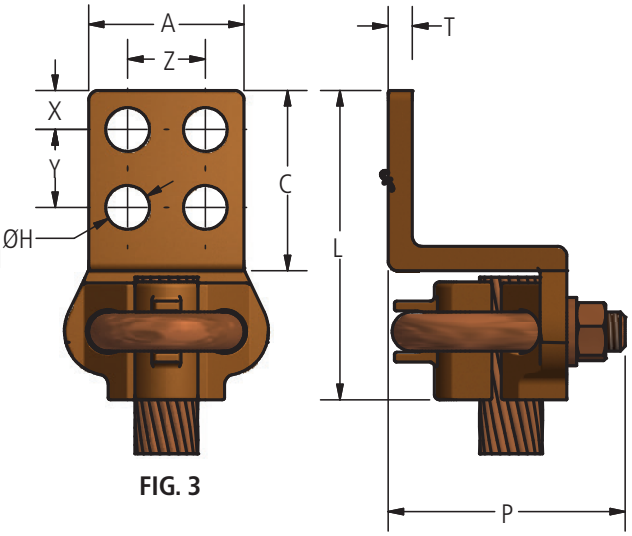



FIG. 3



© 2011, AFL, all rights reserved. PP-3-00501, Revision 2, 8.31.2022
Specifications are subject to change without notice.

DOSSERT®

# TYPE ULI, UULI

## Copper U-Bolt Variable Range Terminal

## Ordering Information

| CATALOG NUMBER | | CABLE RANGE | | FIG. NO. | DIMENSIONS IN INCHES | | | | | | | | | | U-BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ULI | UULI | MIN | MAX | | A | C | H | L | L* | P | T | X | Y | Z | |
| ULI13-1 | UULI13-1 | 6 SOL | 2/0 STR | 1 | 1 1/4 | 1 1/4 | 7/16 | 3 | 3 | 2 1/16 | 5/16 | 5/8 | – | – | 5/16 |
| ULI13-2 | UULI13-2 | 6 SOL | 2/0 STR | 2 | 1 1/4 | 1 7/8 | 7/16 | 3 5/8 | 3 5/8 | 2 1/16 | 5/16 | 7/16 | 1 | – | 5/16 |
| ULI13-2N | UULI13-2N | 6 SOL | 2/0 STR | 2 | 1 1/2 | 3 | 9/16 | 4 3/4 | 4 3/4 | 2 1/16 | 5/16 | 5/8 | 1 3/4 | – | 5/16 |
| ULI13-4 | UULI13-4 | 6 SOL | 2/0 STR | 3 | 2 | 2 | 7/16 | 3 3/4 | 3 3/4 | 2 1/16 | 5/16 | 1/2 | 1 | 1 | 5/16 |
| ULI13-4N | UULI13-4N | 6 SOL | 2/0 STR | 3 | 3 | 3 | 9/16 | 4 3/4 | 4 3/4 | 2 1/16 | 5/16 | 5/8 | 1 3/4 | 1 3/4 | 5/16 |
| ULI21-1 | UULI21-1 | 1 SOL | 4/0 STR | 1 | 1 1/2 | 1 1/2 | 9/16 | 3 5/16 | 3 5/16 | 2 3/16 | 5/16 | 3/4 | – | – | 3/8 |
| ULI21-2 | UULI21-2 | 1 SOL | 4/0 STR | 2 | 1 1/4 | 2 1/8 | 7/16 | 3 15/16 | 3 15/16 | 2 3/16 | 5/16 | 1/2 | 1 1/8 | – | 3/8 |
| ULI21-2N | UULI21-2N | 1 SOL | 4/0 STR | 2 | 1 1/2 | 3 | 9/16 | 4 13/16 | 4 13/16 | 2 3/16 | 5/16 | 5/8 | 1 3/4 | – | 3/8 |
| ULI21-4 | UULI21-4 | 1 SOL | 4/0 STR | 3 | 2 | 2 | 7/16 | 3 13/16 | 3 13/16 | 2 3/16 | 5/16 | 1/2 | 1 | 1 | 3/8 |
| ULI21-4N | UULI21-4N | 1 SOL | 4/0 STR | 3 | 3 | 3 | 9/16 | 4 13/16 | 4 13/16 | 2 3/16 | 5/16 | 5/8 | 1 3/4 | 1 3/4 | 3/8 |
| ULI30-1 | UULI30-1 | 1/0 STR | 300 MCM | 1 | 1 7/8 | 1 7/8 | 9/16 | 3 3/4 | 3 3/4 | 2 5/16 | 3/8 | 15/16 | – | – | 3/8 |
| ULI30-2 | UULI30-2 | 1/0 STR | 300 MCM | 2 | 1 5/8 | 2 5/8 | 9/16 | 4 1/2 | 4 1/2 | 2 5/16 | 3/8 | 5/8 | 1 1/8 | – | 3/8 |
| ULI30-2N | UULI30-2N | 1/0 STR | 300 MCM | 2 | 1 1/2 | 3 | 9/16 | 4 7/8 | 4 7/8 | 2 5/16 | 3/8 | 5/8 | 1 3/4 | – | 1/2 |
| ULI30-4 | UULI30-4 | 1/0 STR | 300 MCM | 3 | 2 | 2 | 7/16 | 3 7/8 | 3 7/8 | 2 5/16 | 3/8 | 1/2 | 1 | 1 | 3/8 |
| ULI30-4N | UULI30-4N | 1/0 STR | 300 MCM | 3 | 3 | 3 | 9/16 | 4 7/8 | 4 7/8 | 2 5/16 | 3/8 | 5/8 | 1 3/4 | 1 3/4 | 1/2 |
| ULI50-1 | UULI50-1 | 300 MCM | 500 MCM | 1 | 2 1/8 | 2 1/8 | 9/16 | 4 1/8 | 4 1/8 | 2 7/8 | 3/8 | 1 1/16 | – | – | 3/8 |
| ULI50-2 | UULI50-2 | 300 MCM | 500 MCM | 2 | 1 3/4 | 2 3/4 | 9/16 | 4 7/8 | 4 7/8 | 2 7/8 | 3/8 | 1 1/16 | 1 3/8 | – | 3/8 |
| ULI50-2N | UULI50-2N | 300 MCM | 500 MCM | 2 | 1 1/2 | 3 | 9/16 | 5 1/8 | 5 1/8 | 2 7/8 | 3/8 | 5/8 | 1 3/4 | – | 1/2 |
| ULI50-4 | UULI50-4 | 300 MCM | 500 MCM | 3 | 2 1/4 | 2 1/4 | 7/16 | 4 3/8 | 4 3/8 | 2 7/8 | 3/8 | 9/16 | 1 1/8 | 1 1/8 | 3/8 |
| ULI50-4N | UULI50-4N | 300 MCM | 500 MCM | 3 | 3 | 3 | 9/16 | 5 1/8 | 5 1/8 | 2 7/8 | 3/8 | 5/8 | 1 3/4 | 1 3/4 | 1/2 |
| ULI80-1 | UULI80-1 | 500 MCM | 800 MCM | 1 | 2 3/8 | 2 3/4 | 9/16 | 4 5/8 | 4 5/8 | 3 3/8 | 3/8 | 1 1/16 | – | – | 1/2 |
| ULI80-2 | UULI80-2 | 500 MCM | 800 MCM | 2 | 1 3/4 | 3 | 9/16 | 5 1/4 | 5 1/4 | 3 3/8 | 3/8 | 3/4 | 1 1/8 | – | 1/2 |
| ULI80-2N | UULI80-2N | 500 MCM | 800 MCM | 2 | 1 3/4 | 3 | 9/16 | 5 1/4 | 6 3/4 | 3 3/8 | 3/8 | 5/8 | 1 3/4 | – | 1/2 |
| ULI80-4 | UULI80-4 | 500 MCM | 800 MCM | 3 | 2 1/4 | 2 1/4 | 7/16 | 4 1/2 | 4 1/2 | 3 3/8 | 3/8 | 9/16 | 1 1/8 | 1 1/8 | 1/2 |
| ULI80-4N | UULI80-4N | 500 MCM | 800 MCM | 3 | 3 | 3 | 9/16 | 5 1/4 | 6 3/4 | 3 3/8 | 3/8 | 5/8 | 1 3/4 | 1 3/4 | 1/2 |
| ULI100-1 | UULI100-1 | 750 MCM | 1000 MCM | 1 | 2 1/2 | 2 1/2 | 9/16 | 4 7/8 | 4 7/8 | 3 1/2 | 1/2 | 1 1/4 | – | – | 1/2 |
| ULI100-2 | UULI100-2 | 750 MCM | 1000 MCM | 2 | 2 | 3 1/8 | 9/16 | 5 1/2 | 5 1/2 | 3 1/2 | 1/2 | 3/4 | 1 5/8 | – | 1/2 |
| ULI100-2N | UULI100-2N | 750 MCM | 1000 MCM | 2 | 2 | 3 | 9/16 | 5 3/8 | 5 3/8 | 3 1/2 | 1/2 | 5/8 | 1 3/4 | – | 1/2 |
| ULI100-4 | UULI100-4 | 750 MCM | 1000 MCM | 3 | 2 3/8 | 2 3/8 | 7/16 | 4 3/4 | 4 3/4 | 3 1/2 | 1/2 | 9/16 | 1 1/4 | 1 1/4 | 1/2 |
| ULI100-4N | UULI100-4N | 750 MCM | 1000 MCM | 3 | 3 | 3 | 9/16 | 5 3/8 | 5 3/8 | 3 1/2 | 1/2 | 5/8 | 1 3/4 | 1 3/4 | 1/2 |
| ULI150-1 | UULI150-1 | 1000 MCM | 1500 MCM | 1 | 2 3/4 | 2 3/4 | 9/16 | 5 1/2 | 5 1/2 | 3 3/4 | 9/16 | 1 3/8 | – | – | 1/2 |
| ULI150-2 | UULI150-2 | 1000 MCM | 1500 MCM | 2 | 2 | 3 1/8 | 9/16 | 5 3/4 | 5 3/4 | 3 3/4 | 9/16 | 3/4 | 1 5/8 | – | 1/2 |
| ULI150-2N | UULI150-2N | 1000 MCM | 1500 MCM | 2 | 2 | 3 | 9/16 | 5 5/8 | 5 5/8 | 3 3/4 | 9/16 | 5/8 | 1 3/4 | – | 1/2 |
| ULI150-4 | UULI150-4 | 1000 MCM | 1500 MCM | 3 | 2 3/4 | 2 3/4 | 9/16 | 5 3/8 | 5 3/8 | 3 3/4 | 9/16 | 11/16 | 1 1/2 | 1 1/2 | 1/2 |
| ULI150-4N | UULI150-4N | 1000 MCM | 1500 MCM | 3 | 3 | 3 | 9/16 | 5 5/8 | 5 5/8 | 3 3/4 | 9/16 | 5/8 | 1 3/4 | 1 3/4 | 1/2 |
| ULI200-1 | UULI200-1 | 1500 MCM | 2000 MCM | 1 | 2 3/4 | 2 3/4 | 9/16 | 5 7/8 | 5 7/8 | 4 1/8 | 9/16 | 1 3/8 | – | – | 1/2 |
| ULI200-2 | UULI200-2 | 1500 MCM | 2000 MCM | 2 | 2 1/8 | 3 1/4 | 9/16 | 6 1/8 | 6 1/8 | 4 1/8 | 9/16 | 11/16 | 1 5/8 | – | 1/2 |
| ULI200-2N | UULI200-2N | 1500 MCM | 2000 MCM | 2 | 2 3/4 | 3 | 9/16 | 5 7/8 | 5 7/8 | 4 1/8 | 9/16 | 5/8 | 1 3/4 | – | 1/2 |
| ULI200-4 | UULI200-4 | 1500 MCM | 2000 MCM | 3 | 3 1/8 | 3 1/8 | 9/16 | 6 | 6 | 4 1/8 | 9/16 | 3/4 | 1 3/4 | 1 3/4 | 1/2 |
| ULI200-4N | UULI200-4N | 1500 MCM | 2000 MCM | 3 | 3 | 3 | 9/16 | 5 7/8 | 5 7/8 | 4 1/8 | 9/16 | 5/8 | 1 3/4 | 1 3/4 | 1/2 |

L* = Length for UULI items



© 2011, AFL, all rights reserved. PP-3-00501, Revision 2, 8.31.2022
Specifications are subject to change without notice.

# Table of Contents

## Bronze Compression

Bronze Compression Table of Contents . . . . . 215
Bronze Compression Pictorial Index . . . . . 216

*Bronze Compression Connectors*

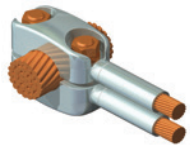
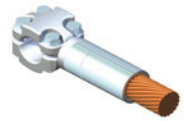
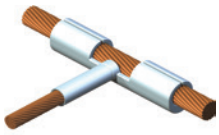
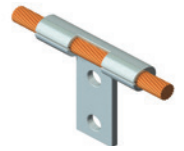
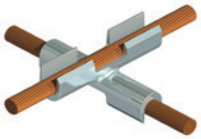
Type BC2KT . . . . . 217
Type BCKT . . . . . 218
Type CST . . . . . 220
Type CSTF . . . . . 222
Type CSX . . . . . 223
Type DPC-T . . . . . 224
Type DPC-SH1, DPC-SH2, DPC-SH-90 . . . . . 225
Type DPCP, DPCP-T . . . . . 227
Type DPL, DPLA-45, DPLA-90 . . . . . 228
Type DPLE-N . . . . . 231
Type DPLS . . . . . 233
Type DPR . . . . . 236
Type LCA . . . . . 238
Type LCAE-N . . . . . 239
Bronze Installation Tool Reference . . . . . 240

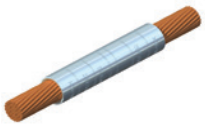
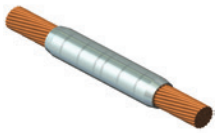
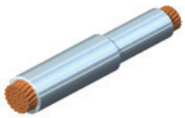
© 2011, AFL, all rights reserved. PP-3-00030, Revision 12, 5.12.2026
Specifications are subject to change without notice.



AFLglobal.com
1 (800) 890-8878

# Pictoral Index


| Bronze Compression Connectors | |
|---|---|
|  | BC2KT SERIES<br>PG. 217 |
|  | BCKT SERIES<br>PG. 218 |
|  | CST SERIES<br>PG. 220 |
|  | CSTF SERIES<br>PG. 222 |
|  | CSX SERIES<br>PG. 223 |
|  | DPC-T SERIES<br>PG. 224 |
|  | DPC-SH-1 SERIES<br>PG. 225 |
|  | DPC-SH-90 SERIES<br>PG. 225 |

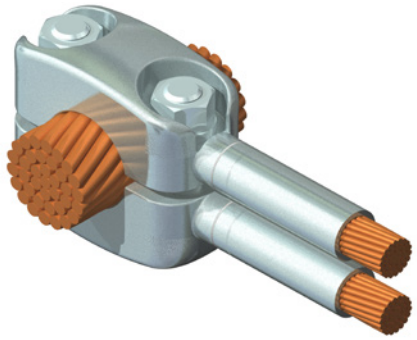
| | |
|---|---|
|  | DPCP SERIES<br>PG. 227 |
|  | DPCP-T SERIES<br>PG. 227 |
|  | DPL SERIES<br>PG. 228 |
|  | DPLE-N SERIES<br>PG. 231 |
|  | DPLS SERIES<br>PG. 233 |
|  | DPR SERIES<br>PG. 236 |
|  | LCA SERIES<br>PG. 238 |
|  | LCAE-N SERIES<br>PG. 239 |


© 2011, AFL, all rights reserved. PP-3-00031, Revision 12, 5.12.2026
Specifications are subject to change without notice.

# DOSSERT®

## TYPE BC2KT

### Copper Tee Connector With Mechanical Clamp Round and Compression Tap



### Material

Tin plated copper alloy

### Hardware

Tin plated Evedur bolts and lock washers.

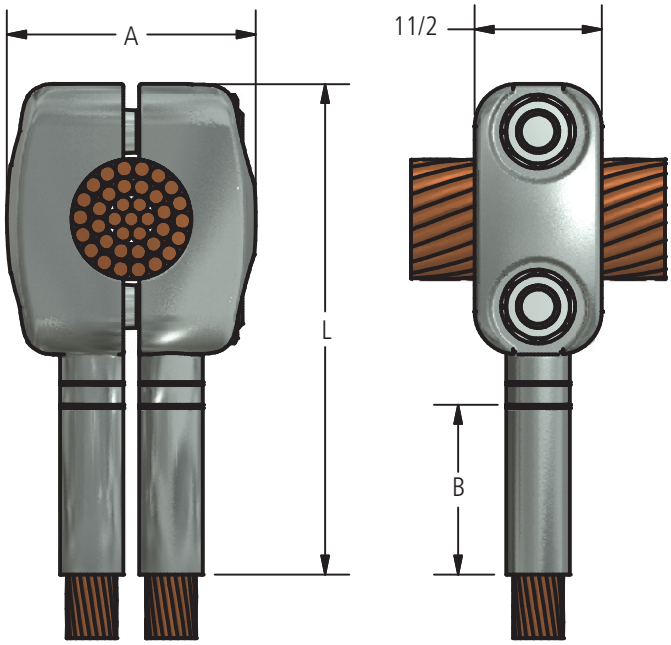



FIG. 1

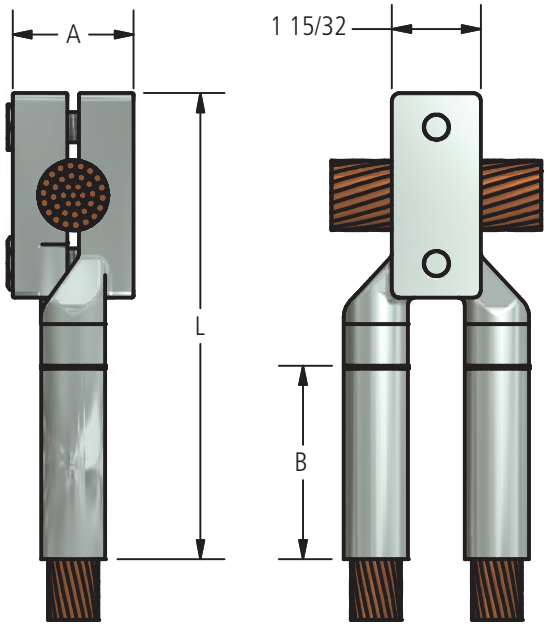



FIG. 2

## Ordering Information

| CATALOG NUMBER | FIG. NO. | CABLE SIZE | | DIMENSION IN INCHES | | |
|---|---|---|---|---|---|---|
| | | RUN | TAP | A | B | L |
| BC2KT50-25 | 1 | 500 MCM | 250 MCM | 2 7/32 | 2 | 4 29/32 |
| BC2KT100-25 | 1 | 1000 MCM | 250 MCM | 2 5/8 | 2 | 5 9/16 |
| BC2KT100-50-S | 2 | 1000 MCM | 500 MCM | 2 | 3 3/8 | 7 11/16 |
| BC2KT150-25 | 1 | 1500 MCM | 250 MCM | 2 13/16 | 2 | 5 13/16 |
| BC2KT150-50-S | 2 | 1500 MCM | 500 MCM | 2 | 3 3/8 | 7 11/16 |

For information on installation tools refer to pages 246 and 247.

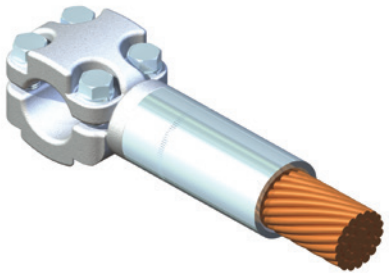


© 2011, AFL, all rights reserved. PP-3-00241, Revision 1, 3.28.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE BCKT

### Copper Tee Connector With Mechanical Clamp Rund and Compression Tap



A tee connector composed of a clamp type run element and a compression type connector for the tap. This connector has a wide application where various taps are to be taken from a continuous run.

**Material**

Tin plated copper alloy

**Hardware**

Tin plated Everdur bolts and lock washers.

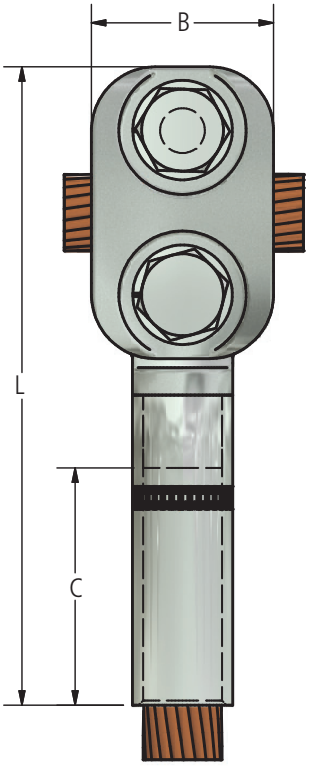



FIG. 1

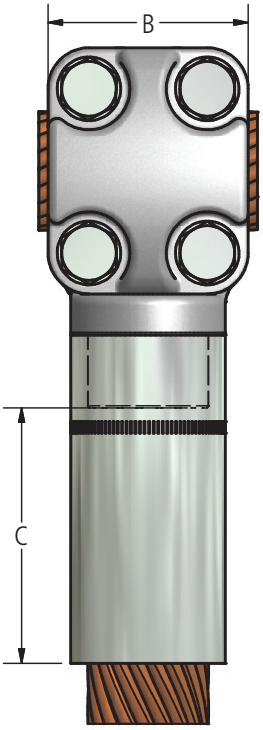
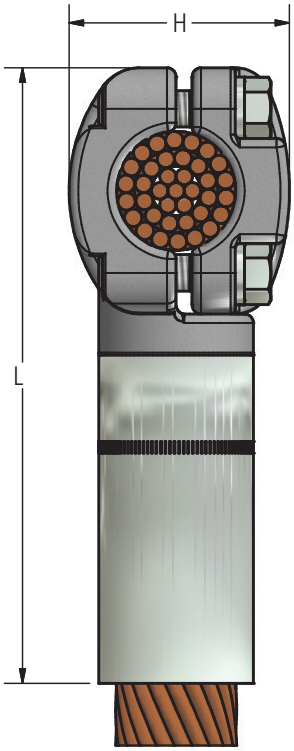



FIG. 2






© 2011, AFL, all rights reserved. PP-3-00242, Revision 1, 3.28.2023
Specifications are subject to change without notice.

DOSSERT®

# TYPE BCKT

## Copper Tee Connector With Mechanical Clamp Rund and Compression Tap

## Ordering Information

| CATALOG NUMBER | CONDUCTOR SIZE | | FIG. NO. | DIMENSIONS IN INCHES | | | |
|---|---|---|---|---|---|---|---|
| | RUN | TAP | | B | C | H | L |
| BCKT21-6 | 4/0 STR | 2 STR | 1 | 1 1/2 | 1 5/16 | 1 1/2 | 3 7/8 |
| BCKT21-10 | 4/0 STR | 1/0 STR | 1 | 1 1/2 | 1 7/16 | 1 1/2 | 4 1/16 |
| BCKT21-13 | 4/0 STR | 2/0 STR | 1 | 1 1/2 | 1 9/16 | 1 1/2 | 4 3/16 |
| BCKT21-21 | 4/0 STR | 4/0 STR | 2 | 2 1/8 | 1 11/16 | 1 1/2 | 4 3/8 |
| BCKT25-6 | 250 MCM | 2 STR | 1 | 1 1/2 | 1 5/16 | 1 1/2 | 3 7/8 |
| BCKT29-10 | 250 MCM | 1/0 STR | 1 | 1 1/2 | 1 7/16 | 1 1/2 | 4 1/8 |
| BCKT25-13 | 250 MGM | 2/0 STR | 1 | 1 1/2 | 1 9/16 | 1 1/2 | 4 1/4 |
| BCKT25-21 | 250 MCM | 4/0 STR | 2 | 2 1/8 | 1 11/16 | 1 1/2 | 4 7/16 |
| BCKT25-25 | 250 MCM | 250 MCM | 2 | 2 1/8 | 1 11/16 | 1 1/2 | 4 1/2 |
| BCKT35-10 | 350 MCM | 1/0 STR | 1 | 2 1/8 | 1 7/16 | 1 9/16 | 4 3/16 |
| BCKT35-13 | 350 MCM | 2/0 STR | 1 | 1 1/2 | 1 9/16 | 1 9/16 | 4 3/8 |
| BCKT35-21 | 350 MCM | 4/0 STR | 2 | 2 1/8 | 1 11/16 | 1 9/16 | 4 9/16 |
| BCKT35- 25 | 350 MCM | 250 MCM | 2 | 2 1/8 | 1 11/16 | 1 9/16 | 4 /8 |
| BCKT35-35 | 350 MCM | 350 MCM | 2 | 2 1/8 | 2 1/8 | 1 9/16 | 5 1/16 |
| BCKT50-13 | 500 MCM | 2/0 STR | 1 | 1 1/2 | 1 9/16 | 1 11/16 | 4 1/2 |
| BCKT50-21 | 500 MCM | 4/0 STR | 2 | 2 1/8 | 1 11/16 | 1 11/16 | 4 11/16 |
| BCKT50-25 | 500 MCM | 250 MCM | 2 | 2 1/8 | 1 11/16 | 1 11/16 | 4 3/4 |
| BCKT50-35 | 500 MCM | 350 MCM | 2 | 2 1/8 | 2 1/8 | 1 11/16 | 5 1/8 |
| BCKT50-50 | 500 MCM | 500 MCM | 2 | 2 1/8 | 2 1/4 | 1 11/16 | 5 7/16 |
| BCKT75-13 | 750 MCM | 2/0 STR | 1 | 1 1/2 | 1 9/16 | 1 7/8 | 4 11/16 |
| BCKT25-21 | 750 MCM | 4/0 STR | 2 | 2 1/8 | 1 11/16 | 1 7/8 | 4 7/8 |
| BCKT75-25 | 750 MCM | 250 MCM | 2 | 2 1/8 | 1 11/16 | 1 7/8 | 4 15/16 |
| BCKT75-35 | 750 MCM | 350 MCM | 2 | 2 1/8 | 2 1/8 | 1 7/8 | 4 5/16 |
| BCKT75-50 | 750 MCM | 500 MCM | 2 | 2 1/8 | 2 1/4 | 1 7/8 | 5 5/8 |
| BCKT79-75 | 750 MCM | 750 MCM | 2 | 2 1/8 | 2 7/8 | 1 7/8 | 6 5/16 |
| BCKT100-13 | 1000 MCM | 2/0 STR | 1 | 1 1/2 | 1 9/16 | 2 3/16 | 4 13/16 |
| BCKT100-21 | 1000 MCM | 4/0 STR | 2 | 2 1/8 | 1 11/16 | 2 3/16 | 5 |
| BCKT100-25 | 1000 MCM | 250 MCM | 2 | 2 1/8 | 1 11/16 | 2 3/16 | 5 1/16 |
| BCKT100-35 | 1000 MCM | 350 MCM | 2 | 2 1/8 | 2 1/8 | 2 3/16 | 5 1/2 |
| BCKT100-50 | 1000 MCM | 500 MCM | 2 | 2 1/8 | 2 1/4 | 2 3/16 | 5 13/15 |
| BCKT100-75 | 1000 MCM | 750 MCM | 2 | 2 1/8 | 2 7/8 | 2 1/4 | 6 7/16 |
| BCKT100-100 | 1000 MCM | 1000 MCM | 2 | 2 3/4 | 3 | 2 3/8 | 7 1/16 |

For information on installation tools refer to pages 246 and 247.



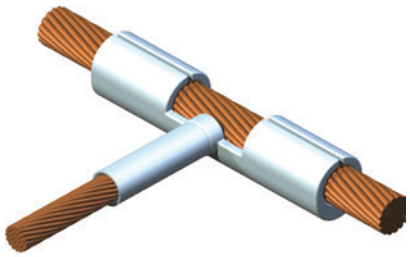
© 2011, AFL, all rights reserved. PP-3-00242, Revision 1, 3.28.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE CST

### Copper Compression Tee Connector For Cable To Cable

A tee connector with compression elements on both run and tap. Designed to make tap connections on a continuous run. Run member is U-shaped before installation and after compression the heavily tapered tabs conform to cable to produce a secure electrical and mechanical connection.

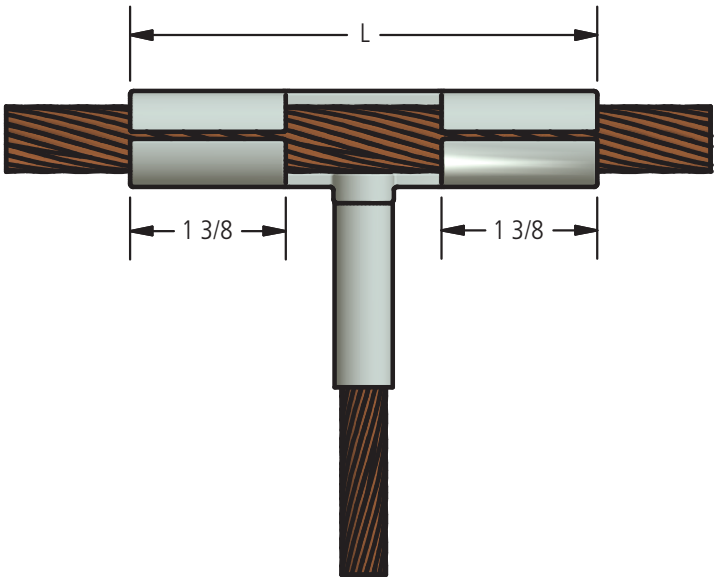


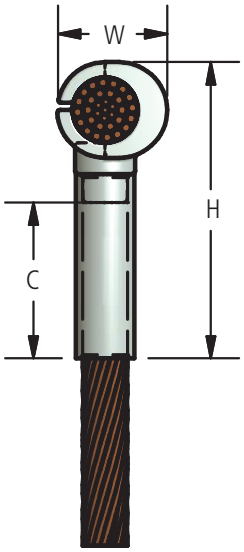
### Material

Tin plated copper alloy

### Note

Tool references furnished upon request.






© 2011, AFL, all rights reserved. PP-3-00295, Revision 2, 3.28.2023
Specifications are subject to change without notice.

DOSSERT®

# TYPE CST

## Copper Compression Tee Connector For Cable To Cable

## Ordering Information

| CATALOG NUMBER | CABLE RANGE | | DIMESIONS IN INCHES | | | | NUMBER OF INDENT |
|---|---|---|---|---|---|---|---|
| | RUN | TAP | C | H | L | W | |
| CST13-13 | 2/0 Str. | 2/0 Str. | 1 1/2 | 2 1/2 | 3 13/16 | 5/8 | 1 |
| CST21-2 | 4/0 Str. | 6 Str. | 1 1/4 | 2 5/16 | 3 3/4 | 7/8 | 1 |
| CST21-4 | 4/0 Str. | 4 Str. | 1 1/4 | 2 5/16 | 3 3/4 | 7/8 | 1 |
| CST21-6 | 4/0 Str. | 2 Str. | 1 5/16 | 2 7/16 | 3 3/4 | 7/8 | 1 |
| CST21-8 | 4/0 Str. | 1 Str. | 1 3/8 | 2 9/16 | 4 | 7/8 | 1 |
| CST21-10 | 4/0 Str. | 1/0 Str. | 1 3/8 | 2 9/16 | 4 | 7/8 | 1 |
| CST21-13 | 4/0 Str. | 2/0 Str. | 1 1/2 | 2 11/16 | 4 | 7/8 | 1 |
| CST21-17 | 4/0 Str. | 3/0 Str. | 1 1/2 | 2 11/16 | 4 | 7/8 | 1 |
| CST21-21 | 4/0 Str. | 4/0 Str. | 1 5/8 | 2 3/4 | 4 | 7/8 | 1 |
| CST25-2 | 250 kcmil | 6 Str. | 1 1/4 | 2 3/8 | 3 13/16 | 15/16 | 1 |
| CST25-4 | 250 kcmil | 4 Str. | 1 1/4 | 2 3/8 | 3 13/16 | 15/16 | 1 |
| CST25-6 | 250 kcmil | 2 Str. | 1 5/16 | 2 1/2 | 3 13/16 | 15/16 | 1 |
| CST25-8 | 250 kcmil | 1 Str. | 1 3/8 | 2 5/8 | 3 13/16 | 15/16 | 1 |
| CST25-10 | 250 kcmil | 1/0 Str. | 1 3/8 | 2 5/8 | 4 1/8 | 15/16 | 1 |
| CST25-13 | 250 kcmil | 2/0 Str. | 1 1/2 | 2 3/4 | 4 1/8 | 15116 | 1 |
| CST25-17 | 250 kcmil | 3/0 Str. | 1 1/2 | 2 3/4 | 4 1/8 | 15/16 | 1 |
| CST25-21 | 250 kcmil | 4/0 Str. | 1 5/8 | 2 7/8 | 4 1/8 | 15/16 | 1 |
| CST25-25 | 250 kcmil | 250 kcmil | 1 5/8 | 2 7/8 | 4 1/8 | 15/16 | 1 |
| CST35-2 | 350 kcmil | 6 Str. | 1 1/4 | 2 5/8 | 4 1/16 | 1 1/16 | 1 |
| CST35-4 | 350 kcmil | 4 Str. | 1 1/4 | 2 5/8 | 4 1/16 | 1 1/16 | 1 |
| CST35-6 | 350 kcmil | 2 Str. | 1 5/16 | 2 11/16 | 4 1/16 | 1 1/16 | 1 |
| CST35-8 | 350 kcmil | 1 Str. | 1 3/8 | 2 13/16 | 4 1/16 | 1 1/16 | 1 |
| CST35-10 | 350 kcmil | 1/0 Str. | 1 3/8 | 2 3/4 | 4 1/16 | 1 1/16 | 1 |
| CST35-13 | 350 kcmil | 2/0 Str. | 1 1/2 | 2 7/8 | 4 1/16 | 1 1/16 | 1 |
| CST35-17 | 350 kcmil | 3/0 Str. | 1 1/2 | 2 7/8 | 4 9/16 | 1 1/16 | 1 |
| CST35-21 | 350 kcmil | 4/0 Str. | 1 5/8 | 3 | 4 9/16 | 1 1/16 | 1 |
| CST35-25 | 350 kcmil | 250 kcmil | 1 5/8 | 3 | 4 9/16 | 1 1/16 | 1 |
| CST35-35 | 350 kcmil | 350 kcmil | 2 | 3 3/8 | 4 9/16 | 1 1/16 | 2 |
| CST50-4 | 500 kcmil | 4 Str. | 1 1/4 | 2 3/4 | 4 3/16 | 1 1/16 | 1 |
| CST50-6 | 500 kcmil | 2 Str. | 1 5/16 | 2 7/8 | 4 3/16 | 1 1/16 | 1 |
| CST50-8 | 500 kcmil | 1Str. | 1 3/8 | 2 15/16 | 4 3/16 | 1 1/16 | 1 |
| CST50-10 | 500 kcmil | 1/0 Str. | 1 3/8 | 2 15/16 | 4 3/16 | 1 1/16 | 1 |
| CST50-13 | 500 kcmil | 2/0 Str. | 1 1/2 | 3 1/16 | 4 3/16 | 1 1/16 | 1 |
| CST50-17 | 500 kcmil | 3/0 Str. | 1 1/2 | 3 | 4 11/16 | 1 1/16 | 1 |
| CST50-21 | 500 kcmil | 4/0 Str. | 1 5/8 | 3 1/8 | 4 11/16 | 1 1/16 | 1 |
| CST50-25 | 500 kcmil | 250 kcmil | 1 5/8 | 3 1/8 | 4 11/16 | 1 1/16 | 1 |
| CST50-35 | 500 kcmil | 350 kcmil | 2 | 3 1/2 | 4 11/16 | 1 1/16 | 2 |
| CST50-50 | 500 kcmil | 500 kcmil | 2 1/4 | 3 3/4 | 4 11/16 | 1 1/16 | 2 |

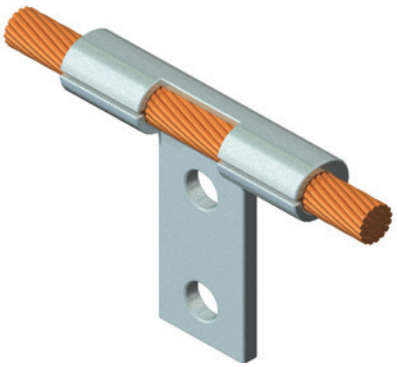


© 2011, AFL, all rights reserved. PP-3-00295, Revision 2, 3.28.2023
Specifications are subject to change without notice.

# Bronze Compression Connectors

## DOSSERT®

## TYPE CSTF
**Compression Tap Connector**



### Material
Tin plated copper alloy

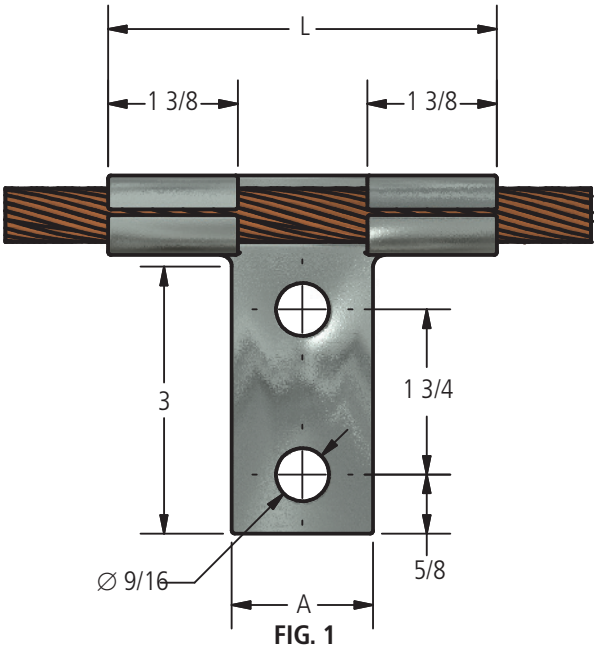


FIG. 1

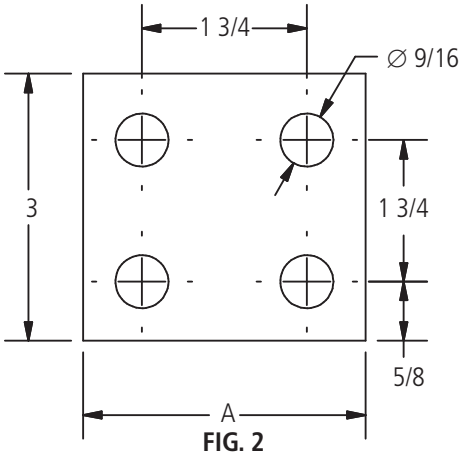
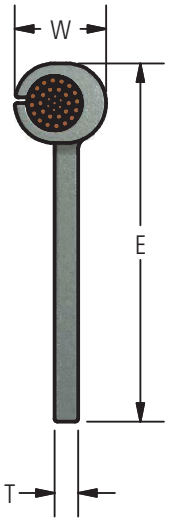


FIG. 2




## Ordering Information

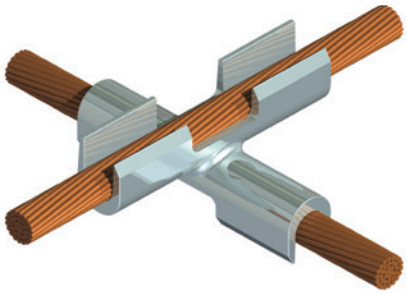
| CATALOG NUMBER | CABLE SIZE | FIG. NO. | DIMENSIONS IN INCHES | | | | |
|---|---|---|---|---|---|---|---|
| | | | A | E | L | T | W |
| CSTF13-1-2N | 2/0 STR | 1 | 1 1/2 | 3 7/8 | 4 3/4 | 1/4 | 3/4 |
| CSTF21-1-2N | 4/0 STR | 1 | 1 1/2 | 4 1/16 | 4 3/4 | 1/4 | 7/8 |
| CSTF21-1-4N | 4/0 STR | 2 | 3 | 4 1/16 | 6 1/4 | 1/4 | 7/8 |
| CSTF35-1-2N | 350 MCM | 1 | 1 1/2 | 4 3/16 | 4 3/4 | 5/16 | 1 1/16 |
| CSTF35-1-4N | 350 MCM | 2 | 3 | 4 3/16 | 6 1/4 | 5/16 | 1 1/16 |
| CSTF50-1-4N | 500 MCM | 2 | 3 | 4 5/16 | 6 1/4 | 3/8 | 1 3/16 |



© 2011, AFL, all rights reserved. PP-3-00296, Revision 2, 3.28.2023
Specifications are subject to change without notice.

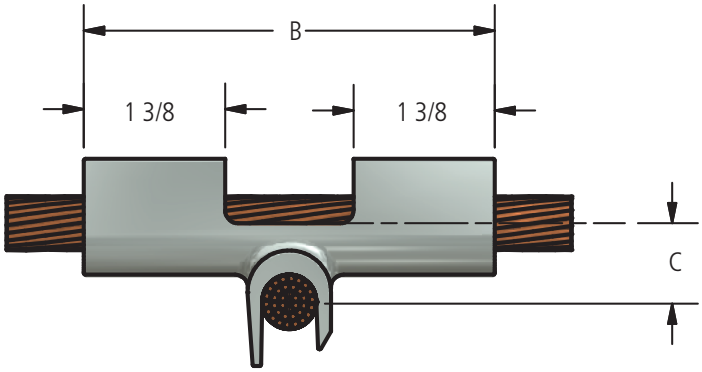
# DOSSERT®

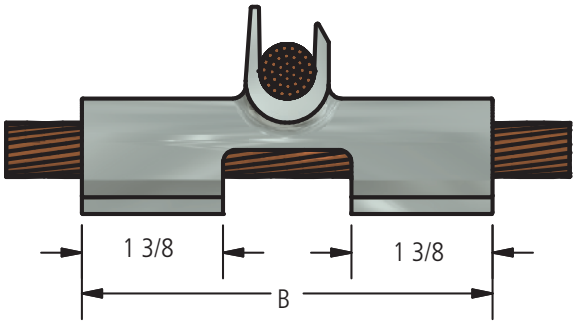
## TYPE CSX
### Compression Cross Connector



### Material

Tin plated copper alloy




## Ordering Information

| CATALOG NUMBER | CONDUCTOR SIZE | | DIMENSIONS IN INCHES | |
|---|---|---|---|---|
| | | | B | C |
| CSX13-13 | 2/0 STR | 2/0 STR | 3 13/16 | 19/32 |
| CSX21-13 | 4/0 STR | 2/0 STR | 4 1/4 | 3/4 |
| CSX21-21 | 4/0 STR | 4/0 STR | 4 1/4 | 25/32 |
| CSX50-50 | 500 MCM | 500 MCM | 4 5/8 | 1 1/8 |



© 2011, AFL, all rights reserved. PP-3-00297, Revision 1, 3.28.2023
Specifications are subject to change without notice.

# Bronze Compression Connectors

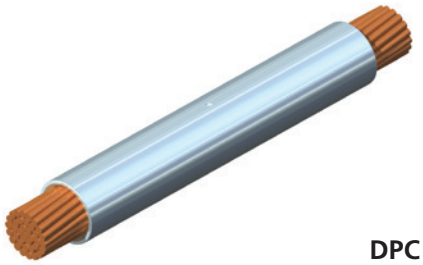


## DOSSERT®

## TYPE DPC-T

### Copper Compression Coupler For Cable

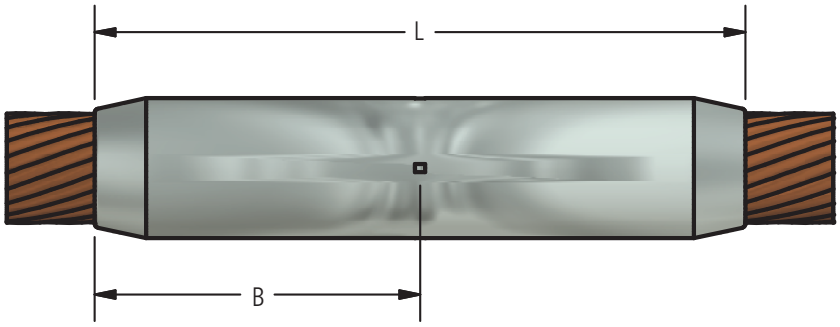
A seamless sleeve coupler for splicing two cables end to end. This coupler is designed to fit the assembling dies of all standard hydraulic presses. Installation is quickly effected by slipping the connector over the free cable ends and forming indentations.

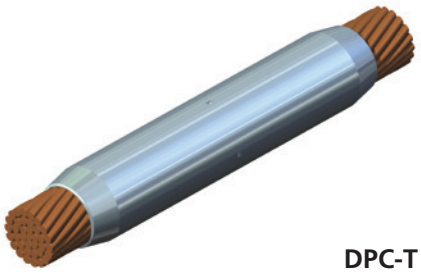


DPC

### Material

Tin plated copper alloy



DPC-T

## Ordering Information

| CATALOG NUMBER | | CABLE SIZE | DIMENSIONS IN INCHES | |
|---|---|---|---|---|
| STANDARD | TAPERED | | B | L |
| DPC2 | DPC2-T | 6 Str. | 1 1/8 | 2 5/16 |
| DPC4 | DPC4-T | 4 Str. | 1 1/8 | 2 5/16 |
| DPC5 | DPC5-T | 3 Str. | 1 1/4 | 2 5/8 |
| DPC6 | DPC6-T | 2 Str. | 1 1/4 | 2 5/8 |
| DPC8 | DPC8-T | 1 Str. | 1 7/16 | 3 |
| DPC10 | DPC10-T | 1/0 Str. | 1 7/16 | 3 |
| DPC13 | DPC13-T | 2/0 Str. | 1 1/2 | 3 1/8 |
| DPC17 | DPC17-T | 3/0 Str. | 1 1/2 | 3 1/8 |
| DPC21 | DPC21-T | 4/0 Str. | 1 5/8 | 3 3/8 |
| DPC25 | DPC25-T | 250 MCM | 1 5/8 | 3 3/8 |
| DPC30 | DPC30-T | 300 MCM | 2 1/16 | 4 1/4 |
| DPC35 | DPC35-T | 350 MCM | 2 1/16 | 4 1/4 |
| DPC40 | DPC40-T | 400 MCM | 2 1/8 | 4 3/8 |
| DPC45 | DPC45-T | 450 MCM | 2 1/8 | 4 3/8 |
| DPC50 | DPC50-T | 500 MCM | 2 1/4 | 4 5/8 |
| DPC55 | DPC55-T | 550 MCM | 2 5/8 | 5 3/8 |
| DPC60 | DPC60-T | 600 MCM | 2 11/16 | 5 1/2 |
| DPC65 | DPC65-T | 650 MCM | 2 13/16 | 5 3/4 |
| DPC75 | DPC75-T | 750 MCM | 2 7/8 | 5 7/8 |
| DPC80 | DPC80-T | 800 MCM | 2 15/16 | 6 |
| DPC85 | DPC85-T | 850 MCM | 2 15/16 | 6 |
| DPC100 | DPC100-T | 1000 MCM | 3 | 6 1/8 |
| DPC125 | DPC125-T | 1250 MCM | 3 1/4 | 6 5/8 |
| DPC130 | DPC130-T | 1300 MCM | 3 1/4 | 6 5/8 |
| DPC150 | DPC150-T | 1500 MCM | 3 1/4 | 6 5/8 |
| DPC175 | DPC175-T | 1750 MCM | 3 1/2 | 7 1/8 |
| DPC200 | DPC200-T | 2000 MCM | 3 1/2 | 7 1/8 |

For information on installation tools refer to pages 246 and 247.



© 2011, AFL, all rights reserved. PP-3-00315, Revision 1, 3.28.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE DPC-SH1, DPC-SH2, DPC-SH-90

### Cable Terminal

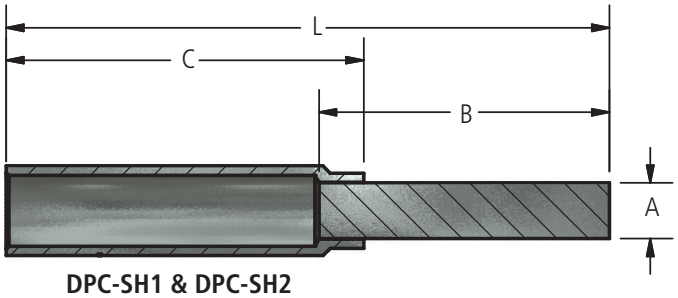


A compression seal plug for terminating a cable with a straight stud end. The cable receiving socket is provided with a shroud which makes a close fit over cable insulation. A weather seal for cable risers is provided by the shroud. Stud is specially bonded to cable socket element to form a single unit possessing high mechanical strength and high electrical conductivity. Made of pure copper and tin plated.

### Material

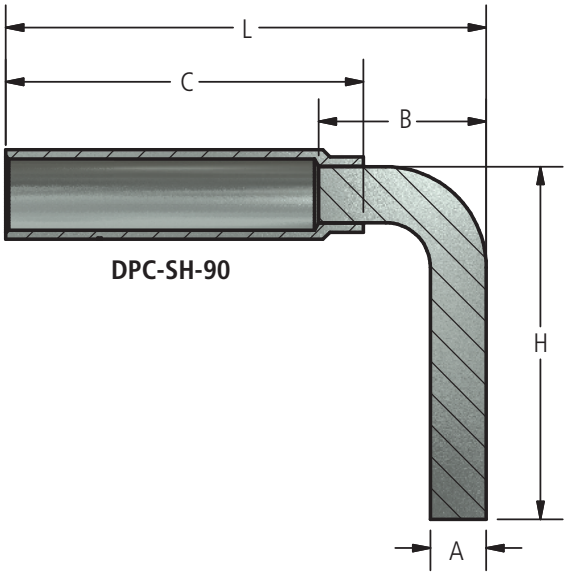
Copper Alloy Electro Tin Plated






**DPC-SH1 & DPC-SH2**






**DPC-SH-90**



© 2011, AFL, all rights reserved. PP-3-00314, Revision 2, 3.28.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE DPC-SH1, DPC-SH2, DPC-SH-90

**Cable Terminal**

### Ordering Information

| SH1 - SHORT TYPE | | | | | | | |
|---|---|---|---|---|---|---|---|
| CATALOG NUMBER | CABLE SIZE | DIMENSIONS IN INCHES | | | | | INDEX NO. |
| | | A | B | C | H | L | |
| DPC4-SH1 | #4 STR. | 0.187 | 1.50 | 1.44 | – | 2.688 | #8 |
| DPC6-SH1 | #2 STR. | 0.250 | 1.56 | 1.56 | – | 2.880 | #10 |
| DPC8-SH1 | #1 STR. | 0.250 | 1.63 | 1.81 | – | 3.188 | #11 |
| DPC10-SH1 | 1/0 STR. | 0.313 | 1.63 | 2.00 | – | 3.380 | #12 |
| DPC13-SH1 | 2/0 STR. | 0.313 | 1.63 | 1.94 | – | 3.310 | #13 |
| DPC17-SH1 | 3/0 STR. | 0.313 | 2.19 | 1.88 | – | 3.813 | #14 |
| DPC21-SH1 | 4/0 STR. | 0.375 | 2.19 | 2.06 | – | 4.000 | #15 |
| DPC25-SH1 | 250 MCM | 0.375 | 2.13 | 2.16 | – | 3.910 | #16 |
| DPC35-SH1 | 350 MCM | 0.438 | 2.13 | 2.59 | – | 4.340 | #18 |
| DPC50-SH1 | 500 MCM | 0.500 | 2.91 | 3.13 | – | 5.530 | #20 |
| DPC75-SH1 | 750 MCM | 0.500 | 4.38 | 3.88 | – | 7.875 | #24 |

| SH2 - LONG TYPE | | | | | | | |
|---|---|---|---|---|---|---|---|
| CATALOG NUMBER | CABLE SIZE | DIMENSIONS IN INCHES | | | | | INDEX NO. |
| | | A | B | C | H | L | |
| DPC4-SH2 | #4 STR. | 0.188 | 10.25 | 1.44 | – | 11.438 | #8 |
| DPC6-SH2 | #2 STR. | 0.250 | 10.25 | 1.56 | – | 11.560 | #10 |
| DPC8-SH2 | #1 STR. | 0.250 | 10.25 | 1.81 | – | 11.810 | #11 |
| DPC10-SH2 | 1/0 STR. | 0.313 | 10.25 | 2.00 | – | 12.000 | #12 |
| DPC13-SH2 | 2/0 STR. | 0.313 | 10.25 | 1.94 | – | 11.940 | #13 |
| DPC17-SH2 | 3/0 STR. | 0.313 | 10.25 | 1.88 | – | 11.880 | #14 |
| DPC21-SH2 | 4/0 STR. | 0.375 | 10.25 | 2.06 | – | 12.060 | #15 |
| DPC25-SH2 | 250 MCM | 0.375 | 10.38 | 2.16 | – | 12.160 | #16 |
| DPC35-SH2 | 350 MCM | 0.438 | 10.38 | 2.59 | – | 12.590 | #18 |
| DPC50-SH2 | 500 MCM | 0.500 | 10.50 | 3.13 | – | 13.130 | #20 |
| DPC75-SH2 | 750 MCM | 0.500 | 10.38 | 3.88 | – | 13.880 | #24 |

| SH-90 TYPE | | | | | | | |
|---|---|---|---|---|---|---|---|
| CATALOG NUMBER | CABLE SIZE | DIMENSIONS IN INCHES | | | | | INDEX NO. |
| | | A | B | C | H | L | |
| DPC4-SH-90 | #4 STR. | 0.188 | 0.75 | 1.44 | 1.75 | 1.940 | #8 |
| DPC6-SH-90 | #2 STR. | 0.250 | 0.88 | 1.56 | 1.88 | 2.190 | #10 |
| DPC8-SH-90 | #1 STR. | 0.250 | 0.88 | 1.81 | 1.88 | 2.438 | #11 |
| DPC10-SH-90 | 1/0 STR. | 0.313 | 0.94 | 2.00 | 1.97 | 2.690 | #12 |
| DPC13-SH-90 | 2/0 STR. | 0.313 | 1.00 | 1.94 | 1.97 | 2.690 | #13 |
| DPC17-SH-90 | 3/0 STR. | 0.313 | 1.00 | 1.88 | 1.97 | 2.630 | #14 |
| DPC21-SH-90 | 4/0 STR. | 0.375 | 1.00 | 2.06 | 2.13 | 2.810 | #15 |
| DPC25-SH-90 | 250 MCM | 0.375 | 1.13 | 2.16 | 2.63 | 3.030 | #16 |
| DPC35-SH-90 | 350 MCM | 0.438 | 1.25 | 2.59 | 2.75 | 3.590 | #18 |
| DPC50-SH-90 | 500 MCM | 0.500 | 1.38 | 3.13 | 3.25 | 4.250 | #20 |

For information on installation tools refer to pages 246 and 247.



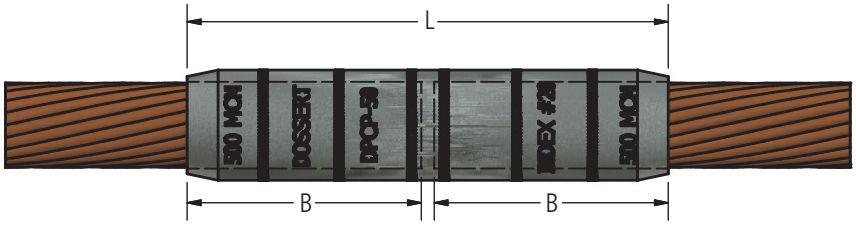
© 2011, AFL, all rights reserved. PP-3-00314, Revision 2, 3.28.2023
Specifications are subject to change without notice.

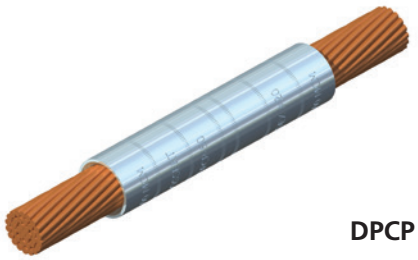
# DOSSERT®

## TYPE DPCP, DPCP-T

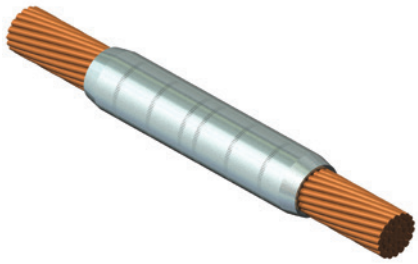
### Material

Tin plated copper alloy



DPCP



DPCP-T

## Ordering Information

| CATALOG NUMBER | | CABLE SIZE | DIMENSIONS IN INCHES | |
|---|---|---|---|---|
| DPCP | DPCP-T | | B | L |
| DPCP2 | DPCP2-T | 6 Str. | 1 1/8 | 2 3/8 |
| DPCP4 | DPCP4-T | 4 Str. | 1 1/8 | 2 3/8 |
| DPCP6 | DPCP6-T | 2 Str. | 1 1/4 | 2 5/8 |
| DPCP8 | DPCP8-T | 1 Str. | 1 3/8 | 2 7/8 |
| DPCP10 | DPCP10-T | 1/0 Str. | 1 3/8 | 2 7/8 |
| DPCP13 | DPCP13-T | 2/0 Str. | 1 1/2 | 3 1/8 |
| DPCP17 | DPCP17-T | 3/0 Str. | 1 1/2 | 3 1/8 |
| DPCP21 | DPCP21-T | 4/0 Str. | 1 5/8 | 3 3/8 |
| DPCP25 | DPCP25-T | 250 MCM | 1 5/8 | 3 3/8 |
| DPCP30 | DPCP30-T | 300 MCM | 2 | 4 1/8 |
| DPCP35 | DPCP35-T | 350 MCM | 2 | 4 1/8 |
| DPCP40 | DPCP40-T | 400 MCM | 2 1/8 | 4 3/8 |
| DPCP50 | DPCP50-T | 500 MCM | 2 1/4 | 4 5/8 |
| DPCP60 | DPCP60-T | 600 MCM | 2 11/16 | 5 1/2 |
| DPCP75 | DPCP75-T | 750 MCM | 2 7/8 | 5 7/8 |
| DPCP80 | DPCP80-T | 800 MCM | 2 15/16 | 6 |
| DPCP100 | DPCP100-T | 1000 MCM | 3 | 6 1/8 |
| DPCP125 | DPCP125-T | 1250 MCM | 3 3/16 | 6.5 |
| DPCP150 | DPCP150-T | 1500MCM | 3 3/16 | 6.5 |
| DPCP200 | DPCP200-T | 2000 MCM | 3 7/16 | 7 |

For information on installation tools refer to pages 246 and 247.

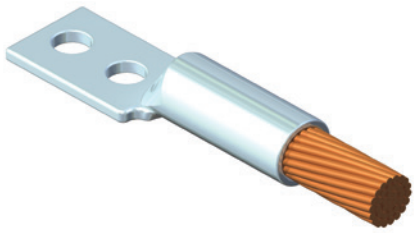


© 2011, AFL, all rights reserved. PP-3-00313, Revision 1, 3.28.2023
Specifications are subject to change without notice.

DOSSERT®

# TYPE DPL, DPLA-45, DPLA-90

**Copper Long Barrel Compression Terminal**
**DPLA-45 is at an angle of 45° and DPLA-90 is at an angle of 90°.**



A precision made compression terminal lug for a full range of conductor sizes with 1, 2 and 4 hole pads in the larger sizes. Conductor is secured by indenting the barrel with any standard compression tool made for electrical lugs.

## Material

Tin plated high conductivity copper alloy

## Notes

- Terminal pads can be drilled to custom hole sizes and spacing.
- For a 45° angle, add suffix "-45" to end of catalog number and an "A" in the catalog number. EX: DPLA2-1-45
- For a 90° angle, add suffix "-90" to end of catalog number and an "A" in the catalog number EX: DPLA2-1-90

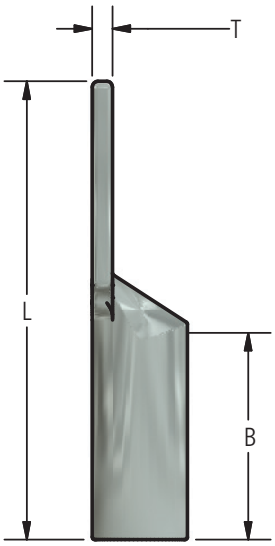



FIG. 1

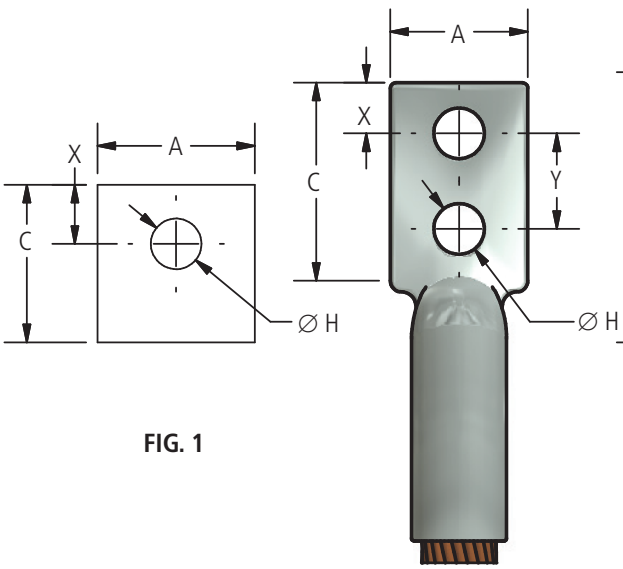



FIG. 2

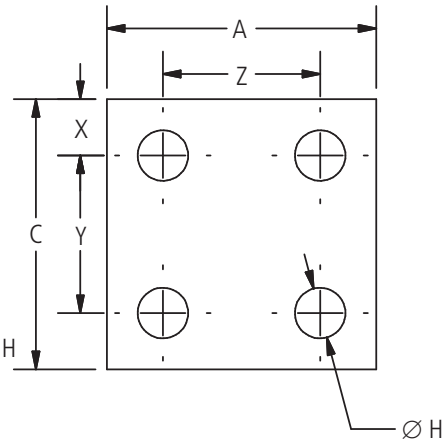



FIG. 3

*continued*



© 2011, AFL, all rights reserved. PP-3-00316, Revision 4, 5.9.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE DPL, DPLA-45, DPLA-90
### Copper Long Barrel Compression Terminal

## Ordering Information

| CATALOG NUMBER | CABLE SIZE | FIG. NO. | DIMENSIONS IN INCHES | | | | | | | | | DIE INDEX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | H | L | T | X | Y | Z | |
| DPL2-1 | #6 STR | 1 | 7/16 | 1 1/8 | 11/16 | 9/32 | 2 1/16 | 5/64 | 5/16 | - | - | 7 |
| DPL2-2 | #6 STR | 2 | 7/16 | 1 1/8 | 1 5/16 | 9/32 | 2 11/16 | 5/64 | 5/16 | 5/8 | - | 7 |
| DPL2-2N | #6 STR | 2 | 1 | 1 1/8 | 3 | 9/16 | 5 | 7/64 | 5/8 | 1 3/4 | - | 7 |
| DPL2-38 | #6 STR | 1 | 19/32 | 1 1/8 | 13/16 | 13/32 | 2 3/16 | 5/64 | 3/8 | - | - | 7 |
| DPL4-1 | #4 STR | 1 | 1/2 | 1 1/8 | 11/16 | 9/32 | 2 3/32 | 3/32 | 5/16 | - | - | 8 |
| DPL4-2 | #4 STR | 2 | 1/2 | 1 1/8 | 1 5/16 | 9/32 | 2 23/32 | 3/32 | 5/16 | 5/8 | - | 8 |
| DPL4-38 | #4 STR | 1 | 19/32 | 1 1/8 | 13/16 | 13/32 | 2 3/16 | 3/32 | 3/8 | - | - | 8 |
| DPL5-1 | #3 STR | 1 | 17/32 | 1 1/4 | 3/4 | 11/32 | 2 1/4 | 11/32 | 3/32 | - | - | 9 |
| DPL5-2 | #3 STR | 2 | 17/32 | 1 1/4 | 1 1/2 | 11/32 | 3 | 11/32 | 3/32 | 3/4 | - | 9 |
| DPL6-1 | #2 STR | 1 | 5/8 | 1 1/4 | 3/4 | 11/32 | 2 11/32 | 3/32 | 11/32 | - | - | 10 |
| DPL6-2 | #2 STR | 2 | 5/8 | 1 1/4 | 1 1/2 | 11/32 | 3 3/32 | 3/32 | 11/32 | 3/4 | - | 10 |
| DPL6-2N | #2 STR | 2 | 13/16 | 1 1/4 | 3 1/16 | 9/16 | 4 3/4 | 5/64 | 5/8 | 1 3/4 | - | 10 |
| DPL6-38 | #2 STR | 1 | 5/8 | 1 1/4 | 7/8 | 13/32 | 2 15/32 | 3/32 | 13/32 | - | - | 10 |
| DPL6-50 | #2 STR | 1 | 13/16 | 1 1/4 | 1 1/4 | 9/16 | 3 | 5/64 | 5/8 | - | - | 10 |
| DPL8-1 | #1 STR | 1 | 11/16 | 1 3/8 | 3/4 | 11/32 | 2 3/8 | 3/32 | 11/32 | - | - | 11 |
| DPL8-2 | #1 STR | 2 | 11/16 | 1 3/8 | 1 5/8 | 11/32 | 3 1/4 | 3/32 | 11/32 | 7/8 | - | 11 |
| DPL8-38 | #1 STR | 1 | 11/16 | 1 3/8 | 7/8 | 13/32 | 2 1/2 | 3/32 | 13/32 | - | - | 11 |
| DPL8-50 | #1 STR | 1 | 13/16 | 1 3/8 | 15/16 | 9/16 | 3 3/8 | 5/64 | 5/8 | - | - | 11 |
| DPL10-1 | 1/0 STR | 1 | 3/4 | 1 3/8 | 3/4 | 11/32 | 2 9/16 | 7/64 | 11/32 | - | - | 12 |
| DPL10-2 | 1/0 STR | 2 | 3/4 | 1 3/8 | 1 5/8 | 11/32 | 3 7/16 | 7/64 | 11/32 | 7/8 | - | 12 |
| DPL10-2N | 1/0 STR | 2 | 13/16 | 1 3/8 | 3 1/16 | 9/16 | 4 7/8 | 3/32 | 5/8 | 1 3/4 | | 12 |
| DPL10-38 | 1/0 STR | 1 | 3/4 | 1 3/8 | 13/16 | 13/32 | 2 5/8 | 7/64 | 3/8 | - | - | 12 |
| DPL10-50 | 1/0 STR | 1 | 13/16 | 1 3/8 | 1 1/4 | 9/16 | 2 7/8 | 3/32 | 5/8 | - | - | 12 |
| DPL13-1 | 2/0 STR | 1 | 13/16 | 1 1/2 | 13/16 | 7/16 | 2 3/4 | 1/8 | 3/8 | - | - | 13 |
| DPL13-2 | 2/0 STR | 2 | 13/16 | 1 1/2 | 1 5/8 | 11/32 | 3 9/16 | 1/8 | 11/32 | 7/8 | | 13 |
| DPL13-2N | 2/0 STR | 2 | 13/16 | 1 1/2 | 3 1/16 | 9/16 | 5 | 1/8 | 5/8 | 1 3/4 | | 13 |
| DPL13-50 | 2/0 STR | 1 | 13/16 | 1 1/2 | 1 1/4 | 9/16 | 3 1/4 | 1/8 | 5/8 | - | - | 13 |
| DPL17-1 | 3/0 Str. | 1 | 29/32 | 1 1/2 | 1 1/4 | 9/16 | 3 /32 | 9/64 | 5/8 | - | - | 14 |
| DPL17-2 | 3/0 Str | 2 | 29/32 | 1 1/2 | 1 13/16 | 7/16 | 3 25/32 | 9/64 | 3/8 | 1 | - | 14 |
| DPL17-2N | 3/0 Str | 2 | 29/32 | 1 1/2 | 3 1/16 | 9/16 | 5 1/32 | 9/64 | 5/8 | 1 3/4 | - | 14 |
| DPL21-1 | 4/0 Str. | 1 | 1 | 1 5/8 | 1 9/16 | 9/16 | 3 11/32 | 9/64 | 5/8 | | - | 15 |
| DPL21-2 | 4/0 Str. | 2 | 1 | 1 5/8 | 1 13/16 | 7/16 | 4 1/32 | 9/64 | 3/8 | 1 | - | 15 |
| DPL21-2N | 4/0 Str. | 2 | 1 | 1 5/8 | 3 1/16 | 9/16 | 5 9/32 | 9/64 | 5/8 | 1 3/4 | - | 15 |
| DPL21-38 | 4/0 Str. | 1 | 1 | 1 5/8 | 1 | 7/16 | 3 3/32 | 9/64 | 7/16 | - | - | 15 |
| DPL21-62 | 4/0 Str. | 1 | 1 | 1 5/8 | 1 1/4 | 21/32 | 3 7/8 | 9/64 | 5/8 | - | - | 15 |
| DPL25-1 | 250 MCM | 1 | 1 3/32 | 1 5/8 | 1 1/4 | 9/16 | 3 11/32 | 5/32 | 5/8 | - | - | 16 |
| DPL25-2 | 250 MCM | 2 | 1 3/32 | 1 5/8 | 1 13/16 | 7/16 | 4 1/32 | 5/32 | 3/8 | 1 1/16 | - | 16 |
| DPL25-2N | 250 MCM | 2 | 1 3/32 | 1 5/8 | 3 1/16 | 9/16 | 5 9/32 | 5/32 | 5/8 | 1 3/4 | - | 16 |
| DPL25-38 | 250 MCM | 1 | 1 3/32 | 1 5/8 | 1 | 7/16 | 3 3/32 | 5/32 | 7/16 | - | - | 16 |
| DPL30-1 | 300 MCM | 1 | 1 3/16 | 2 | 1 1/4 | 9/16 | 3 3/4 | 5/32 | 5/8 | - | - | 17 |
| DPL30-2 | 300 MCM | 2 | 1 3/16 | 2 | 1 7/8 | 7/16 | 4 1/4 | 5/32 | 3/8 | 1 1/16 | - | 17 |
| DPL30-2N | 300 MCM | 2 | 1 3/16 | 2 | 3 1/16 | 9/16 | 5 11/16 | 5/32 | 5/8 | 1 3/4 | - | 17 |
| DPL30-31 | 300 MCM | 1 | 1 3/16 | 2 | 3/4 | 11/32 | 3 3/8 | 5/32 | 11/32 | - | - | 17 |
| DPL30-38 | 300 MCM | 1 | 1 3/16 | 2 | 13/16 | 7/16 | 3 7/16 | 5/32 | 3/8 | - | - | 17 |

*continued*



© 2011, AFL, all rights reserved. PP-3-00316, Revision 4, 5.9.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE DPL, DPLA-45, DPLA-90
### Copper Long Barrel Compression Terminal

## Ordering Information

| CATALOG NUMBER | CABLE SIZE | FIG. NO. | DIMENSIONS IN INCHES | | | | | | | | | DIE INDEX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | H | L | T | X | Y | Z | |
| DPL35-1 | 350 MCM | 1 | 1 9/32 | 2 | 1 1/4 | 9/16 | 3 13/16 | 11/64 | 5/8 | - | - | 18 |
| DPL35-2 | 350 MCM | 2 | 1 9/32 | 2 | 1 7/8 | 7/16 | 4 9/16 | 11/64 | 3/8 | 1 1/16 | - | 18 |
| DPL35-2N | 350 MCM | 2 | 1 9/32 | 2 | 3 3/16 | 9/16 | 5 3/4 | 11/64 | 5/8 | 1 3/4 | - | 18 |
| DPL35-38 | 350 MCM | 1 | 1 9/32 | 2 | 13/16 | 7/16 | 3 3/8 | 11/64 | 3/8 | - | - | 18 |
| DPL40-1 | 400 MCM | 1 | 1 3/8 | 2 1/8 | 1 3/8 | 11/16 | 4 1/8 | 3/16 | 21/32 | - | - | 19 |
| DPL40-2 | 400 MCM | 2 | 1 3/8 | 2 1/8 | 2 | 7/16 | 4 3/4 | 3/16 | 7/16 | 1 1/16 | - | 19 |
| DPL40-2N | 400 MCM | 2 | 1 3/8 | 2 1/8 | 3 1/16 | 9/16 | 5 13/16 | 3/16 | 5/8 | 1 3/4 | - | 19 |
| DPL40-38 | 400 MCM | 1 | 1 3/8 | 2 1/8 | 15/16 | 7/16 | 3 11/16 | 3/16 | 7/16 | - | - | 19 |
| DPL40-50 | 400 MCM | 1 | 1 3/8 | 2 1/8 | 1 1/4 | 9/16 | 3 7/8 | 3/16 | 5/8 | - | - | 19 |
| DPL40-87 | 400 MCM | 1 | 1 3/8 | 2 1/8 | 1 7/8 | 29/32 | 4 5/8 | 3/16 | 7/8 | - | - | 19 |
| DPL50-1 | 500 MCM | 1 | 1 17/32 | 2 1/4 | 1 3/8 | 11/16 | 4 15/32 | 7/32 | 21/32 | - | - | 20 |
| DPL50-2 | 500 MCM | 2 | 1 17/32 | 2 1/4 | 2 | 7/16 | 5 3/32 | 7/32 | 7/16 | 1 1/16 | - | 20 |
| DPL50-2N | 500 MCM | 2 | 1 17/32 | 2 1/4 | 3 1/16 | 9/16 | 6 5/32 | 7/32 | 5/8 | 1 3/4 | - | 20 |
| DPL50-50 | 500 MCM | 1 | 1 17/32 | 2 1/4 | 1 1/4 | 9/16 | 4 7/32 | 7/32 | 5/8 | - | - | 20 |
| DPL50-87 | 500 MCM | 1 | 1 17/32 | 2 1/4 | 1 7/8 | 29/32 | 4 31/32 | 7/32 | 7/8 | - | - | 20 |
| DPL60-1 | 600 MCM | 1 | 1 23/32 | 2 11/16 | 1 13/16 | 11/16 | 5 19/32 | 17/64 | 7/8 | - | - | 22 |
| DPL60-2 | 600 MCM | 2 | 1 23/32 | 2 11/16 | 2 1/16 | 7/16 | 5 27/32 | 17/64 | 7/16 | 1 1/8 | - | 22 |
| DPL60-2N | 600 MCM | 2 | 1 23/32 | 2 11/16 | 3 1/16 | 9/16 | 6 29/32 | 17/64 | 5/8 | 1 3/4 | - | 22 |
| DPL60-50 | 600 MCM | 1 | 1 23/32 | 2 11/16 | 1 1/4 | 9/16 | 5 1/32 | 17/64 | 5/8 | - | - | 22 |
| DPL70-1 | 700 MCM | 1 | 1 27/32 | 1 5/8 | 1 7/8 | 11/16 | 4 | 17/64 | 7/8 | - | - | |
| DPL70-2N | 700 MCM | 2 | 1 27/32 | 2 7/8 | 3 1/8 | 9/16 | 7 | 17/64 | 5/8 | 1 3/4 | - | |
| DPL75-1 | 750 MCM | 1 | 1 7/8 | 2 7/8 | 1 7/8 | 11/16 | 5 23/32 | 17/64 | 7/8 | - | - | 24 |
| DPL75-2 | 750 MCM | 2 | 1 7/8 | 2 7/8 | 2 1/4 | 7/16 | 6 3/32 | 17/64 | 1/2 | 1 1/8 | - | 24 |
| DPL75-2N | 750 MCM | 2 | 1 7/8 | 2 7/8 | 3 1/8 | 9/16 | 6 31/32 | 17/64 | 5/8 | 1 3/4 | - | 24 |
| DPL75-50 | 750 MCM | 1 | 1 7/8 | 2 7/8 | 1 1/4 | 9/16 | 5 15/32 | 17/64 | 5/8 | - | - | 24 |
| DPL75-87 | 750 MCM | 1 | 1 7/8 | 2 7/8 | 1 7/8 | 29/32 | 5 23/32 | 17/64 | 7/8 | - | - | 24 |
| DPL80-1 | 800 MCM | 1 | 1 15/16 | 2 15/16 | 2 | 11/16 | 5 13/16 | 9/32 | 15/16 | - | - | 25 |
| DPL80-2 | 300 MCM | 2 | 1 15/16 | 2 15/16 | 2 1/4 | 7/16 | 6 3/16 | 9/32 | 1/2 | 1 1/8 | - | 25 |
| DPL80-2N | 800 MCM | 2 | 1 15/16 | 2 15/16 | 3 1/8 | 9/16 | 7 1/16 | 9/32 | 5/8 | 1 3/4 | - | 25 |
| DPL100-1 | 1000 MCM | 1 | 2 5/32 | 3 | 2 | 11/16 | 6 3/8 | 21/64 | 15/16 | - | - | 27 |
| DPL100-2 | 1000 MCM | 2 | 2 5/32 | 3 | 2 1/2 | 9/16 | 6 5/8 | 21/64 | 9/16 | 1 1/4 | - | 27 |
| DPL100-2N | 1000 MCM | 2 | 2 5/32 | 3 | 3 1/8 | 9/16 | 7 1/4 | 21/64 | 5/8 | 1 3/4 | - | 27 |
| DPL100-4 | 1000 MCM | 3 | 2 5/32 | 3 | 2 1/4 | 7/16 | 6 3/8 | 21/64 | 1/2 | 1 1/8 | 1 1/8 | 27 |
| DPL125-1 | 1250 MCM | 1 | 2 7/16 | 3 3/16 | 2 1/4 | 11/16 | 6 5/8 | 11/32 | 1 1/16 | - | - | 29 |
| DPL125-2N | 1250 MCM | 2 | 2 7/16 | 3 3/16 | 3 1/8 | 9/16 | 7 9/16 | 11/32 | 5/8 | 1 3/4 | - | 29 |
| DPL150-1 | 1500 MCM | 1 | 2 11/16 | 3 3/16 | 2 3/8 | 13/16 | 7 1/4 | 25/64 | 1 1/8 | - | - | 31 |
| DPL150-2 | 1500 MCM | 2 | 2 11/16 | 3 3/16 | 2 5/8 | 9/16 | 7 1/2 | 25/64 | 9/16 | 1 3/8 | - | 31 |
| DPL150-2N | 1500 MCM | 2 | 2 11/16 | 3 3/16 | 3 1/8 | 9/16 | 7 13/16 | 25/64 | 5/8 | 1 3/4 | - | 31 |
| DPL150-4 | 1500 MCM | 3 | 2 11/16 | 3 3/16 | 2 5/8 | 9/16 | 7 1/2 | 25/64 | 9/16 | 1 3/8 | 1 3/8 | 31 |
| DPL150-4N | 1500 MCM | 3 | 2 11/16 | 3 3/16 | 3 1/8 | 9/16 | 7 13/16 | 25/64 | 5/8 | 1 3/4 | 1 3/4 | 31 |
| DPL200-1 | 2000 MCM | 1 | 3 5/64 | 3 7/16 | 2 1/2 | 13/16 | 7 3/8 | 15/32 | 1 3/16 | - | - | 34 |
| DPL200-2 | 2000 MCM | 2 | 3 5/64 | 3 7/16 | 2 3/4 | 9/16 | 7 5/8 | 15/32 | 9/16 | 1 1/2 | - | 34 |
| DPL200-2N | 2000 MCM | 2 | 3 5/64 | 3 7/16 | 3 1/8 | 9/16 | 8 | 15/32 | 5/8 | 1 3/4 | - | 34 |
| DPL200-4 | 2000 MCM | 3 | 3 5/64 | 3 7/16 | 2 3/4 | 9/16 | 7 5/8 | 15/32 | 9/16 | 1 1/2 | 1 1/2 | 34 |
| DPL200-4N | 2000 MCM | 3 | 3 5/64 | 3 7/16 | 3 1/8 | 9/16 | 8 | 15/32 | 5/8 | 1 3/4 | 1 3/4 | 34 |

For information on installation tools, refer to pages 246 and 247 of AFL's Substation catalog.

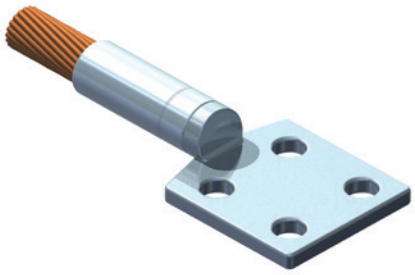


© 2011, AFL, all rights reserved. PP-3-00316, Revision 4, 5.9.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE DPLE-N

### Copper Heavy Duty Terminal For Cable



A compression terminal lug designed to provide the necessary pad width for NEMA two-hole and four-hole standard drilling. The barrel element is made of high conductivity copper specially bonded to the cast copper alloy body. Competely tin plated for maximum resistance to corrosion. All sizes are designed to indentations in cable socket.

### Material

Tin-plated Copper Alloy

### Notes

- Add suffix (F) to catalog number for pad to be machined on both sides. Ex:DPLE150-4NF
- For an angled pad, add the desired angle to the catalog number: Ex: DPLE100-2N-15

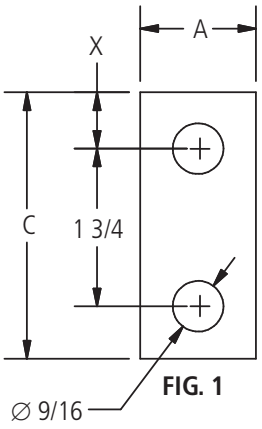



FIG. 1

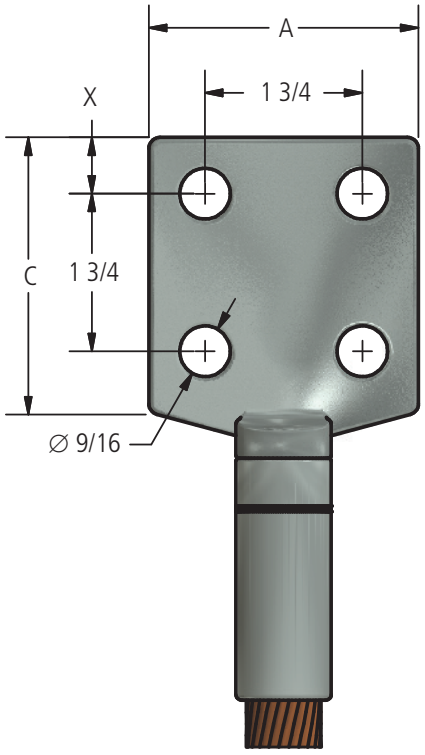
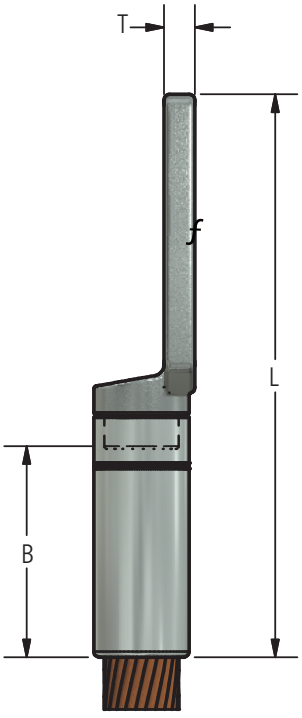



FIG. 2






© 2011, AFL, all rights reserved. PP-3-00318, Revision 4, 3.27.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE DPLE-N

**Copper Heavy Duty Terminal For Cable**

## Ordering Information

| CATALOG NUMBER | CABLE SIZE | FIG. NO. | DIMENSIONS IN INCHES | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | L | T | X |
| DPLE2-2N | 6 Str | 1 | 1 | 1 1/4 | 3 | 4 5/8 | 3/16 | 5/8 |
| DPLE4-2N | 4 Str | 1 | 1 | 1 1/4 | 3 | 4 5/8 | 3/16 | 5/8 |
| DPLE6-2N | 2 Str | 1 | 1 1/8 | 1 3/8 | 3 | 4 3/4 | 7/32 | 5/8 |
| DPLE8-2N | 1 Str | 1 | 1 1/8 | 1 1/2 | 3 | 5 | 7/32 | 5/8 |
| DPLE10-2N | 1/0 Str | 1 | 1 1/4 | 1 1/2 | 3 | 5 | 1/4 | 5/8 |
| DPLE13-2N | 2/0 Str | 1 | 1 1/4 | 2 1/8 | 3 | 5 3/4 | 1/4 | 5/8 |
| DPLE17-2N | 3/0 Str | 1 | 1 1/4 | 2 1/8 | 3 | 5 3/4 | 1/4 | 5/8 |
| DPLE17-4N | 3/0 Str | 2 | 3 | 2 1/8 | 3 | 5 3/4 | 1/4 | 5/8 |
| DPLE21-2N | 4/0 Str | 1 | 1 1/4 | 2 1/8 | 3 | 5 3/4 | 7/32 | 5/8 |
| DPLE21-4N | 4/0 Str | 2 | 3 | 2 1/8 | 3 | 5 25/32 | 1/4 | 5/8 |
| DPLE21-4N4 | 4/0 Str | 2 | 4 | 2 3/32 | 4 | 6 25/32 | 11/32 | 1 1/8 |
| DPLE25-2N | 250 MCM | 1 | 1 1/4 | 2 1/8 | 3 | 5 11/16 | 5/16 | 5/8 |
| DPLE25-4N | 250 MCM | 2 | 3 | 2 1/8 | 3 | 5 11/16 | 5/16 | 5/8 |
| DPLE30-2N | 300 MCM | 1 | 1 3/8 | 2 1/8 | 3 | 6 1/16 | 5/16 | 5/8 |
| DPLE30-4N | 300 MCM | 2 | 3 | 2 1/8 | 3 | 6 1/16 | 5/16 | 5/8 |
| DPLE35-2N | 350 MCM | 1 | 1 3/8 | 2 1/4 | 3 | 6 3/16 | 5/16 | 5/8 |
| DPLE35-4N | 350 MCM | 2 | 3 | 2 1/4 | 3 | 6 3/16 | 5/16 | 5/8 |
| DPLE40-2N | 400 MCM | 1 | 1 1/2 | 2 1/4 | 3 | 6 1/4 | 5/16 | 5/8 |
| DPLE40-4N | 400 MCM | 2 | 3 | 2 1/4 | 3 | 6 1/4 | 5/16 | 5/8 |
| DPLE50-2N | 500 MCM | 1 | 1 1/2 | 2 1/4 | 3 | 6 1/4 | 11/32 | 5/8 |
| DPLE50-4N | 500 MCM | 2 | 3 | 2 5/16 | 3 | 6 1/4 | 1/4 | 5/8 |
| DPLE50-4N4 | 500 MCM | 2 | 4 | 2 5/16 | 4 | 7 3/8 | 11/32 | 1 1/8 |
| DPLE60-2N | 600 MCM | 1 | 1 3/4 | 2 3/4 | 3 | 6 3/4 | 3/8 | 5/8 |
| DPLE60-4N | 600 MCM | 2 | 3 | 2 3/4 | 3 | 6 3/4 | 3/8 | 5/8 |
| DPLE65-2N | 650 MCM | 1 | 1 3/4 | 2 7/8 | 3 | 6 7/8 | 3/8 | 5/8 |
| DPLE75-2N | 750 MCM | 1 | 1 3/4 | 3 | 3 | 7 | 3/8 | 5/8 |
| DPLE75-4N | 750 MCM | 2 | 3 | 3 | 3 | 6 15/16 | 3/8 | 5/8 |
| DPLE75-4N4 | 750 MCM | 2 | 4 | 3 | 4 | 8 | 3/8 | 1 1/8 |
| DPLE80-2N | 800 MCM | 1 | 1 3/4 | 3 | 3 | 7 1/8 | 3/8 | 5/8 |
| DPLE80-4N | 800 MCM | 2 | 3 | 3 | 3 | 7 1/8 | 1/2 | 5/8 |
| DPLE100-2N | 1000 MCM | 1 | 2 | 3 | 3 | 7 1/8 | 7/16 | 5/8 |
| DPLE100-4N | 1000 MCM | 2 | 3 | 3 | 3 | 7 1/8 | 7/16 | 5/8 |
| DPLE100-4N4 | 1000 MCM | 2 | 4 | 3 3/8 | 4 | 8 | 3/8 | 1 1/8 |
| DPLE125-2N | 1250 MCM | 1 | 2 | 3 1/4 | 3 | 7 5/8 | 1/2 | 5/8 |
| DPLE125-4N | 1250 MCM | 2 | 3 | 3 1/4 | 3 | 7 5/8 | 1/2 | 5/8 |
| DPLE150-2N | 1500 MCM | 1 | 2 5/8 | 3 1/4 | 3 | 7 3/4 | 9/16 | 5/8 |
| DPLE150-4N | 1500 MCM | 2 | 3 | 3 1/4 | 3 | 7 3/4 | 9/16 | 5/8 |
| DPLE150-4N4 | 1500 MCM | 2 | 4 | 3 1/4 | 4 | 8 3/4 | 9/16 | 1 1/8 |
| DPLE175-4N | 1750 MCM | 2 | 3 | 3 3/8 | 3 | 8 | 9/16 | 5/8 |
| DPLE175-4N4 | 1750 MCM | 2 | 4 | 3 3/8 | 4 | 9 | 9/16 | 1 1/8 |
| DPLE200-2N | 2000 MCM | 1 | 2 3/4 | 3 3/8 | 3 | 7 3/4 | 5/8 | 5/8 |
| DPLE200-4N | 2000 MCM | 2 | 3 | 3 3/8 | 3 | 7 3/4 | 5/8 | 5/8 |
| DPLE200-4N4 | 2000 MCM | 2 | 4 | 3 3/8 | 4 | 8 3/4 | 5/8 | 1 1/8 |

For information on installation tools refer to pages 246 and 247.

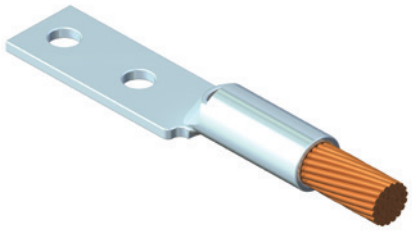


© 2011, AFL, all rights reserved. PP-3-00318, Revision 4, 3.27.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE DPLS

### Copper Short Barrel Terminal



For connecting cable to flat contact. A short barrel compression terminal lug for a complete range of cable sizes from 6 str. to 2000 MCM. The short barrel feature enables terminal to be installed where space is at a minimum. An inspection aperture insures full insertion of cable. A generous entrance chamfer facilitates cable insertion. NEMA standard drilling and stud or screw spacing are identified by the letter "N" suffixed to catalog number.

### Material

Tin plated copper alloy

### Note

Terminal pads can be drilled to custom hole sizes and spacing. Angled pads also available, please contact the factory.

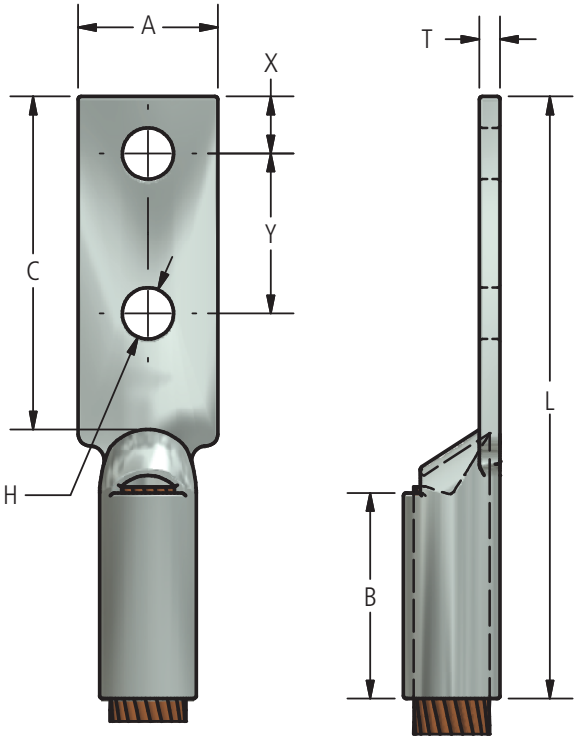



FIG. 1

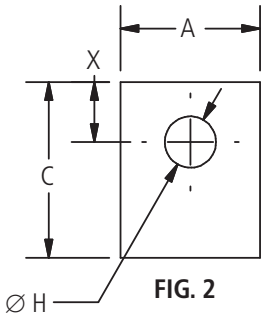



FIG. 2

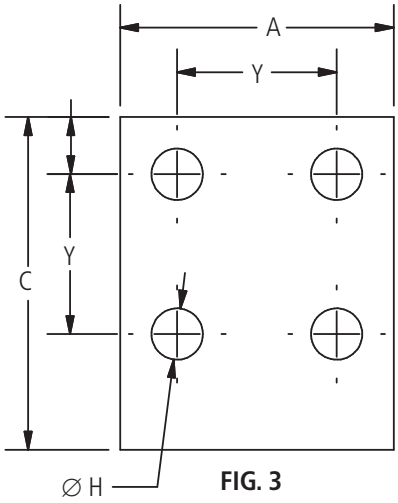



FIG. 3



© 2011, AFL, all rights reserved. PP-3-00319, Revision 2, 3.28.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE DPLS
### Copper Short Barrel Terminal

## Ordering Information

| CATALOG NUMBER | CABLE SIZE | FIG. NO. | DIMENSIONS IN INCHES | | | | | | | | DIE INDEX |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | H | L | T | X | Y | |
| DPLS2-18 | 6 Str. | 2 | 7/16 | 13/16 | 1/2 | 7/32 | 1 13/32 | 5/64 | 7/32 | - | 7 |
| DPLS2-1 | 6 Str. | 2 | 7/16 | 13/16 | 11/16 | 9/32 | 1 19/32 | 5/64 | 5/16 | - | 7 |
| DPLS2-31 | 6 Str. | 2 | 19/32 | 13/16 | 3/4 | 11/32 | 1 21/32 | 3/64 | 11/32 | - | 7 |
| DPLS2-38 | 6 Str. | 2 | 19/32 | 13/16 | 13/16 | 13/32 | 1 23/32 | 3/64 | 3/8 | - | 7 |
| DPLS2-2 | 6 Str. | 1 | 7/16 | 13/16 | 1 5/16 | 9/32 | 2 7/32 | 5/64 | 5/16 | 5/8 | 7 |
| DPLS4-18 | 4 Str. | 2 | 1/2 | 13/16 | 1/2 | 7/32 | 1 1/2 | 3/32 | 7/32 | - | 8 |
| DPLS4-1 | 4 Str. | 2 | 1/2 | 13/16 | 11/16 | 9/32 | 1 11/16 | 3/32 | 5/16 | - | 8 |
| DPLS4-31 | 4 Str. | 2 | 19/32 | 13/16 | 3/4 | 11/32 | 1 3/4 | 1/16 | 11/32 | - | 8 |
| DPLS4-38 | 4 Str. | 2 | 19/32 | 13/16 | 13/16 | 13/32 | 1 13/16 | 1/16 | 3/8 | - | 8 |
| DPLS4-2 | 4 Str. | 1 | 1/2 | 13/16 | 1 5/16 | 9/32 | 2 5/16 | 3/32 | 5/16 | 5/8 | 8 |
| DPLS6-25 | 2 Str. | 2 | 5/8 | 7/8 | 11/16 | 9/32 | 1 25/32 | 3/32 | 5/16 | - | 10 |
| DPLS6-1 | 2 Str. | 2 | 5/8 | 7/8 | 3/4 | 11/32 | 1 27/32 | 3/32 | 11/32 | - | 10 |
| DPLS6-38 | 2 Str. | 2 | 5/8 | 7/8 | 13/16 | 13/32 | 1 29/32 | 3/32 | 3/8 | - | 10 |
| DPLS6-2 | 2 Str. | 1 | 5/8 | 7/8 | 1 1/2 | 11/32 | 2 19/32 | 3/32 | 11/32 | 3/4 | 10 |
| DPLS6-2N | 2 Str. | 1 | 13/16 | 7/8 | 3 1/16 | 9/16 | 4 3/8 | 5/64 | 5/8 | 1 3/4 | 10 |
| DPLS8-25 | 1 Str. | 2 | 11/16 | 7/8 | 3/4 | 9/32 | 1 29/32 | 3/32 | 11/32 | - | 11 |
| DPLS8-1 | 1 Str. | 2 | 11/16 | 7/8 | 3/4 | 11/32 | 1 29/32 | 3/32 | 11/32 | - | 11 |
| DPLS8-38 | 1 Str. | 2 | 11/16 | 7/8 | 13/16 | 13/32 | 1 31/32 | 3/32 | 3/8 | - | 11 |
| DPLS8-2 | 1 Str. | 1 | 11/16 | 7/8 | 1 5/8 | 11/32 | 2 25/32 | 3/32 | 11/32 | 7/8 | 11 |
| DPLS10-25 | 1/0 Str. | 2 | 3/4 | 7/8 | 11/16 | 9/32 | 1 13/16 | 7/64 | 5/16 | - | 12 |
| DPLS10-1 | 1/0 Str. | 2 | 3/4 | 7/8 | 3/4 | 11/32 | 1 7/8 | 7/64 | 11/32 | - | 12 |
| DPLS10-38 | 1/0 Str. | 2 | 3/4 | 7/8 | 13/16 | 13/32 | 1 15/16 | 7/64 | 3/8 | - | 12 |
| DPLS10-50 | 1/0 Str. | 2 | 3/4 | 7/8 | 1 1/16 | 17/32 | 2 3/16 | 3/32 | 1/2 | - | 12 |
| DPLS10-2 | 1/0 Str. | 1 | 13/16 | 7/8 | 1 5/8 | 11/32 | 2 3/4 | 7/64 | 11/32 | 7/8 | 12 |
| DPLS10-2N | 1/0 Str. | 1 | 13/16 | 7/8 | 3 1/16 | 9/16 | 4 3/16 | 3/32 | 5/8 | 1 3/4 | 12 |
| DPLS10-2-31 | 1/0 Str. | 1 | 13/16 | 7/8 | 1 15/16 | 11/32 | 2 15/16 | 3/32 | 3/8 | 1 | 12 |
| DPLS13-25 | 2/0 Str. | 2 | 13/16 | 15/16 | 11/16 | 9/32 | 1 31/32 | 1/8 | 5/16 | - | 13 |
| DPLS13-31 | 2/0 Str. | 2 | 13/16 | 15/16 | 3/4 | 11/32 | 2 1/32 | 1/8 | 11/32 | - | 13 |
| DPLS13-1 | 2/0 Str. | 2 | 13/16 | 15/16 | 13/16 | 13/32 | 2 3/32 | 1/8 | 3/8 | - | 13 |
| DPLS13-50 | 2/0 Str. | 2 | 13/16 | 15/16 | 1 1/16 | 17/32 | 2 11/32 | 1/8 | 1/2 | - | 13 |
| DPLS13-2 | 2/0 Str. | 1 | 13/16 | 15/16 | 1 5/8 | 11/32 | 2 29/32 | 1/8 | 11/32 | 7/8 | 13 |
| DPLS13-2N | 2/0 Str. | 1 | 13/16 | 15/16 | 3 1/16 | 9/16 | 4 11/32 | 1/8 | 5/8 | 1 3/4 | 13 |
| DPLS17-25 | 3/0 Str. | 2 | 29/32 | 1 | 11/16 | 9/32 | 2 | 9/64 | 5/16 | - | 14 |
| DPLS17-31 | 3/0 Str. | 2 | 29/32 | 1 | 3/4 | 11/32 | 2 1/16 | 9/64 | 11/32 | - | 14 |
| DPLS17-38 | 3/0 Str. | 2 | 29/32 | 1 | 13/16 | 13/32 | 2 1/8 | 9/64 | 3/8 | - | 14 |
| DPLS17-1 | 3/0 Str. | 2 | 29/32 | 1 | 1 1/16 | 17/32 | 2 3/8 | 9/64 | 1/2 | - | 14 |
| DPLS17-2N | 3/0 Str. | 1 | 29/32 | 1 | 3 1/16 | 9/16 | 4 3/8 | 9/64 | 5/8 | 1 3/4 | 14 |
| DPLS17-2 | 3/0 Str. | 1 | 29/32 | 1 | 1 13/16 | 13/32 | 3 9/32 | 9/64 | 3/8 | 1 | 14 |
| DPLS21-25 | 4/0 Str. | 2 | 1 | 1 | 11/16 | 9/32 | 2 1/32 | 9/64 | 5/16 | - | 15 |
| DPLS21-31 | 4/0 Str. | 2 | 1 | 1 | 3/4 | 11/32 | 2 3/32 | 9/64 | 11/32 | - | 15 |
| DPLS21-38 | 4/0 Str. | 2 | 1 | 1 | 13/16 | 13/32 | 2 5/32 | 9/64 | 3/8 | - | 15 |
| DPLS21-1 | 4/0 Str. | 2 | 1 | 1 | 1 1/16 | 17/32 | 2 13/32 | 9/64 | 1/2 | - | 15 |
| DPLS21-2 | 4/0 Str. | 1 | 1 | 1 | 1 13/16 | 7/16 | 3 3/32 | 9/64 | 3/8 | 1 | 15 |
| DPLS21-2N | 4/0 Str. | 1 | 1 | 1 | 3 1/16 | 9/16 | 4 13/32 | 9/64 | 5/8 | 1 3/4 | 15 |
| DPLS21-2-31 | 4/0 Str. | 1 | 1 | 1 | 2 1/8 | 11/32 | 3 3/8 | 9/64 | 9/16 | 1 | 15 |
| DPLS25-25 | 250 MCM | 2 | 1 3/32 | 1 1/16 | 11/16 | 9/32 | 2 1/8 | 5/32 | 5/16 | - | 16 |
| DPLS25-31 | 250 MCM | 2 | 1 3/32 | 1 1/16 | 3/4 | 11/32 | 2 3/16 | 5/32 | 11/32 | - | 16 |
| DPLS25-38 | 250 MCM | 2 | 1 3/32 | 1 1/16 | 13/16 | 13/32 | 2 1/4 | 5/32 | 3/8 | - | 16 |
| DPLS25-1 | 250 MCM | 2 | 1 3/32 | 1 1/16 | 1 1/16 | 17/32 | 2 1/2 | 5/32 | 1/2 | - | 16 |
| DPLS25-2 | 250 MCM | 1 | 1 3/32 | 1 1/16 | 1 7/8 | 7/16 | 3 5/16 | 5/32 | 3/8 | 1 1/16 | 16 |
| DPLS25-2N | 250 MCM | 1 | 1 3/32 | 1 1/16 | 3 1/16 | 9/16 | 4 1/2 | 5/32 | 5/8 | 1 3/4 | 16 |
| DPLS30-31 | 300 MCM | 2 | 1 3/16 | 1 1/16 | 3/4 | 3/8 | 2 7/32 | 5/32 | 11/32 | - | 17 |
| DPLS30-38 | 300 MCM | 2 | 1 3/16 | 1 1/16 | 13/16 | 7/16 | 2 9/32 | 5/32 | 3/8 | - | 17 |
| DPLS30-1 | 300 MCM | 2 | 1 3/16 | 1 1/16 | 1 1/8 | 9/16 | 2 19/32 | 5/32 | 17/32 | - | 17 |
| DPLS30-62 | 300 MCM | 2 | 1 3/16 | 1 1/16 | 2 | 11/16 | 3 15/32 | 5/32 | 15/16 | - | 17 |
| DPLS30-2 | 300 MCM | 1 | 1 3/16 | 1 1/16 | 1 7/8 | 7/16 | 3 11/32 | 5/32 | 3/8 | 1 1/16 | 17 |
| DPLS30-2N | 300 MCM | 1 | 1 3/16 | 1 1/16 | 3 1/16 | 9/16 | 4 17/32 | 5/32 | 5/8 | 1 3/4 | 17 |
| DPLS35-1 | 350 MCM | 2 | 1 9/32 | 1 1/8 | 1 1/8 | 9/16 | 2 11/16 | 11/64 | 17/32 | - | 18 |
| DPLS35-62 | 350 MCM | 2 | 1 9/32 | 1 1/8 | 2 | 11/16 | 3 9/16 | 11/64 | 15/16 | - | 18 |
| DPLS35-2 | 350 MCM | 1 | 1 9/32 | 1 1/8 | 1 7/8 | 7/16 | 3 7/16 | 11/64 | 3/8 | 1 1/16 | 18 |
| DPLS35-2N | 350 MCM | 1 | 1 9/32 | 1 1/8 | 3 1/16 | 9/16 | 4 5/8 | 11/64 | 5/8 | 1 3/4 | 18 |
| DPLS40-50 | 400 MCM | 2 | 1 3/8 | 1 3/16 | 1 1/8 | 9/16 | 2 3/4 | 3/16 | 17/32 | - | 19 |



© 2011, AFL, all rights reserved. PP-3-00319, Revision 2, 3.28.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE DPLS
### Copper Short Barrel Terminal

## Ordering Information

| CATALOG NUMBER | CABLE SIZE | FIG. NO. | DIMENSIONS IN INCHES | | | | | | | | DIE INDEX |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | H | L | T | X | Y | |
| DPLS40-1 | 400 MCM | 2 | 1 3/8 | 1 3/16 | 1 3/8 | 11/16 | 3 | 3/16 | 21/32 | - | 19 |
| DPLS40-2 | 400 MCM | 1 | 1 3/8 | 1 3/16 | 2 | 7/16 | 3 5/8 | 3/16 | 7/16 | 1 1/16 | 19 |
| DPLS40-2N | 400 MCM | 1 | 1 3/8 | 1 3/16 | 3 1/16 | 9/16 | 4 11/16 | 3/16 | 5/8 | 1 3/4 | 19 |
| DPLS50-50 | 500 MCM | 2 | 1 17/32 | 1 3/8 | 1 3/16 | 9/16 | 3 3/16 | 7/32 | 5/8 | - | 20 |
| DPLS50-1 | 500 MCM | 2 | 1 17/32 | 1 3/8 | 1 3/8 | 11/16 | 3 3/8 | 7/32 | 21/32 | - | 20 |
| DPLS50-2 | 500 MCM | 1 | 1 17/32 | 1 3/8 | 2 | 7/16 | 4 | 7/32 | 7/16 | 1 1/16 | 20 |
| DPLS50-2N | 500 MCM | 1 | 1 17/32 | 1 3/8 | 3 1/16 | 9/16 | 5 1/16 | 7/32 | 5/8 | 1 3/4 | 20 |
| DPLS60-1 | 600 MCM | 2 | 1 11/16 | 1 3/8 | 1 3/4 | 11/16 | 3 3/4 | 17/64 | 7/8 | - | 22 |
| DPLS60-2 | 600 MCM | 1 | 1 11/16 | 1 3/8 | 2 | 9/16 | 4 | 17/64 | 7/16 | 1 1/16 | 22 |
| DPLS60-2N | 600 MCM | 1 | 1 11/16 | 1 3/8 | 3 1/16 | 7/16 | 5 1/16 | 17/64 | 5/8 | 1 3/4 | 22 |
| DPLS75-1 | 750 MCM | 2 | 1 7/8 | 1 5/8 | 1 7/8 | 11/16 | 4 1/8 | 17/64 | 7/8 | - | 24 |
| DPLS75-2N | 750 MCM | 1 | 1 7/8 | 1 5/8 | 3 1/8 | 9/16 | 5 3/8 | 17/64 | 5/8 | 1 3/4 | 24 |
| DPLS80-1 | 800 MCM | 2 | 1 7/8 | 1 5/8 | 2 | 11/16 | 4 1/2 | 9/32 | 15/16 | - | 25 |
| DPLS80-2N | 800 MCM | 1 | 1 7/8 | 1 5/8 | 3 1/8 | 9/16 | 5 5/8 | 9/32 | 5/8 | 1 3/4 | 25 |
| DPLS100-1 | 1000 MCM | 2 | 2 5/32 | 1 7/8 | 2 | 11/16 | 4 15/16 | 21/64 | 15/16 | - | 27 |
| DPLS100-2N | 1000 MCM | 1 | 2 5/32 | 1 7/8 | 3 1/8 | 9/16 | 6 1/16 | 21/64 | 5/8 | 1 3/4 | 27 |
| DPLS100-4 | 1000 MCM | 3 | 2 5/32 | 1 7/8 | 2 1/4 | 7/16 | 5 3/16 | 21/64 | 1/2 | 1 1/8 | 27 |
| DPLS150-1 | 1500 MCM | 2 | 2 11/16 | 2 | 2 3/8 | 11/16 | 6 5/16 | 25/64 | 1 1/8 | - | 31 |
| DPLS150-2 | 1500 MCM | 1 | 2 11/16 | 2 | 2 5/8 | 9/16 | 7 1/16 | 25/64 | 9/16 | 1 3/8 | 31 |
| DPLS150-2N | 1500 MCM | 1 | 2 11/16 | 2 | 3 1/8 | 9/16 | 6 9/16 | 25/64 | 5/8 | 1 3/4 | 31 |
| DPLS150-4 | 1500 MCM | 3 | 2 11/16 | 2 | 2 5/8 | 9/16 | 6 9/16 | 25/64 | 9/16 | 1 3/8 | 31 |
| DPLS200-1 | 2000 MCM | 2 | 3 5/64 | 2 1/4 | 2 1/2 | 13/16 | 6 1/2 | 15/32 | 1 13/16 | - | 34 |
| DPLS200-2N | 2000 MCM | 1 | 3 5/64 | 2 1/4 | 3 1/8 | 9/16 | 7 1/8 | 15/32 | 5/8 | 1 3/4 | 34 |
| DPLS200-4 | 2000 MCM | 3 | 3 5/64 | 2 1/4 | 2 3/4 | 9/16 | 6 3/4 | 15/32 | 9/16 | 1 1/2 | 34 |
| DPLS200-4N | 2000 MCM | 3 | 3 5/64 | 2 1/4 | 3 1/8 | 9/16 | 7 1/8 | 15/32 | 5/8 | 1 3/4 | 34 |

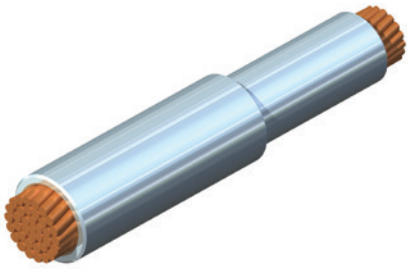
For information on installation tools refer to pages 246 and 247.



© 2011, AFL, all rights reserved. PP-3-00319, Revision 2, 3.28.2023
Specifications are subject to change without notice.

# DOSSERT®

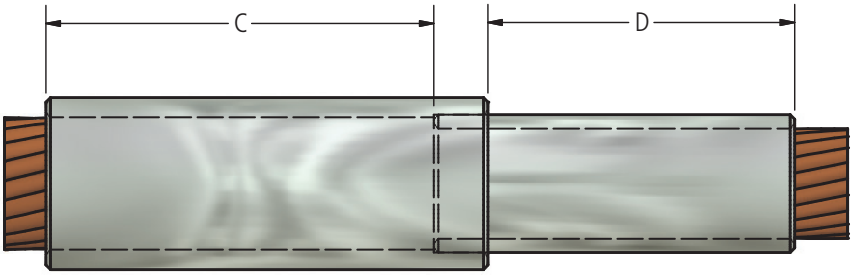
## TYPE DPR
### Copper Reducing Coupler



A Seamless reducing coupler for splicing two different sized cables end-to-end. The larger cable is inserted first and stops against the center of the connector where the small diameter portion begins. This insures that both conductors are at the proper depth before crimping. Entrance chamfers are provided to aid in cable insertion. Accepting a wide range of cable diameters, connectors are stamped with full catalog numbers and conductor sizes for quick identification.

### Material

Tin plated copper alloy






© 2011, AFL, all rights reserved. PP-3-00320, Revision 1, 3.28.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE DPR
### Copper Reducing Coupler

## Ordering Information

| CATALOG NUMBER | CABLE SIZE | | DIMENSIONS IN INCHES | |
|---|---|---|---|---|
| | RUN | TAP | C | D |
| DPR4-2 | 4 Str. | 6 Str. | 1 1/8 | 1 1/4 |
| DPR6-2 | 2 Str. | 6 Str. | 1 1/4 | 1 1/8 |
| DPR6-4 | 2 Str. | 4 Str. | 1 1/4 | 1 1/8 |
| DPR10-2 | 1/0 Str. | 6 Str. | 1 3/8 | 1 1/8 |
| DPR10-4 | 1/0 Str. | 4 Str. | 1 3/8 | 1 1/8 |
| DPR10-6 | 1/0 Str. | 2 Str. | 1 3/8 | 1 1/8 |
| DPR13-2 | 2/0 Str. | 6 Str. | 1 1/2 | 1 1/8 |
| DPR13-4 | 2/0 Str. | 4 Str. | 1 1/2 | 1 1/8 |
| DPR13-6 | 2/0 Str. | 2 Str. | 1 1/2 | 1 1/4 |
| DPR13-10 | 2/0 Str. | 1/0 Str. | 1 1/2 | 1 3/8 |
| DPR21-2 | 4/0 Str. | 6 Str. | 1 5/8 | 1 1/8 |
| DPR21-4 | 4/0 Str. | 4 Str. | 1 5/8 | 1 1/8 |
| DPR21-6 | 4/0 Str. | 2 Str. | 1 5/8 | 1 1/4 |
| DPR21-10 | 4/0 Str. | 1/0 Str. | 1 5/8 | 1 3/8 |
| DPR21-13 | 4/0 Str. | 2/0 Str. | 1 5/8 | 1 1/2 |
| DPR25-4 | 250 MCM | 4 Str. | 1 5/8 | 1 1/8 |
| DPR25-6 | 250 MCM | 2 Str. | 1 5/8 | 1 1/4 |
| DPR25-10 | 250 MCM | 1/0 Str. | 1 5/8 | 1 3/8 |
| DPR25-13 | 250 MCM | 2/0 Str. | 1 5/8 | 1 1/2 |
| DPR25-21 | 250 MCM | 4/0 Str. | 1 5/8 | 1 5/8 |
| DPR35-6 | 350 MCM | 2 Str. | 2 | 1 1/4 |
| DPR35-10 | 350 MCM | 1/0 Str. | 2 | 1 3/8 |
| DPR35-13 | 350 MCM | 2/0 Str. | 2 | 1 1/2 |
| DPR35-21 | 350 MCM | 4/0 Str. | 2 | 1 5/8 |
| DPR35-25 | 350 MCM | 250 MCM | 2 | 1 5/8 |
| DPR50-10 | 500 MCM | 1/0 Str. | 2 1/4 | 1 3/8 |
| DPR50-13 | 500 MCM | 2/0 Str. | 2 1/4 | 1 1/2 |
| DPR50-21 | 500 MCM | 4/0 Str. | 2 1/4 | 1 5/8 |
| DPR50-25 | 500 MCM | 250 MCM | 2 1/4 | 1 5/8 |
| DPR50-35 | 500 MCM | 350 MCM | 2 1/14 | 2 |
| DPR75-13 | 750 MCM | 2/0 Str. | 2 7/8 | 1 1/2 |
| DPR75-21 | 750 MCM | 4/0 Str. | 2 7/8 | 1 5/8 |
| DPR75-25 | 750 MCM | 250 MCM | 2 7/8 | 1 5/8 |
| DPR7-5.35 | 750 MCM | 350 MCM | 2 7/8 | 2 |
| DPR75-50 | 750 MCM | 500 MCM | 2 7/8 | 2 1/4 |
| DPR100-21 | 1000 MCM | 4/0 Str. | 3 | 1 5/8 |
| DPR100-25 | 1000 MCM | 250 MCM | 3 | 1 5/8 |
| DPR100-35 | 1000 MCM | 350 MCM | 3 | 2 |
| DPR100-50 | 1000 MCM | 500 MCM | 3 | 2 1/4 |
| DPR100-75 | 1000 MCM | 750 MCM | 3 | 2 7/8 |
| DPR150-25 | 1500 MCM | 250 MCM | 3 1/4 | 1 5/8 |
| DPR150-35 | 1500 MCM | 350 MCM | 3 1/4 | 2 |
| DPR150-50 | 1500 MCM | 500 MCM | 3 1/4 | 2 1/4 |
| DPR150-75 | 1500 MCM | 750 MCM | 3 1/4 | 2 7/8 |
| DPR150-100 | 1500 MCM | 1000 MCM | 3 1/4 | 3 |

For information on installation tools refer to pages 246 and 247.

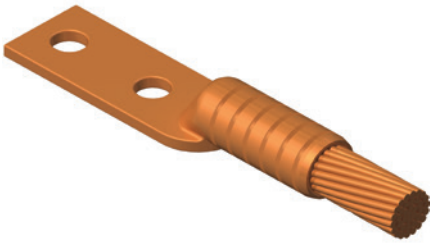


© 2011, AFL, all rights reserved. PP-3-00320, Revision 1, 3.28.2023
Specifications are subject to change without notice.

# Bronze Compression Connectors

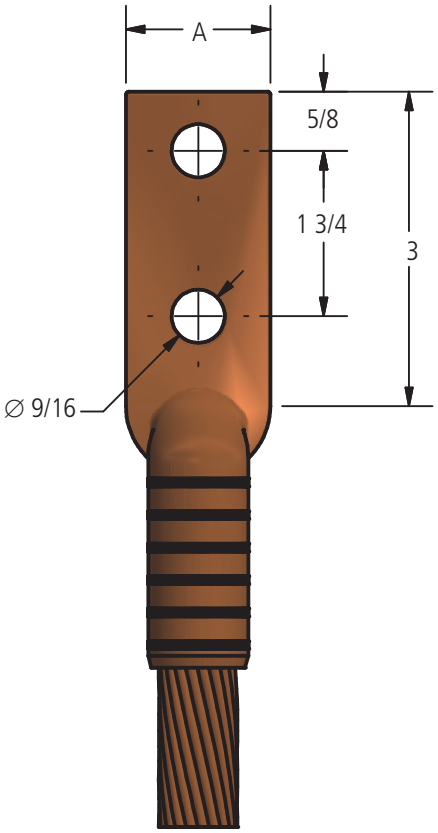
## DOSSERT®

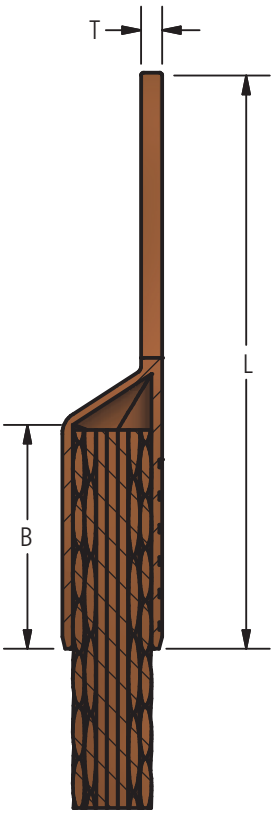
## TYPE LCA
### Compression Terminal Lug



### Material
Pure Copper Tubing

### Note
- Barrel lined with Silicon Carbide Powder. For a tin plating add suffix 'SN' to catalog number. Available with solder sealing add suffix 'MT' to catalog number.
- For a 3/0 STR cable with a 2 hole terminal pad, tin plated use LCA17-2N-SN.




## Ordering Information

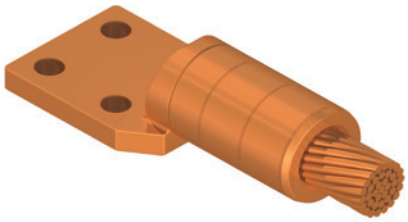
| CATALOG NUMBER | CABLE SIZE | DIMENSIONS IN INCHES | | | |
|---|---|---|---|---|---|
| | | A | B | L | T |
| LCA10-2N | 1/0 STR | 7/8 | 1 9/16 | 5 1/4 | 7/32 |
| LCA13-2N | 2/0 STR | 1 | 1 9/16 | 5 1/4 | 1/4 |
| LCA17-2N | 3/0 STR | 1 1/16 | 1 9/16 | 5 3/8 | 5/16 |
| LCA21-2N | 4/0 STR | 1 7/32 | 1 9/16 | 5 3/8 | 5/16 |
| LCA25-2N | 250 MCM | 1 5/16 | 1 3/4 | 5 3/8 | 11/32 |
| LCA30-2N | 300 MCM | 1 7/16 | 1 3/4 | 5 1/2 | 3/8 |
| LCA35-2N | 350 MCM | 1 19/32 | 2 3/4 | 6 1/2 | 7/16 |



© 2011, AFL, all rights reserved. PP-3-00382, Revision 2, 3.28.2023
Specifications are subject to change without notice.

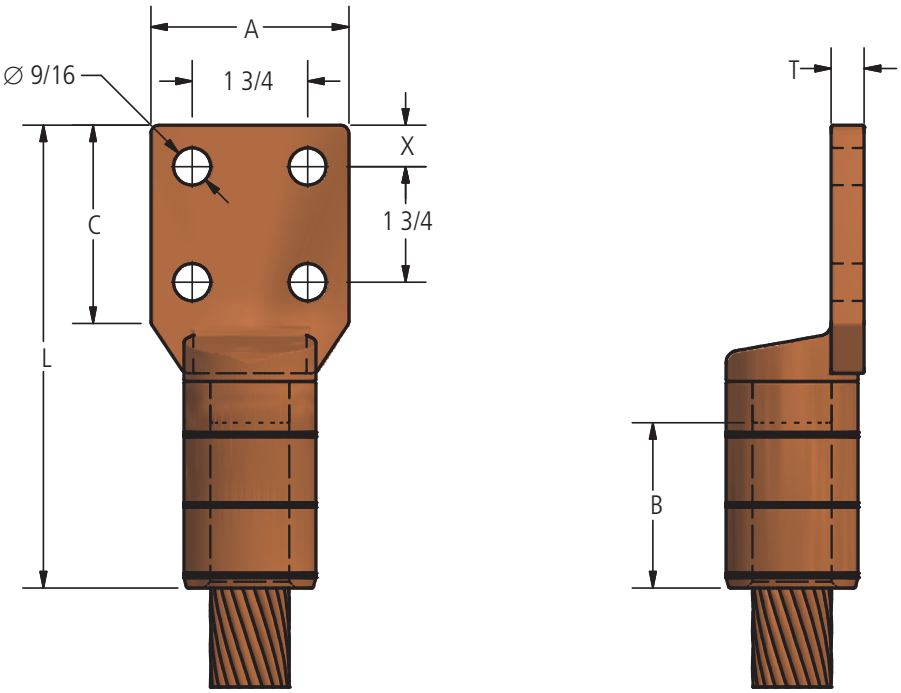
# DOSSERT®

## TYPE LCAE
### Compression Terminal Lug



### Material
Copper Alloy

### Note
- Barrel lined with Silicon Carbide Powder.
- For Tin plating finish add suffix "-SN" to catalog number. Ex: LCAE10-4N-SN




## Ordering Information

| CATALOG NUMBER | CABLE SIZE | DIMENSIONS IN INCHES | | | | | |
|---|---|---|---|---|---|---|---|
| | | A | B | C | L | T | X |
| LCAE10-4N | 1/0 STR | 3 | 1 9/16 | 3 | 5 1/4 | 3/16 | 5/8 |
| LCAE13-4N | 2/0 STR | 3 | 1 9/16 | 3 | 5 1/4 | 1/4 | 5/8 |
| LCAE17-4N | 3/0 STR | 3 | 1 9/16 | 3 | 5 3/8 | 1/4 | 5/8 |
| LCAE21-4N | 4/0 STR | 3 | 1 9/16 | 3 | 5 3/8 | 1/4 | 5/8 |
| LCAE25-4N | 250 MCM | 3 | 1 3/4 | 3 | 5 3/8 | 5/16 | 5/8 |
| LCAE30-4N | 300 MCM | 3 | 1 3/4 | 3 | 5 3/4 | 5/16 | 5/8 |
| LCAE30-4N4 | 300 MCM | 4 | 1 3/4 | 4 | 6 3/4 | 5/16 | 1 1/8 |



© 2011, AFL, all rights reserved. PP-3-00383, Revision 2, 3.28.2023
Specifications are subject to change without notice.

# DOSSERT®

# INSTALLATION TOOL REFERENCES

The following tool references list a number of existing tools which can be used to install all connectors listed in catalog whose tabular listing is foot-noted to refer to pages 246 and 247. For any given cable size, irrespective of connector type, the proper tool and dies (if required) can be quickly selected.

## AMP TOOLS

### TOOL AND DIE NUMBERS

**(Bold Type Indicates Tool and Light Type Indicates Dies)**
**Between Vertical Lines Can Be Found The Desired Tool and Accompanying Die (or Dies) Where Required.**

| CABLE SIZE | TOOL AND DIE NUMBERS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 STR. | **69010** | 38923 | **69015** | 48172 | **69012** | 37207 | **69020** | 48127 | 48128 | **69025** | 48127 | 48128 |
| 4 Str. | **69015** | 48173 | **69020** | 48127 | 48129 | **69025** | 48127 | 48129 | – | – | – | – |
| 2 Str. | **69015** | 48174 | **69020** | 48127 | 48130 | **69025** | 48127 | 48130 | – | – | – | – |
| 1 & 1/0 Str. | **69015** | 48183 | **69020** | 48131 | 48132 | **69025** | 48131 | 48132 | – | – | – | – |
| 2/0 Str. | **69020** | 48131 | 48133 | **69025** | 48131 | 48133 | – | – | – | – | – | – |
| 3/0 Str. | **69020** | 48131 | 48134 | **69025** | 48131 | 48134 | – | – | – | – | – | – |
| 4/0 Str. | **69020** | 48131 | 300430 | **69025** | 48131 | 48135 | – | – | – | – | – | – |

## BURNDY TOOLS

### TOOL AND DIE NUMBERS

**(Bold Type Indicates Tool and Light Type Indicates Dies)**
**Between Vertical Lines Can Be Found The Desired Tool and Accompanying Die (or Dies) Where Required.**

| CABLE SIZE | TOOL AND DIE NUMBERS | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 STR. | **MY29;** | **Y34A** | A6CD | Y34PR | **Y34B** | B6CD | Y34PR | – | – | – | – | – | – | – | – | – | – |
| 4 Str. | **MY29;** | **Y34A** | A4CD | Y34PR | **Y34B** | B4CD | Y34PR | – | – | – | – | – | – | – | – | – | – |
| 3 Str. | **MY29;** | Y34A | A3CD | Y34PR | **Y34B** | B3CD | Y34PR | – | – | – | – | – | – | – | – | – | – |
| 2 Str. | **MY29;** | Y34A | A2CD | Y34PR | **Y34B** | B2CD | Y34PR | – | – | – | – | – | – | – | – | – | – |
| 1 Str. | **MY29;** | Y34A | A1CD | Y34PR | **Y34B** | B1CD | Y34PR | – | – | – | – | – | – | – | – | – | – |
| 1/0 Str. | **MY29;** | Y34A | A25D | Y34PR | **Y34B** | B25D | Y34PR | **Y44B** | E25D | Y44PR | – | – | – | – | – | – | – |
| 2/0 Str. | **MY29;** | Y34A | A26D | Y34PR | **Y34B** | B26D | Y34PR | **Y44B** | E26D | Y44PR | – | – | – | – | – | – | – |
| 3/0 Str. | **MY29;** | Y34A | A27D | Y34PR | **Y34B** | B27D | Y34PR | **Y44B** | E27D | Y44PR | – | – | – | – | – | – | – |
| 4/0 Str. | **MY29T;** | **MY29-3;** | Y34A | A28D | Y34PR | **Y34B** | B28D | Y34PR | Y44B | E28D | Y44PR | Y48B | C28D | Y48PR | **Y486RB** | F28D | Y48PR |
| 250 MCM | **MY29;** | **MY29-3;** | Y34A | A29D | Y34PR | **Y34B** | B29D | Y34PR | Y44B | E29D | Y44PR | Y48B | C29D | Y48PR | **Y486RB** | F29D | Y48PR |
| 300 MCM | **Y34A** | A30D | Y34PR | **Y34B** | B30D | Y34PR | **Y44B** | E30D | Y44PR | **Y48B** | C30D | Y48PR | Y486RB | F30D | Y48PR | – | – |
| 350MCM | **Y34A** | A31D | Y34PR | **Y34B** | B31D | Y34PR | **Y44B** | E31D | Y44PR | **Y48B** | C31D | Y48PR | Y486RB | F31D | Y48PR | – | – |
| 400 MCM | **Y34A** | A32D | Y34PR | **Y34B** | B32D | Y34PR | **Y44B** | E32D | Y44PR | **Y48B** | C32D | Y48PR | Y486RB | F32D | Y48PR | – | – |
| 450 MCM | **Y34A** | A33D | Y34PR | **Y34B** | B33D | Y34PR | **Y44B** | E33D | Y44PR | **Y48B** | C33D | Y48PR | Y486RB | F33D | Y48PR | – | – |
| 500 MCM | **Y34A** | A34D | Y34PR | **Y34B** | | Y48PR | **Y44B** | E34D | Y44PR | **Y48B** | C34D | Y48PR | Y486RB | F34D | Y48PR | – | – |
| 550 MCM | **Y44B** | E35D | Y44PR | **Y48B** | C35D | Y48PR | **Y486RB** | F35D | Y48PR | – | – | – | – | – | – | – | – |
| 600 MCM | **Y44B** | E36D | Y44PR | **Y48B** | C36D | Y48PR | **Y486RB** | F36D | Y48PR | – | – | – | – | – | – | – | – |
| 650 MCM | **Y44B** | E37D | Y44PR | **Y48B** | C37D | Y48PR | **Y486RB** | F37D | Y48PR | – | – | – | – | – | – | – | – |
| 700 MCM | **Y44B** | E38D | Y44PR | **Y48B** | C38D | Y48PR | – | – | – | – | – | – | – | – | – | – | – |
| 750 MCM | **Y44B** | E39D | Y44PR | **Y48B** | C39D | Y48PR | **Y486RB** | F39D | Y48PR | – | – | – | – | – | – | – | – |
| 800 MCM | **Y44B** | E40D | Y44PR | **Y48B** | C40D | Y48PR | **Y486RB** | F40D | Y48PR | – | – | – | – | – | – | – | – |
| 850 MCM | **Y44B** | E41D | Y44PR | **Y48B** | C41D | Y48PR | **Y486RB** | F41D | Y48PR | – | – | – | – | – | – | – | – |
| 1000 MCM | **Y44B** | | Y44PR | **Y48B** | C44D | Y48PR | **Y486RB** | F44D | Y48PR | – | – | – | – | – | – | – | – |
| 1250 MCM | **Y48B** | C45D | Y48PR | **Y486RB** | F45D | Y48PR | – | – | – | – | – | – | – | – | – | – | – |
| 1300 MCM | **Y48B** | C453D | Y48PR | **Y486RB** | F453D | Y48PR | – | – | – | – | – | – | – | – | – | – | – |
| 1500 MCM | **Y48B** | C46D | Y48PR | **Y486RB** | F46D | Y48PR | – | – | – | – | – | – | – | – | – | – | – |
| 1750 MCM | **Y48B** | C47D | Y48PR | **Y486RB** | F47D | Y48PR | – | – | – | – | – | – | – | – | – | – | – |
| 2000 MCM | **Y48B** | C48D | Y48PR | **Y486RB** | F48D | Y48PR | – | – | – | – | – | – | – | – | – | – | – |



© 2011, AFL, all rights reserved. PP-3-00032, Revision 2, 3.28.2023
Specifications are subject to change without notice.

# DOSSERT®

## INSTALLATION TOOL REFERENCES

### T & B TOOLS

#### TOOL AND DIE NUMBERS

**(Bold Type Indicates Tool and Light Type Indicates Dies)**

**Between Vertical Lines Can Be Found The Desired Tool and Accompanying Die (or Dies) Where Required.**

| CABLE SIZE | | | | | |
|---|---|---|---|---|---|
| 6 STR. | WT115 | WT149 | 21072 | 21073 | 11031 |
| 4 Str. | WT115 | WT149 | 21072 | 21073 | 11031 |
| 2 Str. | WT127G2 | 21073 | 11031 | 11015, | 21019 |
| 1 Str. | WT127G | 21073 | 11031 | 11015, | 21019 |
| 1/0 Str. | WT127H | 21073 | 11031 | 11015, | 21019 |
| 2/0 Str. | WT127J | 21073 | 11031 | 11015, | 21019 |
| 3/0 Str. | WT127K | 21073 | 11031 | 11015, | 21019 |
| 4/0 Str. | WT127L | 21073 | 11031 | 11015, | 21019 |
| 250 MCM | WT127M | 21073 | 11031 | 11015, | 21019 |



© 2011, AFL, all rights reserved. PP-3-00032, Revision 2, 3.28.2023
Specifications are subject to change without notice.

# Bronze Compression Connectors

DOSSERT®

# Table of Contents

## 230 kV Aluminum Bolted

230 kV Bolted Table of Contents . . . . . 243
Pictorial Index . . . . . 245

*Bolted Bus Supports*

Type 16300, 16500, 16700 . . . . . 249
Type 31400 . . . . . 250
Type CBP-AA . . . . . 251
Type CSD-AA . . . . . 252
Type CSP-AA, C2SP-AA . . . . . 252
Type CVSP-AA . . . . . 254
Type PB-AA, PBP-AA . . . . . 255
Type PL-AA . . . . . 256
Type PLH-AA . . . . . 257
Type PSC-AA . . . . . 258
Type PSD-AA, PSD-CH-AA . . . . . 259
Type PSDC-AA . . . . . 261
Type PSDCS-AA . . . . . 262
Type PSG-AA . . . . . 263
Type PSRE-AA . . . . . 264
Type PSS-AA, PSS-CH-AA . . . . . 265
Type PSSR-AA, PSSR-CH-AA . . . . . 267
Type PSU-AA . . . . . 268
Type PSV-AA . . . . . 269
Type SAH-AA, SHH-AA . . . . . 270
Type SAV-AA, SHV-AA . . . . . 271
Type XBC-AA . . . . . 273
Type XBCW-AA . . . . . 274

*Bolted Couplers*

Type BCX-AA . . . . . 275
Type CCV-AA . . . . . 276
Type CP-AA . . . . . 277
Type RCV-AA . . . . . 278
Type RP-AA . . . . . 279
Type RPCV-AA . . . . . 280
Type UK-AA . . . . . 282
Type UKR-AA . . . . . 283
Type UPK-AA . . . . . 284
Type XCW-AA . . . . . 285

*Bolted Corona Bells*

Type CI-AA . . . . . 286
Type 16200 . . . . . 287
Type CX-AA . . . . . 288

*Bolted Dead End Clamps*

Type DEC-AA, DEC-G-AA . . . . . 289
Type SEC-A-2U-AA . . . . . 290
Type SEC-AA, SEC-P-AA . . . . . 291

*Bolted Elbows*

Type EP-AA, EP-30-AA, EP-45-AA, EP-60-AA . . . . . 292

*Bolted Bar Clamps and Spacers*

Type BS-AA . . . . . 293
Type DA-AA . . . . . 294
Type DH-AA . . . . . 295

*Bolted Ground Clamps*

Type GA-AA, GAA-AA . . . . . 296
Type GD-AA . . . . . 297
Type GF-AA . . . . . 298
Type GPC-AA . . . . . 299
Type GS-AA . . . . . 301
Type GW-AA . . . . . 302
Type GCHV-AA . . . . . 303
Type GPH-AA . . . . . 304
Type GPH-N-AA . . . . . 305

*Bolted Parallel Clamps*

Type AC, ACA . . . . . 306
Type AC100-AA . . . . . 308
Type PC-AA . . . . . 309
Type TRV-AA . . . . . 311
Series 390 and 490 Distribution Parallel Groove Clamps . . . . . 312
Series 480 Center Bolt Clamps . . . . . 313
Series 580 U-Bolt Clamps . . . . . 314
Type UD-AA . . . . . 315

© 2011, AFL, all rights reserved. PP-3-00132 , Revision 20, 5.12.2026
Specifications are subject to change without notice.



AFL
AFLglobal.com
1 (800) 890-8878

# Table of Contents

## 230 kV Aluminum Bolted


*Bolted Stud Connectors*

Type SCB-F-N-AA . . . . . 316
Type SCV-AA . . . . . 318
Type SCX-AA, S2CX-AA . . . . . 320
Type SP-AA . . . . . 321
Type SX-AA, SX-90-AA . . . . . 322
Type SXLW-SI-AA . . . . . 324

*Bolted Tee and Vee Connectors*

Type BAP-AA . . . . . 325
Type BCV-AA . . . . . 327
Type BP-AA, BPA-75-AA, BPA-80-AA . . . . . 329
Type BPCV-AA, BP2CV-AA . . . . . 331
Type PFTS-AA . . . . . 334
Type U2T-AA, UUTT-AA . . . . . 336
Type UPT-AA . . . . . 338
Type UT-AA, UUT-AA . . . . . 340
Type VBP-20-AA, VBP-30-AA . . . . . 343
Type CFTL-AA . . . . . 344

*Bolted Cable Spacers*

Type CASV-AA . . . . . 346
Type CASV-N-AA, CASV-N-90-AA . . . . . 348

*Bolted Terminal Connectors*

Type CFTV-AA . . . . . 350
Type T3CV-AA . . . . . 352
Type T2CV-AA, T2CVA-30-AA, T2CVA-45-AA, T2CVA-90-AA . . . . . 354
Type TCV-N-AA, TCVA-15-AA, TCVA-30-AA, TCVA-45-AA, TCVA-90-AA . . . . . 358
Type TCX-AA . . . . . 360
Type TP-AA, TPA-30-AA, TPA-45-AA, TPA-60-AA, TPA-90-AA . . . . . 362
Type TPC-AA . . . . . 364
Type U2L-AA, U2LA-45-AA, U2LA-90-AA . . . . . 366
Type UL-AA, ULA-45-AA, ULA-90-AA . . . . . 367
Type XLW-AA . . . . . 369
Type XLW-90V-AA, XLWO-AA . . . . . 371
Type BM Series . . . . . 373

*Bolted Vibration Dampers*

Type 1706 Series . . . . . 374


© 2011, AFL, all rights reserved. PP-3-00132 , Revision 20, 5.12.2026
Specifications are subject to change without notice.

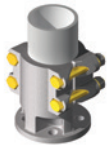
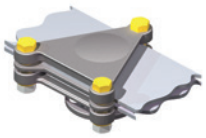


AFL | AFLglobal.com
1 (800) 890-8878

# Photo Index


| 230 kV Aluminum Bolted Bus Supports | |
|---|---|
|  | 16300, 16500, 16700 SERIES |
| | PG. 249 |
|  | 31400 SERIES |
| | PG. 250 |
|  | CBP-AA SERIES |
| | PG. 251 |
|  | CSD-AA SERIES |
| | PG. 252 |
|  | CSP-AA SERIES |
| | PG. 253 |
|  | C2SP-AA SERIES |
| | PG. 253 |
|  | CVSP-AA SERIES |
| | PG. 254 |
|  | PB-AA SERIES |
| | PG. 255 |
|  | PBP-AA SERIES |
| | PG. 255 |

| | |
|---|---|
|  | PL-AA SERIES |
| | PG. 256 |
|  | PLH-AA SERIES |
| | PG. 257 |
|  | PSC-AA SERIES |
| | PG. 258 |
|  | PSD-CH-AA SERIES |
| | PG. 259 |
|  | PSDC-AA SERIES |
| | PG. 261 |
|  | PSDCS-AA SERIES |
| | PG. 262 |
|  | PSG-AA SERIES |
| | PG. 263 |
|  | PSRE-AA SERIES |
| | PG. 264 |
|  | PSS-AA SERIES |
| | PG. 265 |
|  | PSS-CH-AA SERIES |
| | PG. 265 |

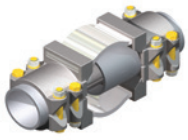
| | |
|---|---|
|  | PSSR-AA SERIES |
| | PG. 267 |
|  | PSU-AA SERIES |
| | PG. 268 |
|  | PSV-AA SERIES |
| | PG. 269 |
|  | SAH-AA SERIES |
| | PG. 270 |
|  | SHH-AA SERIES |
| | PG. 270 |
|  | SAV-AA SERIES |
| | PG. 271 |
|  | SHV-AA SERIES |
| | PG. 271 |
|  | XBC-AA SERIES |
| | PG. 273 |
|  | XBCW-AA SERIES |
| | PG. 274 |


© 2011, AFL, all rights reserved. PP-3-00082, Revision 11, 5.12.2026
Specifications are subject to change without notice.



AFL | AFLglobal.com
1 (800) 890-8878

## 230 kV Aluminum Bolted Couplers

| | |
|---|---|
|  | BCX-AA SERIES<br>PG. 275 |
|  | CCV-AA SERIES<br>PG. 276 |
|  | CP-AA SERIES<br>PG. 277 |
|  | RCV-AA SERIES<br>PG. 278 |
|  | RP-AA SERIES<br>PG. 279 |
|  | RPCV-AA SERIES<br>PG. 280 |
|  | UK-AA SERIES<br>PG. 282 |
|  | UKR-AA SERIES<br>PG. 283 |
|  | UPK-AA SERIES<br>PG. 284 |
|  | XCW-AA SERIES<br>PG. 285 |

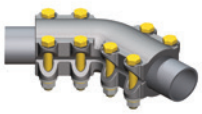
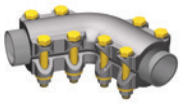
## 230 kV Aluminum Bolted Corona Bells

| | |
|---|---|
|  | CI-AA SERIES<br>PG. 286 |
|  | 16200 SERIES<br>PG. 287 |
|  | CX-AA SERIES<br>PG. 288 |

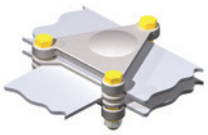
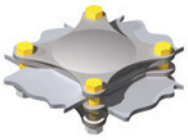
## 230 kV Aluminum Dead End Clamps

| | |
|---|---|
|  | DEC-AA SERIES<br>PG. 289 |
|  | DEC-G-AA<br>PG. 289 |
|  | SEC-A-2U SERIES<br>PG. 290 |
|  | SEC-AA SERIES<br>PG. 291 |

## 230 kV Aluminum Bolted Elbows

| | |
|---|---|
|  | EP-AA SERIES<br>PG. 292 |
|  | EP-30-AA SERIES<br>PG. 292 |
|  | EP-45-AA SERIES<br>PG. 292 |
|  | EP-60-AA SERIES<br>PG. 292 |

## 230 kV Aluminum Bolted Bar Clamps And Spacers

| | |
|---|---|
|  | BS-AA SERIES<br>PG. 293 |
|  | DA-AA SERIES<br>PG. 294 |
|  | DH-AA SERIES<br>PG. 295 |

© 2011, AFL, all rights reserved. PP-3-00082, Revision 11, 5.12.2026
Specifications are subject to change without notice.



AFL | AFLglobal.com
1 (800) 890-8878

## 230 kV Aluminum Bolted Ground Clamps

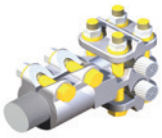
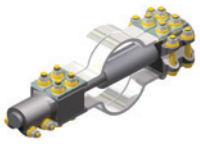
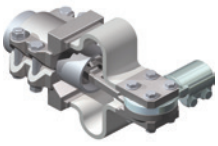
| | |
|---|---|
|  | GA-AA, GAA-AA SERIES<br>PG. 296 |
|  | GD-AA SERIES<br>PG. 297 |
|  | GF-AA SERIES<br>PG. 298 |
|  | GPC-AA SERIES<br>PG. 299 |
|  | GS-AA SERIES<br>PG. 301 |
|  | GW-AA SERIES<br>PG. 302 |
|  | GCHV-AA SERIES<br>PG. 303 |
|  | GPH-AA SERIES<br>PG. 304 |
|  | GPH-N-AA SERIES<br>PG. 305 |

## 230 kV Aluminum Bolted Parallel Clamps

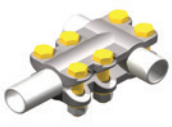
| | |
|---|---|
|  | AC, ACA SERIES<br>PG. 306 |
|  | AC100-AA SERIES<br>PG. 308 |
|  | PC-AA SERIES<br>PG. 309 |
|  | TRV-AA SERIES<br>PG. 311 |
|  | 390, 490 SERIES<br>PG. 312 |
|  | 480 SERIES<br>PG. 312 |
|  | 580 SERIES<br>PG. 314 |
|  | UD-AA SERIES<br>PG. 315 |

## 230 kV Aluminum Bolted Stud Connectors

| | |
|---|---|
|  | SCB-F-N-AA SERIES<br>PG. 316 |

| | |
|---|---|
|  | SCV-AA SERIES<br>PG. 318 |
|  | SCX-AA SERIES<br>PG. 320 |
|  | S2CX-AA SERIES<br>PG. 320 |
|  | SP-AA SERIES<br>PG. 321 |
|  | SX-AA SERIES<br>PG. 322 |
|  | SXLW-SI-AA SERIES<br>PG. 324 |

## 230 kV Aluminum Bolted Tee and Vee Connectors

| | |
|---|---|
|  | BAP-AA SERIES<br>PG. 325 |
|  | BCV-AA SERIES<br>PG. 327 |
|  | BP-AA, BPA-AA SERIES<br>PG. 329 |

© 2011, AFL, all rights reserved. PP-3-00082, Revision 11, 5.12.2026
Specifications are subject to change without notice.



AFL
AFLglobal.com
1 (800) 890-8878



BPCV-AA, BP2CV-AA SERIES

PG. 331



PFTS-AA SERIES

PG. 334



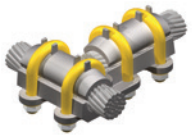
U2T-AA, UUTT-AA SERIES

PG. 336



UPT-AA SERIES

PG. 338



UT-AA, UUT-AA SERIES

PG. 340



VBP-AA SERIES

PG. 343



CFTL-AA SERIES

PG. 345

## 230 kV Aluminum Bolted Cable Spacers



CASV-AA SERIES

PG. 346



CASV-N-AA, CASV-N-90-AA SERIES

PG. 348

## 230 kV Aluminum Bolted Terminal Connectors



CFTV-AA SERIES

PG. 350



T3CV-AA

PG. 352



T2CV-AA, T2CVA-30-AA, -45, -90 SERIES

PG. 354



TCV-AA, TCVA-15-AA, -30, -45, -90 SERIES

PG. 358



TCX-AA SERIES

PG. 360



TP, TPA-30-AA, -45, -90 SERIES

PG. 362



TPC-AA SERIES

PG. 364



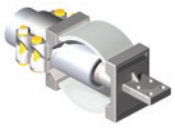
U2L-AA, U2LA-45-AA, -90 SERIES

PG. 366



UL-AA, ULA-45-AA, -90 SERIES

PG. 367



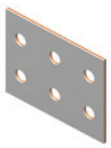
XLW-AA SERIES

PG. 369



XLW-90V-AA, XLWO-AA SERIES

PG. 371



BM SERIES

PG. 372

## 230 kV Aluminum Bolted Vibration Bampers



1706 SERIES

PG. 374

© 2011, AFL, all rights reserved. PP-3-00082, Revision 11, 5.12.2026
Specifications are subject to change without notice.



AFL | AFLglobal.com
1 (800) 890-8878

# 230 kV Aluminum Bolted Bus Supports

## DOSSERT®

## TYPE 16300, 16500, 16700

### Cable Support



The 16300, 16500 and 16700 series supports are designed for mounting stranded aluminum or ACSR conductors. New cable support reduces stock with extended range taking capabilities. These supports can be used for two or four conductors and the cables can be oriented in any angle from the base. Three supports provide cable range from 4/0 to 3500 MCM. Available in 3", 5" and 7" bolt circles.

### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum nuts, bolts and lockwashers.
Galvanized steel mounting hardware included.

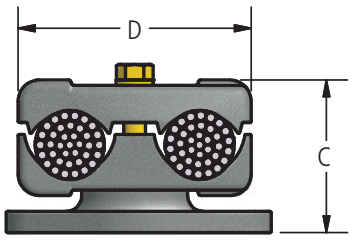
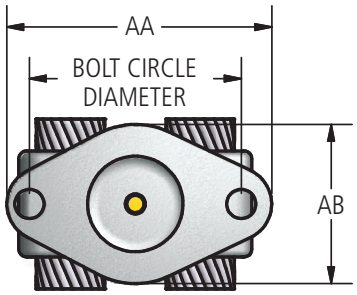



FIG. 1



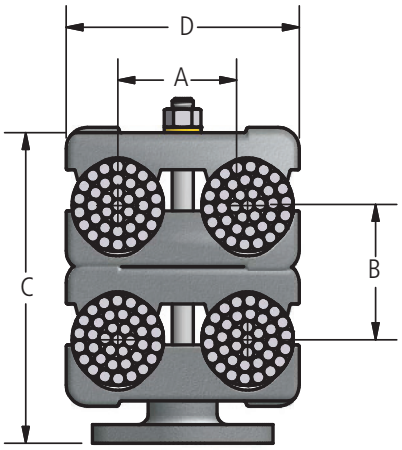




FIG. 2

## Ordering Information

| NO. OF CABLES | FIG. NO. | AAC CABLE RANGE | | CATALOG NUMBER | | | DIAMETER RANGE | DIMENSIONS IN INCHES | | | | | | ULTIMATE CANTILEVER FORCE (LBS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MIN | MAX | 3" BOLT CIRCLE | 5" BOLT CIRCLE | 7" BOLT CIRCLE | IN. | A | B | | C | | D | |
| | | | | | | | | | MIN | MAX | MIN | MAX | | |
| 2 | 1 | 4/0 | 795 MCM | 16320-795C | 16520-795C | 16720-795C | .522 - 1.026 | 2.40 | - | - | 3 1/16 | 3 13/16 | 4 3/8 | 600 |
| 4 | 2 | 4/0 | 795 MCM | 16340-795C | 16540-795C | 16740-795C | .522 - 1.026 | 2.40 | 1 13/16 | 2 1/2 | 4 7/8 | 6 1/4 | 4 3/8 | 300 |
| 2 | 1 | 795 MCM | 2000 MCM | 16320-2000C | 16520-2000C | 16720-2000C | 1.026 - 1.630 | 2.40 | - | - | 3 1/4 | 4 1/16 | 4 3/8 | 600 |
| 4 | 2 | 795 MCM | 2000 MCM | 16340-2000C | 16540-2000C | 16740-2000C | 1.026 - 1.630 | 2.40 | 2 | 2 13/16 | 5 1/4 | 6 7/8 | 4 3/8 | 300 |
| 2 | 1 | 2000 MCM | 3500 MCM | 16320-3500C | 16520-3500C | 16720-3500C | 1.630 - 2.158 | 2.75 | - | - | 3 7/8 | 4 1/2 | 5 1/2 | 600 |
| 4 | 2 | 2000 MCM | 3500 MCM | 16340-3500C | 16540-3500C | 16740-3500C | 1.630 - 2.158 | 2.75 | 2 5/8 | 3 3/16 | 7 9/16 | 7 9/16 | 5 1/2 | 300 |

| BOLT MOUNTING CIRCLE | DIMENSIONS IN INCHES | |
|---|---|---|
| IN | AA | AB |
| 3 | 4.25 | 2.50 |
| 5 | 6.25 | 3.75 |
| 7 | 8.75 | 3.75 |



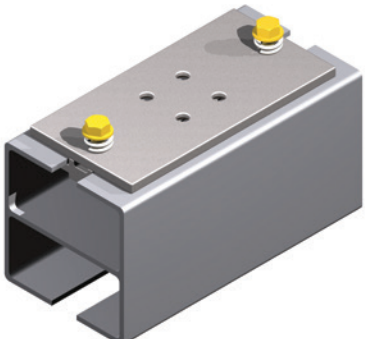
© 2011, AFL, all rights reserved. PP-3-00159, Revision 2, 11.30.18
Specifications are subject to change without notice.

# 230 kV Aluminum Bolted Bus Supports

## DOSSERT®

## TYPE 31400

### Bus Support Slip Or Fixed



The 31400 Series support is designed to provide reliable mounting for integral web channel bus (IWCB) conductors. Support may be used for tight fit or slip fit applications by rotating keeper. Assembly includes four galvanized steel flat head cap screws for mounting on insulator.

### Material

Aluminum Alloy

### Hardware

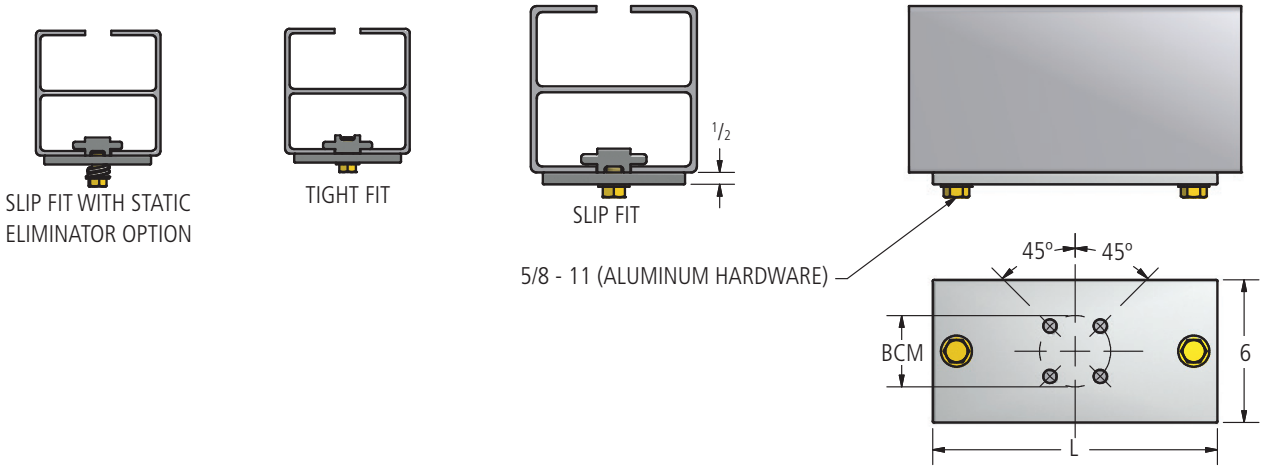
Yellow anodized aluminum bolts, nuts, and lockwashers.
Galvanized steel mounting hardware included.

### Ordering Instructions

Step 1: Determine the catalog number based on the IWCB being used and the bolt circle mount (BCM).

Step 2: For slip application, add 'AC'. For Fixed application, leave blank. Ex: A bus support for 4"x 4" IWBC with a 5" BCM for a slip application, the complete catalog number is: 31444-5AC

Step 3: Build Catalog Number
Slip or Fixed Application + Catalog Number




## Ordering Information

| CONDUCTOR SIZE | CATALOG NUMBER | | NOMINAL WEIGHT | | DIMENSIONS |
|---|---|---|---|---|---|
| IWCB | 3" BOLT CIRCLE (76.2 MM) | 5" BOLT CIRCLE (127.0 MM) | 3" BOLT CIRCLE | 5" BOLT CIRCLE | L |
| IN | | | LBS | LBS | INCHES |
| 4x4 | 31444-3 | 31444-5 | 6.2 | 6.3 | 12 |
| 6x4 | 31464-3 | 31464-5 | 6.3 | 6.4 | 12 |
| 6x5 | 31465-3 | 31465-5 | 7.9 | 8 | 12 |
| 6x6 | 31466-3 | 31466-5 | 7.2 | 7.3 | 12 |
| 7x7 | 31477-3 | 31477-5 | 7.2 | 7.3 | 12 |
| 8x5 | 31485-3 | 31485-5 | 7.2 | 7.3 | 12 |
| 8x8 | 31488-3 | 31488-5 | 7.2 | 7.3 | 12 |
| 9x9 | 31499-3 | 31499-5 | 8.3 | 8.4 | 12 |
| 10x10 | B4705-K | B4705-AC | 8.67 | 8.69 | 16 |
| 12x12 | B4705-M | B4705-AE | 10.1 | 10.2 | 18 |

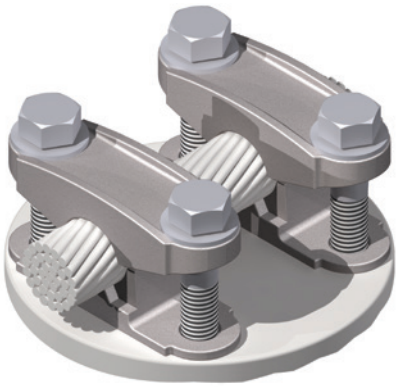


© 2011, AFL, all rights reserved. PP-3-00172, Revision 2, 7.27.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE CBP-AA

### Two Unit Bus Support For Cable



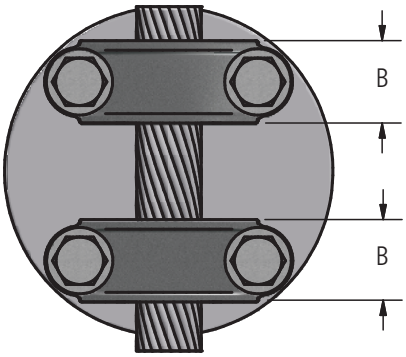
A two unit, four piece cable support which mounts conductor to cap of insulator. A single unit for light service can be supplied on request. Clamp is furnished with cap screws for threading into tapped holes of insulator.

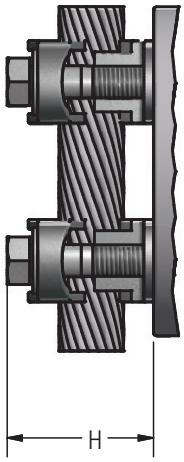
### Material

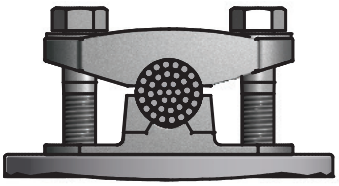
Aluminum Alloy

### Hardware

Galvanized steel bolts and lockwashers.



## Ordering Information

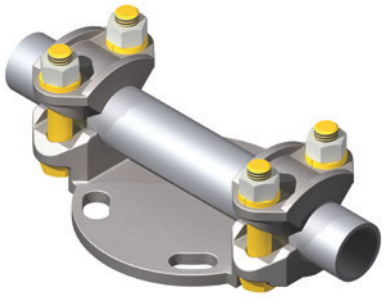
| CATALOG NUMBER | AAC CABLE RANGE | | BOLT CIRCLE | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|---|---|
| | MIN | MAX | | B | H | BOLT SIZE |
| CBP21-3-AA | 2 Stranded | 4/0 Stranded | 3 | 1 1/8 | 1 9/16 | 1/2 |
| CBP21-5-AA | 2 Stranded | 4/0 Stranded | 5 | 1 3/8 | 1 13/16 | 5/8 |
| CBP50-3-AA | 2/0 Stranded | 500 kcmil | 3 | 1 1/8 | 1 13/16 | 1/2 |
| CBP50-5-AA | 2/0 Stranded | 500 kcmil | 5 | 1 3/8 | 2 9/32 | 5/8 |
| CBP125-3-AA | 550 kcmil | 1250 kcmil | 3 | 1 3/8 | 2 3/16 | 1/2 |
| CBP125-5-AA | 550 kcmil | 1250 kcmil | 5 | 1 5/8 | 2 3/4 | 5/8 |



© 2011, AFL, all rights reserved. PP-3-00274, 3, 11.8.2022
Specifications are subject to change without notice.

# TYPE CSD-AA

**Aluminum Bolted Bus Support For Cable or Pipe**

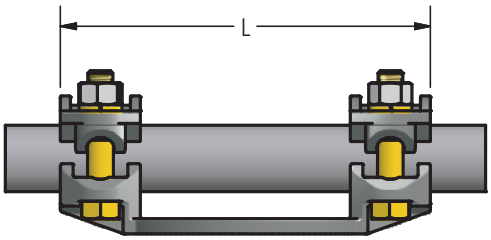


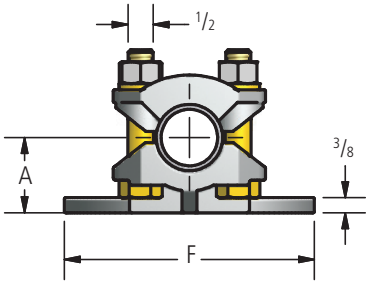
## Material

Aluminum Alloy

## Hardware

Yellow anodized aluminum nuts, bolts, and lockwashers.
Galvanized steel base mounting hardware is included.




## Ordering Information

| CATALOG NUMBER | Bolt Mount Circle | AAC CABLE RANGE | | ACSR CABLE RANGE | | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|---|---|---|---|
| | | MIN | MAX | MIN | MAX | A | F | L |
| CSD21-3-AA | 3 | 4SOL | 4/0STR | 6 | 4/0 | 1 1/8 | 4 1/4 | 7 1/8 |
| CSD21-5-AA | 5 | 4SOL | 4/0STR | 6 | 4/0 | 1 1/8 | 6 1/4 | 9 3/8 |
| CSD55-3-AA | 3 | 250 | 550 | 266.8 | 477 | 1 3/8 | 4 1/4 | 7 1/8 |
| CSD55-5-AA | 5 | 250 | 550 | 266.8 | 477 | 1 3/8 | 6 1/4 | 9 3/8 |
| CSD111-3-AA | 3 | 600 | 1113 | 556.5 | 1033.5 | 1 1/2 | 4 1/4 | 7 1/8 |
| CSD111-5-AA | 5 | 600 | 1113 | 556.5 | 1033.5 | 1 5/8 | 6 1/4 | 9 3/8 |
| CSD200-3-AA | 3 | 1200 | 2000 | 1113 | 1780 | 1 3/4 | 4 1/4 | 7 3/4 |
| CSD200-5-AA | 5 | 1200 | 2000 | 1113 | 1780 | 1 7/8 | 6 1/4 | 9 1/4 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

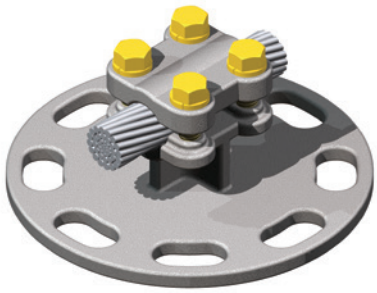
© 2011, AFL, all rights reserved. PP-3-00293, Rev 2, 9.25.2025
Specifications are subject to change without notice.

DOSSERT®

# TYPE CSP-AA, C2SP-AA

## One or Two Pipe Cable Bus Support

Pipe or Cable Bus Support for two cables or pipes.



### Material

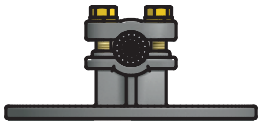
Aluminum Alloy

### Hardware

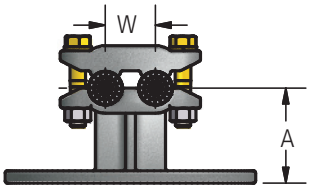
Yellow anodized aluminum nuts, bolts, and lockwashers.
Galvanized steel base mounting hardware is included.

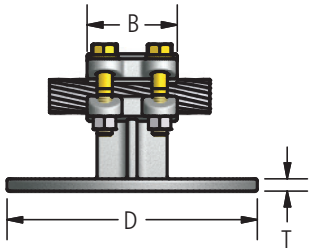
### Notes

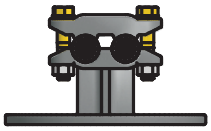
1. For a Double Cable Bus Support add a 2 after 'C'.
2. For two 300 MCM cable, with a 3 in Bolt Circle C2SP87-3-AA.
3. For base mounting dimensions and hardware see page 3 in the general catalog index.



CSP-AA



C2SP-AA

### Ordering Information

| CATALOG NUMBER | CABLE RANGE | | | | SPS | BOLT CIRCLE | DIMENSIONS IN INCHES | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ALUMINUM | | ACSR | | | | | | | | | |
| | MIN | MAX | MIN | MAX | | | A | B | D | T | W | |
| CSP56-3-AA | 8SOL | 250MCM | 6 | #4/0 | 1/8-1/4 | 3 | 2 1/4 | 2 1/2 | 4 1/4 | 3/8 | 1 | 1/2 |
| CSP56-5-AA | 8SOL | 250MCM | 6 | #4/0 | 1/8-1/4 | 5 | 2 1/4 | 2 1/2 | 6 1/4 | 3/8 | 1 | 1/2 |
| CSP87-3-AA | 300MCM | 556.5MCM | 226.8MCM | 556.5MCM | 3/8-1/2 | 3 | 2 1/2 | 2 1/2 | 4 1/4 | 3/8 | 1 1/4 | 1/2 |
| CSP87-5-AA | 300MCM | 556.5MCM | 226.8MCM | 556.5MCM | 3/8-1/2 | 5 | 2 1/2 | 2 1/2 | 6 1/4 | 3/8 | 1 1/4 | 1/2 |
| CSP87-7-AA | 300MCM | 556.5MCM | 226.8MCM | 556.5MCM | 3/8-1/2 | 7 | 2 1/2 | 2 1/2 | 8 1/2 | 1/2 | 1 1/4 | 1/2 |
| CSP111-3-AA | 636MCM | 900MCM | 556.5MCM | 795MCM | 1/2 | 3 | 2 3/4 | 2 3/4 | 4 1/4 | 3/8 | 1 1/2 | 1/2 |
| CSP111-5-AA | 636MCM | 900MCM | 556.5MCM | 795MCM | 1/2 | 5 | 2 3/4 | 2 3/4 | 6 1/4 | 3/8 | 1 1/2 | 1/2 |
| CSP111-7-AA | 636MCM | 900MCM | 556.5MCM | 795MCM | 1/2 | 7 | 2 3/4 | 2 3/4 | 8 1/2 | 1/2 | 1 1/2 | 1/2 |
| CSP125-3-AA | 954MCM | 1192.5MCM | 795MCM | 1113MCM | 3/4 | 3 | 3 | 2 3/4 | 4 1/4 | 3/8 | 1 3/4 | 1/2 |
| CSP125-5-AA | 954MCM | 1192.5MCM | 795MCM | 1113MCM | 3/4 | 5 | 3 | 2 3/4 | 6 1/4 | 1/2 | 1 3/4 | 1/2 |
| CSP125-7-AA | 954MCM | 1192.5MCM | 795MCM | 1113MCM | 3/4 | 7 | 3 | 2 3/4 | 8 1/2 | 1/2 | 1 3/4 | 1/2 |
| CSP143-3-AA | 1272MCM | 1510.5MCM | 1113MCM | 1431MCM | 1 | 3 | 3 3/8 | 2 3/4 | 4 1/4 | 3/8 | 1 7/8 | 1/2 |
| CSP143-5-AA | 1272MCM | 1510.5MCM | 1113MCM | 1431MCM | 1 | 5 | 3 3/8 | 2 3/4 | 6 1/4 | 1/2 | 1 7/8 | 1/2 |
| CSP143-7-AA | 1272MCM | 1510.5MCM | 1113MCM | 1431MCM | 1 | 7 | 3 3/8 | 2 3/4 | 8 1/2 | 1/2 | 1 7/8 | 1/2 |
| CSP163-3-AA | 1590MCM | 2000MCM | 1431MCM | 1780MCM | 1 | 3 | 3 1/2 | 2 3/4 | 4 1/4 | 3/8 | 2 1/16 | 5/8 |
| CSP163-5-AA | 1590MCM | 2000MCM | 1431MCM | 1780MCM | 1 | 5 | 3 1/2 | 2 3/4 | 6 1/4 | 1/2 | 2 1/16 | 5/8 |
| CSP163-7-AA | 1590MCM | 2000MCM | 1431MCM | 1780MCM | 1 | 7 | 3 1/2 | 2 3/4 | 8 1/2 | 1/2 | 2 1/16 | 5/8 |
| CSP182-3-AA | 2000MCM | 2500MCM | 2034MCM | 2312MCM | 1 1/4 | 3 | 3 5/8 | 3 1/4 | 4 1/4 | 3/8 | 2 1/2 | 5/8 |
| CSP182-5-AA | 2000MCM | 2500MCM | 2034MCM | 2312MCM | 1 1/4 | 5 | 3 5/8 | 3 1/4 | 6 1/4 | 3/8 | 2 1/2 | 5/8 |
| CSP182-7-AA | 2000MCM | 2500MCM | 2034MCM | 2312MCM | 1 1/4 | 7 | 3 5/8 | 3 1/4 | 8 1/2 | 1/2 | 2 1/2 | 5/8 |
| CSP199-3-AA | 2000MCM | 3000MCM | 2034MCM | 2870MCM | 1-1/4 - 1-1/2 | 3 | 3 5/8 | 3 1/4 | 4 1/4 | 3/8 | 2 5/8 | 5/8 |
| CSP199-5-AA | 2000MCM | 3000MCM | 2034MCM | 2870MCM | 1-1/4 - 1-1/2 | 5 | 3 5/8 | 3 1/4 | 6 1/4 | 1/2 | 2 5/8 | 5/8 |
| CSP216-3-AA | 2500MCM | 3500MCM | — | — | 1 1/2 | 3 | 3 5/8 | 3 1/4 | 4 1/4 | 7/16 | 3 1/4 | 5/8 |
| CSP216-5-AA | 2500MCM | 3500MCM | — | — | 1 1/2 | 5 | 3 5/8 | 3 1/4 | 6 1/4 | 7/16 | 3 1/4 | 5/8 |



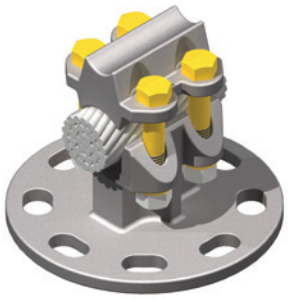
© 2011, AFL, all rights reserved. PP-3-00294, Rev 6, 11.29.2023
Specifications are subject to change without notice.

# 230 kV Aluminum Bolted Bus Supports

## DOSSERT®

## TYPE CVSP-AA

### Cable Bus Support



Base mounting holes are slotted to allow for misalignment in insulator stack. Used for both cable and pipe applications. Reversible for covering a broad range of conductor sizes.

### Material

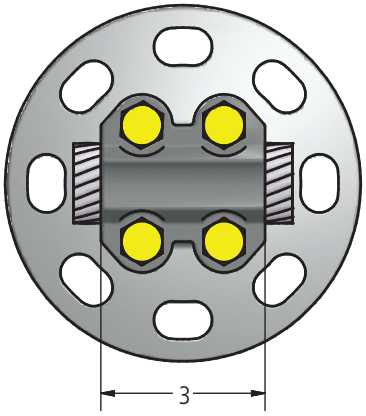
Aluminum Alloy

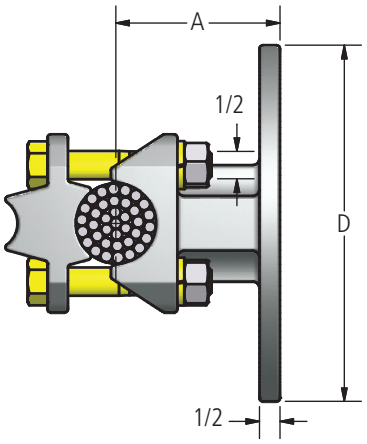
### Hardware

Yellow anodized aluminum nuts, bolts, and lockwashers.
Galvanized steel base mounting hardware is included.

### Note

For base mounting dimensions and hardware see page 3 in the general catalog index.




## Ordering Information

| CATALOG NUMBER | ALUMINUM | | SPS | | BOLT CIRCLE | DIMENSIONS IN INCHES | |
|---|---|---|---|---|---|---|---|
| | MIN | MAX | SMALL GROOVE | LARGE GROOVE | | A | D |
| CVSP143A-3-AA | 3/0 ACSR-700 MCM AL | 750 MCM AL. - 1431 ACSR | 1/4 | 1 | 3 | 3 | 4 1/4 |
| CVSP143A-5-AA | 3/0 ACSR-700 MCM AL | 751 MCM AL. - 1431 ACSR | 1/4 | 1 | 5 | 3 | 6 1/4 |

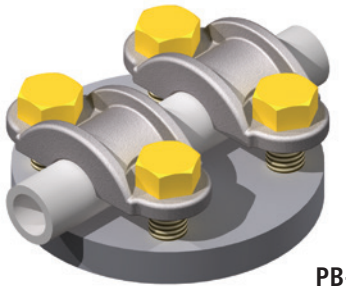


© 2011, AFL, all rights reserved. Rev 1, PP-3-00299, 11.7.17
Specifications are subject to change without notice.

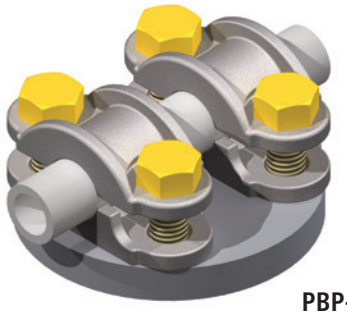
# TYPE PB-AA, PBP-AA

## Bus Support With Two Unit Caps

A two unit cap clamping bus support for mounting on insulator bolt circle. Type PB clamps bus directly to insulator while type PBP is provided with two independent matching bus saddles. Available for either cap or base mounting. Unless otherwise specified supports are furnished for cap mounting as illustrated.



PB-AA



PBP-AA

### Material

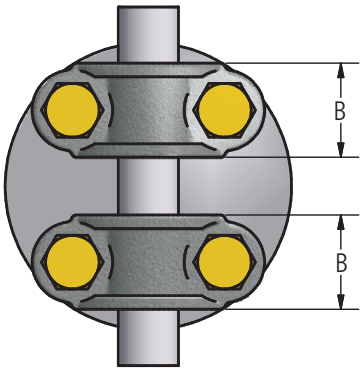
Aluminum Alloy

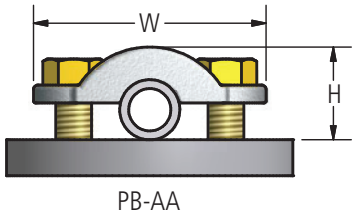
### Hardware

Yellow anodized aluminum bolts, nuts, and lockwashers.

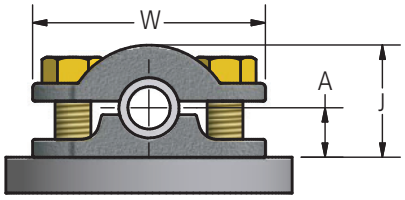
### Note

For a 1" SPS pipe, 3" bolt circle, and saddle order PBP100-3-AA.




PB-AA




PBP-AA

### Ordering Information

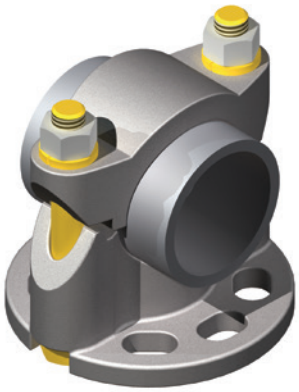
| CATALOG NUMBER | | SPS | BOLT CIRCLE | DIMENSIONS IN INCHES | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | H | J | W | |
| PB50-3-AA | PBP50-3-AA | 1/2 | 3 | 3/4 | 1 5/16 | 1 3/8 | 1 11/16 | 3 1/4 | 1/2 |
| PB50-5-AA | PBP50-5-AA | 1/2 | 5 | 3/4 | 1 3/8 | 1 1/2 | 1 13/16 | 4 15/16 | 5/8 |
| PB75-3-AA | PBP75-3-AA | 3/4 | 3 | 7/8 | 1 5/16 | 1 9/16 | 1 15/16 | 3 1/4 | 1/2 |
| PB75-5-AA | PBP75-5-AA | 3/4 | 5 | 7/8 | 1 3/8 | 1 11/16 | 2 1/16 | 4 15/16 | 5/8 |
| PB100-3-AA | PBP100-3-AA | 1 | 3 | 1 | 1 1/2 | 1 3/4 | 2 1/8 | 3 1/4 | 1/2 |
| PB100-5-AA | PBP100-5-AA | 1 | 5 | 1 | 1 5/8 | 2 | 2 5/16 | 4 15/16 | 5/8 |
| PB125-3-AA | PBP125-3-AA | 1 1/4 | 3 | 1 1/8 | 1 1/2 | 2 1/8 | 2 7/16 | 3 1/4 | 1/2 |
| PB125-5-AA | PBP125-5-AA | 1 1/4 | 5 | 1 1/8 | 1 5/8 | 2 3/8 | 2 11/16 | 4 15/16 | 5/8 |
| PB150-5-AA | PBP150-5-AA | 1 1/2 | 5 | 1 1/4 | 1 3/4 | 2 7/16 | 2 3/4 | 4 15/16 | 5/8 |
| PB200-5-AA | PBP200-5-AA | 2 | 5 | 1 1/2 | 1 3/4 | 2 3/4 | 3 1/16 | 4 15/16 | 5/8 |
| PB250-5-AA | PBP250-5-AA | 2 1/2 | 5 | 1 3/4 | 1 7/8 | 3 5/16 | 3 5/8 | 4 15/16 | 5/8 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2011, AFL, all rights reserved. PP-3-00390, Rev 1, 9.26.2025
Specifications are subject to change without notice.

# TYPE PL-AA

## Pipe Bus Support Slide or Tight Fit

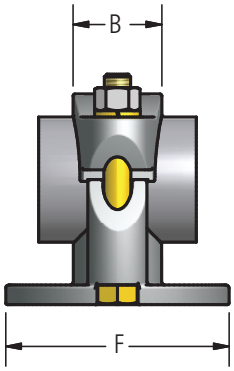


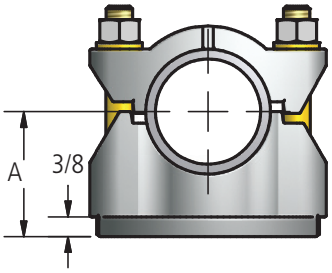
### Material

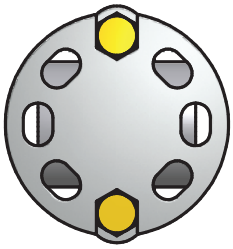
Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, and lockwashers.
Galvanized steel base mounting hardware is included.



### Ordering Information

| CATALOG NUMBER | SPS | BOLT CIRCLE | DIMENSIONS IN INCHES | | | |
|---|---|---|---|---|---|---|
| | | | A | B | F | Bolt Size |
| PL75-3-AA | 3/4 | 3 | 1 3/8 | 1 1/2 | 4 1/4 | 1/2 |
| PL75-5-AA | 3/4 | 5 | 1 | 1 1/2 | 6 1/4 | 1/2 |
| PL100-3-AA | 1 | 3 | 1 5/8 | 1 1/2 | 4 1/4 | 1/2 |
| PL100-5-AA | 1 | 5 | 1 1/8 | 1 1/2 | 6 1/4 | 1/2 |
| PL125-3-AA | 1 1/4 | 3 | 1 3/4 | 1 11/16 | 4 1/4 | 1/2 |
| PL125-5-AA | 1 1/4 | 5 | 1 3/8 | 1 11/16 | 6 1/4 | 1/2 |
| PL150-3-AA | 1 1/2 | 3 | 2 | 1 11/16 | 4 1/4 | 1/2 |
| PL150-5-AA | 1 1/2 | 5 | 1 1/2 | 1 11/16 | 6 1/4 | 1/2 |
| PL200-3-AA | 2 | 3 | 2 3/8 | 1 11/16 | 4 1/4 | 1/2 |
| PL200-5-AA | 2 | 5 | 2 1/4 | 1 11/16 | 6 1/4 | 1/2 |
| PL250-3-AA | 2 1/2 | 3 | 2 5/8 | 1 3/4 | 4 1/4 | 1/2 |
| PL250-5-AA | 2 1/2 | 5 | 2 1/2 | 1 3/4 | 6 1/4 | 1/2 |
| PL300-3-AA | 3 | 3 | 2 7/8 | 1 3/4 | 6 1/4 | 5/8 |
| PL300-5-AA | 3 1/2 | 5 | 3 | 1 3/4 | 6 1/4 | 5/8 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2011, AFL, all rights reserved. PP-3-00398, Rev 1, 9.26.2025
Specifications are subject to change without notice.

# TYPE PLH-AA

**Pipe Bus Support Sliding Ring**



## Material

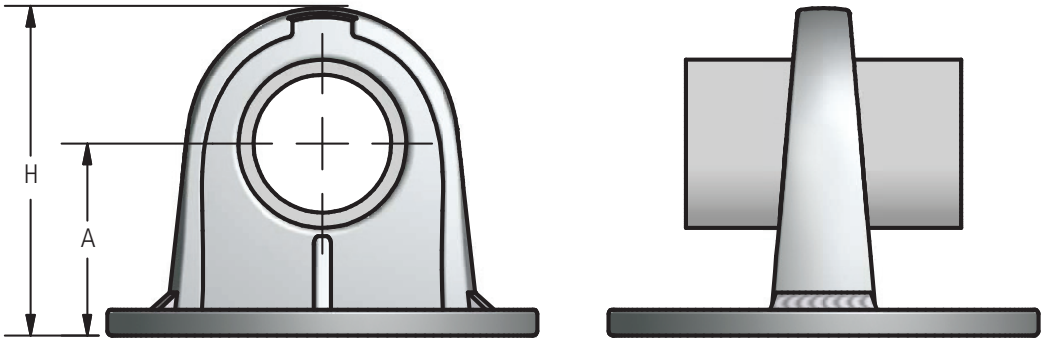
Aluminum Alloy

## Hardware

Galvanized steel mounting hardware included.

## Note

For Chatter Spring, add -CH to catalog number. Example: PLH300-3-CH-AA




## Ordering Information

| CATALOG NUMBER | SPS | BOLT CIRCLE | DIMENSIONS IN INCHES | |
|---|---|---|---|---|
| | | | A | H |
| PLH50-3-AA | 1/2 | 3 | 1-3/4 | 3 |
| PLH50-5-AA | 1/2 | 5 | 2-1/8 | 3-3/4 |
| PLH75-3-AA | 3/4 | 3 | 2 | 3-3/8 |
| PLH75-5-AA | 3/4 | 5 | 2-1/4 | 4-1/8 |
| PLH100-3-AA | 1 | 3 | 2 | 3-1/2 |
| PLH100-5-AA | 1 | 5 | 2-1/4 | 4-1/4 |
| PLH125-3-AA | 1-1/4 | 3 | 2-1/4 | 4 |
| PLH125-5-AA | 1-1/4 | 5 | 2-3/8 | 4 |
| PLH150-3-AA | 1-1/2 | 3 | 2-1/2 | 4-3/8 |
| PLH150-5-AA | 1-1/2 | 5 | 2-1/2 | 4-5/16 |
| PLH200-3-AA | 2 | 3 | 2-3/4 | 4-1/8 |
| PLH200-5-AA | 2 | 5 | 2-3/4 | 5-1/4 |
| PLH250-3-AA | 2-1/2 | 3 | 3-1/8 | 5-1/4 |
| PLH250-5-AA | 2-1/2 | 5 | 3-1/8 | 6 |
| PLH300-3-AA | 3 | 3 | 3-5/8 | 6-5/32 |
| PLH300-5-AA | 3 | 5 | 3-5/8 | 6-5/32 |
| PLH350-3-AA | 3-1/2 | 3 | 4 | 6-25/32 |
| PLH350-5-AA | 3-1/2 | 5 | 4 | 6-25/32 |
| PLH350-7-AA | 3-1/2 | 7 | 4-1/8 | 6-29/32 |
| PLH400-3-AA | 4 | 3 | 4-1/2 | 7-3/8 |
| PLH400-5-AA | 4 | 5 | 4-1/2 | 7-17/32 |
| PLH500-3-AA | 5 | 3 | 5 | 8-9/16 |
| PLH500-5-AA | 5 | 5 | 5 | 8-9/16 |
| PLH500-7-AA | 5 | 7 | 5-1/8 | 8-11/16 |
| PLH600-5-AA | 6 | 5 | 5-1/2 | 9-7/16 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2011, AFL, all rights reserved. PP-3-00400, Rev 8, 5.11.2026
Specifications are subject to change without notice.

# TYPE PSC-AA

## Pipe Bus Support Coupler



A bus support coupler for joining and supporting two tubular buses on a post type insulator. Designed for a high resistance to impact or sustained cantilever and torsional stresses. Nuts and bolts are furnished for base mounting.

### Material

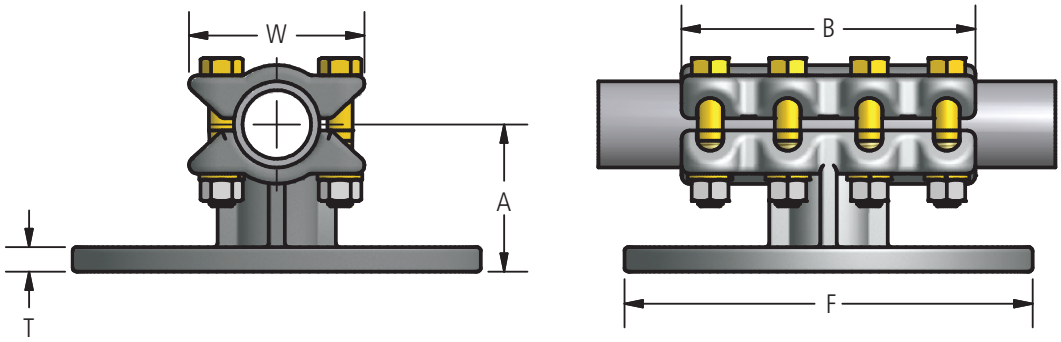
Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, and lockwashers.

### Note

For base mounting dimensions and hardware see page 3 in the general catalog index.




### Ordering Information

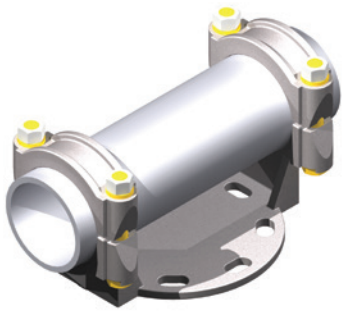
| CATALOG NUMBER | SPS | BOLT CIRCLE | DIMENSIONS IN INCHES | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | A | B | F | T | W | BOLT SIZE |
| PSC50-3-AA | 1/2 | 3 | 1 3/4 | 5 1/4 | 4 1/4 | 3/8 | 2 3/4 | 1/2 |
| PSC50-5-AA | 1/2 | 5 | 2 1/8 | 5 1/4 | 6 1/4 | 3/8 | 2 3/4 | 1/2 |
| PSC75-3-AA | 3/4 | 3 | 2 | 5 3/4 | 4 1/4 | 3/8 | 2 13/16 | 1/2 |
| PSC75-5-AA | 3/4 | 5 | 2 1/4 | 5 3/4 | 6 1/4 | 3/8 | 2 13/16 | 1/2 |
| PSC100-3-AA | 1 | 3 | 2 | 5 3/4 | 4 1/4 | 3/8 | 3 1/16 | 1/2 |
| PSC100-5-AA | 1 | 5 | 2 1/4 | 5 3/4 | 6 1/4 | 3/8 | 3 1/16 | 1/2 |
| PSC125-3-AA | 1 1/4 | 3 | 2 1/4 | 6 1/4 | 4 1/4 | 3/8 | 3 13/32 | 1/2 |
| PSC125-5-AA | 1 1/4 | 5 | 2 3/8 | 6 1/4 | 6 1/4 | 3/8 | 3 13/32 | 1/2 |
| PSC150-3-AA | 1 1/2 | 3 | 2 1/2 | 6 1/4 | 4 1/4 | 3/8 | 4 5/16 | 1/2 |
| PSC150-5-AA | 1 1/2 | 5 | 2 1/2 | 6 1/4 | 6 1/4 | 3/8 | 4 5/16 | 1/2 |
| PSC200-3-AA | 2 | 3 | 2 3/4 | 6 3/4 | 4 1/4 | 3/8 | 4 1/4 | 1/2 |
| PSC200-5-AA | 2 | 5 | 2 3/4 | 6 3/4 | 6 1/4 | 3/8 | 4 1/4 | 1/2 |
| PSC250-3-AA | 2 1/2 | 3 | 3 1/8 | 6 3/4 | 4 1/4 | 3/8 | 4 5/8 | 1/2 |
| PSC250-5-AA | 2 1/2 | 5 | 3 1/8 | 6 3/4 | 6 1/4 | 3/8 | 4 5/8 | 1/2 |
| PSC300-3-AA | 3 | 3 | 3 5/8 | 7 1/4 | 4 1/4 | 3/8 | 5 1/2 | 5/8 |
| PSC300-5-AA | 3 | 5 | 3 5/8 | 7 1/4 | 6 1/4 | 3/8 | 5 1/2 | 5/8 |
| PSC350-3-AA | 3 1/2 | 3 | 4 | 7 1/4 | 4 1/4 | 7/16 | 6 | 5/8 |
| PSC350-5-AA | 3 1/2 | 5 | 4 | 7 1/4 | 6 1/4 | 7/16 | 6 | 5/8 |
| PSC400-3-AA | 4 | 3 | 4 1/2 | 7 1/4 | 4 1/4 | 7/16 | 6 1/2 | 5/8 |
| PSC400-5-AA | 4 | 5 | 4 1/2 | 7 1/4 | 6 1/4 | 7/16 | 6 1/2 | 5/8 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2011, AFL, all rights reserved. PP-3-00403, Rev 1, 9.26.2025
Specifications are subject to change without notice.

# TYPE PSD-AA, PSD-CH-AA

## Bus Support, Pipe, Slide or Tight Fit



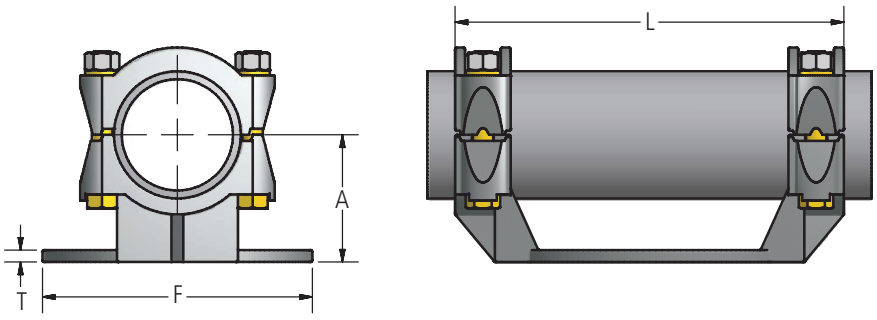
Bolted clamp type support, for pipe-to-pipe connection, with reversible tight or rigid fit.

### Material
Aluminum Alloy

### Hardware
Yellow anodized aluminum bolts, nuts and lockwashers

Galvanized steel base mounting hardware included

### Notes
- For Chatter Spring, add "-CH" to catalog number. EX: PSD400-3-CH-AA
- For Grade Five Galvanized Steel Hardware, add "-GS5" to catalog number. EX: PSD400-5-AA-GS5
- For Stainless Steel bolts, lockwashers and Everdur nuts, add "-SSHBN" to catalog number. EX: PSD400-3-AA-SSBHN
- For base mounting dimensions and hardware, see page 3 in the general catalog index of AFL's Substation Catalog or page 46 of the Swage Accessories Catalog.




### Ordering Information

| CATALOG NUMBER | | SPS | BOLT CIRCLE | DIMENSIONS (inches) | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|
| STANDARD | CHATTER SPRING | | | A | F | L | T | |
| PSD75-3-AA | PSD75-3-CH-AA | 3/4 | 3 | 2 | 4-1/4 | 6-3/4 | 3/8 | 1/2 |
| PSD75-5-AA | PSD75-5-CH-AA | 3/4 | 5 | 2-1/4 | 6-1/4 | 9 | 3/8 | 1/2 |
| PSD100-3-AA | PSD100-3-CH-AA | 1 | 3 | 2 | 4-1/4 | 7 | 3/8 | 1/2 |
| PSD100-5-AA | PSD100-5-CH-AA | 1 | 5 | 2-1/4 | 6-1/4 | 9 | 3/8 | 1/2 |
| PSD125-3-AA | PSD125-3-CH-AA | 1-1/4 | 3 | 2-1/4 | 4-1/4 | 7-1/4 | 3/8 | 1/2 |
| PSD125-5-AA | PSD125-5-CH-AA | 1-1/4 | 5 | 2-3/8 | 6-1/4 | 9-1/2 | 3/8 | 1/2 |
| PSD150-3-AA | PSD150-3-CH-AA | 1-1/2 | 3 | 2-1/2 | 4-1/4 | 7-1/4 | 3/8 | 1/2 |
| PSD150-5-AA | PSD150-5-CH-AA | 1-1/2 | 5 | 2-1/2 | 6-1/4 | 9-1/2 | 3/8 | 1/2 |
| PSD200-3-AA | PSD200-3-CH-AA | 2 | 3 | 2-3/4 | 4-1/4 | 7-1/4 | 3/8 | 1/2 |
| PSD200-5-AA | PSD200-5-CH-AA | 2 | 5 | 2-3/4 | 6-1/4 | 9-1/2 | 3/8 | 1/2 |
| PSD250-3-AA | PSD250-3-CH-AA | 2-1/2 | 3 | 3-1/8 | 4-1/4 | 7-3/4 | 3/8 | 1/2 |
| PSD250-5-AA | PSD250-5-CH-AA | 2-1/2 | 5 | 3-1/8 | 6-1/4 | 10 | 3/8 | 1/2 |
| PSD300-3-AA | PSD300-3-CH-AA | 3 | 3 | 3-5/8 | 4-1/4 | 7-3/4 | 3/8 | 5/8 |
| PSD300-5-AA | PSD300-5-CH-AA | 3 | 5 | 3-5/8 | 6-1/4 | 10 | 3/8 | 5/8 |
| PSD300-7-AA | PSD300-7-CH-AA | 3 | 7 | 3-5/8 | 8-1/2 | 12-1/4 | 1/2 | 5/8 |
| PSD350-3-AA | PSD350-3-CH-AA | 3-1/2 | 3 | 4 | 4-1/4 | 7-3/4 | 3/8 | 5/8 |
| PSD350-5-AA | PSD350-5-CH-AA | 3-1/2 | 5 | 4 | 6-1/4 | 10 | 3/8 | 5/8 |
| PSD350-7-AA | PSD350-7-CH-AA | 3-1/2 | 7 | 4 | 8-1/2 | 12 | 1/2 | 5/8 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

*continued*

© 2011, AFL, all rights reserved. PP-3-00405 , Revision 4, 9.26.2025
Specifications are subject to change without notice.

# TYPE PSD-AA, PSD-CH-AA

**Bus Support, Pipe, Slide or Tight Fit**

## Ordering Information

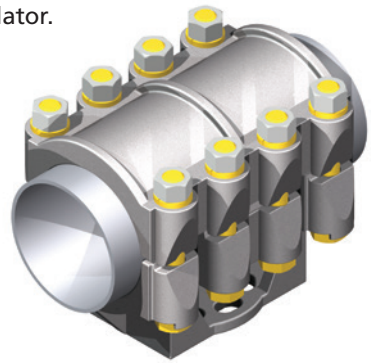
| CATALOG NUMBER | | S.P.S. | BOLT CIRCLE | DIMENSIONS (inches) | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|
| STANDARD | CHATTER SPRING | | | A | F | L | T | |
| PSD400-3-AA | PSD400-3-CH-AA | 4 | 3 | 4-1/2 | 4-1/4 | 7-3/4 | 1/2 | 5/8 |
| PSD400-5-AA | PSD400-5-CH-AA | 4 | 5 | 4-1/2 | 6-1/4 | 10 | 1/2 | 5/8 |
| PSD400-7-AA | PSD400-7-CH-AA | 4 | 7 | 4-1/2 | 8-1/2 | 12-1/4 | 1/2 | 5/8 |
| PSD450-3-AA | PSD450-3-CH-AA | 4-1/2 | 3 | 4-3/4 | 4-1/4 | 8 | 1/2 | 5/8 |
| PSD450-5-AA | PSD450-5-CH-AA | 4-1/2 | 5 | 4-3/4 | 6-1/4 | 10 | 1/2 | 5/8 |
| PSD450-7-AA | PSD450-7-CH-AA | 4-1/2 | 7 | 4-3/4 | 8-1/2 | 12-3/4 | 5/8 | 5/8 |
| PSD500-3-AA | PSD500-3-CH-AA | 5 | 3 | 5 | 4-1/4 | 8 | 1/2 | 5/8 |
| PSD500-5-AA | PSD500-5-CH-AA | 5 | 5 | 5 | 6-1/4 | 10 | 1/2 | 5/8 |
| PSD500-7-AA | PSD500-7-CH-AA | 5 | 7 | 5 | 8-1/2 | 12-3/4 | 1/2 | 5/8 |
| PSD600-3-AA | PSD600-3-CH-AA | 6 | 3 | 5-1/2 | 4-1/4 | 8-1/4 | 1/2 | 5/8 |
| PSD600-5-AA | PSD600-5-CH-AA | 6 | 5 | 5-1/2 | 6-1/4 | 10-1/2 | 1/2 | 5/8 |
| PSD600-7-AA | PSD600-7-CH-AA | 6 | 7 | 5-1/2 | 8-1/2 | 12-3/4 | 1/2 | 5/8 |
| PSD800-5-AA | PSD800-5-CH-AA | 8 | 5 | 6-7/8 | 6-1/4 | 10-1/2 | 1/2 | 5/8 |
| PSD800-7-AA | PSD800-7-CH-AA | 8 | 7 | 6-7/8 | 8-1/2 | 12-3/4 | 1/2 | 5/8 |

© 2011, AFL, all rights reserved. PP-3-00405 , Revision 4, 9.26.2025
Specifications are subject to change without notice.

# TYPE PSDC-AA

**Bus Support, Pipe, Slide or Tight Fit**

A bus support coupler for joining and supporting two tubular buses on a post type insulator. Designed for high resistance to impact and cantilever and torsional stresses.



## Material

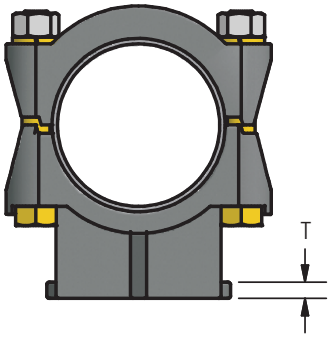
Aluminum Alloy

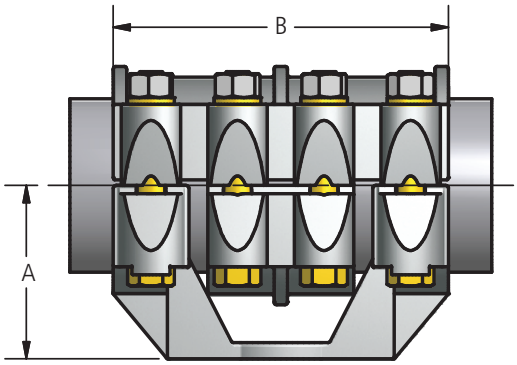
## Hardware

Yellow anodized aluminum nuts, bolts and lockwashers.
Galvanized steel mounting hardware included.

## Note

For base mounting dimensions and hardware see page 3 in the general catalog index.




AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

## Ordering Information

| Catalog Number | SPS | Bolt Circle | Dimensions in inches | | | |
|---|---|---|---|---|---|---|
| | | | A | B | T | Bolt Size |
| PSDC75-3-AA | 3/4 | 3 | 2 | 6 3/4 | 3/8 | 1/2 |
| PSDC75-5-AA | 3/4 | 5 | 2 1/4 | 9 | 3/8 | 1/2 |
| PSDC100-3-AA | 1 | 3 | 2 | 7 | 3/8 | 1/2 |
| PSDC100-5-AA | 1 | 5 | 2 1/4 | 7 1/4 | 3/8 | 1/2 |
| PSDC125-3-AA | 1 1/4 | 3 | 2 1/4 | 7 1/4 | 3/8 | 1/2 |
| PSDC125-5-AA | 1 1/4 | 5 | 2 3/8 | 9 1/2 | 3/8 | 1/2 |
| PSDC150-3-AA | 1 1/2 | 3 | 2 1/2 | 7 1/4 | 3/8 | 1/2 |
| PSDC150-5-AA | 1 1/2 | 5 | 2 1/2 | 9 1/2 | 3/8 | 1/2 |
| PSDC200-3-AA | 2 | 3 | 2 3/4 | 7 1/4 | 3/8 | 1/2 |
| PSDC200-5-AA | 2 | 5 | 2 3/4 | 9 1/2 | 3/8 | 1/2 |
| PSDC250-3-AA | 2 1/2 | 3 | 3 1/8 | 7 3/4 | 3/8 | 1/2 |
| PSDC250-5-AA | 2 1/2 | 5 | 3 1/8 | 10 | 3/8 | 1/2 |
| PSDC300-3-AA | 3 | 3 | 3 5/8 | 7 3/4 | 3/8 | 5/8 |
| PSDC300-5-AA | 3 | 5 | 3 5/8 | 10 | 3/8 | 5/8 |
| PSDC300-7-AA | 3 | 7 | 3 5/8 | 12 1/4 | 1/2 | 5/8 |
| PSDC350-3-AA | 3 1/2 | 3 | 4 | 7 3/4 | 3/8 | 5/8 |
| PSDC350-5-AA | 3 1/2 | 5 | 4 | 10 | 3/8 | 5/8 |
| PSDC350-7-AA | 3 1/2 | 7 | 4 | 12 1/4 | 1/2 | 5/8 |
| PSDC400-3-AA | 4 | 3 | 4 1/2 | 7 3/4 | 1/2 | 5/8 |
| PSDC400-5-AA | 4 | 5 | 4 1/2 | 10 | 3/8 | 5/8 |
| PSDC400-7-AA | 4 | 7 | 4 1/2 | 12 1/4 | 1/2 | 5/8 |
| PSDC500-3-AA | 5 | 3 | 5 | 8 1/4 | 1/2 | 5/8 |
| PSDC500-5-AA | 5 | 5 | 5 | 10 1/2 | 1/2 | 5/8 |
| PSDC500-7-AA | 5 | 7 | 5 | 12 3/4 | 5/8 | 5/8 |
| PSDC600-3-AA | 6 | 3 | 5 1/2 | 7 3/4 | 1/2 | 5/8 |
| PSDC600-5-AA | 6 | 5 | 5 1/2 | 10 | 1/2 | 5/8 |
| PSDC600-7-AA | 6 | 7 | 5 1/2 | 12 3/4 | 5/8 | 5/8 |

© 2011, AFL, all rights reserved. PP-3-00406, Rev 2, 5.11.2026
Specifications are subject to change without notice.

# TYPE PSDCS-AA



### Bus Support, Pipe, Slide or Tight Fit

The bus support is supplied with chatter springs to reduce chatter. The support can be used as a sliding support or fixed support.

### Material

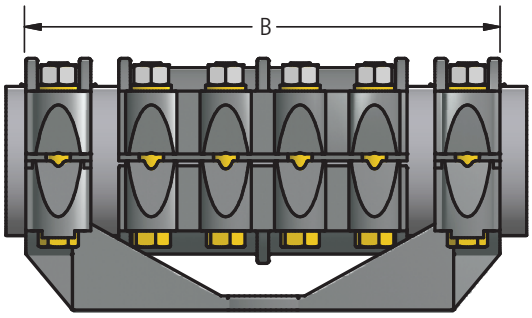
Aluminum Alloy

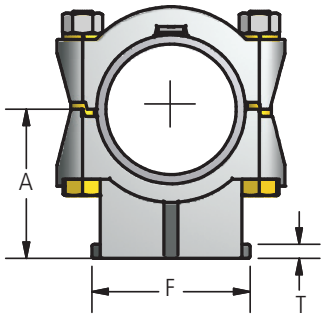
### Hardware

Yellow anodized aluminum nuts, bolts and lockwashers. Galvanized steel mounting hardware included.

### Note

For base mounting dimensions and hardware see page 3 in the general catalog index.




AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

### Ordering Information

| CATALOG NUMBER | SPS | BOLT CIRCLE | DIMENSIONS IN INCHES | | | | |
|---|---|---|---|---|---|---|---|
| | | | A | B | F | T | BOLT SIZE |
| PSDCS75-3-AA | 3/4 | 3 | 2 | 6 3/4 | 4 1/4 | 3/8 | 1/2 |
| PSDCS75-5-AA | 3/4 | 5 | 2 1/4 | 9 | 6 1/4 | 3/8 | 1/2 |
| PSDCS100-3-AA | 1 | 3 | 2 | 7 | 4 1/4 | 3/8 | 1/2 |
| PSDCS100-5-AA | 1 | 5 | 2 1/4 | 7 1/4 | 6 1/4 | 3/8 | 1/2 |
| PSDCS125-3-AA | 1 1/4 | 3 | 2 1/4 | 7 1/4 | 4 1/4 | 3/8 | 1/2 |
| PSDCS125-5-AA | 1 1/4 | 5 | 2 3/8 | 9 1/2 | 6 1/4 | 3/8 | 1/2 |
| PSDCS150-3-AA | 1 1/2 | 3 | 2 1/2 | 7 1/4 | 4 1/4 | 3/8 | 1/2 |
| PSDCS150-5-AA | 1 1/2 | 5 | 2 1/2 | 9 1/2 | 6 1/4 | 3/8 | 1/2 |
| PSDCS200-3-AA | 2 | 3 | 2 3/4 | 7 1/4 | 4 1/4 | 3/8 | 1/2 |
| PSDCS200-5-AA | 2 | 5 | 2 3/4 | 9 1/2 | 6 1/4 | 3/8 | 1/2 |
| PSDCS250-3-AA | 2 1/2 | 3 | 3 1/8 | 7 3/4 | 4 1/4 | 3/8 | 1/2 |
| PSDCS250-5-AA | 2 1/2 | 5 | 3 1/8 | 10 | 6 1/4 | 3/8 | 1/2 |
| PSDCS300-3-AA | 3 | 3 | 3 5/8 | 7 3/4 | 4 1/4 | 3/8 | 5/8 |
| PSDCS300-5-AA | 3 | 5 | 3 5/8 | 10 | 6 1/4 | 3/8 | 5/8 |
| PSDCS300-7-AA | 3 | 7 | 3 5/8 | 12 1/4 | 8 1/2 | 1/2 | 5/8 |
| PSDCS350-3-AA | 3 1/2 | 3 | 4 | 7 3/4 | 4 1/4 | 3/8 | 5/8 |
| PSDCS350-5-AA | 3 1/2 | 5 | 4 | 10 | 6 1/4 | 3/8 | 5/8 |
| PSDCS350-7-AA | 3 1/2 | 7 | 4 | 12 1/4 | 8 1/2 | 1/2 | 5/8 |
| PSDCS400-3-AA | 4 | 3 | 4 1/2 | 7 3/4 | 4 1/4 | 1/2 | 5/8 |
| PSDCS400-5-AA | 4 | 5 | 4 1/2 | 10 | 6 1/4 | 1/2 | 5/8 |
| PSDCS400-7-AA | 4 | 7 | 4 1/2 | 12 1/4 | 8 1/2 | 1/2 | 5/8 |
| PSDCS500-3-AA | 5 | 3 | 5 | 8 1/4 | 4 1/4 | 1/2 | 5/8 |
| PSDCS500-5-AA | 5 | 5 | 5 | 10 1/2 | 6 1/4 | 1/2 | 5/8 |
| PSDCS500-7-AA | 5 | 7 | 5 | 12 3/4 | 8 1/2 | 5/8 | 5/8 |
| PSDCS600-3-AA | 6 | 3 | 5 1/2 | 7 3/4 | 4 1/4 | 1/2 | 5/8 |
| PSDCS600-5-AA | 6 | 5 | 5 1/2 | 10 | 6 1/4 | 1/2 | 5/8 |
| PSDCS600-7-AA | 6 | 7 | 5 1/2 | 12 1/4 | 8 1/2 | 1/2 | 5/8 |

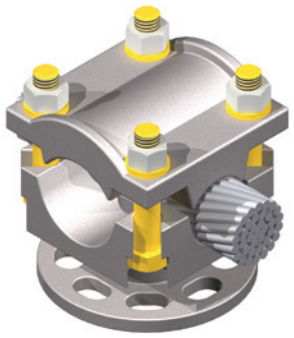
© 2011, AFL, all rights reserved. PP-3-00407, Rev 1, 9.26.2025
Specifications are subject to change without notice.

# 230 kV Aluminum Bolted Bus Supports

## DOSSERT®

## TYPE PSG-AA

**Cable, Bus Support**



### Material

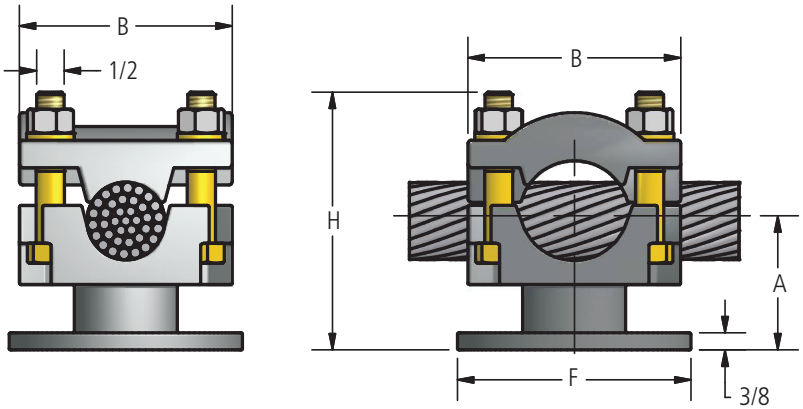
Aluminum Alloy

### Hardware

Yellow anodized aluminum nuts, bolts, and lockwashers.
Galvanized steel base mounting hardware is included.

### Notes

For base mounting dimensions and hardware see page 3 in the general catalog index.




## Ordering Information

| CATALOG NUMBER | AAC CABLE RANGE | | BUS RANGE (OD) IN INCHES | | BOLT CIRCLE | DIMENSIONS IN INCHES | | | | CANTILEVER FORCE LBS | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MIN. | MAX. | MIN. | MAX. | | A | B | F | H | ALLOWABLE | ULTIMATE |
| PSG81-3-AA | #4 | 500MCM | 7/16 | 1 5/16 | 3 | 1 9/16 | 2 3/8 | 4 1/4 | 2 3/8 | - | - |
| PSG131-3-AA | 3/0STR | 1250MCM | 7/16 | 1 5/16 | 3 | 2 1/8 | 3 1/8 | 4 1/4 | 3 11/16 | 2310 | 3340 |
| PSG131-5-AA | 3/0STR | 1250MCM | 7/16 | 1 5/16 | 5 | 2 1/8 | 3 1/8 | 6 1/4 | 3 11/16 | 4490 | 6480 |
| PSG199-3-AA | 750MCM | 2870MCM | 1 | 2 | 3 | 2 5/8 | 3 7/8 | 4 1/4 | 4 5/8 | 2410 | 3480 |
| PSG199-5-AA | 750MCM | 2870MCM | 1 | 2 | 5 | 2 5/8 | 3 7/8 | 6 1/4 | 4 5/8 | 4720 | 6820 |
| PSG199-7-AA | 750MCM | 2870MCM | 1 | 2 | 7 | 2 5/8 | 3 7/8 | 8 1/2 | 4 5/8 | - | - |



© 2011, AFL, all rights reserved. PP-3-00409, 1.12.11
Specifications are subject to change without notice.

# 230 kV Aluminum Bolted Bus Supports

## DOSSERT®

## TYPE PSRE-AA

### Low Mounting Variable Bus Support for Cable/Pipe



A cost effective low mounting variable bus support clamp. The wide range of conductor sizes accommodated by each clamp size minimizes the number of clamps to cover a given range of bus sizes.

### Material

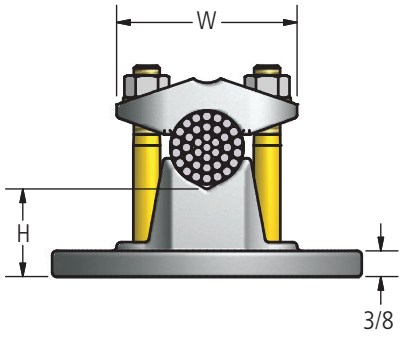
Aluminum Alloy

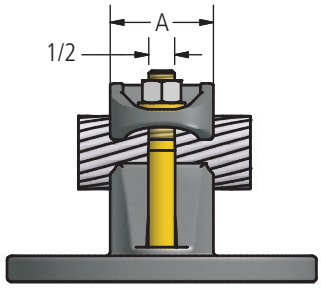
### Hardware

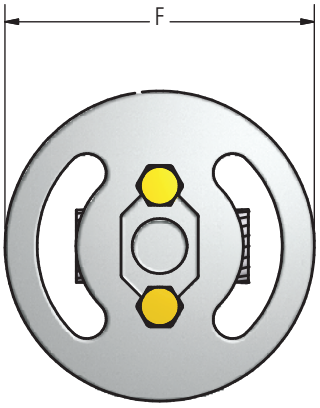
Yellow anodized aluminum nuts, bolts, and lockwashers.
Galvanized steel base mounting hardware is included.

### Notes

For base mounting dimensions and hardware see page 3 in the general catalog index.




## Ordering Information

| CATALOG NUMBER | CONDUCTOR RANGE | | SPS/EHPS | | DIAMETER | | BOLT CIRCLE | DIMENSIONS IN INCHES | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MIN | MAX | MIN | MAX | MIN | MAX | | A | F | H | W |
| PSRE75-3-AA | #2 STR | 800 MCM | 1/2 | 3/4 | 1/4 | 1 1/16 | 3 | 1 1/2 | 4 1/4 | 1 | 2 13/16 |
| PSRE75-5-AA | #2 STR | 800 MCM | 1/2 | 3/4 | 1/4 | 1 1/16 | 5 | 1 1/2 | 6 1/4 | 1 | 2 13/16 |
| PSRE125-3-AA | 556.5 MCM | 2000 MCM | 3/4 | 1 1/4 | 13/16 | 1 11/16 | 3 | 1 3/4 | 4 1/4 | 1 | 3 7/16 |
| PSRE125-5-AA | 556.5 MCM | 2000 MCM | 3/4 | 1 1/4 | 13/16 | 1 11/16 | 5 | 1 3/4 | 6 1/4 | 1 | 3 7/16 |
| PSRE159-3-AA | 1/0 STR | 1590 MCM | 1/2 | 1 | 3/8 | 1 5/11 | 3 | 1 5/8 | 4 1/4 | 1 5/8 | 2 3/4 |
| PSRE159-5-AA | 1/0 STR | 1590 MCM | 1/2 | 1 | 3/8 | 1 5/11 | 5 | 1 5/8 | 6 1/4 | 1 5/8 | 2 3/4 |
| PSRE159-7-AA | 1/0 STR | 1590 MCM | 1/2 | 1 | 3/8 | 1 5/11 | 7 | 1 5/8 | 8 1/2 | 1 5/8 | 2 3/4 |
| PSRE200-3-AA | 2000 MCM | 3500 MCM | 1 1/4 | 2 | 1 5/8 | 2 3/8 | 3 | 1 3/4 | 4 1/4 | 1 | 4 1/8 |
| PSRE200-5-AA | 2000 MCM | 3500 MCM | 1 1/4 | 2 | 1 5/8 | 2 3/8 | 5 | 1 3/4 | 6 1/4 | 1 | 4 1/8 |

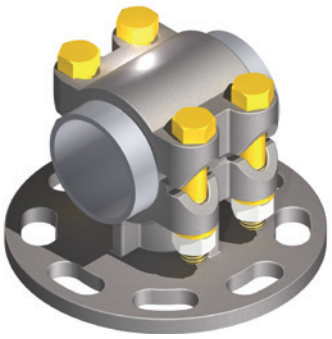


© 2011, AFL, all rights reserved. PP-3-00412, 1.12.11
Specifications are subject to change without notice.

# TYPE PSS-AA, PSS-CH-AA

### Pipe Bus Support Slide or Tight Fit

A high strength aluminum support for securing a tubular bus to a post or pedestal type insulator. Designed with a high resistance to impact and sustained cantilever and torsion stresses. Entire unit is non-magnetic and corrosion resistant. Nuts and bolts are furnished for base mounting or slotted mounting. Reversible cap permits rigid or slip fit on conductor.



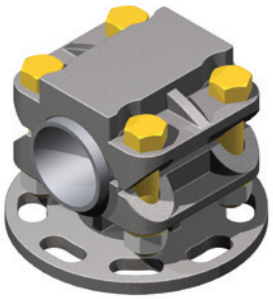
PSS-AA

### Material

Aluminum Alloy

### Hardware

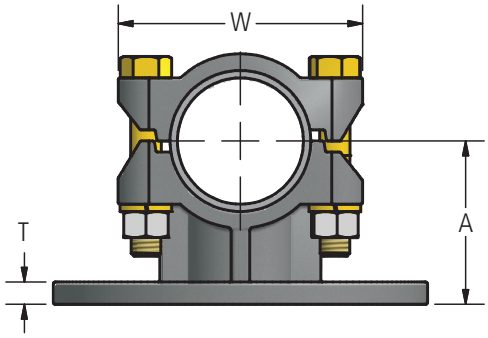
Yellow anodized aluminum bolts, nuts, and lockwashers. Galvanized steel base mounting hardware is included.

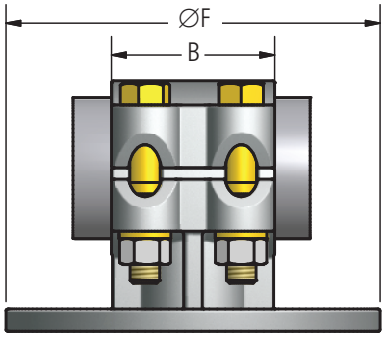


PSS-CH-AA

### Note

For base mounting dimensions and hardware see page 3 in the general catalog index.



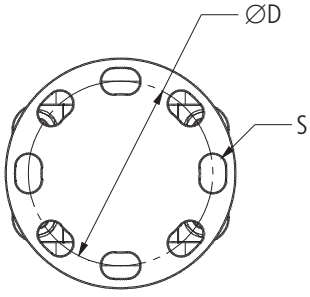




FIG. 1

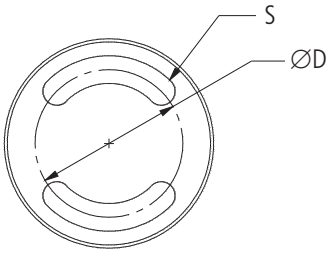



FIG. 2

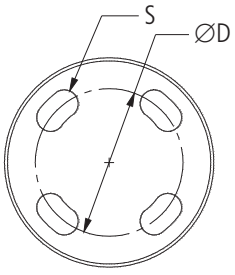



FIG. 3

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2011, AFL, all rights reserved. PP-3-00413, Rev 6, 4.20.2026
Specifications are subject to change without notice.

# TYPE PSS-AA, PSS-CH-AA

**Pipe Bus Support Slide or Tight Fit**

## Ordering Information

| CATALOG NUMBER | | SPS | FIG. NO. | DIMENSIONS IN INCHES | | | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| STANDARD | WITH CHATTER SPRING | | | A | B | D | F | S | T | W | |
| PSS50-3-AA | PSS50-3-CH-AA | 1/2 | 2 | 1.75 | 2.06 | 3.00 | 4.25 | 0.50 | 0.38 | 2.41 | 1/2 |
| PSS50-5-AA | PSS50-5-CH-AA | 1/2 | 1 | 2.13 | 2.50 | 5.00 | 6.25 | 0.69 | 0.38 | 2.63 | 1/2 |
| PSS75-3-AA | PSS75-3-CH-AA | 3/4 | 1 | 2.00 | 2.75 | 3.00 | 4.25 | 0.56 | 0.38 | 2.81 | 1/2 |
| PSS75-5-AA | PSS75-5-CH-AA | 3/4 | 1 | 2.25 | 2.75 | 5.00 | 6.25 | 0.69 | 0.38 | 2.81 | 1/2 |
| PSS100-3-AA | PSS100-3-CH-AA | 1 | 1 | 2.00 | 2.75 | 3.00 | 4.25 | 0.56 | 0.38 | 3.06 | 1/2 |
| PSS100-5-AA | PSS100-5-CH-AA | 1 | 1 | 2.25 | 2.75 | 5.00 | 6.25 | 0.69 | 0.38 | 3.06 | 1/2 |
| PSS125-3-AA | PSS125-3-CH-AA | 1 1/4 | 3 | 2.25 | 3.00 | 3.00 | 4.25 | 0.56 | 0.38 | 3.75 | 1/2 |
| PSS125-5-AA | PSS125-5-CH-AA | 1 1/4 | 1 | 2.38 | 3.00 | 5.00 | 6.25 | 0.69 | 0.38 | 3.41 | 1/2 |
| PSS150-3-AA | PSS150-3-CH-AA | 1 1/2 | 1 | 2.50 | 3.00 | 3.00 | 4.25 | 0.56 | 0.38 | 3.66 | 1/2 |
| PSS150-5-AA | PSS150-5-CH-AA | 1 1/2 | 1 | 2.50 | 3.00 | 5.00 | 6.25 | 0.69 | 0.38 | 3.66 | 1/2 |
| PSS200-3-AA | PSS200-3-CH-AA | 2 | 1 | 2.75 | 3.25 | 3.00 | 4.25 | 0.56 | 0.38 | 4.13 | 1/2 |
| PSS200-5-AA | PSS200-5-CH-AA | 2 | 1 | 2.75 | 3.25 | 5.00 | 6.25 | 0.69 | 0.38 | 4.13 | 1/2 |
| PSS250-3-AA | PSS250-3-CH-AA | 2 1/2 | 1 | 3.13 | 3.25 | 3.00 | 4.25 | 0.56 | 0.38 | 4.63 | 1/2 |
| PSS250-5-AA | PSS250-5-CH-AA | 2 1/2 | 1 | 3.13 | 3.25 | 5.00 | 6.25 | 0.69 | 0.38 | 4.63 | 1/2 |
| PSS300-3-AA | PSS300-3-CH-AA | 3 | 1 | 3.63 | 3.75 | 3.00 | 4.25 | 0.56 | 0.44 | 4.63 | 5/8 |
| PSS300-5-AA | PSS300-5-CH-AA | 3 | 1 | 3.63 | 3.75 | 5.00 | 6.25 | 0.69 | 0.44 | 4.63 | 5/8 |
| PSS350-3-AA | PSS350-3-CH-AA | 3 1/2 | 1 | 4.00 | 3.75 | 3.00 | 4.25 | 0.56 | 0.38 | 6.38 | 5/8 |
| PSS350-5-AA | PSS350-5-CH-AA | 3 1/2 | 1 | 4.13 | 3.75 | 5.00 | 6.25 | 0.69 | 0.50 | 6.38 | 5/8 |
| PSS350-7-AA | PSS350-7-CH-AA | 3 1/2 | 1 | 4.13 | 3.75 | 7.00 | 8.25 | 0.81 | 0.50 | 6.38 | 3/4 |
| PSS400-3-AA | PSS400-3-CH-AA | 4 | 1 | 4.38 | 5.25 | 3.00 | 4.25 | 0.56 | 0.38 | 7.63 | 3/4 |
| PSS400-5-AA | PSS400-5-CH-AA | 4 | 1 | 4.50 | 3.75 | 5.00 | 6.25 | 0.69 | 0.50 | 7.13 | 5/8 |
| PSS400-7-AA | PSS400-7-CH-AA | 4 | 1 | 4.50 | 3.75 | 7.00 | 8.25 | 0.81 | 0.50 | 6.63 | 3/4 |
| PSS400-5-4.75H-AA | PSS400-5-4.75H-CH-AA | 4 | 1 | 4.75 | 3.75 | 5.00 | 6.25 | 0.69 | 0.44 | 6.63 | 5/8 |
| PSS400-5-5.0H-AA | PSS400-5-5.0H-CH-AA | 4 | 1 | 5.00 | 3.75 | 5.00 | 6.25 | 0.69 | 0.44 | 6.63 | 5/8 |
| PSS450-3-AA | PSS450-3-CH-AA | 4 1/2 | 1 | 4.75 | 3.75 | 3.00 | 4.25 | 0.56 | 0.44 | 7.13 | 5/8 |
| PSS450-5-AA | PSS450-5-CH-AA | 4 1/2 | 1 | 4.75 | 3.75 | 5.00 | 6.25 | 0.69 | 0.44 | 7.13 | 5/8 |
| PSS500-3-AA | PSS500-3-CH-AA | 5 | 1 | 5.00 | 3.75 | 3.00 | 4.25 | 0.56 | 0.38 | 7.69 | 5/8 |
| PSS500-5-AA | PSS500-5-CH-AA | 5 | 1 | 5.00 | 3.75 | 5.00 | 6.25 | 0.69 | 0.50 | 7.69 | 5/8 |
| PSS500-7-AA | PSS500-7-CH-AA | 5 | 1 | 5.00 | 3.75 | 7.00 | 8.50 | 0.81 | 0.50 | 7.69 | 5/8 |
| PSS600-5-AA | PSS600-5-CH-AA | 6 | 1 | 6.00 | 4.00 | 5.00 | 6.25 | 0.69 | 0.50 | 8.75 | 5/8 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

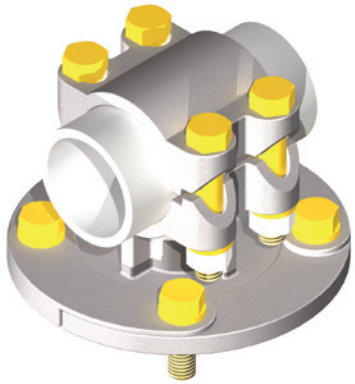
© 2011, AFL, all rights reserved. PP-3-00413, Rev 6, 4.20.2026
Specifications are subject to change without notice.



AFL | AFLglobal.com
1 (800) 890-8878

# TYPE PSSR-AA, PSSR-CH-AA

## Tubular Bus Support



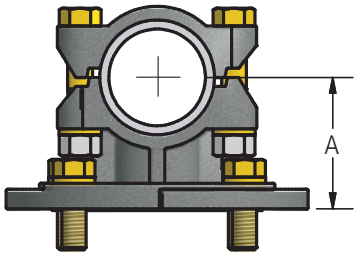
An aluminum support for securing a tubular bus to a post or pedestal type insulator. Fully adjustable to any angle within a complete circle (360°) with the advantage of four bolts maintaining angular setting as well as mounting pressure. Reversible cap permits rigid or slip fit on conductor. Unless otherwise specified cap screws are supplied.

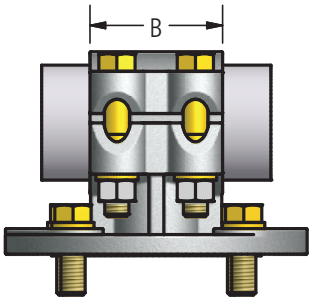
### Material

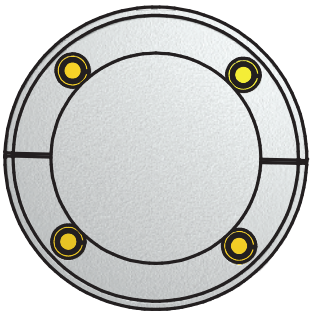
Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, and lockwashers.
Galvanized steel base mounting hardware is included.



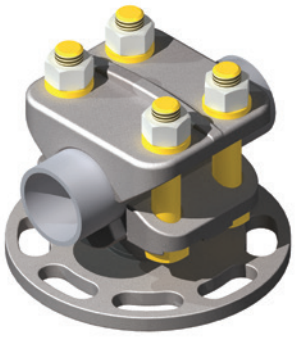
### Ordering Information

| CATALOG NUMBER | | SPS | BOLT CIRCLE | DIMENSIONS IN INCHES | | | |
|---|---|---|---|---|---|---|---|
| | | | | | | BOLT SIZE | |
| STANDARD | WITH CHATTER SPRING | | | A | B | CAP | BASE |
| PSSR50-3-AA | PSSR50-3-CH-AA | 1/2 | 3 | 1-3/4 | 2-1/8 | 3/8 | 1/2 |
| PSSR50-5-AA | PSSR50-5-CH-AA | 1/2 | 5 | 2-1/8 | 2-1/8 | 3/8 | 5/8 |
| PSSR75-3-AA | PSSR75-3-CH-AA | 3/4 | 3 | 2 | 2-1/8 | 3/8 | 1/2 |
| PSSR75-5-AA | PSSR75-5-CH-AA | 3/4 | 5 | 2-1/4 | 2-1/8 | 3/8 | 5/8 |
| PSSR100-3-AA | PSSR100-3-CH-AA | 1 | 3 | 2 | 2-1/8 | 3/8 | 1/2 |
| PSSR100-5-AA | PSSR100-5-CH-AA | 1 | 5 | 2-1/4 | 2-1/8 | 3/8 | 5/8 |
| PSSR125-3-AA | PSSR125-3-CH-AA | 1-1/4 | 3 | 2-1/4 | 2-1/4 | 1/2 | 1/2 |
| PSSR125-5-AA | PSSR125-5-CH-AA | 1-1/4 | 5 | 2-3/8 | 2-1/4 | 1/2 | 5/8 |
| PSSR150-3-AA | PSSR150-3-CH-AA | 1-1/2 | 3 | 2-1/2 | 2-1/2 | 1/2 | 1/2 |
| PSSR150-5-AA | PSSR150-5-CH-AA | 1-1/2 | 5 | 2-1/2 | 2-1/2 | 1/2 | 5/8 |
| PSSR200-3-AA | PSSR200-3-CH-AA | 2 | 3 | 2-3/4 | 2-3/4 | 1/2 | 1/2 |
| PSSR200-5-AA | PSSR200-5-CH-AA | 2 | 5 | 2-3/4 | 2-3/4 | 1/2 | 5/8 |
| PSSR250-3-AA | PSSR250-3-CH-AA | 2-1/2 | 3 | 3-1/8 | 3 | 1/2 | 1/2 |
| PSSR250-5-AA | PSSR250-5-CH-AA | 2-1/2 | 5 | 3-1/8 | 3 | 1/2 | 5/8 |
| PSSR300-3-AA | PSSR300-3-CH-AA | 3 | 3 | 3-5/8 | 3-1/4 | 5/8 | 1/2 |
| PSSR300-5-AA | PSSR300-5-CH-AA | 3 | 5 | 3-5/8 | 3-1/4 | 5/8 | 5/8 |
| PSSR350-3-AA | PSSR350-3-CH-AA | 3-1/2 | 3 | 4 | 3-1/4 | 5/8 | 1/2 |
| PSSR350-5-AA | PSSR350-5-CH-AA | 3-1/2 | 5 | 4 | 3-1/4 | 5/8 | 5/8 |
| PSSR400-3-AA | PSSR400-3-CH-AA | 4 | 3 | 4-1/2 | 3-1/4 | 5/8 | 1/2 |
| PSSR400-5-AA | PSSR400-5-CH-AA | 4 | 5 | 4-1/2 | 3-1/4 | 5/8 | 5/8 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2011, AFL, all rights reserved. PP-3-00414, Rev 2, 9.26.2025
Specifications are subject to change without notice.

# TYPE PSU-AA
**Pipe or Cable Bus Support**



## Material

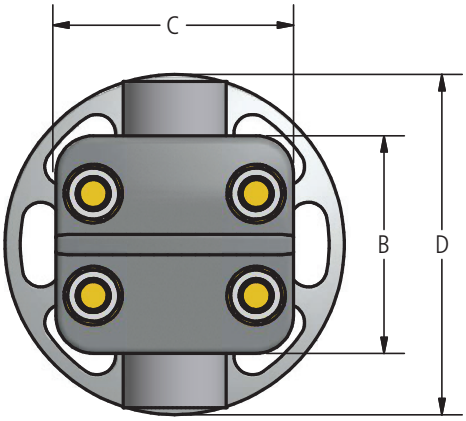
Aluminum Alloy

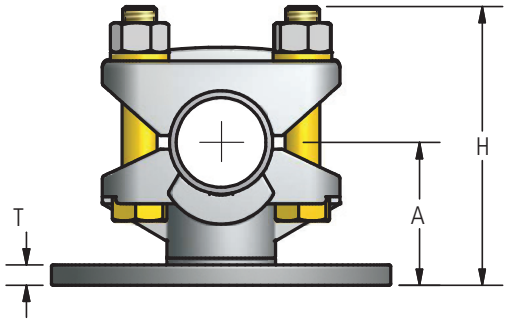
## Hardware

Aluminum nuts, bolts, and lockwashers.
Galvanized steel base mounting hardware is included.

## Notes

For base mounting dimensions and hardware see page 3 in the general catalog index.




## Ordering Information

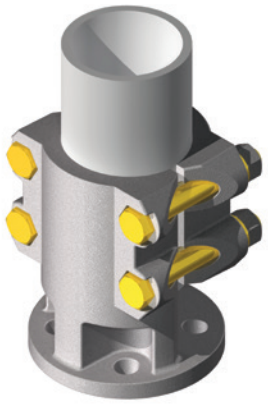
| CATALOG NUMBER | SPS | | CABLE RANGE AAC | | CABLE RANGE ACSR | | BOLT CIRCLE | DIMENSIONS IN INCHES | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MIN | MAX | MIN | MAX | MIN | MAX | | A | B | C | D | H | T | BOLT SIZE |
| PSU50-3-AA | 1/8 | 1/2 | 6STR | 500MCM | 6 | 336.4 | 3 | 2-1/8 | 3 | 3-1/8 | 4-1/4 | 3-1/2 | 3/8 | 1/2 |
| PSU50-5-AA | 1/8 | 1/2 | 6STR | 500MCM | 6 | 336.4 | 5 | 2-1/8 | 3 | 3-1/8 | 6-1/4 | 3-1/2 | 3/8 | 1/2 |
| PSU100-3-AA | 1/4 | 1 | 4/0 | 1250MCM | 4/0 | 1033.5 | 3 | 2-1/4 | 3-1/2 | 3-1/2 | 4-1/4 | 4-1/4 | 3/8 | 1/2 |
| PSU100-5-AA | 1/4 | 1 | 4/0 | 1250MCM | 4/0 | 1033.5 | 5 | 2-1/4 | 3-1/2 | 3-1/2 | 6-1/4 | 4-1/4 | 3/8 | 1/2 |
| PSU150-3-AA | 3/4 | 1-1/2 | 850MCM | 2500MCM | 715.5 | 2515 | 3 | 2-5/8 | 4 | 4-3/8 | 4-1/4 | 4-3/4 | 3/8 | 5/8 |
| PSU150-5-AA | 3/4 | 1-1/2 | 850MCM | 2500MCM | 715.5 | 2515 | 5 | 2-5/8 | 4 | 4-3/8 | 6-1/4 | 4-3/4 | 3/8 | 5/8 |
| PSU150-7-AA | 3/4 | 1-1/2 | 850MCM | 2500MCM | 715.5 | 2515 | 7 | 2-5/8 | 4 | 4-3/8 | 8-1/2 | 4-7/8 | 1/2 | 5/8 |
| PSU200-3-AA | 1-1/4 | 2 | 2500MCM | 3500MCM | 2034 | 2870 | 3 | 2-3/4 | 3 | 4-3/8 | 4-1/4 | 4-7/8 | 3/8 | 5/8 |
| PSU200-5-AA | 1-1/4 | 2 | 2500MCM | 3500MCM | 2034 | 2870 | 5 | 2-3/4 | 3 | 4-3/8 | 6-1/4 | 4-7/8 | 3/8 | 5/8 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2011, AFL, all rights reserved. PP-3-00417, Revision 4, 9.26.2025
Specifications are subject to change without notice.

# TYPE PSV-AA

## Vertical Pipe Bus Supportt

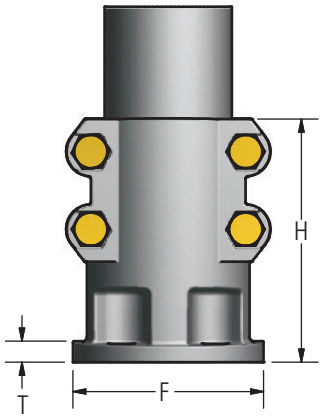


### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum nuts, bolts and lockwashers.
Galvanized steel base mounting hardware is included




### Ordering Information

| CATALOG NUMBERS | SPS | BOLT CIRCLE | DIMENSIONS IN INCHES | | | CANTILEVER FORCE* | |
|---|---|---|---|---|---|---|---|
| | | | F | H | T | ALLOWABLE | ULTIMATE |
| PSV100-3-AA | 1 | 3 | 4 1/4 | 4 3/8 | 3/8 | 1920 | 2750 |
| PSV150-3-AA | 1 1/2 | 3 | 4 1/4 | 4 3/4 | 3/8 | 2000 | 2880 |
| PSV150-5-AA | 1 1/2 | 5 | 6 1/4 | 4 3/4 | 3/8 | 4130 | 5950 |
| PSV200-3-AA | 2 | 3 | 4 1/4 | 5 1/2 | 3/8 | 2080 | 2990 |
| PSV200-5-AA | 2 | 5 | 6 1/4 | 4 3/4 | 3/8 | 4430 | 6380 |
| PSV250-3-AA | 2 1/2 | 3 | 4 1/4 | 5 1/2 | 13/32 | 2160 | 3110 |
| PSV250-5-AA | 2 1/2 | 5 | 6 1/4 | 4 3/4 | 13/32 | 4590 | 6610 |
| PSV300-3-AA | 3 | 3 | 4 1/4 | 5 5/16 | 13/32 | 2240 | 3230 |
| PSV300-5-AA | 3 | 5 | 6 1/4 | 5 5/16 | 13/32 | 4870 | 7010 |
| PSV350-3-AA | 3 1/2 | 3 | 4 1/4 | 4 7/8 | 13/32 | 2720 | 3920 |
| PSV350-5-AA | 3 1/2 | 5 | 6 1/4 | 5 1/2 | 13/32 | 5030 | 7240 |
| PSV400-3-AA | 4 | 3 | 4 1/4 | 4 7/8 | 13/32 | 2820 | 4060 |
| PSV400-5-AA | 4 | 5 | 6 1/4 | 5 1/2 | 13/32 | 5350 | 7700 |

* -Cantilver force is applied at a point on the bus location 2 ft away from the bus support.

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2011, AFL, all rights reserved. PP-3-00419, Revision 1, 9.26.2025
Specifications are subject to change without notice.



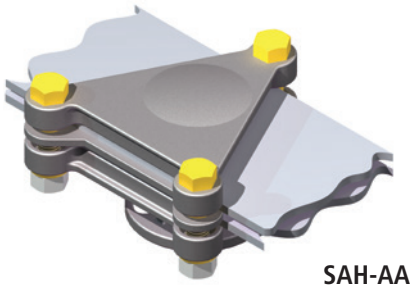
AFL
AFLglobal.com
1 (800) 890-8878

# DOSSERT®

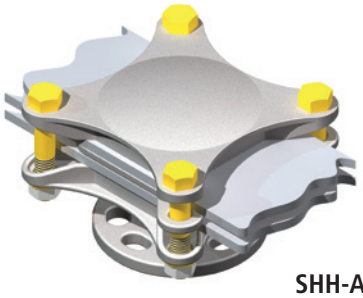
## TYPE SAH-AA, SHH-AA

### Horizontal Bus Support For Flat Bus Bars

A horizontal bus support for supporting one or more flat bus bars in a horizontal position. The following supports do not include spacers. The Double Group Type includes a single wide spacer only.



SAH-AA



SHH-AA

### Material

Aluminum Alloy

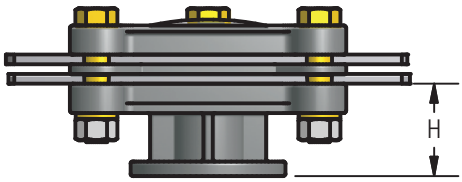
### Hardware

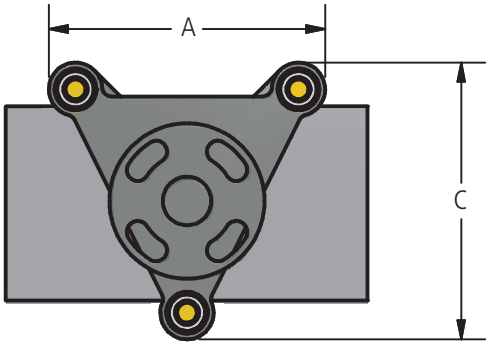
Yellow anodized aluminum nuts, bolts, and lockwashers.
Galvanized steel base mounting hardware is included.

### Note

For more than 2 bars supported; follow the bolt circle number with number of bars to be supported. For example for a 4 inch width bus and a 5 inch bolt circle with 4 bars to be supported order: SAH4-5-4-AA

For bar spacing greater than 1/4" see page 11 for spacers.




## Ordering Information

| CATALOG NUMBER | | | | WIDTH OF BUS | BOLT CIRCLE | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|---|---|---|---|
| SAH SERIES | DOUBLE SPACED | SHH SERIES | DOUBLE SPACED | | | A | C | H |
| SAH2-3-AA | SAHD2-3-AA | SHH2-3-AA | SHHD2-3-AA | 2 | 3 | 3 5/16 | 3 5/16 | 2 1/8 |
| SAH2-5-AA | SAHD2-5-AA | SHH2-5-AA | SHHD2-5-AA | 2 | 5 | 3 5/16 | 3 5/16 | 2 3/8 |
| SAH3-3-AA | SAHD3-3-AA | SHH3-3-AA | SHHD3-3-AA | 3 | 3 | 3 5/16 | 4 5/16 | 2 1/8 |
| SAH3-5-AA | SAHD3-5-AA | SHH3-5-AA | SHHD3-5-AA | 3 | 5 | 3 5/16 | 4 5/16 | 2 3/8 |
| SAH4-3-AA | SAHD4-8-AA | SHH4-3-AA | SHHD4-8-AA | 4 | 3 | 4 3/4 | 5 3/4 | 2 1/4 |
| SAH4-5-AA | SAHD4-5-AA | SHH4-5-AA | SHHD4-5-AA | 4 | 5 | 4 3/4 | 5 3/4 | 2 1/2 |
| SAH5-3-AA | SAHD5-3-AA | SHH5-3-AA | SHHD5-3-AA | 5 | 3 | 5 3/4 | 6 3/4 | 2 3/8 |
| SAH5-5-AA | SAHD5-5-AA | SHH5-5-AA | SHHD5-5-AA | 5 | 5 | 5 3/4 | 6 3/4 | 2 5/8 |
| SAH6-3-AA | SAHD6-3-AA | SHH6-3-AA | SHHD6-3-AA | 6 | 3 | 7 1/8 | 8 1/8 | 2 3/8 |
| SAH6-5-AA | SAHD6-5-AA | SHH6-5-AA | SHHD6-5-AA | 6 | 5 | 7 1/8 | 8 1/8 | 2 5/8 |



© 2011, AFL, all rights reserved. PP-3-00440, 1.12.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE SAV-AA, SHV-AA

### Vertical Bus Support Clamps

A vertical support clamp for supporting one or more flat bus bars in a vertical or upright position.



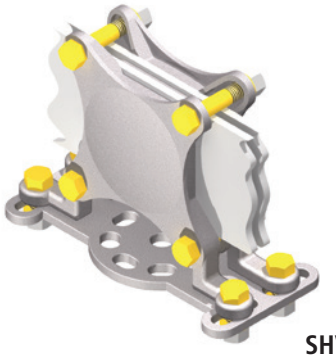
SAV-AA

### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, and lockwashers.
Galvanized steel base mounting hardware is included.

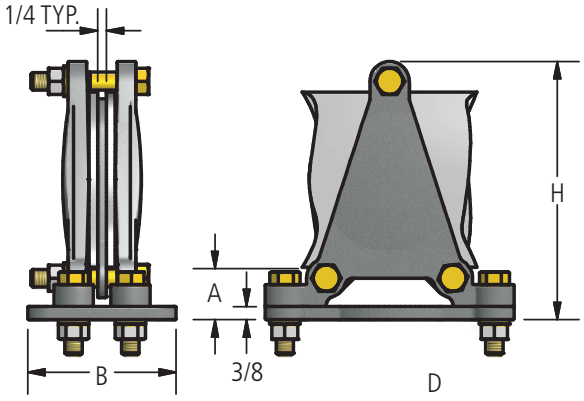


SHV-AA

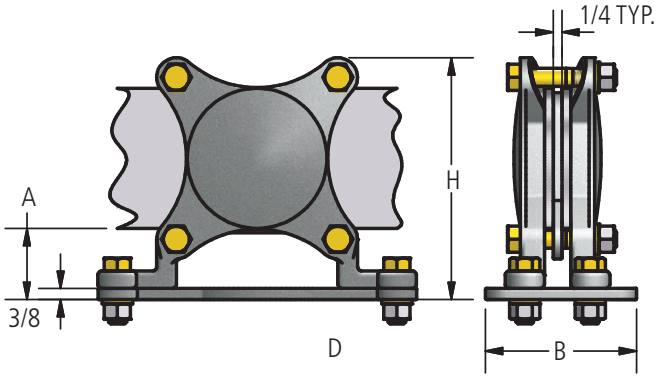
### Note

Double group supports include a single wide spacer only. For more than 2 bars supported; follow the bolt circle number with number of bars to be supported. For example, for a 4 inch width bus and a 5 inch bolt circle with 4 bars to be supportred order: EX: SAV-4-5-4-AA.

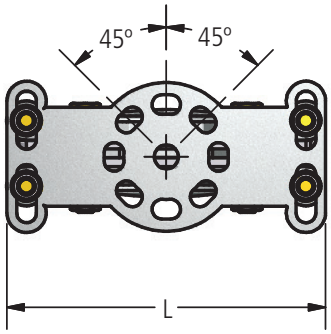
For base mounting dimensions and hardware see page 3 in the general catalog index.




SAV-AA




SHV-AA






© 2011, AFL, all rights reserved. PP-3-00442, 1.12.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE SAV-AA, SHV-AA

**Vertical Bus Support Clamps**

## Ordering Information

| CATALOG NUMBER | | BOLT CIRCLE | DIMENSIONS IN INCHES | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|
| SAV-AA SERIES | SHV-AA SERIES | | WIDTH OF BARS | B | A | H | L | |
| SAV2-3-AA | SHV2-3-AA | 3 | 2 | 4 1/4 | 1 3/4 | 4 7/16 | 7 1/8 | 3/8 |
| SAV2-5-AA | SHV2-5-AA | 5 | 2 | 6 1/4 | 1 3/4 | 4 7/16 | 8 1/8 | 3/8 |
| SAV3-3-AA | SHV3-3-AA | 3 | 3 | 4 1/4 | 1 3/4 | 5 7/16 | 7 1/8 | 3/8 |
| SAV3-5-AA | SHV3-5-AA | 5 | 3 | 6 1/4 | 1 3/4 | 5 7/16 | 8 1/8 | 3/8 |
| SAV4-3-AA | SHV4-3-AA | 3 | 4 | 4 1/4 | 1 7/8 | 6 7/8 | 7 1/8 | 1/2 |
| SAV4-5-AA | SHV4-5-AA | 5 | 4 | 6 1/4 | 1 7/8 | 6 7/8 | 8 1/8 | 1/2 |
| SAV5-3-AA | SHV5-3-AA | 3 | 5 | 4 1/4 | 1 7/8 | 7 7/8 | 7 1/8 | 1/2 |
| SAV5-5-AA | SHV5-5-AA | 5 | 5 | 6 1/4 | 1 7/8 | 7 7/8 | 8 1/8 | 1/2 |
| SAV6-3-AA | SHV6-3-AA | 3 | 6 | 4 1/4 | 1 7/8 | 8 7/8 | 7 1/8 | 1/2 |
| SAV6-5-AA | SHV6-5-AA | 5 | 6 | 6 1/4 | 1 7/8 | 8 7/8 | 8 1/8 | 1/2 |



© 2011, AFL, all rights reserved. PP-3-00442, 1.12.11
Specifications are subject to change without notice.

# 230 kV Aluminum Bolted Bus Supports

## DOSSERT®

## TYPE XBC-AA

### Aluminum Bus Support Coupler



A bus support coupler is designed to conduct the full rated load of the tubular buses, and at the same time permit free axial movement of each bus member. The shackle type fitting allows slight angular deviation of the buses from the horizontal position where they cannot be kept on a true plane.

### Material

Aluminum Alloy

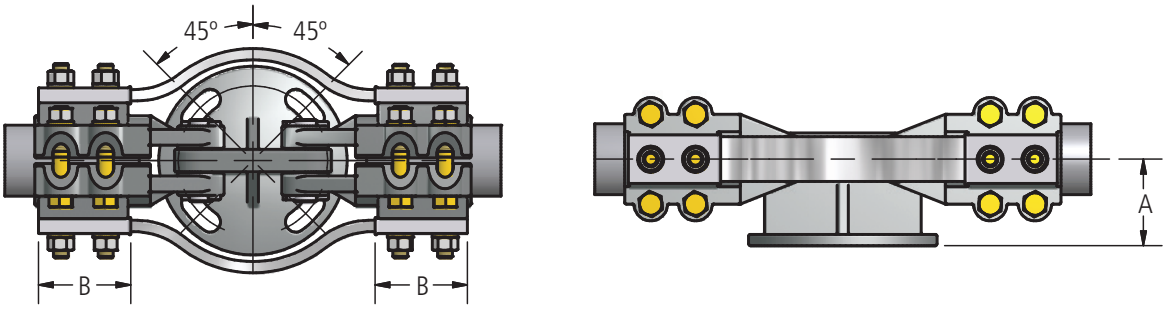
### Lamination Material

Pure Aluminum

### Hardware

Yellow anodized aluminum nuts, bolts and lockwashers.
Galvanized Steel mounting hardware included.

For base mounting dimensions and hardware see page 3 in the general catalog index.




## Ordering Information

| CATALOG NUMBER | SPS | BOLT CIRCLE | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|---|
| | | | A | B | BOLT SIZE |
| XBC75-3-AA | 3/4 | 3 | 2 | 3 | 1/2 |
| XBC75-5-AA | 3/4 | 5 | 2-1/4 | 3 | 1/2 |
| XBC100-3-AA | 1 | 3 | 2 | 3 | 1/2 |
| XBC100-5-AA | 1 | 5 | 2-1/4 | 3 | 1/2 |
| XBC125-3-AA | 1-1/4 | 3 | 2-1/4 | 3 | 1/2 |
| XBC125-5-AA | 1-1/4 | 5 | 2-3/8 | 3 | 1/2 |
| XBC150-3-AA | 1-1/2 | 3 | 2-1/2 | 3 | 1/2 |
| XBC150-5-AA | 1-1/2 | 5 | 2-1/2 | 3 | 1/2 |
| XBC200-3-AA | 2 | 3 | 2-3/4 | 3-1/4 | 1/2 |
| XBC200-5-AA | 2 | 5 | 2-3/4 | 3-1/4 | 1/2 |
| XBC250-3-AA | 2-1/2 | 3 | 3-1/8 | 3-1/4 | 1/2 |
| XBC250-5-AA | 2-1/2 | 5 | 3-1/8 | 3-1/4 | 1/2 |
| XBC300-3-AA | 3 | 3 | 3-5/8 | 3-1/2 | 5/8 |
| XBC300-5-AA | 3 | 5 | 3-5/8 | 3-1/2 | 5/8 |
| XBC350-3-AA | 3-1/2 | 3 | 4 | 3-1/2 | 5/8 |
| XBC350-5-AA | 3-1/2 | 5 | 4 | 3-1/2 | 5/8 |
| XBC400-3-AA | 4 | 3 | 4-1/2 | 3-1/2 | 5/8 |
| XBC400-5-AA | 4 | 5 | 4-1/2 | 3-1/2 | 5/8 |
| XBC500-5-AA | 5 | 5 | 5-1/8 | 3-3/4 | 5/8 |
| XBC600-5-AA | 6 | 5 | 5-1/2 | 3-3/4 | 5/8 |



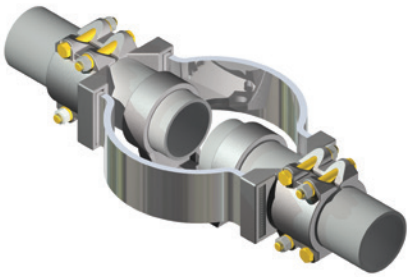
© 2011, AFL, all rights reserved. PP-3-00589, Revision 1, 11.29.18
Specifications are subject to change without notice.

# 230 kV Aluminum Bolted Bus Supports

## DOSSERT®

## TYPE XBCW-AA

### Expansion Bus Support



Expansion support is designed to compensate for expansion and contraction during long bus runs. Laminated straps provide for 1.4"of expansion or contraction for pipe sizes 3/4" through 1-1/2" NPS. For pipe sizes 2" through 6" NPS, the straps allow for expansion or contraction of 2.6".

### Material

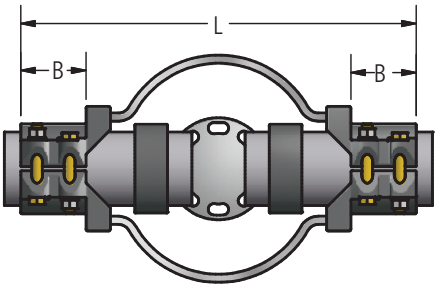
Aluminum Alloy

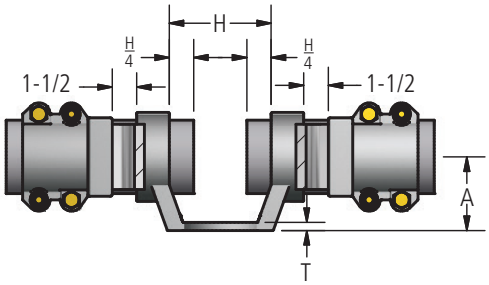
### Hardware

Yellow anodized aluminum bolts, nuts, and lockwashers.
Galvanized steel base mounting hardware is included.

### Notes

For base mounting dimensions and hardware, see page 3 in the general information section.




## Ordering Information

| CATALOG NUMBER | | SPS | BOLT CIRCLE | DIMENSIONS IN INCHES | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|
| STANDARD | WITH CHATTER SPRING | | | A | B | H | L | T | |
| XBCW100-3-AA | XBCW100-3-CH-AA | 1 | 3 | 2 | 2-3/4 | 4-1/2 | 17 | 3/8 | 1/2 |
| XBCW100-5-AA | XBCW100-5-CH-AA | 1 | 5 | 2-1/4 | 2-3/4 | 6-1/4 | 18-3/4 | 3/8 | 1/2 |
| XBCW125-3-AA | XBCW125-3-CH-AA | 1-1/4 | 3 | 2-1/4 | 3 | 4-1/2 | 17-3/4 | 3/8 | 1/2 |
| XBCW125-5-AA | XBCW125-5-CH-AA | 1-1/4 | 5 | 2-3/8 | 3 | 6-1/4 | 19-1/2 | 3/8 | 1/2 |
| XBCW150-3-AA | XBCW150-3-CH-AA | 1-1/2 | 3 | 2-1/2 | 3 | 4-1/2 | 18 | 3/8 | 1/2 |
| XBCW150-5-AA | XBCW150-5-CH-AA | 1-1/2 | 5 | 2-1/2 | 3 | 6-1/4 | 19-3/4 | 3/8 | 1/2 |
| XBCW200-3-AA | XBCW200-3-CH-AA | 2 | 3 | 2-3/4 | 3-1/4 | 4-1/2 | 19-1/8 | 3/8 | 1/2 |
| XBCW200-5-AA | XBCW200-5-CH-AA | 2 | 5 | 2-3/4 | 3-1/4 | 6-1/4 | 20-7/8 | 3/8 | 1/2 |
| XBCW250-3-AA | XBCW250-3-CH-AA | 2-1/2 | 3 | 3-1/8 | 3-1/4 | 4-1/2 | 19-1/8 | 3/8 | 1/2 |
| XBCW250-5-AA | XBCW250-5-CH-AA | 2-1/2 | 5 | 3-1/8 | 3-1/4 | 6-1/4 | 20-7/8 | 3/8 | 1/2 |
| XBCW300-3-AA | XBCW300-3-CH-AA | 3 | 3 | 3-5/8 | 3-1/2 | 4-1/2 | 19-5/8 | 7/16 | 5/8 |
| XBCW300-5-AA | XBCW300-5-CH-AA | 3 | 5 | 3-5/8 | 3-1/2 | 6-1/4 | 21-3/8 | 7/16 | 5/8 |
| XBCW350-3-AA | XBCW350-3-CH-AA | 3-1/2 | 3 | 4 | 3-1/2 | 4-1/2 | 19-7/8 | 1/2 | 5/8 |
| XBCW350-5-AA | XBCW350-5-CH-AA | 3-1/2 | 5 | 4 | 3-1/2 | 6-1/4 | 21-5/8 | 1/2 | 5/8 |
| XBCW350-7-AA | XBCW350-7-CH-AA | 3-1/2 | 7 | 4 | 3-1/2 | 8-3/4 | 23-5/8 | 1/2 | 5/8 |
| XBCW400-3-AA | XBCW400-3-CH-AA | 4 | 3 | 4-1/2 | 3-3/4 | 5 | 21 | 1/2 | 5/8 |
| XBCW400-5-AA | XBCW400-5-CH-AA | 4 | 5 | 4-1/2 | 3-3/4 | 6-1/4 | 22-3/4 | 1/2 | 5/8 |
| XBCW400-7-AA | XBCW400-7-CH-AA | 4 | 7 | 4 | 3 | 8-3/4 | 27 | 1/2 | 5/8 |
| XBCW500-3-AA | XBCW500-3-CH-AA | 5 | 3 | 5 | 4 | 4-1/2 | 21-1/2 | 1/2 | 5/8 |
| XBCW500-5-AA | XBCW500-5-CH-AA | 5 | 5 | 5 | 4 | 6-1/4 | 23-1/4 | 1/2 | 5/8 |
| XBCW500-7-AA | XBCW500-7-CH-AA | 5 | 7 | 5 | 4 | 8-3/4 | 27 | 1/2 | 5/8 |
| XBCW600-3-AA | XBCW600-3-CH-AA | 6 | 3 | 5-1/2 | 4 | 4-1/2 | 21-1/2 | 1/2 | 5/8 |
| XBCW600-5-AA | XBCW600-5-CH-AA | 6 | 5 | 5-1/2 | 4 | 6-1/4 | 23-1/4 | 1/2 | 5/8 |
| XBCW600-7-AA | XBCW600-7-CH-AA | 6 | 7 | 5-1/2 | 4 | 8-3/4 | 27 | 1/2 | 5/8 |



© 2011, AFL, all rights reserved. PP-3-00581, Rev 1, 7.23.13
Specifications are subject to change without notice.

# DOSSERT®

## TYPE BCX-AA

### Variable Cable Tee Tap and Straight Connector



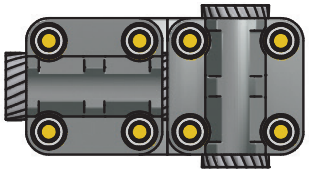
A clamp type tee connector, or reducer connector for joining two cables. This connector allows for multiple applications, and the variable cable tap and coupler accepts a wide range of conductor sizes. High conductivity Aluminum alloy body plus well balanced conductive and contact areas make for cool operation under all load conditions

### Material

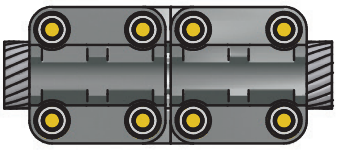
Aluminum Alloy

### Hardware

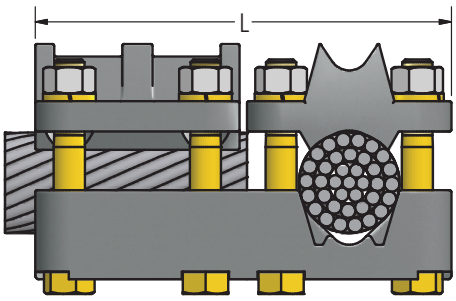
Yellow anodized aluminum nuts, bolts and lockwashers.

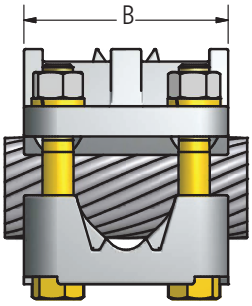


TAP CONFIGURATION



COUPLER OR REDUCER CONFIGURATION




## Ordering Information

| CATALOG NUMBER | CONDUCTOR RANGE | | | | | SPS | | DIMENSIONS IN INCHES | |
|---|---|---|---|---|---|---|---|---|---|
| | ACSR OR AAC | TAP | | RUN | | TAP | RUN | | |
| | | MIN | MAX | MIN | MAX | | | B | L |
| BCX100-100-AA | AAC | #2 SOL. | 1000 MCM | #2 SOL. | 1000 MCM | 3/8 - 3/4 | 3/8 - 3/4 | 2 7/8 | 5 7/8 |
| | ACSR | 4(7/1) | 900(36/1) | 4(7/1) | 900(36/1) | | | | |
| BCX200-200-AA | AAC | 4/0 STR. | 2000 MCM | 4/0 STR. | 2000 MCM | 3/8 - 1 1/4 | 3/8 - 1 1/4 | 3 3/8 | 6 7/8 |
| | ACSR | 4/0(6/1) | 1780(84/19) | 4/0(6/1) | 1780(84/19) | | | | |
| BCX350-200-AA | AAC | SEE TABLE 2 | | | | | | | 8 3/8 |
| | ACSR | | | | | | | | |
| BCX350-350-AA | AAC | 795 MCM | 3500 MCM | 2000 MCM | 3500MCM | - | - | 4 1/2 | 10 1/2 |
| | ACSR | 795(54/7) | 2515(76/19) | 795(54/7) | 2515(76/19) | | | | |

| TABLE 2 | | | | | | | |
|---|---|---|---|---|---|---|---|
| CATALOG NUMBER | CONDUCTOR RANGE | | | | | DIMENSIONS IN INCHES | |
| | ACSR OR AAC | 200 SIDE (TAP) | | 350 SIDE (RUN) | | B | |
| | | MIN | MAX | MIN | MAX | TAP | RUN |
| BCX350-200-AA | AAC | 4/0 STR. | 2000 MCM | 795 MCM | 3500 MCM | 3 3/8 | 4 1/2 |
| | ACSR | 4/0(6/1) | 1780(84/19) | 795(54/7) | 2515(76/19) | | |



© 2011, AFL, all rights reserved. PP-3-00133, Revision 1. 9.20.11
Specifications are subject to change without notice.

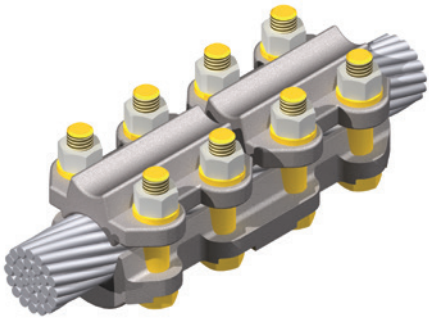
# 230 kV Aluminum Bolted Couplers



DOSSERT®

## TYPE CCV-AA

### Aluminum Bolted Cable Coupler



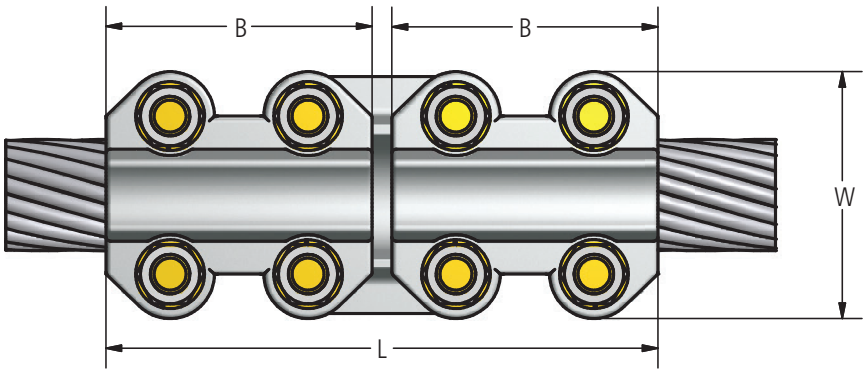
A cable to cable heavy duty variable type coupler. Each cable holding section accommodates a wide range of cable sizes.

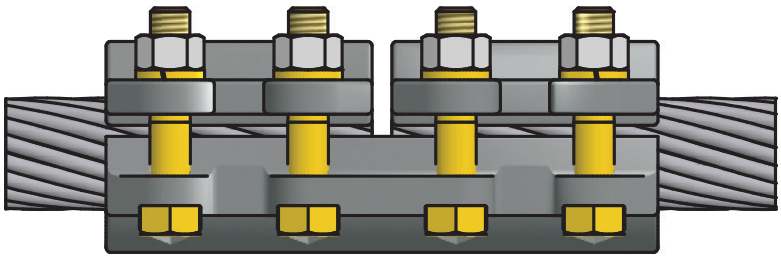
### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum nuts, bolts and lockwashers.



## Ordering Information

| CATALOG NUMBER | AAC CABLE RANGE | | ACSR CABLE RANGE | | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|
| | MIN | MAX | MIN | MAX | B | L | W | |
| CCV10-AA | 4 | 1/0 | 4 | 1/0 | 1 7/8 | 4 | 2 1/4 | 1/2 |
| CCV25-AA | 1/0 | 250 | 1/0 | 4/0 | 3 | 6 1/4 | 2 5/16 | 1/2 |
| CCV40-AA | 250 | 400 | 4/0 | 397.5 | 3 | 6 1/4 | 2 1/2 | 1/2 |
| CCV60-AA | 350 | 600 | 336.4 | 477 | 3 | 6 1/4 | 2 11/16 | 1/2 |
| CCV90-AA | 500 | 900 | 477 | 795 | 3 | 6 1/4 | 2 7/8 | 1/2 |
| CCV125-AA | 900 | 1250 | 715 | 1113 | 3 1/4 | 6 3/4 | 3 1/16 | 1/2 |
| CCV160-AA | 1250 | 1600 | 1113 | 1431 | 4 3/8 | 9 | 3 5/8 | 5/8 |
| CCV200-AA | 1500 | 2000 | 1272 | 1780 | 4 1/2 | 9 1/4 | 3 3/4 | 5/8 |
| CCV250-AA | 2000 | 2500 | 1780 | 2300 | 4 1/2 | 9 1/4 | 5 15/16 | 5/8 |
| CCV300-AA | 2500 | 3000 | 2515 | 2515 | 4 1/2 | 9 1/4 | 5 15/16 | 5/8 |



© 2011, AFL, all rights reserved. PP-3-00275, 1.16.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE CP-AA
**Pipe Coupler**



### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum nuts, bolts and lockwashers.

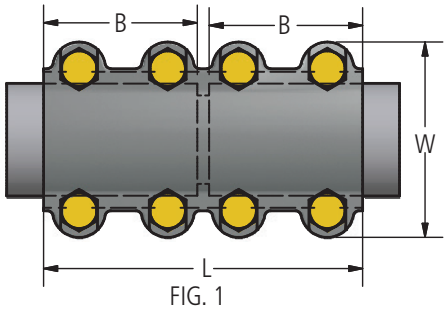
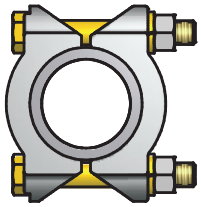



FIG. 1



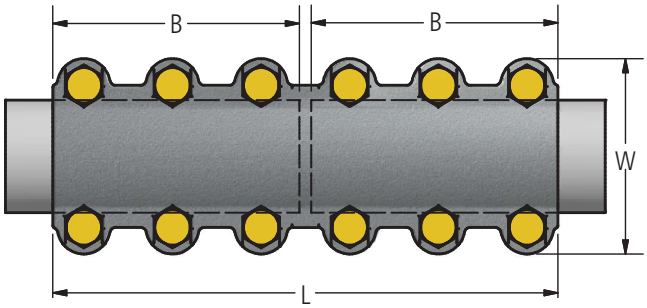



FIG. 2

## Ordering Information

| CATALOG NUMBER | SPS OR EHPS | FIGURE NUMBER | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|---|---|
| | | | B | L | W | |
| CP50-AA | 1/2 | 1 | 2 1/2 | 5 1/4 | 2 9/16 | 1/2 |
| CP75-AA | 3/4 | 1 | 2 3/4 | 5 3/4 | 2 3/4 | 1/2 |
| CP100-AA | 1 | 1 | 2 3/4 | 5 3/4 | 3 1/16 | 1/2 |
| CP125-AA | 1 1/4 | 1 | 3 | 6 1/4 | 3 7/16 | 1/2 |
| CP150-AA | 1 1/2 | 1 | 3 | 6 1/4 | 3 11/16 | 1/2 |
| CP200-AA | 2 | 1 | 3 1/4 | 6 3/4 | 4 1/8 | 1/2 |
| CP250-AA | 2 1/2 | 1 | 3 1/4 | 6 3/4 | 4 5/8 | 1/2 |
| CP300-AA | 3 | 1 | 3 3/4 | 7 3/4 | 5 5/8 | 5/8 |
| CP350-AA | 3 1/2 | 1 | 4 | 8 1/4 | 6 1/8 | 5/8 |
| CP400-AA | 4 | 1 | 4 1/2 | 9 1/4 | 6 5/8 | 5/8 |
| CP500-AA | 5 | 2 | 7 | 14 1/4 | 7 11/16 | 5/8 |
| CP600-AA | 6 | 2 | 7 | 14 1/4 | 8 3/4 | 5/8 |
| CP800R-AA | 8 O.D. | 2 | 6 3/16 | 12 5/8 | 10 1/8 | 5/8 |



© 2011, AFL, all rights reserved. PP-3-00288, Revision 1, 12.3.18
Specifications are subject to change without notice.

# 230 kV Aluminum Bolted Couplers

DOSSERT®

## TYPE RCV-AA

### Aluminum Reducing Cable Coupler

Reducing Cable Coupler

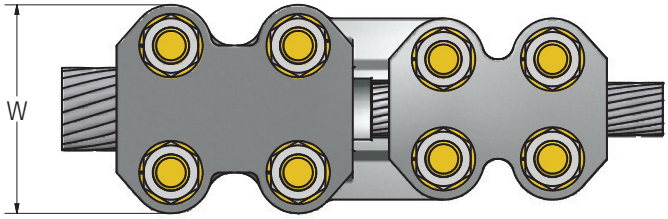


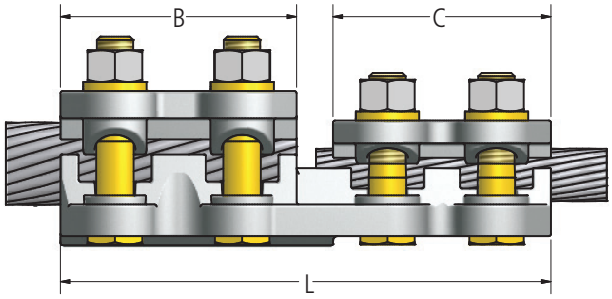
### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum nuts, bolts and lockwashers.




## Ordering Information

| CATALOG NUMBER | CABLE RANGE RUN ACSR | | CABLE RANGE RUN AAC | | CABLE RANGE TAP ACSR | | CABLE RANGE TAP AAC | | DIMENSIONS IN INCHES | | | | BOLT SIZE RUN | BOLT SIZE TAP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | B | C | L | W | | |
| RCV25-10-AA | 1/0(6/1) | 250MCM | 1/0STR | 4/0(6/1) | 4STR | 1/0(6/1) | 4STR | 1/0STR | 3 | 1 7/8 | 5 1/2 | 2 5/16 | 1/2 | 1/2 |
| RCV40-10-AA | 4/0(6/1) | 400MCM | 250MCM | 397.5(18/1) | 4STR | 1/0(6/1) | 4STR | 1/0STR | 3 | 1 7/8 | 5 1/2 | 2 1/2 | 1/2 | 1/2 |
| RCV40-25-AA | 4/0(6/1) | 400MCM | 250MCM | 397.5(18/1) | 1/0STR | 4/0(6/1) | 1/0STR | 250MCM | 3 | 3 | 6 5/8 | 2 1/2 | 1/2 | 1/2 |
| RCV60-25-AA | 336.4(18/1) | 600MCM | 350MCM | 477(30/7) | 1/0STR | 4/0(6/1) | 1/0STR | 250MCM | 3 | 3 | 6 5/8 | 2 11/16 | 1/2 | 1/2 |
| RCV60-40-AA | 336.4(18/1) | 600MCM | 350MCM | 477(30/7) | 4/0(6/1) | 397.5(18/1) | 250MCM | 400MCM | 3 | 3 | 6 5/8 | 2 11/16 | 1/2 | 1/2 |
| RCV90-25-AA | 477(30/7) | 900MCM | 600MCM | 795(54/7) | 1/0(6/1) | 4/0(6/1) | 1/0STR | 250MCM | 3 | 3 | 6 5/8 | 2 7/8 | 1/2 | 1/2 |
| RCV90-40-AA | 477(30/7) | 900MCM | 600MCM | 795(54/7) | 4/0(6/1) | 397.5(18/1) | 250MCM | 400MCM | 3 | 3 | 6 5/8 | 2 7/8 | 1/2 | 1/2 |
| RCV90-60-AA | 477(30/7) | 900MCM | 600MCM | 795(54/7) | 336.4(18/1) | 477(30/7) | 350MCM | 600MCM | 3 | 3 | 6 5/8 | 2 7/8 | 1/2 | 1/2 |
| RCV125-25-AA | 715(30/19) | 1250MCM | 900MCM | 1113(54/19) | 1/0(6/1) | 795(54/7) | 1/0STR | 250MCM | 3 1/4 | 3 | 6 7/8 | 3 1/16 | 1/2 | 1/2 |
| RCV125-40-AA | 715(30/19) | 1250MCM | 900MCM | 1113(54/19) | 4/0(6/1) | 397.5(18/1) | 250MCM | 400MCM | 3 1/4 | 3 | 6 7/8 | 3 1/16 | 1/2 | 1/2 |
| RCV125-60-AA | 715(30/19) | 1250MCM | 900MCM | 1113(54/19) | 336.4(18/1) | 477(30/7) | 350MCM | 600MCM | 3 1/4 | 3 | 6 7/8 | 3 1/16 | 1/2 | 1/2 |
| RCV125-90-AA | 715(30/19) | 1250MCM | 900MCM | 1113(54/19) | 477(30/7) | 795(54/7) | 600MCM | 900MCM | 3 1/4 | 3 | 6 7/8 | 3 1/16 | 1/2 | 1/2 |
| RCV160-25-AA | 1113(54/19) | 1600MCM | 1250MCM | 1431(54/7) | 1/0(6/1) | 795(54/7) | 1/0STR | 250MCM | 4 3/8 | 3 | 7 | 3 5/8 | 5/8 | 1/2 |
| RCV160-40-AA | 1113(54/19) | 1600MCM | 1250MCM | 1431(54/7) | 4/0(6/1) | 397.5(18/1) | 250MCM | 400MCM | 4 3/8 | 3 | 7 | 3 5/8 | 5/8 | 1/2 |
| RCV160-60-AA | 1113(54/19) | 1600MCM | 1250MCM | 1431(54/7) | 336.4(18/1) | 477(30/7) | 350MCM | 600MCM | 4 3/8 | 3 | 7 | 3 5/8 | 5/8 | 1/2 |
| RCV160-90-AA | 1113(54/19) | 1600MCM | 1250MCM | 1431(54/7) | 477(30/7) | 795(54/7) | 600MCM | 900MCM | 4 3/8 | 3 | 7 | 3 5/8 | 5/8 | 1/2 |
| RCV160-125-AA | 1113(54/19) | 1600MCM | 1250MCM | 1431(54/7) | 715(30/19) | 1113(54/19) | 900MCM | 1250MCM | 4 3/8 | 3 1/4 | 7 1/4 | 3 5/8 | 5/8 | 1/2 |
| RCV200-60-AA | 1272(54/19) | 2000MCM | 1500MCM | 1780(87/19) | 336.4(18/1) | 477(30/7) | 350MCM | 600MCM | 4 1/2 | 3 | 8 1/8 | 3 3/4 | 5/8 | 1/2 |
| RCV200-90-AA | 1272(54/19) | 2000MCM | 1500MCM | 1780(87/19) | 477(30/7) | 795(54/7) | 600MCM | 900MCM | 4 1/2 | 3 | 8 1/8 | 3 3/4 | 5/8 | 1/2 |
| RCV200-125-AA | 1272(54/19) | 2000MCM | 1500MCM | 1780(87/19) | 715(30/19) | 1113(54/19) | 900MCM | 1250MCM | 4 1/2 | 3 1/4 | 8 3/8 | 3 3/4 | 5/8 | 1/2 |
| RCV200-160-AA | 1272(54/19) | 2000MCM | 1500MCM | 1780(87/19) | 1113(54/19) | 1431(54/7) | 1250MCM | 1600MCM | 4 1/2 | 4 3/8 | 9 1/2 | 3 3/4 | 5/8 | 5/8 |
| RCV250-60-AA | 1780(84/19) | 2500MCM | 2000MCM | 2300(96/19) | 336.4(18/1) | 477(30/7) | 350MCM | 600MCM | 4 1/2 | 3 | 8 1/8 | 3 15/16 | 5/8 | 1/2 |
| RCV250-90-AA | 1780(84/19) | 2500MCM | 2000MCM | 2300(96/19) | 477(30/7) | 795(54/7) | 600MCM | 900MCM | 4 1/2 | 3 | 8 1/8 | 3 15/16 | 5/8 | 1/2 |
| RCV250-125-AA | 1780(84/19) | 2500MCM | 2000MCM | 2300(96/19) | 715(30/19) | 1113(54/19) | 900MCM | 1250MCM | 4 1/2 | 3 1/4 | 8 3/8 | 3 15/16 | 5/8 | 1/2 |
| RCV250-160-AA | 1780(84/19) | 2500MCM | 2000MCM | 2300(96/19) | 1113(54/19) | 1431(54/7) | 1250MCM | 1600MCM | 4 1/2 | 4 3/8 | 9 1/5 | 3 15/16 | 5/8 | 5/8 |
| RCV250-200-AA | 1780(84/19) | 2500MCM | 2000MCM | 2300(96/19) | 1272(54/19) | 1780(84/19) | 1500MCM | 2000MCM | 4 1/2 | 4 1/2 | 9 5/8 | 3 15/16 | 5/8 | 5/8 |



© 2011, AFL, all rights reserved. PP-3-00427, 1.16.11
Specifications are subject to change without notice.

# 230 kV Aluminum Bolted Couplers

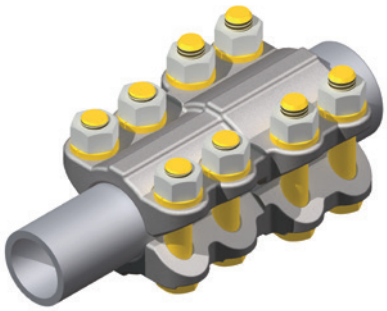


## DOSSERT®

## TYPE RP-AA

### Aluminum Reducing Clamp for Tubular Bus

A clamp type reducing coupler for connecting various sizes of standard pipe size tubular buses end to end. Contact surfaces are finished to provide a strong grip on the conductor and good electrical contact.



**Material**

Aluminum Alloy

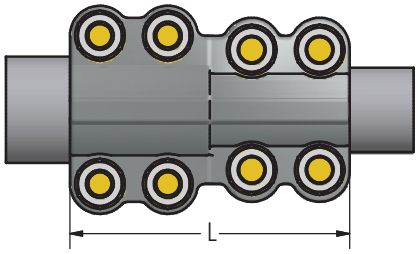
**Hardware**

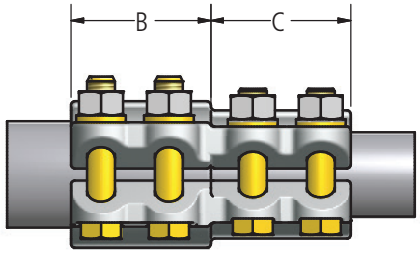
Yellow anodized aluminum nuts, bolts and lockwashers.

## Ordering Information

| CATALOG NUMBER | SPS | | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|---|
| | RUN | TAP | B | C | L |
| RP75-50-AA | 3/4 | 1/2 | 2-3/4 | 2-1/2 | 5-7/8 |
| RP100-50-AA | 1 | 1/2 | 2-3/4 | 2-1/2 | 5-7/8 |
| RP100-75-AA | 1 | 3/4 | 2-3/4 | 2-3/4 | 6-1/8 |
| RP125-50-AA | 1-1/4 | 1/2 | 3 | 2-1/2 | 6-1/8 |
| RP125-75-AA | 1-1/4 | 3/4 | 3 | 2-3/4 | 6-3/8 |
| RP125-100-AA | 1-1/4 | 1 | 3 | 2-3/4 | 6-3/8 |
| RP150-75-AA | 1-1/2 | 3/4 | 3 | 2-3/4 | 6-3/8 |
| RP150-100-AA | 1-1/2 | 1 | 3 | 2-3/4 | 6-3/8 |
| RP150-125-AA | 1-1/2 | 1-1/4 | 3 | 3 | 6-5/8 |
| RP200-75-AA | 2 | 3/4 | 3-1/4 | 2-3/4 | 6-5/8 |
| RP200-100-AA | 2 | 1 | 3-1/4 | 2-3/4 | 6-5/8 |
| RP200-125-AA | 2 | 1-1/4 | 3-1/4 | 3 | 6-7/8 |
| RP200-150-AA | 2 | 1-1/2 | 3-1/4 | 3 | 6-7/8 |
| RP250-75-AA | 2-1/2 | 3/4 | 3-1/4 | 2-3/4 | 6-5/8 |
| RP250-100-AA | 2-1/2 | 1 | 3-1/4 | 2-3/4 | 6-5/8 |
| RP250-125-AA | 2-1/2 | 1-1/4 | 3-1/4 | 3 | 6-7/8 |
| RP250-150-AA | 2-1/2 | 1-1/2 | 3-1/4 | 3 | 6-7/8 |
| RP250-200-AA | 2-1/2 | 1-1/2 | 3-1/4 | 3-1/4 | 7-1/4 |
| RP300-100R-AA | 3 | 1 O.D. | 3-1/4 | 2-3/4 | 6-3/4 |
| RP300-100-AA | 3 | 1 | 3-1/4 | 2-3/4 | 6-3/4 |
| RP300-125-AA | 3 | 1-1/4 | 3-1/4 | 3 | 7 |
| RP300-150-AA | 3 | 1-1/2 | 3-1/4 | 3 | 7 |
| RP300-200-AA | 3 | 2 | 3-1/4 | 3-1/4 | 7-1/4 |
| RP300-250-AA | 3 | 2-1/2 | 3-1/4 | 3-1/4 | 7-1/4 |
| RP350-125-AA | 3-1/2 | 1-1/4 | 3-1/4 | 3-1/4 | 8-1/4 |
| RP350-150-AA | 3-1/2 | 1-1/2 | 3-1/4 | 3 | 7 |
| RP350-200-AA | 3-1/2 | 2 | 3-1/4 | 3-1/4 | 7-1/4 |
| RP350-250-AA | 3-1/2 | 2-1/2 | 3-1/4 | 3-1/4 | 7-1/4 |
| RP350-300-AA | 3-1/2 | 3 | 3-3/4 | 3-3/4 | 8-1/4 |
| RP400-150-AA | 4 | 1-1/2 | 3-1/4 | 3 | 7 |
| RP400-200-AA | 4 | 2 | 3-1/4 | 3-1/4 | 7-1/4 |
| RP400-250-AA | 4 | 2-1/2 | 3-1/4 | 3-1/4 | 7-1/4 |
| RP400-300-AA | 4 | 3 | 3-3/4 | 3-3/4 | 8-1/4 |
| RP400-350-AA | 4 | 3-1/2 | 3-3/4 | 3-1/2 | 7-1/2 |
| RP500-200-AA | 5 | 2 | 3-1/2 | 3-1/4 | 7-1/2 |
| RP500-250-AA | 5 | 2-1/2 | 3-1/2 | 3-1/4 | 7-1/2 |
| RP500-300-AA | 5 | 3 | 3-3/4 | 3-3/4 | 8-1/2 |
| RP500-350-AA | 5 | 3-1/2 | 3-3/4 | 3-1/2 | 7-1/2 |
| RP500-400-AA | 5 | 4 | 3-3/4 | 3-3/4 | 7-7/8 |
| RP600-200-AA | 6 | 2 | 3-1/2 | 3-1/4 | 7-1/2 |
| RP600-250-AA | 6 | 2-1/2 | 3-1/2 | 3-1/4 | 7-1/2 |
| RP600-300-AA | 6 | 3 | 4 | 3-3/4 | 8-5/8 |
| RP600-350-AA | 6 | 3-1/2 | 4 | 3-3/4 | 8-5/8 |
| RP600-400-AA | 6 | 4 | 4 | 3-3/4 | 8-5/8 |
| *RP600-500-AA* | 6 | 5 | 6 | 6 | 12-7/8 |

**This part comes with 12 bolts and 12 nuts and lockwashers**





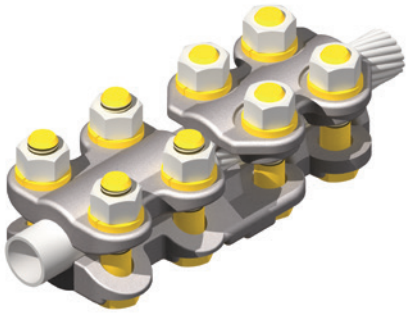

© 2011, AFL, all rights reserved. PP-3-00432, Revision 2, 3.28.2023
Specifications are subject to change without notice.

# 230 kV Aluminum Bolted Couplers

## DOSSERT®

## TYPE RPCV-AA

### Aluminum Pipe to Cable Coupler



A pipe to cable coupler which takes a wide range of cable sizes on the cable clamping member. All clamping members act independently.

### Material

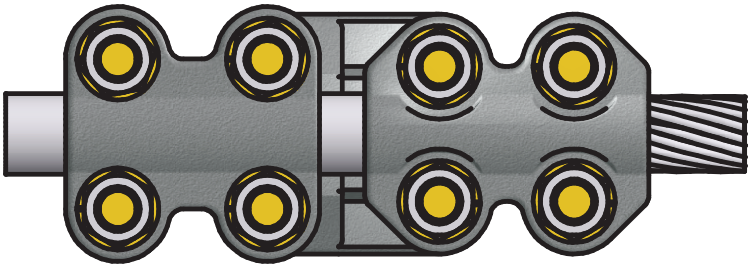
Aluminum Alloy

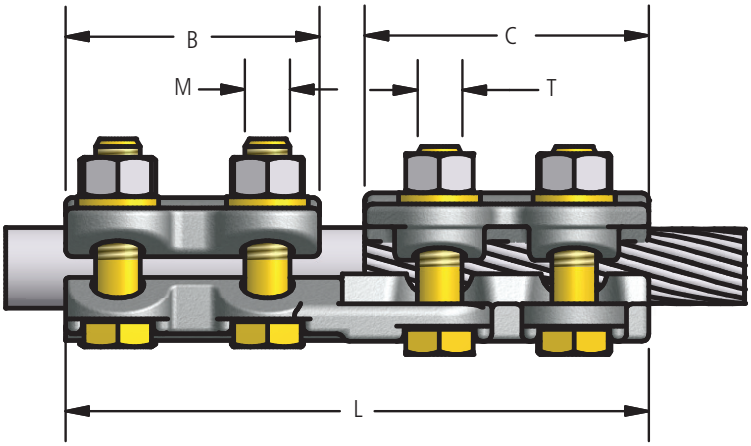
### Hardware

Aluminum nuts, bolts and lockwashers.

### Notes

- For Electro Tin plate, add "-SN" to catalog number. EX: RPCV75-90-AA-SN
- For Grade Five Galvanized Steel Hardware add "-GS5" to catalog number. EX: RPCV75-90-AA-GS5
- For Stainless Steel bolts, lockwashers and Everdur nuts, add "-SSHBN" to catalog number. EX: RPCV75-90-AA-SSHBN








© 2011, AFL, all rights reserved. PP-3-00433, Revision 2, 2.1.19
Specifications are subject to change without notice.

# DOSSERT®

## TYPE RPCV-AA

### Aluminum Pipe to Cable Coupler

## Ordering Information

| CATALOG NUMBER | SPS | CABLE RANGE AAC | | CABLE RANGE ACSR | | DIMENSIONS IN INCHES | | | BOLT SIZE | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | MIN | MAX | MIN | MAX | B | C | L | M | T |
| RPCV75-25-AA | 3/4 | 1/0STR | 250MCM | 1/0STR | 4/0STR | 2 3/4 | 3 | 6 3/8 | 1/2 | 1/2 |
| RPCV75-40-AA | 3/4 | 250MCM | 400MCM | 4/0STR | 397.5 MCM | 2 3/4 | 3 | 6 3/8 | 1/2 | 1/2 |
| RPCV75-60-AA | 3/4 | 350MCM | 600MCM | 336.4 MCM | 477MCM | 2 3/4 | 3 | 6 3/8 | 1/2 | 1/2 |
| RPCV75-90-AA | 3/4 | 500MCM | 900MCM | 477MCM | 795MCM | 2 3/4 | 3 | 6 3/8 | 1/2 | 1/2 |
| RPCV100-25-AA | 1 | 1/0STR | 250MCM | 1/0STR | 4/0STR | 2 3/4 | 3 | 6 3/8 | 1/2 | 1/2 |
| RPCV100-40-AA | 1 | 250MCM | 400MCM | 4/0STR | 397.5 MCM | 2 3/4 | 3 | 6 3/8 | 1/2 | 1/2 |
| RPCV100-60-AA | 1 | 350MCM | 600MCM | 366.4 MCM | 477MCM | 2 3/4 | 3 | 6 3/8 | 1/2 | 1/2 |
| RPCV100-90-AA | 1 | 500MCM | 900MCM | 477MCM | 795MCM | 2 3/4 | 3 | 6 3/8 | 1/2 | 1/2 |
| RPCV118R-25-AA | 30mm | 1/0STR | 250MCM | 1/0STR | 4/0STR | 2 3/4 | 3 | 6 3/8 | 1/2 | 1/2 |
| RPCV118R-40-AA | 30mm | 250MCM | 400MCM | 4/0STR | 397.5 MCM | 2 3/4 | 3 | 6 3/8 | 1/2 | 1/2 |
| RPCV118R-90-AA | 30mm | 500MCM | 900MCM | 477MCM | 795MCM | 2 3/4 | 3 | 6 5/8 | 1/2 | 1/2 |
| RPCV118R-125-AA | 30mm | 900MCM | 1250MCM | 715MCM | 1113MCM | 2 3/4 | 3 1/4 | 6 5/8 | 1/2 | 1/2 |
| RPCV125-25-AA | 1 1/4 | 1/0STR | 250MCM | 1/0STR | 4/0STR | 3 | 3 | 6 5/8 | 1/2 | 1/2 |
| RPCV125-40-AA | 1 1/4 | 250MCM | 400MCM | 4/0STR | 397.5 MCM | 3 | 3 | 6 5/8 | 1/2 | 1/2 |
| RPCV125-60-AA | 1 1/4 | 350MCM | 600MCM | 336.4 MCM | 477MCM | 3 | 3 | 6 5/8 | 1/2 | 1/2 |
| RPCV125-90-AA | 1 1/4 | 500MCM | 900MCM | 477MCM | 795MCM | 3 | 3 | 6 5/8 | 1/2 | 1/2 |
| RPCV125-125-AA | 1 1/4 | 900MCM | 1250MCM | 715MCM | 1113MCM | 3 | 3 1/4 | 6 5/8 | 1/2 | 1/2 |
| RPCV150-25-AA | 1 1/2 | 1/0STR | 250MCM | 1/0STR | 4/0STR | 3 | 3 | 6 5/8 | 1/2 | 1/2 |
| RPCV150-40-AA | 1 1/2 | 250MCM | 400MCM | 4/0STR | 397.5 MCM | 3 | 3 | 6 5/8 | 1/2 | 1/2 |
| RPCV150-60-AA | 1 1/2 | 350MCM | 600MCM | 336.4 MCM | 477MCM | 3 | 3 | 6 5/8 | 1/2 | 1/2 |
| RPCV150-90-AA | 1 1/2 | 500MCM | 900MCM | 477MCM | 795MCM | 3 | 3 | 6 5/8 | 1/2 | 1/2 |
| RPCV150-125-AA | 1 1/2 | 900MCM | 1250MCM | 715MCM | 1113MCM | 3 | 3 1/4 | 6 7/8 | 1/2 | 1/2 |
| RPCV150-160-AA | 1 1/2 | 1250MCM | 1600MCM | 1113MCM | 1431MCM | 3 | 4 3/8 | 7 3/4 | 1/2 | 5/8 |
| RPCV200-25-AA | 2 | 1/0STR | 250MCM | 1/0STR | 4/0STR | 3 1/4 | 3 | 6 7/8 | 1/2 | 1/2 |
| RPCV200-40-AA | 2 | 250MCM | 400MCM | 4/0STR | 397.5 MCM | 3 1/4 | 3 | 6 7/8 | 1/2 | 1/2 |
| RPCV200-60-AA | 2 | 350MCM | 600MCM | 366.4 MCM | 477MCM | 3 1/4 | 3 | 6 7/8 | 1/2 | 1/2 |
| RPCV200-90-AA | 2 | 500MCM | 900MCM | 477MCM | 795MCM | 3 1/4 | 3 | 6 7/8 | 1/2 | 1/2 |
| RPCV200-125-AA | 2 | 900MCM | 1250MCM | 715MCM | 1113MCM | 3 1/4 | 3 1/4 | 7 1/8 | 1/2 | 1/2 |
| RPCV200-160-AA | 2 | 1250MCM | 1600MCM | 1113MCM | 1431MCM | 3 1/4 | 4 3/4 | 8 1/4 | 1/2 | 5/8 |
| RPCV200-200-AA | 2 | 1500MCM | 2000MCM | 1272MCM | 1780MCM | 3 1/4 | 4 1/2 | 8 3/8 | 1/2 | 5/8 |
| RPCV250-25-AA | 2 1/2 | 1/0STR | 250MCM | 1/0STR | 4/0STR | 3 1/4 | 3 | 6 7/8 | 1/2 | 1/2 |
| RPCV250-40-AA | 2 1/2 | 250MCM | 400MCM | 4/0STR | 397.5 MCM | 3 1/4 | 3 | 6 7/8 | 1/2 | 1/2 |
| RPCV250-60-AA | 2 1/2 | 350MCM | 600MCM | 366.4 MCM | 477MCM | 3 1/4 | 3 | 6 7/8 | 1/2 | 1/2 |
| RPCV250-90-AA | 2 1/2 | 500MCM | 900MCM | 477MCM | 795MCM | 3 1/4 | 3 | 6 7/8 | 1/2 | 1/2 |
| RPCV250-125-AA | 2 1/2 | 900MCM | 1250MCM | 715MCM | 1113MCM | 3 1/4 | 3 1/4 | 7 1/8 | 1/2 | 1/2 |
| RPCV250-160-AA | 2 1/2 | 1250MCM | 1600MCM | 1113MCM | 1431MCM | 3 1/2 | 4 3/8 | 8 1/2 | 5/8 | 5/8 |
| RPCV300-25-AA | 3 | 1/0STR | 250MCM | 1/0STR | 4/0STR | 3 1/4 | 3 | 6 7/8 | 1/2 | 1/2 |
| RPCV300-40-AA | 3 | 250MCM | 400MCM | 4/0STR | 397.5 MCM | 3 1/4 | 3 | 6 7/8 | 1/2 | 1/2 |
| RPCV300-60-AA | 3 | 350MCM | 600MCM | 336.4 MCM | 477MCM | 3 1/4 | 3 | 6 7/8 | 1/2 | 1/2 |
| RPCV300-90-AA | 3 | 500MCM | 900MCM | 477MCM | 795MCM | 3 1/4 | 3 | 6 7/8 | 1/2 | 1/2 |
| RPCV300-125-AA | 3 | 900MCM | 1250MCM | 715MCM | 1113MCM | 3 1/4 | 3 1/4 | 7 1/8 | 1/2 | 1/2 |
| RPCV300-160-AA | 3 | 1250MCM | 1600MCM | 1113MCM | 1431MCM | 3 3/4 | 4 3/8 | 8 3/4 | 5/8 | 5/8 |
| RPCV300-200-AA | 3 | 1500MCM | 2000MCM | 1272MCM | 1780MCM | 3 3/4 | 4 1/2 | 8 7/8 | 5/8 | 5/8 |
| RPCV300-250-AA | 3 | 2000MCM | 2500MCM | 1780 MCM | 2300 MCM | 3 3/4 | 4 1/2 | 8 7/8 | 5/8 | 5/8 |
| RPCV300-350-AA | 3 | 3000 MCM | 3500 MCM | — | — | 3 3/4 | 4 1/2 | 8 7/8 | 5/8 | 5/8 |
| RPCV350-40-AA | 3 1/2 | 250MCM | 400MCM | 4/0STR | 397.5 MCM | 3 1/4 | 3 | 6 7/8 | 1/2 | 1/2 |
| RPCV350-60-AA | 3 1/2 | 350MCM | 600MCM | 336.4 MCM | 477MCM | 3 1/4 | 3 | 6 7/8 | 1/2 | 1/2 |
| RPCV350-90-AA | 3 1/2 | 500MCM | 900MCM | 477MCM | 795MCM | 3 1/4 | 3 | 6 7/8 | 1/2 | 1/2 |
| RPCV350-125-AA | 3 1/2 | 900MCM | 1250MCM | 715MCM | 1113MCM | 3 1/4 | 3 1/4 | 7 1/8 | 1/2 | 1/2 |
| RPCV350-160-AA | 3 1/2 | 1250MCM | 1600MCM | 1113MCM | 1431MCM | 3 3/4 | 4 3/8 | 8 3/4 | 5/8 | 5/8 |
| RPCV350-200-AA | 3 1/2 | 1500MCM | 2000MCM | 1272MCM | 1780MCM | 3 3/4 | 4 1/2 | 8 7/8 | 5/8 | 5/8 |
| RPCV400-40-AA | 4 | 250MCM | 400MCM | 4/0STR | 397.5 MCM | 3 3/4 | 3 | 6 7/8 | 1/2 | 1/2 |
| RPCV400-60-AA | 4 | 350MCM | 600MCM | 336.4 MCM | 477MCM | 3 3/4 | 3 | 6 7/8 | 1/2 | 1/2 |
| RPCV400-90-AA | 4 | 500MCM | 900MCM | 477MCM | 795MCM | 3 3/4 | 3 | 6 7/8 | 1/2 | 1/2 |
| RPCV400-125-AA | 4 | 900MCM | 1250MCM | 715MCM | 1113MCM | 3 3/4 | 3 1/4 | 7 3/4 | 1/2 | 1/2 |
| RPCV400-160-AA | 4 | 1250MCM | 1600MCM | 1113MCM | 1431MCM | 3 3/4 | 4 3/8 | 8 3/4 | 5/8 | 5/8 |
| RPCV400-200-AA | 4 | 1500MCM | 2000MCM | 1272MCM | 1780MCM | 3 3/4 | 4 1/2 | 8 7/8 | 5/8 | 5/8 |
| RPCV400-250-AA | 4 | 2000 MCM | 2500 MCM | 1780 MCM | 2300 MCM | 3 3/4 | 4 1/2 | 9 | 5/8 | 5/8 |
| RPCV500-60-AA | 5 | 350MCM | 600MCM | 336.4 MCM | 477MCM | 3 1/4 | 3 | 6 7/8 | 1/2 | 1/2 |
| RPCV500-90-AA | 5 | 500MCM | 900MCM | 477MCM | 795MCM | 3 1/4 | 3 | 6 7/8 | 1/2 | 1/2 |
| RPCV500-125-AA | 5 | 900MCM | 1250MCM | 715MCM | 1113MCM | 3 1/4 | 3 1/4 | 7 1/8 | 1/2 | 1/2 |
| RPCV500-160-AA | 5 | 1250MCM | 1600MCM | 1113MCM | 1431MCM | 7 | 4 3/8 | 11 3/4 | 5/8 | 5/8 |
| RPCV500-200-AA | 5 | 1500MCM | 2000MCM | 1272MCM | 1780MCM | 3 3/4 | 4 1/2 | 8 7/8 | 5/8 | 5/8 |



© 2011, AFL, all rights reserved. PP-3-00433, Revision 2, 2.1.19
Specifications are subject to change without notice.

# 230 kV Aluminum Bolted Couplers



DOSSERT®

## TYPE UK-AA

### Aluminum U-Bolt Coupler



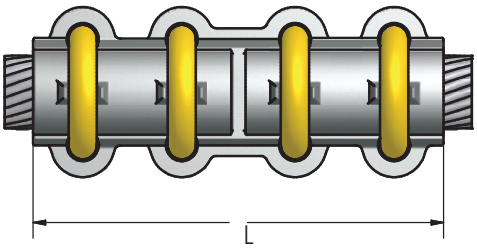
A U-Bolt type straight connector for coupling end to end two cables. Each half of the connector takes a wide range of cable sizes. Designed to provide high contact pressure on all cable sizes.

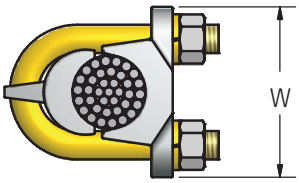
### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum nuts, U-bolts and lockwashers.




## Ordering Information

| CATALOG NUMBER | AAC CABLE RANGE | | DIMENSIONS IN INCHES | | U-BOLT SIZE |
|---|---|---|---|---|---|
| | MIN | MAX | L | W | |
| UK13-AA | 6 | #2/0 | 6 1/4 | 2 1/16 | 1/2 |
| UK21-AA | 1 | #4/0 | 6 1/4 | 2 7/32 | 1/2 |
| UK30-AA | #1/0 | 300 | 6 3/4 | 2 5/16 | 1/2 |
| UK50-AA | 300 | 500 | 7 1/4 | 2 1/2 | 1/2 |
| UK90-AA | 500 | 900 | 7 1/4 | 2 25/32 | 1/2 |
| UK100-AA | 750 | 1000 | 7 1/4 | 2 27/32 | 1/2 |
| UK125-AA | 600 | 1250 | 7 1/4 | 3 | 1/2 |
| UK150-AA | 1000 | 1500 | 9 1/4 | 3 11/32 | 5/8 |
| UK200-AA | 1500 | 2000 | 9 1/4 | 3 5/8 | 5/8 |

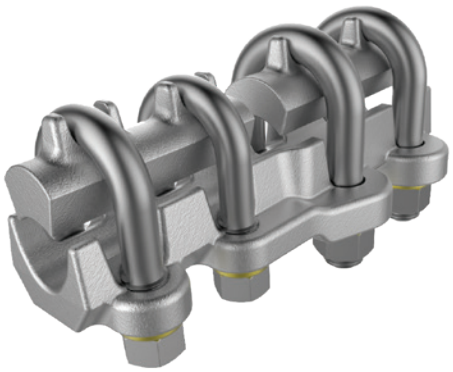


© 2011, AFL, all rights reserved. PP-3-00494, Revision 1, 7.23.13
Specifications are subject to change without notice.

DOSSERT®

# TYPE UKR-AA

## Aluminum U-Bolt Coupler Reducer



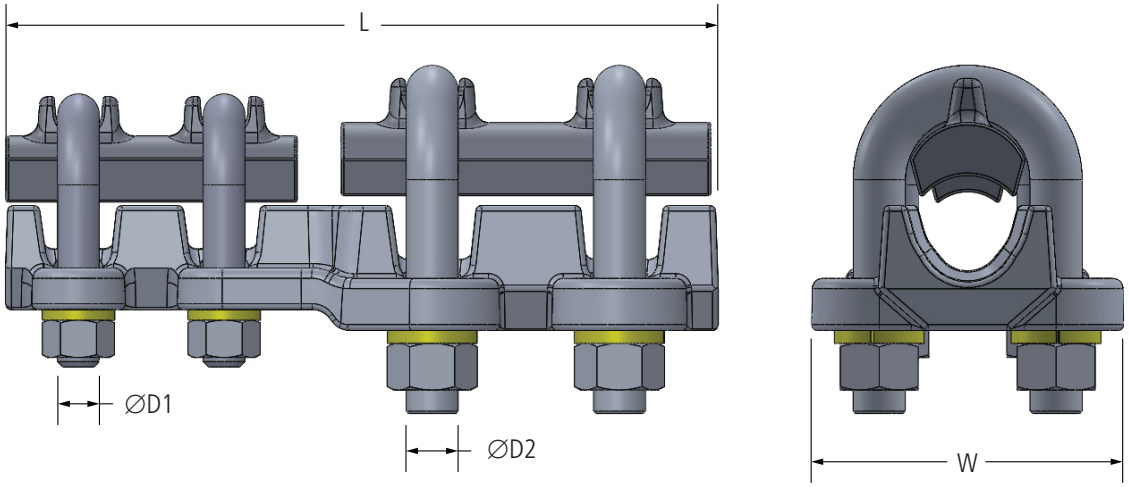
A U-Bolt type reducer connector for coupling end to end two unequal size cables. The variability of each half of the connector makes possible the combination of many sizes of cable.

### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum nuts, U-bolts and lockwashers.




## Ordering Information

| CATALOG NUMBER | CABLE RANGE | | | | DIMENSIONS IN INCHES | | U-BOLT SIZE | |
|---|---|---|---|---|---|---|---|---|
| | MAIN | | TAP | | | | | |
| | MIN | MAX | MIN | MAX | L | W | D1 | D2 |
| UKR21-13-AA | 1 | 4/0 | 6 | 2/0 | 6 1/4 | 2 7/32 | 1/2 | 1/2 |
| UKR30-13-AA | 1/0 | 300 | 6 | 2/0 | 6 1/2 | 2 5/16 | 1/2 | 1/2 |
| UKR30-21-AA | 1/0 | 300 | 1 | 4/0 | 6 1/2 | 2 5/16 | 1/2 | 1/2 |
| UKR50-13-AA | 300 | 500 | 6 | 2/0 | 6 1/2 | 2 1/2 | 1/2 | 1/2 |
| UKR50-21-AA | 300 | 500 | 1 | 4/0 | 6 1/2 | 2 1/2 | 1/2 | 1/2 |
| UKR50-30-AA | 300 | 500 | 1/0 | 300 | 6 3/4 | 2 1/2 | 1/2 | 1/2 |
| UKR90-13-AA | 500 | 900 | 6 | 2/0 | 6 3/4 | 2 5/32 | 1/2 | 1/2 |
| UKR90-21-AA | 500 | 900 | 1 | 4/0 | 6 3/4 | 2 5/32 | 1/2 | 1/2 |
| UKR90-30-AA | 500 | 900 | 1/0 | 300 | 7 | 2 5/32 | 1/2 | 1/2 |
| UKR90-50-AA | 500 | 900 | 300 | 500 | 7 | 2 5/32 | 1/2 | 1/2 |
| UKR100-21-AA | 500 | 900 | 1 | 4/0 | 6 3/4 | 2 7/32 | 1/2 | 1/2 |
| UKR100-30-AA | 750 | 1000 | 1/0 | 300 | 7 | 2 7/32 | 1/2 | 1/2 |
| UKR100-50-AA | 750 | 1000 | 300 | 500 | 7 | 2 7/32 | 1/2 | 1/2 |
| UKR100-90-AA | 750 | 1000 | 500 | 900 | 7 1/4 | 2 7/32 | 1/2 | 1/2 |
| UKR150-30-AA | 1000 | 1500 | 1/0 | 300 | 7 1/2 | 3 11/32 | 1/2 | 1/2 |
| UKR150-50-AA | 1000 | 1500 | 300 | 500 | 7 1/2 | 3 11/32 | 1/2 | 1/2 |
| UKR150-90-AA | 1000 | 1500 | 500 | 900 | 8 3/8 | 3 3/4 | 1/2 | 5/8 |
| UKR150-100-AA | 1000 | 1500 | 750 | 1000 | 7 3/4 | 3 11/32 | 1/2 | 1/2 |
| UKR200-50-AA | 1500 | 2000 | 300 | 500 | 7 1/2 | 3 9/16 | 1/2 | 1/2 |
| UKR200-90-AA | 1500 | 2000 | 500 | 900 | 7 3/4 | 3 9/16 | 1/2 | 1/2 |
| UKR200-100-AA | 1500 | 2000 | 750 | 1000 | 7 3/4 | 3 9/16 | 1/2 | 1/2 |
| UKR200-150-AA | 1500 | 2000 | 1000 | 1500 | 9 3/4 | 3 9/16 | 5/8 | 5/8 |



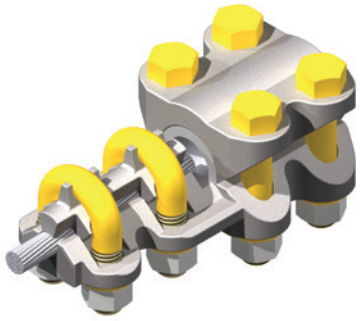
© 2011, AFL, all rights reserved. PP-3-00496, Revision 1, 8.24.2020
Specifications are subject to change without notice.

# 230 kV Aluminum Bolted Couplers

## DOSSERT®

## TYPE UPK-AA

### Reducing U-Bolt Pipe to Cable Coupler



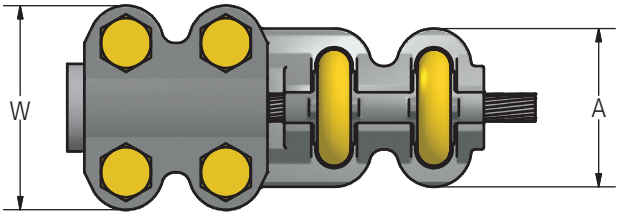
A U-bolt cable to pipe coupler. The variable U-bolt feature makes it possible for the connector for a given pipe size to accommodate several different cable sizes.

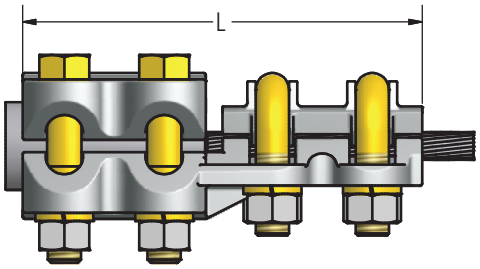
### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum nuts, bolts, U-bolts and lockwashers.




## Ordering Information

| CATALOG NUMBER | SPS | CABLE RANGE | | DIMENSIONS IN INCHES | | | BOLT SIZE | U-BOLT SIZE |
|---|---|---|---|---|---|---|---|---|
| | | MIN | MAX | A | L | W | | |
| UPK50-13-AA | 1/2 | 6STR | 2/0STR | 2 1/8 | 6 | 2 19/32 | 1/2 | 1/2 |
| UPK50-21-AA | 1/2 | 1STR | 4/0STR | 2 7/32 | 6 | 2 19/32 | 1/2 | 1/2 |
| UPK50-30-AA | 1/2 | 1/0STR | 300MCM | 2 5/16 | 6 1/4 | 2 19/32 | 1/2 | 1/2 |
| UPK75-13-AA | 3/4 | 6STR | 2/0STR | 2 1/8 | 6 1/4 | 2 19/32 | 1/2 | 1/2 |
| UPK75-21-AA | 3/4 | 1STR | 4/0STR | 2 732 | 6 1/4 | 2 13/16 | 1/2 | 1/2 |
| UPK75-30-AA | 3/4 | 1/0STR | 300MCM | 2 5/16 | 6 1/2 | 2 13/16 | 1/2 | 1/2 |
| UPK75-50-AA | 3/4 | 300MCM | 500MCM | 2 1/2 | 6 1/2 | 2 13/16 | 1/2 | 1/2 |
| UPK100-13-AA | 1 | 6STR | 2/0STR | 2 1/8 | 6 1/4 | 2 13/16 | 1/2 | 1/2 |
| UPK100-21-AA | 1 | 1STR | 4/0STR | 2 7/32 | 6 1/4 | 3 1/16 | 1/2 | 1/2 |
| UPK100-30-AA | 1 | 1/0STR | 300MCM | 2 5/16 | 6 1/2 | 3 1/16 | 1/2 | 1/2 |
| UPK100-50-AA | 1 | 300MCM | 500MCM | 2 1/2 | 6 1/2 | 3 1/16 | 1/2 | 1/2 |
| UPK100-90-AA | 1 | 500MCM | 900MCM | 2 25/32 | 6 1/2 | 3 1/16 | 1/2 | 1/2 |
| UPK125-13-AA | 1 1/4 | 6STR | 2/0STR | 2 1/8 | 6 5/8 | 3 1/16 | 1/2 | 1/2 |
| UPK125-21-AA | 1 1/4 | 1STR | 4/0STR | 2 7/32 | 6 5/8 | 3 13/32 | 1/2 | 1/2 |
| UPK125-30-AA | 1 1/4 | 1/0STR | 300MCM | 2 5/16 | 6 7/8 | 3 13/32 | 1/2 | 1/2 |
| UPK125-50-AA | 1 1/4 | 300MCM | 500MCM | 2 1/2 | 6 7/8 | 3 13/32 | 1/2 | 1/2 |
| UPK125-90-AA | 1 1/4 | 500MCM | 900MCM | 2 25/32 | 6 7/8 | 3 13/32 | 1/2 | 1/2 |
| UPK125-100-AA | 1 1/4 | 750MCM | 1000MCM | 2 27/32 | 7 1/8 | 3 13/32 | 1/2 | 1/2 |
| UPK150-13-AA | 1 1/2 | 6STR | 2/0STR | 2 1/8 | 6 3/8 | 3 21/32 | 1/2 | 1/2 |
| UPK150-21-AA | 1 1/2 | 1STR | 4/0STR | 2 7/32 | 6 5/8 | 3 21/32 | 1/2 | 1/2 |
| UPK150-30-AA | 1 1/2 | 1/0STR | 300MCM | 2 5/16 | 6 7/8 | 3 21/32 | 1/2 | 1/2 |
| UPK150-50-AA | 1 1/2 | 300MCM | 500MCM | 2 1/2 | 6 7/8 | 3 21/32 | 1/2 | 1/2 |
| UPK150-90-AA | 1 1/2 | 500MCM | 900MCM | 2 13/16 | 7 | 3 21/32 | 1/2 | 1/2 |
| UPK150-100-AA | 1 1/2 | 750MCM | 1000MCM | 2 27/32 | 7 1/8 | 3 21/32 | 1/2 | 1/2 |
| UPK150-150-AA | 1 1/2 | 1000MCM | 1500MCM | 3 1/2 | 7 5/8 | 3 21/32 | 1/2 | 5/8 |
| UPK150-200-AA | 1 1/2 | 1500MCM | 2000MCM | 3 11/16 | 7 7/8 | 3 21/32 | 1/2 | 5/8 |
| UPK200-21-AA | 2 | 1STR | 4/0STR | 2 7/32 | 6 7/8 | 4 1/8 | 1/2 | 1/2 |
| UPK200-30-AA | 2 | 1/0STR | 300MCM | 2 5/16 | 7 1/8 | 4 1/8 | 1/2 | 1/2 |
| UPK200-50-AA | 2 | 300MCM | 500MCM | 2 1/2 | 7 1/8 | 4 1/8 | 1/2 | 1/2 |
| UPK200-90-AA | 2 | 500MCM | 900MCM | 2 25/32 | 7 1/8 | 4 1/8 | 1/2 | 1/2 |
| UPK200-100-AA | 2 | 750MCM | 1000MCM | 2 27/32 | 7 3/8 | 4 1/8 | 1/2 | 1/2 |
| UPK200-150-AA | 2 | 1000MCM | 1500MCM | 3 1/2 | 7 5/8 | 4 1/8 | 1/2 | 5/8 |
| UPK200-200-AA | 2 | 1500MCM | 2000MCM | 3 11/16 | 7 7/8 | 4 1/8 | 1/2 | 5/8 |
| UPK300-90-AA | 3 | 500MCM | 900MCM | 2 35/32 | 7 1/4 | 5 1/4 | 1/2 | 1/2 |
| UPK300-150-AA | 3 | 1000MCM | 1500MCM | 3 1/2 | 9 1/4 | 5 5/8 | 5/8 | 5/8 |
| UPK300-200-AA | 3 | 1500MCM | 2000MCM | 3 1/2 | 8 7/8 | 5 1/2 | 5/8 | 5/8 |



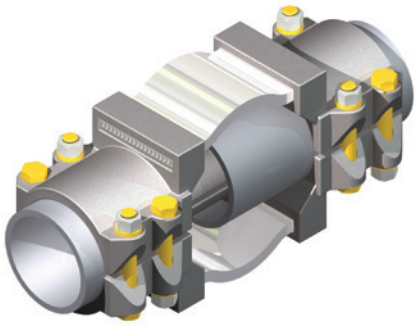
© 2011, AFL, all rights reserved. PP-3-00510, 1.16.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE XCW-AA

### Expansion Coupler Connector

Expansion couplers are designed to compensate for expansion and contraction in long bus runs.

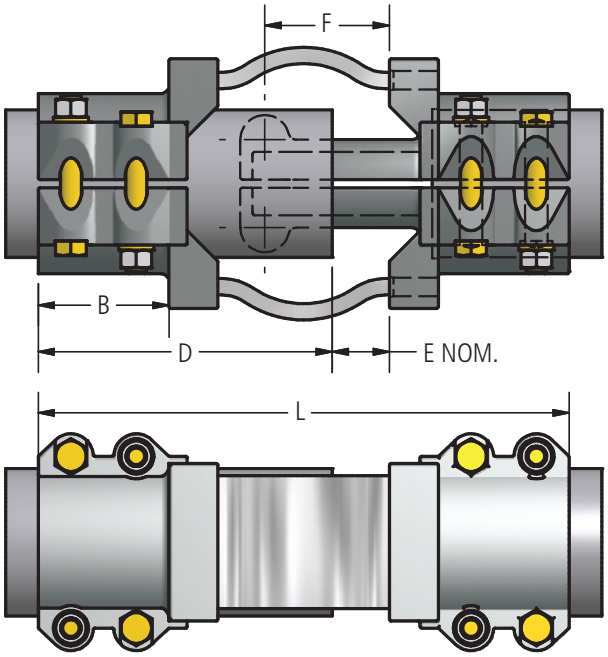


### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, and lockwashers.




## Ordering Information

| CATALOG NUMBER | | SPS | DIMENSIONS IN INCHES | | | | | |
|---|---|---|---|---|---|---|---|---|
| SCH40 | SCH80 | | B | D | E | F | L | BOLT SIZE |
| XCW100-AA | XCW100E-AA | 1 | 2-3/4 | 7-5/16 | 1-1/2 | 3-1/4 | 12-5/16 | 1/2 |
| XCW125-AA | XCW125E-AA | 1-1/4 | 3 | 8-1/2 | 1-1/2 | 3-1/4 | 14-3/4 | 1/2 |
| XCW150-AA | XCW150E-AA | 1-1/2 | 3 | 8-11/16 | 1-1/2 | 3-1/2 | 15-3/16 | 1/2 |
| XCW200-AA | XCW200E-AA | 2 | 3-1/4 | 8-1/2 | 2-1/8 | 4-3/4 | 16-1/2 | 1/2 |
| XCW250-AA | XCW250E-AA | 2-1/2 | 3-1/4 | 9-7/16 | 2-1/8 | 4-3/4 | 17-7/16 | 1/2 |
| XCW300-AA | XCW300E-AA | 3 | 3-1/2 | 10-1/2 | 2-1/8 | 4-3/4 | 18-3/4 | 5/8 |
| XCW350-AA | XCW350E-AA | 3-1/2 | 3-1/2 | 11 | 2-1/8 | 4-3/4 | 19-3/4 | 5/8 |
| XCW400-AA | XCW400E-AA | 4 | 3-3/4 | 11-13/16 | 2-1/8 | 4-3/4 | 20-11/16 | 5/8 |
| XCW500-AA | XCW500E-AA | 5 | 4 | 12 | 2-7/8 | 6-5/8 | 21-7/8 | 5/8 |
| XCW600-AA | XCW600E-AA | 6 | 4 | 14-1/4 | 2-7/8 | 6-5/8 | 24-1/8 | 5/8 |



© 2011, AFL, all rights reserved. PP-3-00592, 1.16.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE CI-AA SERIES

### 'Drive Fit' End Plug

'Drive fit' end plugs are designed to be forced into end of bus tube. End plug reduces electrostatic losses, seals out moisture and prevents birds from nesting in tube ends.



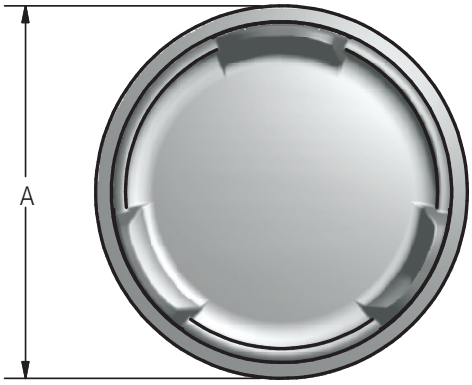
### Material

Aluminum Alloy

### Ordering Instructions

Step 1: Determine Catalog Number based on the bus conductor being used.
Example: End Plug for 4" schedule 40 bus pipe, the complete catalog number is: CI400-AA.




## Ordering Information

| CATALOG NUMBER | | CONDUCTOR SIZE | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|---|
| SCH40 | SCH80 | SPS/EHPS | A | B | C |
| CI75-AA | CI75E-AA | 3/4 | 1.1 | .9 | 0.50 |
| CI100-AA | CI100E-AA | 1 | 1.3 | 1.0 | 0.56 |
| CI125-AA | CI125E-AA | 1 1/4 | 1.7 | 1.0 | 0.63 |
| CI150-AA | CI150E-AA | 1 1/2 | 1.9 | 1.0 | 0.60 |
| CI200-AA | CI200E-AA | 2 | 2.4 | 1.3 | 0.90 |
| CI250-AA | CI250E-AA | 2 1/2 | 2.9 | 1.6 | 1.10 |
| CI300-AA | CI300E-AA | 3 | 3.5 | 1.8 | 1.10 |
| CI350-AA | CI350E-AA | 3 1/2 | 4.0 | 2.4 | 1.60 |
| CI400-AA | CI400E-AA | 4 | 4.5 | 2.9 | 2.00 |
| CI500-AA | CI500E-AA | 5 | 5.6 | 3.4 | 2.40 |
| CI600-AA | CI600E-AA | 6 | 6.6 | 3.9 | 2.80 |
| CI600R-AA 3/8 in wall | | 6 OD | 6.0 | 3.5 | 2.50 |
| CI800-AA | CI800E-AA | 8 | 8.6 | 4.0 | 3.00 |
| CI800R-AA 1/2 in wall | | 8 OD | 8.0 | 4.0 | 3.00 |

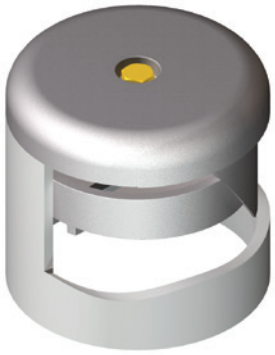


© 2011, AFL, all rights reserved. PP-3-00286, Revision 1, 3.18.19
Specifications are subject to change without notice.

# DOSSERT®

## TYPE 16200

### Internal Bolted End Plug



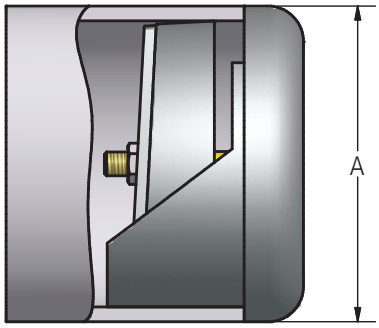
Bolted end plug is designed to wedge on inside of bus tube. End plugs reduce electrostatic losses, seal out moisture and prevent birds from nesting in tube ends. Bolted end plugs can be easily removed for modifications or future expansions.

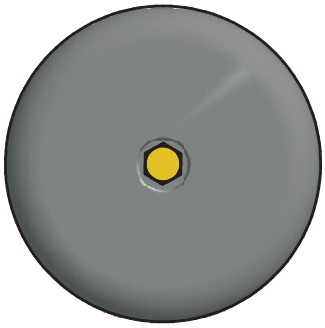
### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, and lockwashers.



## Ordering Information

| CATALOG NUMBER | | CONDUCTOR SIZE | DIMENSIONS IN INCHES | BOLT SIZE | NOMINAL WEIGHT LBS |
|---|---|---|---|---|---|
| SCH40 | SCH80 | SPS & EHPS | A | | |
| 16204 | 16224 | 1-1/4 | 1.66 | 1/4 | 0.25 |
| 16205 | 16225 | 1-1/2 | 1.90 | 1/4 | 0.37 |
| 16206 | 16226 | 2 | 2.38 | 1/4 | 0.45 |
| 16207 | 16227 | 2-1/2 | 2.88 | 3/8 | 0.64 |
| 16208 | 16228 | 3 | 3.50 | 3/8 | 0.86 |
| 16209 | 16229 | 3-1/2 | 4.00 | 3/8 | 0.98 |
| 16210 | 16230 | 4 | 4.50 | 3/8 | 1.90 |
| 16212 | 16232 | 5 | 5.56 | 3/8 | 2.30 |
| 16213 | 16233 | 6 | 6.62 | 1/2 | 4.50 |





© 2011, AFL, all rights reserved. PP-3-00158, 1.16.11
Specifications are subject to change without notice.

DOSSERT®

# TYPE CX-AA

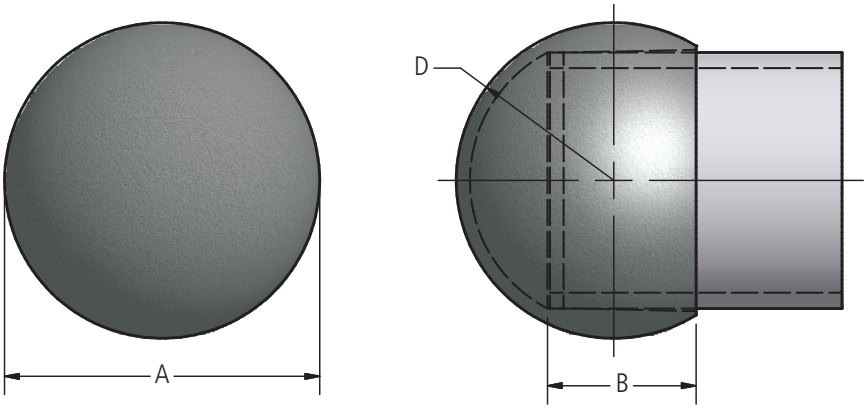
## Aluminum Corona Bell For Tubular Bus



Corona Bell for sealing the exposed ends of standard pipe size tubular buses. Prevents rain and undue condensation from accumulating inside the bus. The smooth rounded surfaces reduce electrostatic discharge thereby aiding in the reduction of power transmission losses.

### Material

Aluminum Alloy




## Ordering Information

| CATALOG NUMBER | SPS | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|
| | | A | B | D |
| CX50-AA | 1/2 | 1 1/8 | 3/4 | 9/16 |
| CX75-AA | 3/4 | 1 3/8 | 7/8 | 11/16 |
| CX100-AA | 1 | 1 3/4 | 1 1/8 | 7/8 |
| CX125-AA | 1 1/4 | 2 1/8 | 1 1/8 | 1 1/16 |
| CX150-AA | 1 1/2 | 2 9/16 | 1 3/8 | 1 9/32 |
| CX200-AA | 2 | 3 1/8 | 1 1/2 | 1 9/16 |
| CX250-AA | 2 1/2 | 3 5/8 | 1 5/8 | 1 13/16 |
| CX300-AA | 3 | 4 5/16 | 1 7/8 | 2 5/32 |
| CX350-AA | 3 1/2 | 5 | 2 1/4 | 2 1/2 |
| CX400-AA | 4 | 5 1/2 | 2 1/2 | 2 3/4 |
| CX450-AA | 4 1/2 | 5 5/8 | 2 3/4 | 2 13/16 |
| CX500-AA | 5 | 6 3/4 | 3 | 3 3/8 |
| CX600-AA | 6 | 6 7/8 | 3 1/4 | 3 15/16 |



© 2011, AFL, all rights reserved. PP-3-00300, Rev 1, 10.24.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE DEC-AA, DEC-G-AA

### Dead End Clamp

Dead ending strain clamp for stranded cable.



DEC-AA

### Material

Aluminum Alloy

### Hardware

Galvanized steel U-bolts, nuts, clevis pin, stainless steel cotter pin and lockwashers.

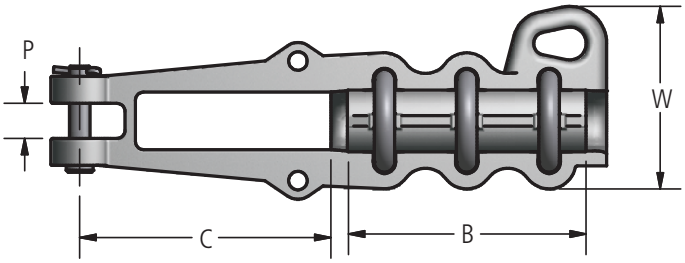


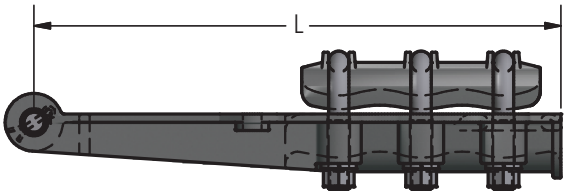
DEC-G-AA

### Notes

For a socket eye add suffix "-SO" to end of catalog number.
EX: DEC159A-AA-SO






## Ordering Information

| CATALOG NUMBER | | CABLE SIZE | | NUMBER OF U-BOLTS | DIMENSIONS IN INCHES | | | | |
|---|---|---|---|---|---|---|---|---|---|
| DEC-AA | DEC-G-AA | MIN | MAX | | B | C | L | P | W |
| DEC26A-AA | DEC26A-G-AA | #4STR ACSR | 266.5 MCM ACSR | 2 | 3 3/4 | 3 9/16 | 9 5/8 | 11/16 | 3 1/2 |
| DEC50-AA | DEC50-G-AA | 4/0 AAC | 500 MCM AAC | 2 | 3 1/4 | 4 13/16 | 9 5/8 | 11/16 | 2 3/4 |
| DEC103A-AA | DEC103A-G-AA | 477 MCM ACSR | 1033.5 MCM ACSR | 3 | 6 1/4 | 5 3/8 | 13 5/8 | 15/16 | 5 |
| DEC159A-AA | DEC159A-G-AA | 715.5 MCM ACSR | 1800 MCM AAC | 2 | 6 1/4 | 7 1/4 | 14 7/8 | 1 1/16 | 5 3/16 |
| DEC200-AA | DEC200-G-AA | 1500 MCM AAC | 2000 MCM AAC | 3 | 7 1/4 | 7 5/8 | 16 | 1 1/16 | 5 1/2 |



© 2010, AFL, all rights reserved. PP-3-00306, Revision 2, 3.28.14
Specifications are subject to change without notice.

# DOSSERT®

## TYPE SEC-A-2U-AA

Straight Dead End Clamp with Pulling Eye

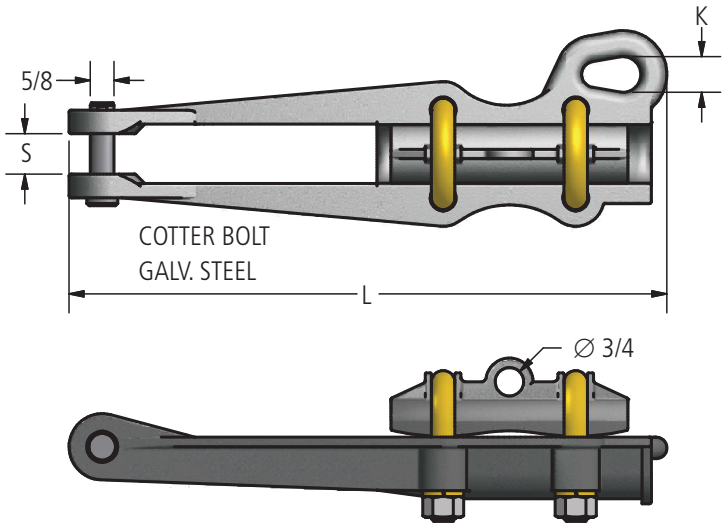


### Material

Aluminum Alloy

### Hardware

Galvanized steel bolts, nuts, and lockwashers.






## Ordering Information

| CATALOG NUMBER | CABLE RANGE AAC | | CABLE RANGE ACSR | | DIAMETER | | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|
| | MIN | MAX | MIN | MAX | MIN | MAX | K | L | S | |
| SEC13A-2U | 6 STR | 2/0 STR | 6 | 2/0 | .184 | .460 | 7/8 | 8 5/16 | 11/16 | 3/8 |
| SEC26A-2U | 2 STR | 266.8 MCM | 4 | 266.8 MCM | .247 | .642 | 7/8 | 9 5/8 | 11/16 | 1/2 |
| SEC34A-2U | 3/0 | 350 MCM | 3/0 | 336.4 MCM | .464 | .741 | 7/8 | 9 3/4 | 13/16 | 1/2 |
| SEC48A-2U | 4/0 | 556.5 MCM | 3/0 | 477 MCM | .522 | .858 | 7/8 | 9 3/4 | 13/16 | 1/2 |
| SEC64A-2U | 300 MCM | 795 MCM | 266.8 MCM | 666 MCM | .626 | 1.026 | 15/16 | 11 | 1 1/16 | 1/2 |
| SEC111A-2U | 600 MCM | 1272 MCM | 556.5 MCM | 1113 MCM | .879 | 1.300 | 15/16 | 12 5/8 | 1 1/16 | 1/2 |
| SEC159A-2U | 750 MCM | 1800 MCM | 715.5 MCM | 1590 MCM | .987 | 1.548 | 15/16 | 14 7/8 | 1 1/16 | 5/8 |



© 2011, AFL, all rights reserved. PP-3-00455, Revision 3, 3.28.14
Specifications are subject to change without notice.

# DOSSERT®

## TYPE SEC-AA, SEC-P-AA

### Dead End Clamp

The SEC-AA is a straight dead end clamp with no pulling eye. The SEC-P-AA is a dead end clamp with a pulling eye.



SEC-AA



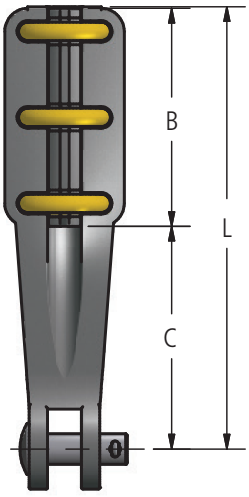
SEC-P-AA

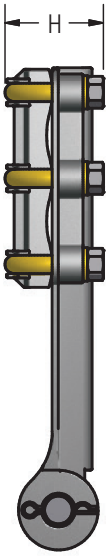
### Material

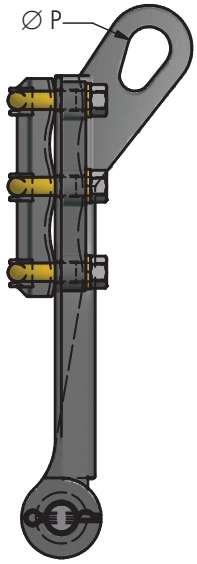
Aluminum Alloy

### Hardware

Yellow anodized aluminum U-bolts, nuts and lockwashers.
Galvanized steel clevis pin, stainless steel cotter pin.




## Ordering Information

| CATALOG NUMBER | | CONDUCTOR RANGE AAC | | DIMENSIONS IN INCHES | | | | | U-BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|
| SEC-AA | SEC-P-AA | MIN | MAX | B | C | H | L | P | |
| SEC21-AA | SEC21-P-AA | 1 STR | 4/0 STR | 5 1/4 | 4 3/8 | 2 1/8 | 9 5/8 | 7/8 | 3/8 |
| SEC35-AA | SEC35-P-AA | 4/0 STR | 350 MCM | 5 3/8 | 4 3/8 | 2 5/8 | 9 3/4 | 1 | 3/8 |
| SEC50-AA | SEC50-P-AA | 350 MCM | 500 MCM | 5 3/4 | 4 5/8 | 2 3/4 | 10 3/8 | 1 1/8 | 1/2 |
| SEC100-AA | SEC100-P-AA | 500 MCM | 1000 MCM | 6 1/4 | 5 | 3 1/2 | 11 1/4 | 1 1/4 | 1/2 |
| SEC103-AA | SEC103-P-AA | 500 MCM | 1033.5 ACSR | 6 1/4 | 7 1/2 | 3 1/2 | 13 3/4 | 1 1/4 | 1/2 |
| — | SEC200-P-AA | 1500 MCM | 2000 MCM | 6 1/4 | 8 | 4 1/4 | 14 1/4 | 1 1/4 | 5/8 |
| SEC216-AA | — | 1590 MCM | 2156 MCM | 6 1/8 | 3 1/2 | 4 1/16 | 10 9/16 | - | 1/2 |





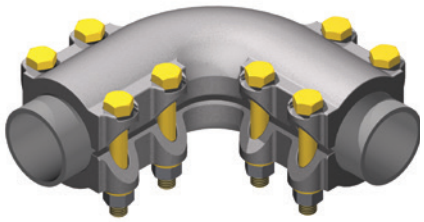
© 2011, AFL, all rights reserved. PP-3-00456, Revision 2, 4.11.2022
Specifications are subject to change without notice.

# DOSSERT®

## TYPE EP-AA, EP-30-AA, EP-45-AA, EP-60-AA

### Clamp Type Elbow For Tubular Bus

A clamp type elbow for connecting standard pipe size tubular buses at 30, 45, 60, and 90 degree angles to each other. Conductor bearing areas are accurately machine finished with a special surface to provide good electrical contact and high pull-out strength.



EP-AA

### Material

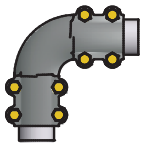
Aluminum Alloy

### Hardware

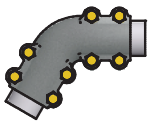
Yellow anodized aluminum bolts, nuts, and lockwashers.

### Example

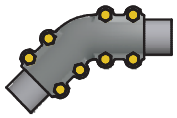
*Example: For a 2" SPS Pipe, 30 degree angle, order EP200-30-AA.*



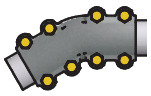
EP-90-AA
90 DEGREES



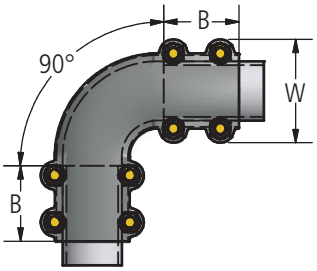
EP-60-AA
60 DEGREES

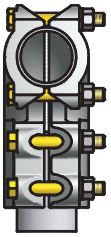


EP-45-AA
45 DEGREES



EP-30-AA
30 DEGREES



## Ordering Information

| CATALOG NUMBER | | | | SPS | DIMENSIONS IN INCHES | | BOLT SIZE | NUMBER OF BOLTS |
|---|---|---|---|---|---|---|---|---|
| EP-AA | EP-60-AA | EP-45-AA | EP-30-AA | | B | W | | |
| EP50-AA | EP50-60-AA | EP50-45-AA | EP50-30-AA | 1/2 | 3 | 2 5/8 | 1/2 | 8 |
| EP75-AA | EP75-60-AA | EP75-45-AA | EP75-30-AA | 3/4 | 2 3/4 | 2 3/4 | 1/2 | 8 |
| EP100-AA | EP100-60-AA | EP100-45-AA | EP100-30-AA | 1 | 2 3/4 | 3 1/16 | 1/2 | 8 |
| EP125-AA | EP125-60-AA | EP125-45-AA | EP125-30-AA | 1 1/4 | 3 | 3 7/16 | 1/2 | 8 |
| EP150-AA | EP150-60-AA | EP150-45-AA | EP150-30-AA | 1 1/2 | 3 | 3 11/16 | 1/2 | 8 |
| EP200-AA | EP200-60-AA | EP200-45-AA | EP200-30-AA | 2 | 3 1/4 | 4 1/4 | 1/2 | 8 |
| EP250-AA | EP250-60-AA | EP250-45-AA | EP250-30-AA | 2 1/2 | 3 1/4 | 4 5/8 | 1/2 | 8 |
| EP300-AA | EP300-60-AA | EP300-45-AA | EP300-30-AA | 3 | 3 3/4 | 5 5/8 | 5/8 | 8 |
| EP350-AA | EP350-60-AA | EP350-45-AA | EP350-30-AA | 3 1/2 | 3 3/4 | 6 1/8 | 5/8 | 8 |
| EP400-AA | EP400-60-AA | EP400-45-AA | EP400-30-AA | 4 | 3 3/4 | 6 5/8 | 5/8 | 8 |
| EP500-AA | EP500-60-AA | EP500-45-AA | EP500-30-AA | 5 | 6 | 7 11/16 | 5/8 | 12 |
| EP600-AA | EP600-60-AA | EP600-45-AA | EP600-30-AA | 6 | 6 | 8 3/4 | 5/8 | 12 |



© 2010, AFL, all rights reserved. PP-3-00328, Revision 1, 2.11.16
Specifications are subject to change without notice.

# DOSSERT®

## TYPE BS-AA

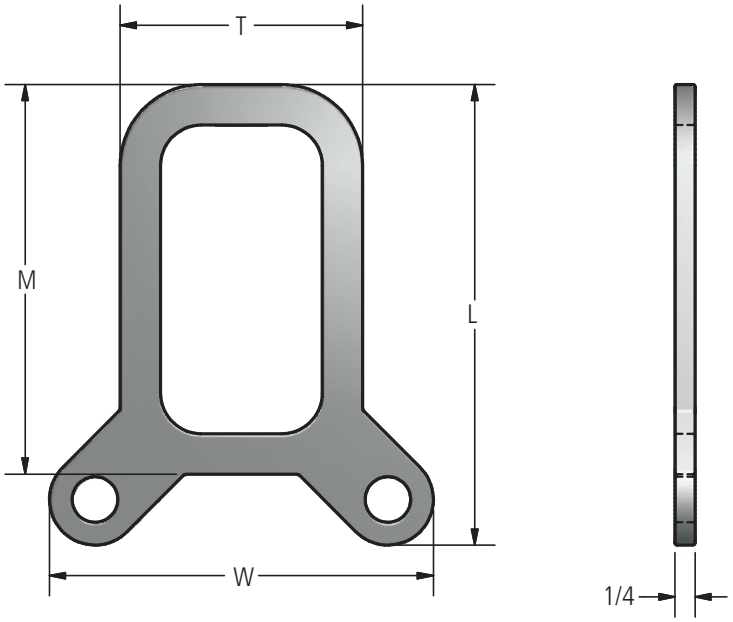
### Alumnium Bar Spacer

An aluminum spacer for a standard bus bar spacing of 1/4 inch. Designed for use with both A and H clamps.



### Material

Aluminum Alloy




## Ordering Information

| CATALOG NUMBER | WIDTH OF BUSES | | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|---|
| | M | T | L | W | BOLT SIZE |
| BS11-AA | 1 | 1 | 1 5/8 | 2 5/16 | 3/8 |
| BS21-AA | 2 | 1 | 2 5/8 | 2 5/16 | 3/8 |
| BS22-AA | 2 | 2 | 2 5/8 | 3 5/16 | 3/8 |
| BS31-AA | 3 | 1 | 3 5/8 | 2 5/16 | 3/8 |
| BS32-AA | 3 | 2 | 3 5/8 | 3 5/16 | 3/8 |
| BS33-AA | 3 | 3 | 3 5/8 | 4 5/16 | 3/8 |
| BS42-AA | 4 | 2 | 4 5/8 | 3 5/16 | 3/8 |
| BS43-AA | 4 | 3 | 4 3/4 | 4 3/4 | 1/2 |
| BS44-AA | 4 | 4 | 4 3/4 | 5 3/4 | 1/2 |
| BS52-AA | 5 | 2 | 5 3/4 | 3 5/8 | 1/2 |
| BS53-AA | 5 | 3 | 5 3/4 | 4 3/4 | 1/2 |
| BS54-AA | 5 | 4 | 5 3/4 | 5 3/4 | 1/2 |
| BS55-AA | 5 | 5 | 5 7/8 | 7 1/8 | 5/8 |
| BS62-AA | 6 | 2 | 6 3/4 | 3 5/8 | 1/2 |
| BS63-AA | 6 | 3 | 6 3/4 | 4 3/4 | 1/2 |
| BS64-AA | 6 | 4 | 6 3/4 | 5 3/4 | 1/2 |
| BS65-AA | 6 | 5 | 6 7/8 | 7 1/8 | 5/8 |
| BS66-AA | 6 | 6 | 6 7/8 | 8 1/8 | 5/8 |



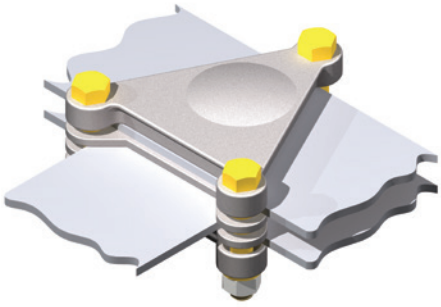


© 2010, AFL, all rights reserved. PP-3-00258, Revision 0, 11.09.10
Specifications are subject to change without notice.

# DOSSERT®
## TYPE DA-AA

### Connectors For Bus Bar Alignment And Coupling

Ruggedly constructed, this connector permits the coupling or aligning of bus while securing high uniform contact pressure between surfaces.



### Material

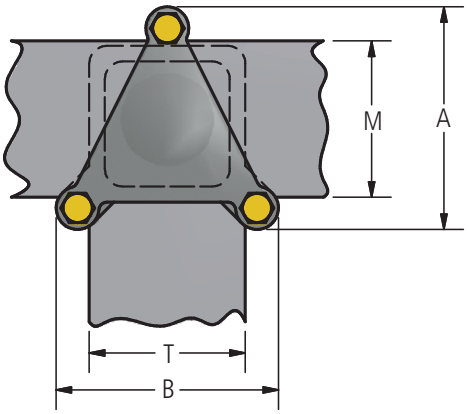
Aluminum Alloy

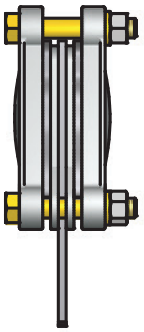
### Hareware

Yellow anodized aluminum bolts, nuts and lockwashers.

### Notes

Unless otherwise specified clamps are provided with bolts of sufficient length to clamp three 1/4" bars (3/4" total thickness). For proper length of bolts specify total number of 1/4" bars and spacers to be clamped or combined thickness or bar and spacer lay up to be clamped. For spacers see BS-AA page 277.



## Ordering Information

| CATALOG NUMBER | DIMENSIONS IN INCHES | | FLAT BUS SIZE | | BOLT SIZE |
|---|---|---|---|---|---|
| | A | B | M | T | |
| DA11-AA | 2 5/16 | 2 5/16 | 1 | 1 | 3/8 |
| DA21-AA | 3 5/16 | 2 5/16 | 2 | 1 | 3/8 |
| DA22-AA | 3 5/16 | 3 5/16 | 2 | 2 | 3/8 |
| DA31-AA | 4 5/16 | 2 5/16 | 3 | 1 | 3/8 |
| DA32-AA | 4 5/16 | 3 5/16 | 3 | 2 | 3/8 |
| DA33-AA | 4 5/16 | 4 5/16 | 3 | 3 | 3/8 |
| DA42-AA | 5 5/16 | 3 5/16 | 4 | 2 | 3/8 |
| DA43-AA | 5 3/4 | 4 3/4 | 4 | 3 | 1/2 |
| DA44-AA | 5 3/4 | 5 3/4 | 4 | 4 | 1/2 |
| DA52-AA | 6 3/4 | 3 3/4 | 5 | 2 | 1/2 |
| DA53-AA | 6 3/4 | 4 3/4 | 5 | 3 | 1/2 |
| DA54-AA | 6 3/4 | 5 3/4 | 5 | 4 | 1/2 |
| DA55-AA | 7 1/8 | 7 1/8 | 5 | 5 | 5/8 |
| DA62-AA | 7 3/4 | 3 3/4 | 6 | 2 | 1/2 |
| DA63-AA | 7 3/4 | 4 3/4 | 6 | 3 | 1/2 |
| DA64-AA | 7 3/4 | 5 3/4 | 6 | 4 | 1/2 |
| DA65-AA | 8 1/8 | 7 1/8 | 6 | 5 | 5/8 |
| DA66-AA | 8 1/8 | 8 1/8 | 6 | 6 | 5/8 |





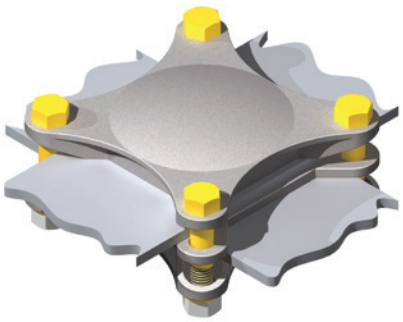
© 2010, AFL, all rights reserved. PP-3-00304, Revision 0, 11.09.10
Specifications are subject to change without notice.

# DOSSERT®

## TYPE DH-AA

### Flat Bar H Clamp

A clamp for developing high contact pressures between flat aluminum bus bars. For aligning, coupling, crossing and tapping conductors.



### Material

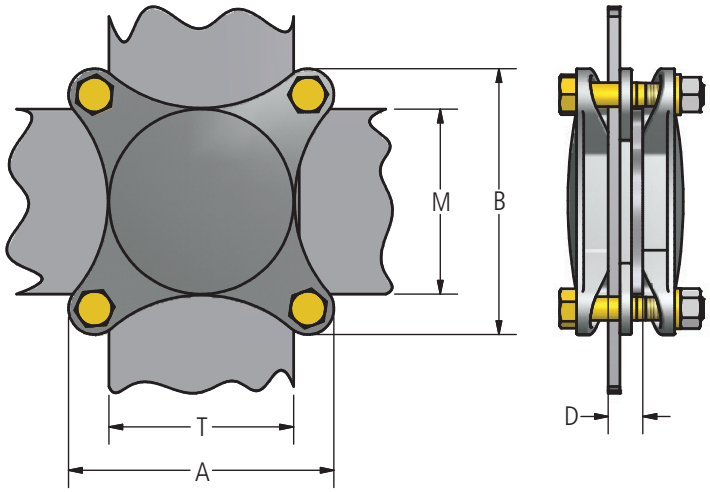
Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts and lockwashers.

### Notes

Unless otherwise specified clamps are provided with bolts of sufficient length to clamp three 1/4" bars (3/4" total thickness). For proper length of bolts specify total number of 1/4" bars and spacers to be clamped or combined thickness or bar and spacer lay up to be clamped. For spacers see BS-AA page 277.




## Ordering Information

| CATALOG NUMBER | DIMENSIONS IN INCHES | | | WIDTH OF BARS | | BOLT SIZE |
|---|---|---|---|---|---|---|
| | A | B | D | M | T | |
| DH11-AA | 2 3/4 | 2 3/4 | 3/4 | 1 | 1 | 1/2 |
| DH21-AA | 3 3/4 | 2 3/4 | 3/4 | 2 | 1 | 1/2 |
| DH22-AA | 3 5/16 | 3 5/16 | 3/4 | 2 | 2 | 3/8 |
| DH31-AA | 4 3/4 | 2 3/4 | 3/4 | 3 | 1 | 1/2 |
| DH32-AA | 3 5/16 | 4 5/16 | 3/4 | 3 | 2 | 3/8 |
| DH33-AA | 4 5/16 | 4 5/16 | 1 1/4 | 3 | 3 | 3/8 |
| DH42-AA | 3 5/16 | 5 5/16 | 1 1/4 | 4 | 2 | 3/8 |
| DH43-AA | 4 3/4 | 5 3/4 | 1 1/4 | 4 | 3 | 1/2 |
| DH44-AA | 5 3/4 | 5 3/4 | 1 1/4 | 4 | 4 | 1/2 |
| DH52-AA | 3 3/4 | 6 3/4 | 1 1/4 | 5 | 2 | 1/2 |
| DH53-AA | 4 3/4 | 6 3/4 | 1 1/4 | 5 | 3 | 1/2 |
| DH54-AA | 5 3/4 | 6 3/4 | 1 1/4 | 5 | 4 | 1/2 |
| DH55-AA | 7 1/8 | 7 1/8 | 1 1/4 | 5 | 5 | 5/8 |
| DH62-AA | 3 3/4 | 7 3/4 | 1 1/4 | 6 | 2 | 1/2 |
| DH63-AA | 4 3/4 | 7 3/4 | 1 1/4 | 6 | 3 | 1/2 |
| DH64-AA | 5 3/4 | 7 3/4 | 1 1/4 | 6 | 4 | 1/2 |
| DH65-AA | 7 1/8 | 8 1/8 | 1 1/4 | 6 | 5 | 5/8 |
| DH66-AA | 8 1/8 | 8 1/8 | 1 1/4 | 6 | 6 | 5/8 |





© 2010, AFL, all rights reserved. PP-3-00311, Revision 0, 11.09.10
Specifications are subject to change without notice.

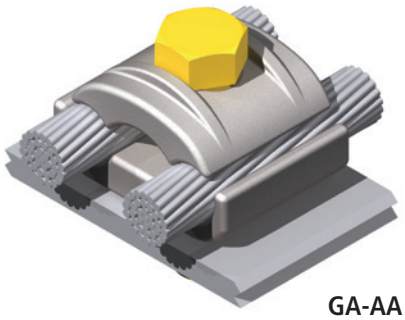
# 230 kV Aluminum Bolted Ground Clamps

## DOSSERT®

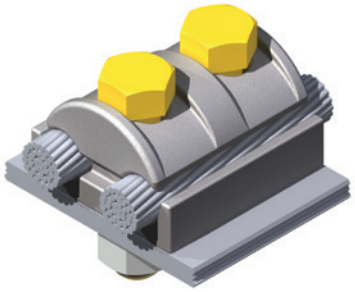
## TYPE GA-AA, GAA-AA

### Two Conductor Flat Bar Ground Clamp

A two piece ground clamp for clamping two wires or cables to a flat bar, plate, or structural member. Permits a slight range of variability in accommodating different size conductors. Bolts are retained by body to enable assembling with only one wrench. Bolts are supplied to clamp a 1/4 Inch bar.



GA-AA



GAA-AA

### Material

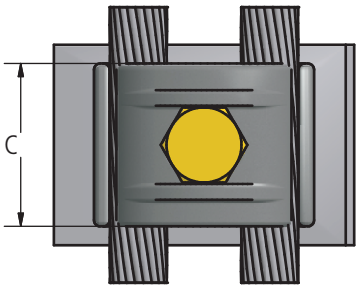
Aluminum Alloy

### Hardware

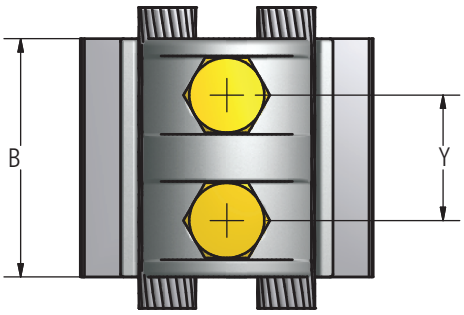
Yellow anodized aluminum bolts, nuts, and lockwashers.

### Note

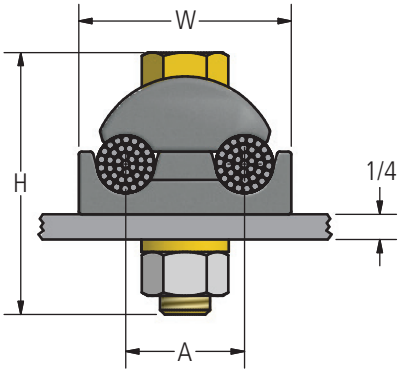
Bolt length supplied to clamp a 1/4" bar with maximum conductor in place. To obtain longer bolt add thickness of bar to the CAT.#. EX: For 1/2" thick bar order: GA13-T1/2-AA




GA-AA




GAA-AA




## Ordering Information

| CATALOG NUMBER | | CABLE RANGE AAC | | DIMENSIONS IN INCHES | | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|
| GA-AA | GAA-AA | MIN | MAX | A | B | C | H | W | Y | |
| GA4-AA | GAA4-AA | 8 SOL | 4 STR | 3/4 | 2 | 1 3/8 | 1 3/8 | 1 1/4 | 15/16 | 3/8 |
| GA13-AA | GAA13-AA | 4 SOL | 2/0 STR | 1 | 2 | 1 1/2 | 1 1/2 | 1 11/16 | 1 | 3/8 |
| GA25-AA | GAA25-AA | 2/0 SOL | 250 MCM | 1 1/4 | 2 1/2 | 1 3/4 | 2 1/4 | 2 1/4 | 1 1/4 | 1/2 |
| GA50-AA | GAA50-AA | 300 MCM | 500 MCM | 1 1/2 | 2 1/2 | 2 | 2 3/4 | 2 1/2 | 1 3/8 | 1/2 |
| GA75-AA | GAA75-AA | 550 MCM | 750 MCM | 1 3/4 | 3 | 2 3/8 | 3 | 3 1/4 | 1 9/16 | 5/8 |
| GA100-AA | GAA100-AA | 800 MCM | 1000 MCM | 2 | 3 | 2 1/2 | 3 1/4 | 3 5/8 | 1 9/16 | 5/8 |

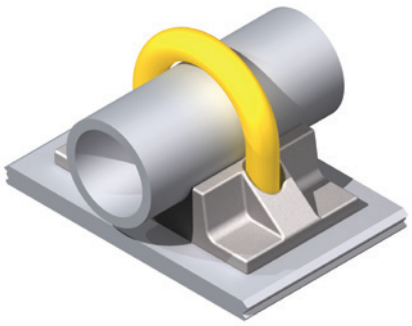


© 2010, AFL, all rights reserved. PP-3-00335, Revision 1, 3.29.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE GD-AA

### Pipe Ground Clamp

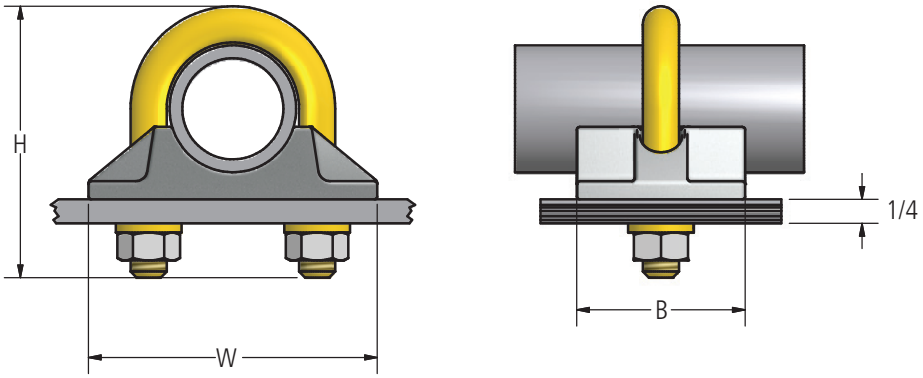


### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum U-bolts, nuts, and lockwashers.




## Ordering Information

| CATALOG NUMBER | GROUND | | DIMENSIONS IN INCHES | | | U-BOLT SIZE |
|---|---|---|---|---|---|---|
| | SPS | ROD | B | H | W | |
| GD25-AA | 1/4 | 1/2 | 1-1/4 | 1-15/16 | 1-7/8 | 3/8 |
| GD38-AA | 3/8 | 5/8 - 3/4 | 1-1/4 | 2-1/16 | 2 | 3/8 |
| GD75-AA | 1/2 - 3/4 | 7/8 - 1 | 1-1/2 | 2-7/16 | 2-1/2 | 3/8 |
| GD100-AA | 1 | 1 - 1/4 | 1-3/4 | 2-9/16 | 2-5/8 | 3/8 |
| GD125-AA | 1-1/4 | 1-1/2 - 1-5/8 | 1-3/4 | 3-1/8 | 3 | 3/8 |
| GD150-AA | 1-1/2 | 1-3/4 | 2 | 3-3/8 | 3-3/16 | 3/8 |
| GD200-AA | 2 | 2-1/4 - 2-3/8 | 2 | 3-7/8 | 3-11/16 | 3/8 |
| GD250-AA | 2-1/2 | 2-3/4 - 2-7/8 | 2 | 4-1/4 | 4-3/16 | 3/8 |
| GD300-AA | 3 | 3-3/8 - 3-1/2 | 2-1/2 | 5-1/4 | 5-3/16 | 1/2 |
| GD350-AA | 3-1/2 | 3-7/8 - 4 | 2-1/2 | 5-3/4 | 5-11/16 | 1/2 |
| GD400-AA | 4 | 4-3/8 - 4-1/2 | 2-5/8 | 6-7/8 | 6-3/16 | 1/2 |





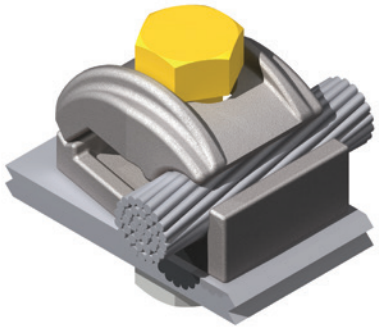
© 2010, AFL, all rights reserved. PP-3-00341, Revision 0, 11.09.10
Specifications are subject to change without notice.

# DOSSERT®

## TYPE GF-AA

### Pipe Ground Clamp

A ground clamp for grounding a cable or wire to a flat bar, plate or flat structural steel member. The bolt is retained by the cap to enable assembly with only one wrench.



### Material

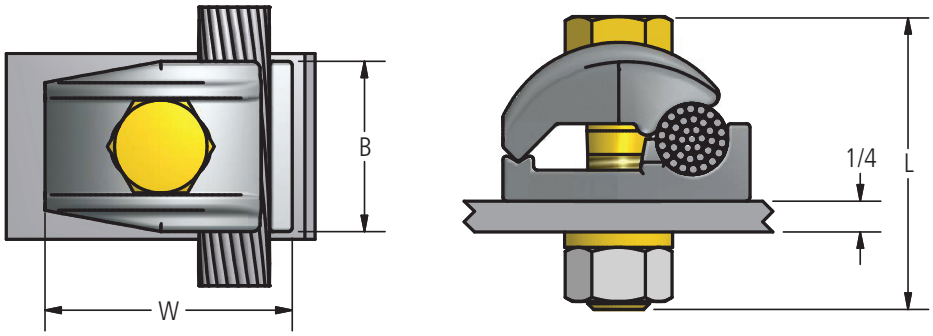
Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, and lockwashers.

### Note

Bolt length supplied to clamp a 1/4" bar with maximum conductor in place. To obtain longer bolt add thickness of bar to the CAT.#. EX: For 1/2" thick bar order: GF13-T1/2-AA




## Ordering Information

| CATALOG NUMBER | CONDUCTOR RANGE AAC | | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|---|---|
| | MIN | MAX | B | L | W | |
| GF4-AA | 8 Solid | 4 Stranded | 1 | 1 15/16 | 1 7/16 | 3/8 |
| GF13-AA | 4 Solid | 2/0 Stranded | 1 1/8 | 1 15/16 | 1 9/16 | 3/8 |
| GF25-AA | 2/0 Solid | 250 MCM | 1 3/8 | 2 1/4 | 2 | 1/2 |
| GF30-AA | 4 Solid | 300 MCM | 1 3/8 | 2 1/2 | 2 1/4 | 1/2 |
| GF50-AA | 300 MCM | 500 MCM | 1 1/2 | 2 3/4 | 2 7/16 | 1/2 |
| GF75-AA | 550 MCM | 750 MCM | 1 5/8 | 3 1/4 | 2 7/8 | 5/8 |
| GF100-AA | 800 MCM | 1000 MCM | 1 3/4 | 3 1/2 | 3 3/16 | 5/8 |





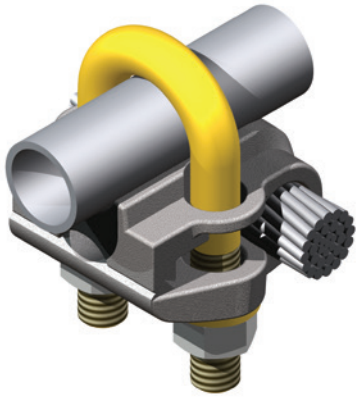
© 2010, AFL, all rights reserved. PP-3-00344, Revision 0, 11.09.10
Specifications are subject to change without notice.

# DOSSERT®

## TYPE GPC-AA

### Pipe Ground Clamp

The ground clamp can be used to clamp cable parallel or perpendicular to the ground pipe.

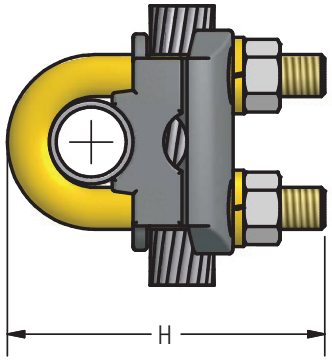


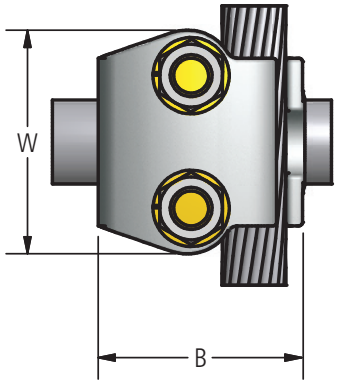
### Material

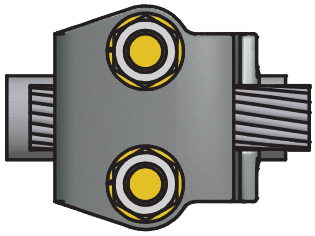
Aluminum Alloy

### Hardware

Yellow anodized aluminum nuts, U-bolts and lockwashers.



## Ordering Information

| CATALOG NUMBER | ROD | SPS | CABLE RANGE AAC | | DIMENSIONS IN INCHES | | | U-BOLT SIZE |
|---|---|---|---|---|---|---|---|---|
| | | | MIN | MAX | B | H | W | |
| GPC25-4-AA | 1/2 | 1/4 | 8 SOL | 4 STR | 1 7/16 | 2 7/16 | 1 7/8 | 3/8 |
| GPC25-13-AA | 1/2 | 1/4 | 4 SOL | 2/0 STR | 1 5/8 | 2 7/16 | 1 7/8 | 3/8 |
| GPC25-25-AA | 1/2 | 1/4 | 2/0 SOL | 250 MCM | 1 7/8 | 2 1/2 | 1 7/8 | 3/8 |
| GPC38-4-AA | 5/8 or 3/4 | 3/8 | 8 SOL | 4 STR | 1 7/16 | 2 1/2 | 2 | 3/8 |
| GPC38-13-AA | 5/8 or 3/4 | 3/8 | 4 SOL | 2/0 STR | 1 5/8 | 2 25/32 | 2 1/16 | 3/8 |
| GPC38-25-AA | 5/8 or 3/4 | 3/8 | 2/0 SOL | 250 MCM | 1 7/8 | 2 3/4 | 2 | 3/8 |
| GPC38-50-AA | 5/8 or 3/4 | 3/8 | 300 MCM | 500MCM | 2 3/8 | 3 1/4 | 2 3/8 | 1/2 |
| GPC75-4-AA | 1 | 1/2 or 3/4 | 8 SOL | 4 STR | 1 7/16 | 2 9/16 | 2 3/8 | 3/8 |
| GPC75-13-AA | 1 | 1/2 or 3/4 | 4 SOL | 2/0 STR | 1 5/8 | 2 3/4 | 2 3/8 | 3/8 |
| GPC75-25-AA | 1 | 1/2 or 3/4 | 2/0 SOL | 250 MCM | 1 7/8 | 2 7/8 | 2 3/8 | 3/8 |
| GPC75-50-AA | 1 | 1/2 or 3/4 | 300 MCM | 500MCM | 2 3/8 | 3 1/2 | 2 3/4 | 1/2 |
| GPC75-75-AA | 1 | 1/2 or 3/4 | 500 MCM | 750 MCM | 2 5/8 | 3 3/4 | 2 3/4 | 1/2 |
| GPC100-4-AA | – | 1 | 8 SOL | 4 STR | 1 7/16 | 2 3/4 | 2 5/8 | 3/8 |
| GPC100-13-AA | – | 1 | 4 SOL | 2/0 STR | 1 5/8 | 3 1/4 | 2 5/8 | 3/8 |
| GPC100-25-AA | – | 1 | 2/0 SOL | 250 MCM | 1 7/8 | 3 1/4 | 2 5/8 | 3/8 |
| GPC100-50-AA | – | 1 | 300 MCM | 500 MCM | 2 3/8 | 3 3/4 | 3 | 1/2 |
| GPC100-75-AA | – | 1 | 500 MCM | 750 MCM | 2 21/32 | 4 7/16 | 3 1/8 | 1/2 |
| GPC100-100-AA | – | 1 | 750 MCM | 1000 MCM | 2 7/8 | 4 1/4 | 3 | 1/2 |
| GPC3875-AA | 5/8 or 3/4 | 3/8 | 500 MCM | 750 MCM | 2 5/8 | 4 | 2 3/4 | 1/2 |
| GPC125-4-AA | – | 1 1/4 | 8 SOL | 4 STR | 1 7/16 | 3 1/4 | 3 | 3/8 |
| GPC125-13-AA | – | 1 1/4 | 4 SOL | 2/0 MCM | 1 5/8 | 3 9/16 | 3 | 3/8 |
| GPC125-25-AA | – | 1 1/4 | 2/0 SOL | 250 MCM | 1 7/8 | 3 5/8 | 3 | 3/8 |
| GPC125-50-AA | – | 1 1/4 | 300 MCM | 500 MCM | 2 3/8 | 4 1/16 | 3 3/8 | 1/2 |
| GPC125-75-AA | – | 1 1/4 | 500 MCM | 750 MCM | 2 3/4 | 4 11/16 | 3 3/8 | 1/2 |
| GPC125-100-AA | – | 1 1/4 | 750 MCM | 1000 MCM | 3 1/16 | 4 7/8 | 3 3/4 | 5/8 |



© 2010, AFL, all rights reserved. PP-3-00350, Revision 2, 9.30.2021
Specifications are subject to change without notice.

# 230 kV Aluminum Bolted Ground Clamps

## DOSSERT®

## TYPE GPC-AA

**Pipe Ground Clamp**

### Ordering Information

| CATALOG NUMBER | ROD | SPS | CABLE RANGE AAC | | DIMENSIONS IN INCHES | | | U-BOLT SIZE |
|---|---|---|---|---|---|---|---|---|
| | | | MIN | MAX | B | H | W | |
| GPC150-4-AA | – | 1 1/2 | 8 SOL | 4 STR | 1 7/8 | 3 7/16 | 3 1/4 | 3/8 |
| GPC150-13-AA | – | 1 1/2 | 4 SOL | 2/0 STR | 1 5/8 | 3 7/8 | 3 1/4 | 3/8 |
| GPC150-25-AA | – | 1 1/2 | 2/0 SOL | 250 MCM | 1 7/8 | 4 | 3 1/4 | 3/8 |
| GPC150-50-AA | – | 1 1/2 | 300 MCM | 500 MCM | 2 3/8 | 4 5/16 | 3 5/8 | 1/2 |
| GPC150-75-AA | – | 1 1/2 | 500 MCM | 750 MCM | 2 3/4 | 4 15/16 | 3 5/8 | 1/2 |
| GPC150-100-AA | – | 1 1/2 | 750 MCM | 1000 MCM | 3 1/16 | 5 1/16 | 4 | 5/8 |
| GPC200-4-AA | – | 2 | 8 SOL | 4 STR | 1 7/16 | 3 7/8 | 3 11/16 | 3/8 |
| GPC200-13-AA | – | 2 | 4 SOL | 2/0 STR | 1 5/8 | 4 1/4 | 3 11/16 | 3/8 |
| GPC200-25-AA | – | 2 | 2/0 SOL | 250 MCM | 1 7/8 | 4 7/16 | 3 11/16 | 3/8 |
| GPC200-50-AA | – | 2 | 300 MCM | 500 MCM | 2 3/8 | 4 3/4 | 4 1/16 | 1/2 |
| GPC200-75-AA | – | 2 | 500 MCM | 750 MCM | 2 3/4 | 5 5/8 | 4 1/16 | 1/2 |
| GPC200-100-AA | – | 2 | 750 MCM | 1000 MCM | 3 1/16 | 5 1/2 | 4 7/16 | 5/8 |
| GPC250-4-AA | – | 2 1/2 | 8 SOL | 4 STR | 1 7/16 | 4 3/8 | 4 3/16 | 3/8 |
| GPC250-13-AA | – | 2 1/2 | 4 SOL | 2/0 STR | 1 5/8 | 4 3/4 | 4 3/16 | 3/8 |
| GPC250-25-AA | – | 2 1/2 | 2/0 SOL | 250 MCM | 1 7/8 | 4 7/8 | 4 3/16 | 3/8 |
| GPC250-50-AA | – | 2 1/2 | 300 MCM | 500 MCM | 2 3/8 | 5 1/4 | 4 9/16 | 1/2 |
| GPC250-75-AA | – | 2 1/2 | 500 MCM | 750 MCM | 2 3/4 | 5 7/8 | 4 15/16 | 1/2 |
| GPC250-100-AA | – | 2 1/2 | 750 MCM | 1000 MCM | 3 1/16 | 6 | 4 13/16 | 5/8 |
| GPC300-4-AA | – | 3 | 8 SOL | 4 STR | 1 7/16 | 5 | 4 13/16 | 3/8 |
| GPC300-13-AA | – | 3 | 4 SOL | 2/0 STR | 1 5/8 | 5 3/8 | 4 13/16 | 3/8 |
| GPC300-25-AA | – | 3 | 2/0 SOL | 250 MCM | 1 7/8 | 5 1/2 | 5 3/16 | 3/8 |
| GPC300-50-AA | – | 3 | 300 MCM | 500 MCM | 2 3/8 | 5 3/4 | 5 3/16 | 1/2 |
| GPC300-75-AA | – | 3 | 500 MCM | 750 MCM | 2 3/4 | 6 1/2 | 5 9/16 | 1/2 |
| GPC300-100-AA | – | 3 | 750 MCM | 1000 MCM | 3 1/16 | 6 5/8 | 5 5/16 | 5/8 |
| GPC350-4-AA | – | 3 1/2 | 8 SOL | 4 STR | 1 7/16 | 5 1/2 | 5 5/16 | 3/8 |
| GPC350-13-AA | – | 3 1/2 | 4 SOL | 2/0 STR | 1 5/8 | 5 7/8 | 5 5/16 | 3/8 |
| GPC350-25-AA | – | 3 1/2 | 2/0 SOL | 250 MCM | 1 7/8 | 6 | 5 11/16 | 3/8 |
| GPC350-50-AA | – | 3 1/2 | 300 MCM | 500 MCM | 2 3/8 | 6 1/4 | 5 11/16 | 1/2 |
| GPC350-75-AA | – | 3 1/2 | 500 MCM | 750 MCM | 2 3/4 | 7 | 6 1/16 | 1/2 |
| GPC350-100-AA | – | 3 1/2 | 750 MCM | 1000 MCM | 3 1/16 | 7 1/8 | 5 13/16 | 5/8 |
| GPC400-4-AA | – | 4 | 8 SOL | 4 STR | 1 7/16 | 6 | 5 13/16 | 3/8 |
| GPC400-13-AA | – | 4 | 4 SOL | 2/0 STR | 1 5/8 | 6 3/8 | 5 13/16 | 3/8 |
| GPC400-25-AA | – | 4 | 2/0 SOL | 250 MCM | 1 7/8 | 6 1/2 | 6 3/16 | 3/8 |
| GPC400-50-AA | – | 4 | 300 MCM | 500 MCM | 2 3/8 | 6 3/4 | 6 3/16 | 1/2 |
| GPC400-75-AA | – | 4 | 500 MCM | 750 MCM | 2 3/4 | 7 1/2 | 6 3/16 | 1/2 |
| GPC400-100-AA | – | 4 | 750 MCM | 1000 MCM | 3 1/16 | 7 5/8 | 6 3/8 | 5/8 |
| GPC450-4-AA | – | 4 1/2 | 8 SOL | 4 STR | 1 7/16 | 6 1/2 | 6 3/8 | 3/8 |
| GPC450-13-AA | – | 4 1/2 | 4 SOL | 2/0 STR | 1 5/8 | 6 3/4 | 6 3/8 | 3/8 |
| GPC450-25-AA | – | 4 1/2 | 2/0 SOL | 250 MCM | 1 7/8 | 7 | 6 3/4 | 3/8 |
| GPC450-50-AA | – | 4 1/2 | 300 MCM | 500 MCM | 2 3/8 | 7 1/4 | 6 3/4 | 1/2 |
| GPC450-75-AA | – | 4 1/2 | 500 MCM | 750 MCM | 2 3/4 | 8 | 7 3/16 | 1/2 |
| GPC450-100-AA | – | 4 1/2 | 750 MCM | 1000 MCM | 3 1/16 | 8 1/8 | 6 7/8 | 5/8 |
| GPC500-4-AA | – | 5 | 8 SOL | 4 STR | 1 7/16 | 7 1/16 | 6 7/8 | 3/8 |
| GPC500-13-AA | – | 5 | 4 SOL | 2/0 STR | 1 5/8 | 7 5/16 | 6 7/8 | 3/8 |
| GPC500-25-AA | – | 5 | 2/0 SOL | 250 MCM | 1 7/8 | 7 9/16 | 7 1/4 | 3/8 |
| GPC500-50-AA | – | 5 | 300 MCM | 500 MCM | 2 3/8 | 7 13/16 | 7 1/4 | 1/2 |
| GPC500-75-AA | – | 5 | 500 MCM | 750 MCM | 2 3/4 | 5 9/16 | 7 1/4 | 1/2 |
| GPC500-100-AA | – | 5 | 750 MCM | 1000 MCM | 3 1/16 | 8 11/16 | 7 5/8 | 5/8 |

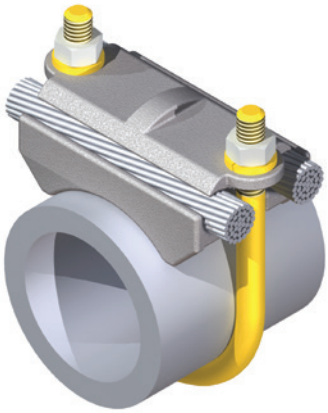


© 2010, AFL, all rights reserved. PP-3-00350, Revision 2, 9.30.2021
Specifications are subject to change without notice.

# DOSSERT®
## TYPE GS-AA

### Ground Clamp for 2 Cables to Perpendicular Pipe

Ground clamp is designed to clamp two cables to pipe.

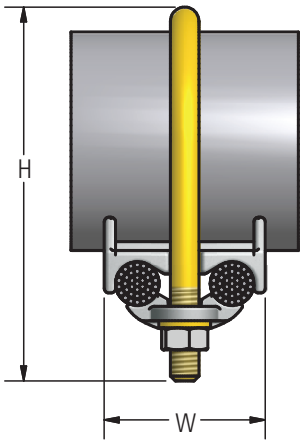


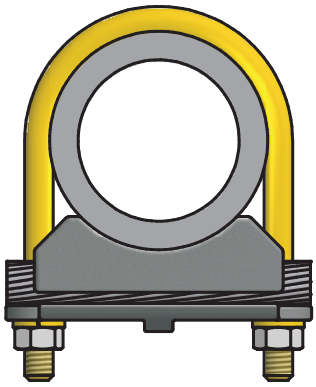
### Material

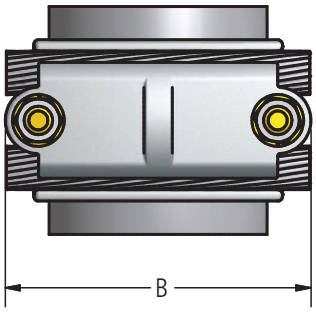
Aluminum Alloy

### Hardware

Yellow anodized aluminum nuts, U-bolt and lockwashers.






## Ordering Information

| CATALOG NUMBER | ROD | SPS | CABLE RANGE | | DIMENSIONS IN INCHES | | | U-BOLT SIZE |
|---|---|---|---|---|---|---|---|---|
| | | | MIN | MAX | B | H | W | |
| GS25-4-AA | 1/2 | 1/4 | 8 SOL | 4 STR | 1-13/16 | 2-1/8 | 1-7/16 | 3/8 |
| GS25-13-AA | 1/2 | 1/4 | 4 SOL | 2/0 STR | 1-13/16 | 2-1/4 | 1-7/8 | 3/8 |
| GS25-25-AA | 1/2 | 1/4 | 2/0 SOL | 250 MCM | 1-13/16 | 2-7/16 | 2 | 3/8 |
| GS38-4-AA | 5/8 or 3/4 | 3/8 | 8 SOL | 4 STR | 2 | 2-5/16 | 1-7/16 | 3/8 |
| GS38-13-AA | 5/8 or 3/4 | 3/8 | 4 SOL | 2/0 STR | 2 | 2-1/2 | 1-7/8 | 3/8 |
| GS38-25-AA | 5/8 or 3/4 | 3/8 | 2/0 SOL | 250 MCM | 2 | 2-5/8 | 2 | 3/8 |
| GS38-50-AA | 5/8 or 3/4 | 3/8 | 300 MCM | 500 MCM | 2-1/2 | 3-3/16 | 2-3/8 | 1/2 |
| GS75-4-AA | 7/8 or 1 | 1/2 or 3/4 | 8 SOL | 4 STR | 2-3/8 | 2-3/4 | 1-7/16 | 3/8 |
| GS75-13-AA | 7/8 or 1 | 1/2 or 3/4 | 4 SOL | 2/0 STR | 2-3/8 | 2-15/16 | 1-7/8 | 3/8 |
| GS75-25-AA | 7/8 or 1 | 1/2 or 3/4 | 2/0 SOL | 250 MCM | 2-3/8 | 3-1/16 | 2-3/16 | 3/8 |
| GS75-50-AA | 7/8 or 1 | 1/2 or 3/4 | 300 MCM | 500 MCM | 2-7/8 | 3-1/2 | 2-7/8 | 1/2 |
| GS100-4-AA | - | 1 | 8 SOL | 4 STR | 2-5/8 | 3-1/16 | 1-7/16 | 3/8 |
| GS100-13-AA | - | 1 | 4 SOL | 2/0 STR | 2-5/8 | 3-3/16 | 1-7/8 | 3/8 |
| GS100-25-AA | - | 1 | 2/0 SOL | 250 MCM | 2-5/8 | 3-3/8 | 2-3/16 | 3/8 |
| GS100-50-AA | - | 1 | 300 MCM | 500 MCM | 3-1/8 | 3-15/16 | 2-7/8 | 1/2 |
| GS100-75-AA | - | 1 | 500 MCM | 750 MCM | 3-1/8 | 4-1/8 | 3-1/4 | 1/2 |





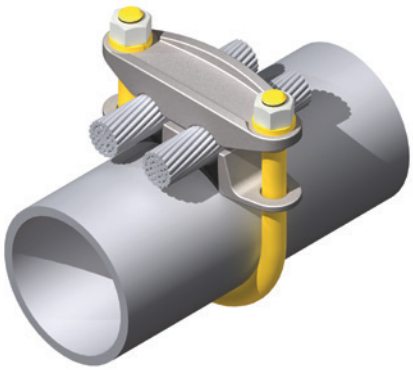
© 2010, AFL, all rights reserved. PP-3-00359, Revision 0, 11.09.10
Specifications are subject to change without notice.

# DOSSERT®

## TYPE GW-AA

### Grounding Clamp for 2 Cables to Pipe in Parallel

Ground clamp is designed to clamp two cables to pipe.

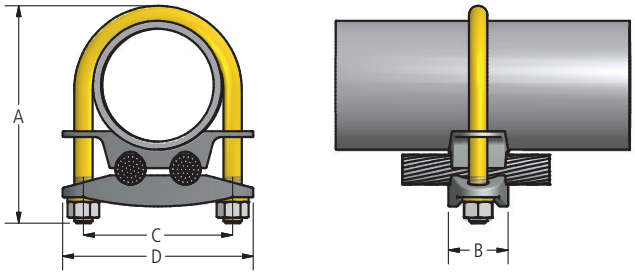


**Material**

Aluminum Alloy

**Hardware**

Yellow anodized aluminum nuts, U-bolt and lockwashers.




## Ordering Information

| CATALOG NUMBER | GROUND ROD | SPS | CONDUCTOR RANGE ACC | | U-BOLT SIZE | DIMENSIONS IN INCHES | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | MIN | MAX | | A | B | C | D |
| GW75-4-AA | 7/8 or 1 | 3/4 | #8 Sol. | #4 Str. | 3/8 | - | - | - | - |
| GW75-13-AA | 7/8 or 1 | 3/4 | #4 Sol. | 2/0 Str. | 3/8 | - | - | - | - |
| GW75-25-AA | 7/8 or 1 | 3/4 | 2/0 Sol. | 250 MCM | 3/8 | - | - | - | - |
| GW75-50-AA | 7/8 or 1 | 3/4 | 300 MCM | 500 MCM | 3/8 | - | - | - | - |
| GW100-4-AA | 1 1/8-1 1/4 | 1 | #8 Sol. | #4 Str. | 3/8 | 2 7/8 | 1 1/8 | 1 3/4 | 2 9/16 |
| GW100-13-AA | 1 1/8-1 1/4 | 1 | #4 Sol. | 2/0 Str. | 3/8 | 3 | 1 1/8 | 1 3/4 | 2 9/16 |
| GW100-25-AA | 1 1/8-1 1/4 | 1 | 2/0 Sol. | 250 MCM | 3/8 | 3 3/8 | 1 1/8 | 1 3/4 | 2 9/16 |
| GW125-4-AA | 1 3/8- 1 5/8 | 1 1/4 | #8 Sol. | #4 Str. | 3/8 | 3 3/16 | 1 3/8 | 2 1/8 | 3 |
| GW125-13-AA | 1 3/8- 1 5/8 | 1 1/4 | #4 Sol. | 2/0 Str. | 3/8 | 3 3/8 | 1 3/8 | 2 1/8 | 3 |
| GW125-25-AA | 1 3/8- 1 5/8 | 1 1/4 | 2/0 Sol. | 250 MCM | 3/8 | 3 5/8 | 1 7/16 | 2 1/8 | 3 |
| GW150-4-AA | 1 5/8- 1 7/8 | 1 1/2 | #8 Sol. | #4 Str. | 3/8 | 3 1/2 | 1 3/8 | 2 3/8 | 3 1/4 |
| GW150-13-AA | 1 5/8- 1 7/8 | 1 1/2 | #4 Sol. | 2/0 Str. | 3/8 | 3 11/16 | 1 3/8 | 2 3/8 | 3 1/4 |
| GW150-25-AA | 1 5/8- 1 7/8 | 1 1/2 | 2/0 Sol. | 250 MCM | 3/8 | 3 3/4 | 1 7/16 | 2 3/8 | 3 1/4 |
| GW150-50-AA | 1 5/8- 1 7/8 | 1 1/2 | 300 MCM | 500 MCM | 1/2 | 4 3/8 | 1 9/16 | 2 1/2 | 3 1/4 |
| GW200-4-AA | 2- 2 1/2 | 2 | #8 Sol. | #4 Str. | 3/8 | 4 | 1 3/8 | 2 13/16 | 3 5/8 |
| GW200-13-AA | 2- 2 1/2 | 2 | #4 Sol. | 2/0 Str. | 3/8 | 4 3/8 | 1 3/8 | 2 13/16 | 3 5/8 |
| GW200-25-AA | 2- 2 1/2 | 2 | 2/0 Sol. | 250 MCM | 3/8 | 4 1/2 | 1 7/16 | 2 13/16 | 3 5/8 |
| GW200-50-AA | 2- 2 1/2 | 2 | 300 MCM | 500 MCM | 1/2 | 4 7/8 | 1 9/16 | 2 15/16 | 4 |
| GW250-4-AA | 2 5/8-2 7/8 | 2 1/2 | #8 Sol. | #4 Str. | 3/8 | 4 1/2 | 1 3/8 | 3 5/16 | 4 3/16 |
| GW250-13-AA | 2 5/8-2 7/8 | 2 1/2 | #4 Sol. | 2/0 Str. | 3/8 | 4 3/4 | 1 3/8 | 3 5/16 | 4 3/16 |
| GW250-25-AA | 2 5/8-2 7/8 | 2 1/2 | 2/0 Sol. | 250 MCM | 3/8 | 4 7/8 | 1 7/16 | 3 5/16 | 4 3/16 |
| GW250-50-AA | 2 5/8-2 7/8 | 2 1/2 | 300 MCM | 500 MCM | 1/2 | 5 1/4 | 1 9/16 | 3 7/16 | 4 5/8 |
| GW300-13-AA | 3 1/4- 3 1/2 | 3 | #4 Sol. | 2/0 Str. | 3/8 | 5 7/16 | 1 3/8 | 4 | 4 7/8 |
| GW300-25-AA | 3 1/4- 3 1/2 | 3 | 2/0 Sol. | 250 MCM | 3/8 | 5 9/16 | 1 7/16 | 4 | 4 7/8 |
| GW300-50-AA | 3 1/4- 3 1/2 | 3 | 300 MCM | 500 MCM | 1/2 | 5 7/8 | 1 9/16 | 4 1/8 | 5 3/16 |
| GW350-4-AA | 3 3/4- 4 | 3 1/2 | #8 Sol. | #4 Str. | 3/8 | 5 5/8 | 1 1/2 | 4 7/16 | 5 3/8 |
| GW350-13-AA | 3 3/4- 4 | 3 1/2 | #4 Sol. | 2/0 Str. | 3/8 | 5 7/8 | 1 1/2 | 4 7/16 | 5 3/8 |
| GW350-25-AA | 3 3/4- 4 | 3 1/2 | 2/0 Sol. | 250 MCM | 3/8 | 6 1/8 | 1 1/2 | 4 7/16 | 5 3/8 |
| GW350-50-AA | 3 3/4- 4 | 3 1/2 | 300 MCM | 500 MCM | 1/2 | 6 3/8 | 1 5/8 | 4 9/16 | 5 3/4 |
| GW400-4-AA | 4 1/4- 4 1/2 | 4 | #8 Sol. | #4 Str. | 3/8 | 6 1/8 | 1 5/8 | 4 15/16 | 5 7/8 |
| GW400-13-AA | 4 1/4- 4 1/2 | 4 | #4 Sol. | 2/0 Str. | 3/8 | 6 1/4 | 1 5/8 | 4 15/16 | 5 7/8 |
| GW400-25-AA | 4 1/4- 4 1/2 | 4 | 2/0 Sol. | 250 MCM | 3/8 | 6 1/2 | 1 5/8 | 4 15/16 | 5 7/8 |
| GW400-50-AA | 4 1/4- 4 1/2 | 4 | 300 MCM | 500 MCM | 1/2 | 6 7/8 | 1 5/8 | 5 1/16 | 6 3/16 |





© 2010, AFL, all rights reserved. PP-3-00363, Revision 0, 11.09.10
Specifications are subject to change without notice.

# DOSSERT®

## TYPE GCHV-AA
### Cable Grounding Clamp

Designed to de-energize cable for maintenance.

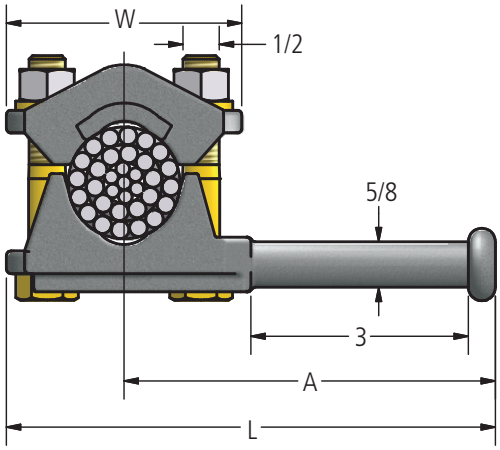


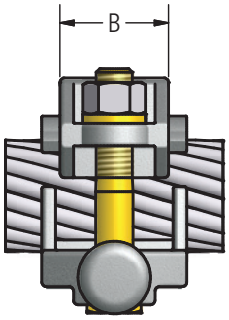
### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, and lockwashers.




## Ordering Information

| CATALOG NUMBER | CABLE RANGE | | DIMENSIONS | | | |
|---|---|---|---|---|---|---|
| | MIN | MAX | A | B | L | W |
| GCHV-40-62R-AA | 1/0 STR | 400 MCM | 4 11/16 | 1 1/2 | 5 13/16 | 2 1/4 |
| GCHV-159A-62R-AA | 477 MCM | 1590 ACSR | 5 1/8 | 2 | 6 3/4 | 3 1/4 |
| GCHV-287A-62R-AA | 1780 ACSR | 2870 ACSR | 5 3/8 | 2 | 7 1/4 | 3 3/4 |





© 2011, AFL, all rights reserved. PP-3-00339. Revision 0, 1.19.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE GPH-AA

### Ground Clamp



Designed to de-energize bus tube for maintenance. Stud is designed with tee shape for use on different bus sizes.

### Material

Aluminum Alloy

### Hardware

Aluminum bolts, nuts, and lockwashers.

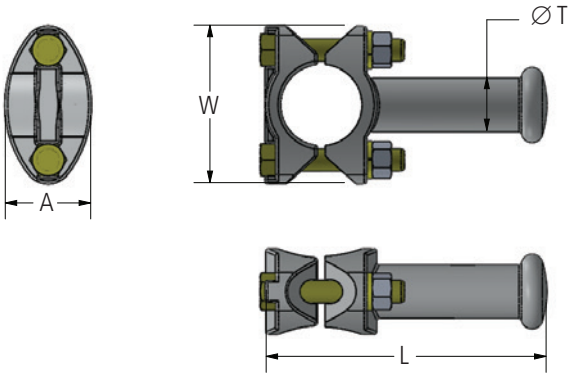



FIGURE 1

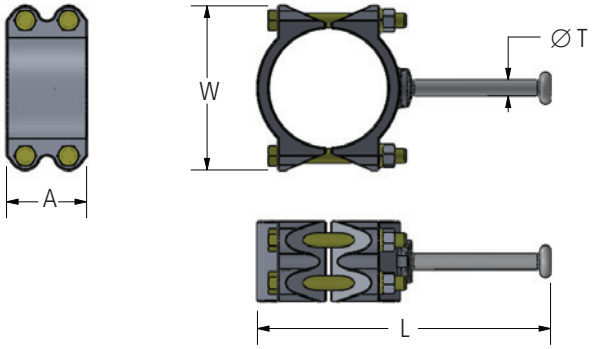



FIGURE 2

## Ordering Information

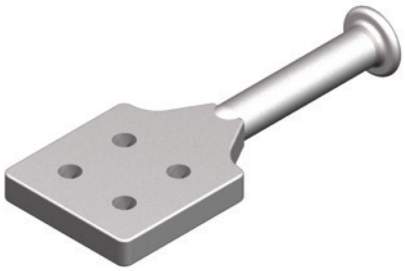
| CATALOG NO. | FIGURE NO. | SPS | DIMENSIONS | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|
| | | | A | L | T | W | |
| GPH150-AA | 1 | 1 1/2 | 2 | 6 9/16 | 1 1/4 | 3 11/16 | 1/2 |
| GPH200-AA | 1 | 2 | 2 | 7 1/4 | 1 1/4 | 4 5/16 | 1/2 |
| GPH250-AA | 1 | 2 1/2 | 2 | 7 9/16 | 1 1/4 | 4 3/4 | 1/2 |
| GPH300-AA | 1 | 3 | 2 | 8 1/4 | 1 1/4 | 5 3/8 | 1/2 |
| GPH350-AA | 1 | 3 1/2 | 2 | 8 15/16 | 1 1/4 | 5 7/8 | 1/2 |
| GPH400-AA | 1 | 4 | 2 | 9 1/4 | 1 1/4 | 6 3/8 | 1/2 |
| GPH500-AA | 2 | 5 | 3 3/4 | 13 3/4 | 3/4 | 7 11/16 | 5/8 |
| GPH600-AA | 2 | 6 | 4 | 14 11/16 | 3/4 | 8 3/4 | 5/8 |





© 2011, AFL, all rights reserved. PP-3-00354, Revision 3, 3.21.18
Specifications are subject to change without notice.

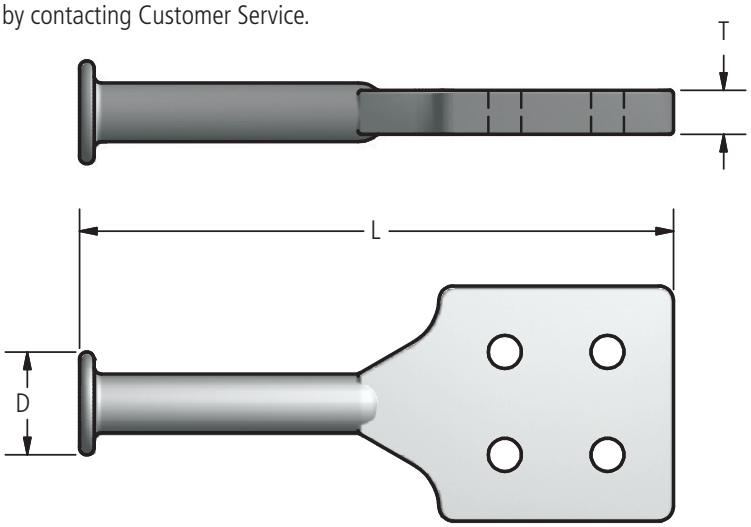
# DOSSERT®
## TYPE GPH-N-AA



Terminal pad to grounding stud.

### Material
Aluminum Alloy

### Note
Other pad configurations can be ordered by contacting Customer Service.



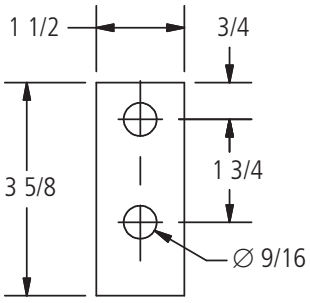




FIG. 1

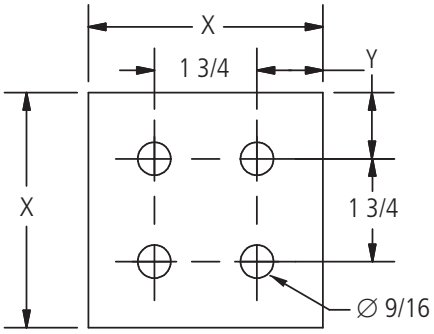



FIG. 2

## Ordering Information

| CATALOG NUMBER | FIGURE NUMBER | DIMENSIONS | | | | |
|---|---|---|---|---|---|---|
| | | D | L | T | X | Y |
| GPH-2N-AA | 1 | 1 1/4 | 8 5/8 | 1/2 | — | — |
| GPH-4N-AA | 2 | 1 3/4 | 9 1/8 | 3/4 | 3 | 5/8 |
| GPH-4N4-AA | 2 | 1 3/4 | 10 1/8 | 3/4 | 4 | 1 1/8 |





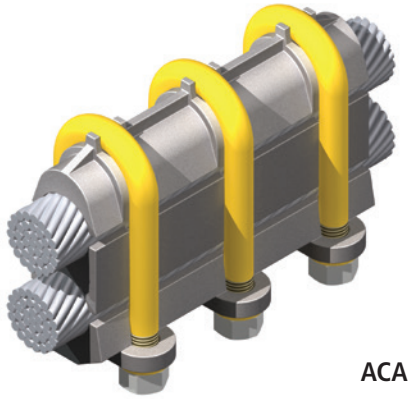
© 2011, AFL, all rights reserved. PP-3-00355, Revision 2, 10.23.17
Specifications are subject to change without notice.

# 230 kV Aluminum Bolted Parallel Clamps

## DOSSERT®

## TYPE AC, ACA

**Parallel Clamp**



ACA

### Material

Aluminum Alloy

### Hardware

**AC** Galvanized steel U-bolts, nuts, and lockwashers.

**ACA** Yellow anodized aluminum U-bolts, nuts, and lockwashers.

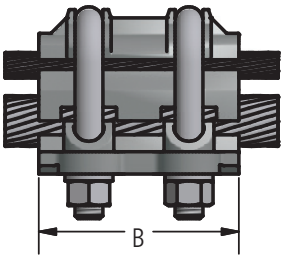



FIG. 1

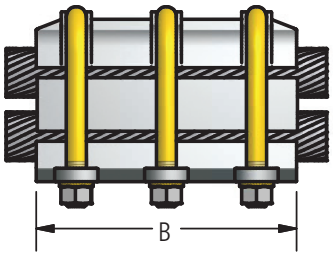



FIG. 2

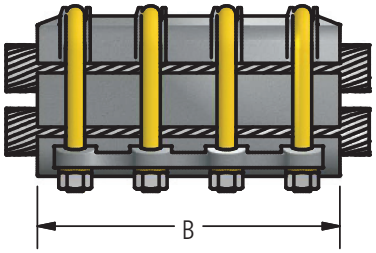
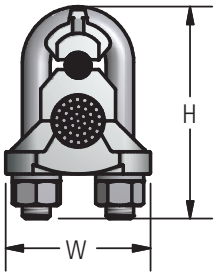



FIG. 3




## Ordering Information

| CATALOG NUMBER | | FIG. NO. | ACSR RANGE | | | | ALUMINUM RANGE | | | | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | MAIN | | TAP | | MAIN | | TAP | | | | | |
| AC | ACA | | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | B | H | W | |
| AC401 | ACA401 | 1 | #2 SOL | 1/0 STR | #2 SOL | 1/0 STR | #2 SOL | 2/0 STR | #2 SOL | 2/0 STR | 3 | 3 1/4 | 2 3/8 | 1/2 |
| AC402 | ACA402 | 1 | 2/0 STR | 3/0 STR | #2 SOL | 1/0 STR | 3/0 STR | 4/0 STR | #2 SOL | 2/0 STR | 3 3/8 | 3 1/2 | 2 3/8 | 1/2 |
| AC403 | ACA403 | 1 | 2/0 STR | 3/0 STR | 2/0 STR | 3/0 STR | 3/0 STR | 4/0 STR | 3/0 STR | 4/0 STR | 3 3/8 | 3 1/2 | 2 3/8 | 1/2 |
| AC404 | ACA404 | 1 | 3/0 STR | 300 MCM | #2 SOL | 1/0 STR | 4/0 STR | 350 MCM | #2 SOL | 2/0 STR | 3 5/8 | 3 5/8 | 2 1/2 | 1/2 |
| AC405 | ACA405 | 1 | 3/0 STR | 300 MCM | 2/0 STR | 3/0 STR | 4/0 STR | 350 MCM | 3/0 STR | 4/0 STR | 3 5/8 | 3 7/8 | 2 1/2 | 1/2 |
| AC406 | ACA406 | 1 | 3/0 STR | 300 MCM | 3/0 STR | 300 MCM | 4/0 STR | 350 MCM | 4/0 STR | 350 MCM | 3 5/8 | 3 7/8 | 2 1/2 | 1/2 |
| AC407 | ACA407 | 1 | 300 MCM | 397.5 MCM | #2 SOL | 1/0 STR | 350 MCM | 477 MCM | #2 SOL | 2/0 STR | 3 7/8 | 4 3/8 | 3 | 5/8 |
| AC408 | ACA408 | 1 | 300 MCM | 397.5 MCM | 2/0 STR | 3/0 STR | 350 MCM | 477 MCM | 3/0 STR | 4/0 STR | 3 7/8 | 4 3/8 | 3 | 5/8 |
| AC409 | ACA409 | 1 | 300 MCM | 397.5 MCM | 3/0 STR | 300 MCM | 350 MCM | 477 MCM | 4/0 STR | 350 MCM | 3 7/8 | 4 5/8 | 3 | 5/8 |
| AC410 | ACA410 | 1 | 300 MCM | 397.5 MCM | 300 MCM | 397.5 MCM | 350 MCM | 477 MCM | 350 MCM | 477 MCM | 3 7/8 | 4 5/8 | 3 | 5/8 |
| AC411 | ACA411 | 1 | 397.5 MCM | 605 MCM | 2/0 STR | 3/0 STR | 500 MCM | 715.5 MCM | 500 MCM | 715.5 MCM | 4 3/8 | 4 3/4 | 3 1/8 | 5/8 |
| AC412 | ACA412 | 1 | 397.5 MCM | 605 MCM | 3/0 STR | 300 MCM | 500 MCM | 715.5 MCM | 4/0 STR | 350 MCM | 4 3/8 | 4 3/4 | 3 1/8 | 5/8 |
| AC413 | ACA413 | 1 | 397.5 MCM | 605 MCM | 300 MCM | 397.5 MCM | 500 MCM | 715.5 MCM | 350 MCM | 477 MCM | 4 3/8 | 5 | 3 1/8 | 5/8 |
| AC414 | ACA414 | 1 | 397.5 MCM | 605 MCM | 397.5 MCM | 605 MCM | 500 MCM | 715.5 MCM | 500 MCM | 715.5 MCM | 4 3/8 | 5 | 3 1/8 | 5/8 |
| AC415 | ACA415 | 1 | 605 MCM | 900 MCM | 3/0 STR | 300 MCM | 750 MCM | 1033.5 MCM | 4/0 STR | 350 MCM | 4 3/4 | 5 1/8 | 3 3/8 | 5/8 |
| AC416 | ACA416 | 1 | 605 MCM | 900 MCM | 300 MCM | 397.5 MCM | 750 MCM | 1033.5 MCM | 350 MCM | 477 MCM | 4 3/4 | 5 1/8 | 3 3/8 | 5/8 |
| AC417 | ACA417 | 1 | 605 MCM | 900 MCM | 397.5 MCM | 605 MCM | 750 MCM | 1033.5 MCM | 500 MCM | 715.5 MCM | 4 3/4 | 5 1/2 | 3 3/8 | 5/8 |
| AC418 | ACA418 | 1 | 605 MCM | 900 MCM | 605 MCM | 900 MCM | 750 MCM | 1033.5 MCM | 750 MCM | 1033.5 MCM | 4 3/4 | 5 1/2 | 3 3/8 | 5/8 |
| AC418S | ACA418S | 1 | 477 MCM | 636.4 MCM | 2/0 STR | 336.4 MCM | 477 MCM | 795 MCM | 477 MCM | 795 MCM | 4 3/4 | 4 7/8 | 3 1/8 | 5/8 |
| AC450 | ACA450 | 1 | 1/0 STR | 336.4 MCM | 1/0 STR | 336.4 MCM | 1/0 STR | 397.5 MCM | 1/0 STR | 397.5 MCM | 3 5/8 | 4 3/16 | 2 1/2 | 1/2 |

*continued*



© 2011, AFL, all rights reserved. PP-3-00206. Revision 4, 7.14.2022
Specifications are subject to change without notice.

DOSSERT®

# TYPE AC, ACA

**Parallel Clamp**

## Ordering Information

| CATALOG NUMBER | | FIG. NO. | ACSR RANGE | | | | ALUMINUM RANGE | | | | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | MAIN | | TAP | | MAIN | | TAP | | | | | |
| AC | ACA | | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | B | H | W | |
| AC460 | ACA460 | 1 | 300 MCM | 795 MCM | 1/0 STR | 336.4 MCM | 336.4 MCM | 954 MCM | 1/0 STR | 397.5 MCM | 4 5/8 | 4 15/16 | 3 1/16 | 1/2 |
| AC462 | ACA462 | 1 | 336.4 MCM | 795 MCM | 110.8 MCM | 447 MCM | 397.5 MCM | 954 MCM | 3/0 STR | 500 MCM | 4 5/8 | 4 15/16 | 3 1/16 | 1/2 |
| AC470 | ACA470 | 1 | 300 MCM | 795 MCM | 300 MCM | 795 MCM | 336.4 MCM | 954 MCM | 336.4 MCM | 954 MCM | 4 5/8 | 5 9/16 | 3 7/32 | 5/8 |
| AC480 | ACA480 | 1 | 795 MCM | 1033.5 MCM | 795 MCM | 1033.5 MCM | 800 MCM | 1113 MCM | 800 MCM | 1113 MCM | 4 5/8 | 5 3/4 | 3 1/4 | 5/8 |
| AC504 | ACA504 | 2 | 397.5 MCM | 605 MCM | 397.5 MCM | 605 MCM | 500 MCM | 715.5 MCM | 500 MCM | 715.5 MCM | 5 7/8 | 5 | 3 1/8 | 5/8 |
| AC505 | ACA505 | 2 | 605 MCM | 900 MCM | 3/0 STR | 300 MCM | 750 MCM | 1033.5 MCM | 4/0 STR | 350 MCM | 6 3/4 | 5 1/8 | 3 3/8 | 5/8 |
| AC506 | ACA506 | 2 | 605 MCM | 900 MCM | 300 MCM | 397.5 MCM | 750 MCM | 1033.5 MCM | 350 MCM | 477 MCM | 6 3/4 | 5 1/8 | 3 3/8 | 5/8 |
| AC507 | ACA507 | 2 | 605 MCM | 900 MCM | 397.5 MCM | 605 MCM | 750 MCM | 1033.5 MCM | 500 MCM | 715.5 MCM | 6 3/4 | 5 1/2 | 3 3/8 | 5/8 |
| AC508 | ACA508 | 2 | 605 MCM | 900 MCM | 605 MCM | 900 MCM | 750 MCM | 1033.5 MCM | 750 MCM | 1033.5 MCM | 6 3/4 | 5 1/2 | 3 3/8 | 5/8 |
| AC509 | ACA509 | 2 | 954 MCM | 1192.5 MCM | 300 MCM | 397.5 MCM | 1113 MCM | 1351.5 MCM | 350 MCM | 477 MCM | 8 | 6 | 3 7/8 | 3/4 |
| AC510 | ACA510 | 2 | 954 MCM | 1192.5 MCM | 397.5 MCM | 605 MCM | 1113 MCM | 1351.5 MCM | 500 MCM | 715.5 MCM | 8 | 6 | 3 7/8 | 3/4 |
| AC511 | ACA511 | 2 | 954 MCM | 1192.5 MCM | 605 MCM | 900 MCM | 1113 MCM | 1351.5 MCM | 750 MCM | 1033.5 MCM | 8 | 6 3/8 | 3 7/8 | 5/8 |
| AC512 | ACA512 | 2 | 954 MCM | 1192.5 MCM | 954 MCM | 1192.5 MCM | 1113 MCM | 1351.5 MCM | 1113 MCM | 1351.5 MCM | 8 | 6 3/8 | 3 7/8 | 3/4 |
| AC513 | ACA513 | 2 | 1272 MCM | 1590 MCM | 397.5 MCM | 605 MCM | 1431 MCM | 1750 MCM | 500 MCM | 715.5 MCM | 9 3/4 | 6 5/16 | 4 | 3/4 |
| AC514 | ACA514 | 2 | 1272 MCM | 1590 MCM | 605 MCM | 900 MCM | 1431 MCM | 1750 MCM | 750 MCM | 1033.5 MCM | 9 3/4 | 6 5/8 | 4 1/8 | 3/4 |
| AC515 | ACA515 | 2 | 1272 MCM | 1590 MCM | 954 MCM | 1192.5 MCM | 1431 MCM | 1750 MCM | 1113 MCM | 1351.5 MCM | 9 3/4 | 7 | 4 1/8 | 3/4 |
| AC516 | ACA516 | 2 | 1033.5 MCM | 1590 MCM | 1033.5 MCM | 1590 MCM | 1033.5 MCM | 1750 MCM | 1033.5 MCM | 1750 MCM | 9 3/4 | 7 | 4 1/8 | 5/8 |
| AC518 | ACA518 | 2 | 1780 MCM | 2300 MCM | 605 MCM | 1033.5 MCM | 2000 MCM | 2500 MCM | 700 MCM | 1192.5 MCM | 9 3/4 | 6 1/2 | 4 5/16 | 5/8 |
| AC520 | ACA520 | 2 | 1780 MCM | 2300 MCM | 1780 MCM | 2300 MCM | 2000 MCM | 2500 MCM | 2000 MCM | 2500 MCM | 9 3/4 | 7 3/8 | 4 5/16 | 5/8 |
| AC604 | ACA604 | 3 | 336.4 MCM | 397.5 MCM | 336.4 MCM | 397.5 MCM | 350 MCM | 477 MCM | 350 MCM | 477 MCM | 7 | 4 1/2 | 2 1/2 | 1/2 |
| AC605 | ACA605 | 3 | 397.5 MCM | 605 MCM | 336.4 MCM | 397.5 MCM | 500 MCM | 715.5 MCM | 350 MCM | 477 MCM | 7 | 4 3/4 | 2 11/16 | 1/2 |
| AC606 | ACA606 | 3 | 397.5 MCM | 605 MCM | 397.5 MCM | 605 MCM | 500 MCM | 715.5 MCM | 500 MCM | 715.5 MCM | 7 1/2 | 4 3/4 | 2 11/16 | 1/2 |
| AC607 | ACA607 | 3 | 605 MCM | 900 MCM | 336.4 MCM | 397.5 MCM | 715.5 MCM | 1033.5 MCM | 350 MCM | 477 MCM | 7 1/2 | 4 7/8 | 2 15/16 | 1/2 |
| AC608 | ACA608 | 3 | 605 MCM | 900 MCM | 397.5 MCM | 605 MCM | 715.5 MCM | 1033.5 MCM | 500 MCM | 715.5 MCM | 7 1/2 | 4 7/8 | 2 15/16 | 1/2 |
| AC609 | ACA609 | 3 | 605 MCM | 900 MCM | 605 MCM | 900 MCM | 715.5 MCM | 1033.5 MCM | 715.5 MCM | 1033.5 MCM | 7 1/2 | 4 7/8 | 2 15/16 | 1/2 |
| AC610 | ACA610 | 3 | 954 MCM | 1192.5 MCM | 336.4 MCM | 397.5 MCM | 1000 MCM | 1351.5 MCM | 350 MCM | 477 MCM | 10 | 5 1/4 | 3 7/16 | 5/8 |
| AC611 | ACA611 | 3 | 954 MCM | 1192.5 MCM | 397.5 MCM | 605 MCM | 1000 MCM | 1351.5 MCM | 500 MCM | 715.5 MCM | 10 | 5 1/4 | 3 7/16 | 5/8 |
| AC612 | ACA612 | 3 | 954 MCM | 1192.5 MCM | 605 MCM | 900 MCM | 1000 MCM | 1351.5 MCM | 715.5 MCM | 1033.5 MCM | 10 | 5 3/4 | 3 7/16 | 5/8 |
| AC613 | ACA613 | 3 | 954 MCM | 1192.5 MCM | 954 MCM | 1192.5 MCM | 1000 MCM | 1351.5 MCM | 1000 MCM | 1351.5 MCM | 10 | 5 3/4 | 3 7/16 | 5/8 |
| AC614 | ACA614 | 3 | 1272 MCM | 1590 MCM | 336.4 MCM | 397.5 MCM | 1431 MCM | 1750 MCM | 350 MCM | 477 MCM | 10 | 5 3/8 | 3 5/8 | 5/8 |
| AC615 | ACA615 | 3 | 1272 MCM | 1590 MCM | 397.5 MCM | 605 MCM | 1431 MCM | 1750 MCM | 500 MCM | 715.5 MCM | 10 | 5 5/8 | 3 5/8 | 5/8 |
| AC616 | ACA616 | 3 | 1272 MCM | 1590 MCM | 605 MCM | 900 MCM | 1431 MCM | 1750 MCM | 715.5 MCM | 1033.5 MCM | 10 | 5 3/4 | 3 5/8 | 5/8 |
| AC617 | ACA617 | 3 | 1272 MCM | 1590 MCM | 954 MCM | 1192.5 MCM | 1431 MCM | 1750 MCM | 1000 MCM | 1351.5 MCM | 10 | 6 | 3 5/8 | 5/8 |
| AC618 | ACA618 | 3 | 1272 MCM | 1590 MCM | 1272 MCM | 1590 MCM | 1431 MCM | 1750 MCM | 1431 MCM | 1750 MCM | 10 | 6 | 3 5/8 | 5/8 |

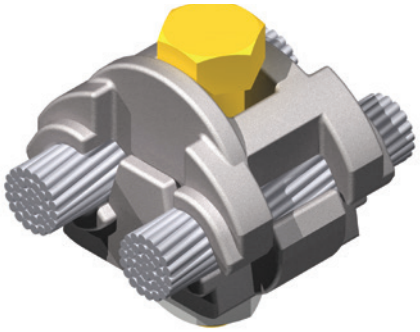


© 2011, AFL, all rights reserved. PP-3-00206. Revision 4, 7.14.2022
Specifications are subject to change without notice.

# DOSSERT®

## TYPE AC100-AA

### Parallel Connector



Single bolt type parrallel connector for joining two cables. Bolt retainer built into casting for one wrench installation.

### Material

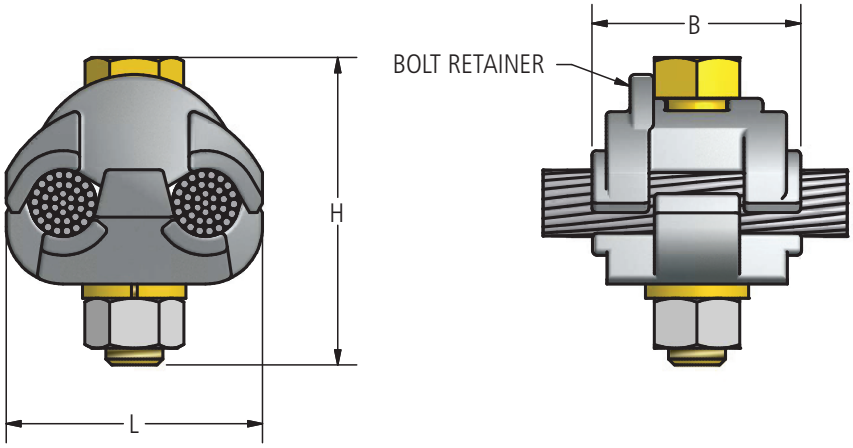
Aluminum Alloy

### Hardware

ACA100 Series: Aluminum bolts, lockwashers and nuts
AC100 series: Galvanized steel bolts, lockwashers and nuts

### Notes

1. For Stainless Belleville washers and add "-BW" to catalog number. EX: AC102-BW
2. For Electro Tin plate add "-SN" to catalog number. EX: ACA103-SN
3. For ALNOX prefilled connector add "-LP" to catalog number. EX: AC103-LP




## Ordering Information

| CATALOG NUMBER | | CABLE RANGE | | | | | | | | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | RUN | | | | TAP | | | | | | | |
| | | ACC | | ACSR | | ACC | | ACSR | | B | H | L | |
| AC100 | ACA100 | #8 SOL | 1/0 STR | #8STR | 1/0 ACSR | #8 SOL | 1 STR | #8STR | #2 ACSR | 1 1/8 | 1 15/16 | 1 3/8 | 5/16 |
| AC101 | ACA101 | #8 SOL | 1/0 STR | #8STR | 1/0 ACSR | #8 SOL | 1/0 STR | #8STR | 1/0 ACSR | 1 3/8 | 2 | 1 3/4 | 3/8 |
| AC102 | ACA102 | #4 SOL | 4/0 STR | #4STR | 4/0 ACSR | #4 SOL | 4/0 STR | #4STR | 4/0 ACSR | 2 | 2 5/8 | 2 1/8 | 1/2 |
| AC103 | ACA103 | #4 SOL | 350 MCM | #4STR | 336.4 MCM ACSR | #8 SOL | 2/0 STR | #8STR | 2/0 ACSR | 1 13/16 | 2 1/4 | 2 1/16 | 3/8 |
| AC122 | ACA122 | #2 SOL | 500 MCM | #2STR | 397.5 MCM ACSR | #6 SOL | 3/0 STR | #6STR | 3/0 ACSR | 2 1/4 | 2 3/4 | 2 3/8 | 1/2 |
| AC124 | ACA124 | 1/0 STR | 1033.5 MCM | 1/0 STR | 954 MCM ACSR | #2 SOL | 4/0 STR | #4STR | 4/0 ACSR | 2 9/16 | 2 3/8 | 3 | 5/8 |



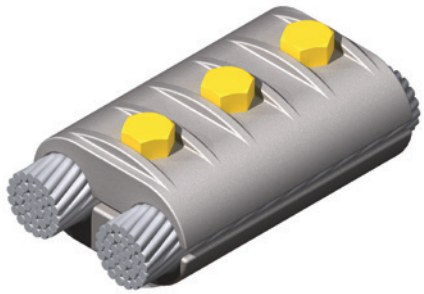


© 2011, AFL, all rights reserved. PP-3-00207, Revision 1, 6.24.14
Specifications are subject to change without notice.

# DOSSERT®

## TYPE PC-AA

### Connector For Two Cables In Parallel



A clamp type connector for connecting two cable or wire conductors in parallel. Any combination accommodating unequal size cables is avaliable.

### Material

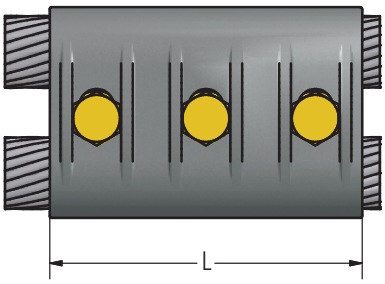
Aluminum Alloy

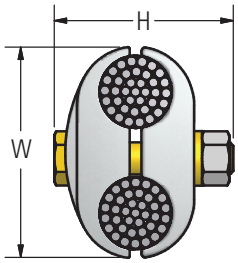
### Hardware

Yellow anodized aluminum bolts, nuts and lockwashers.

### Notes

1. To order an unequal size cable clamp create a catalog number. EX: for a 636 MCM run and 300 MCM tap, order: PC65-30-AA.
2. For Galvanized steel hardware, add suffix "-GS" to catalog number order: PC65-30-AA-GS.
3. For Grade Five Galvanized Steel Hardware, add "-GS5" to catalog number. EX: PC25-25-AA-GS5




## Ordering Information

| CATALOG NUMBER | CONDUCTOR RANGE | | | | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|
| | ACSR | | ALUM. OR CU. | | | | | |
| | MIN | MAX | MIN | MAX | H | L | W | |
| PC10-10-AA | 1(6/1) | 80(8/1) | 2/0 SOL | 1/0 STR | 1 3/4 | 3 | 1 17/32 | 1/2 |
| PC13-13-AA | 1/0(6/1) | | 3/0 SOL | 2/0 STR | 1 3/4 | 3 | 1 5/8 | 1/2 |
| PC17-17-AA | 2/0 | 110.8(12/7) | 4/0 SOL | 3/0 STR | 2 | 4 | 1 27/32 | 1/2 |
| PC21-21-AA | 3/0 | 134.6(12/7) | 4/0 STR | | 2 | 4 | 2 1/32 | 1/2 |
| PC25-25-AA | 4/0 | 203(8/7) | 250 MCM | 266.8 MCM | 2 1/4 | 4 | 2 1/16 | 1/2 |
| PC30-30-AA | 176.9(12/7) | 266.8(26/7) | 300 MCM | | 2 1/4 | 4 1/2 | 2 9/32 | 1/2 |
| PC35-35-AA | 211.3(12/7) | 336.4(18/1) | 336.4 MCM | 350 MCM | 2 1/4 | 4 1/2 | 2 3/8 | 1/2 |
| PC40-40-AA | 203.2(16/19) | 397.5(18/1) | 394.5 MCM | 400 MCM | 2 1/2 | 5 | 2 1/2 | 1/2 |
| PC50-50-AA | 397.5(26/7) | 477(18/1) | 450 MCM | 500 MCM | 2 1/2 | 5 | 2 5/8 | 1/2 |
| PC60-60-AA | 477(24/7) | 477(30/7) | 550 MCM | 600 MCM | 2 1/2 | 5 | 2 27/32 | 1/2 |
| PC65-65-AA | 500(30/7) | 636(36/1) | 636 MCM | 650 MCM | 2 1/2 | 5 | 3 | 1/2 |
| PC75-75-AA | 605(26/7) | 666.6(24/7) | 700 MCM | 750 MCM | 2 1/2 | 5 1/4 | 3 1/16 | 1/2 |

*continued*



© 2011, AFL, all rights reserved. PP-3-00392, Revision 1, 11.1.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE PC-AA

### Connector For Two Cables In Parallel

## Ordering Information (cont.)

| CATALOG NUMBER | | CONDUCTOR RANGE | | | | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|
| | | ACSR | | ALUM. OR CU. | | | | | |
| | | MIN | MAX | MIN | MAX | H | L | W | |
| PC80-10-AA | | 1(6/1) | 800 MCM | 2/0 SOL | 800 MCM | 3 1/16 | 5 1/4 | 2 9/16 | 1/2 |
| PC80-13-AA | | 1/0(6/1) | 795(36/1) | 3/0 SOL | 800 MCM | 3 1/16 | 5 1/4 | 2 9/16 | 1/2 |
| PC80-80-AA | | 715.5(24/7,26/7) | 795(36/1) | 795 MCM | 800 MCM | 2 1/2 | 5 1/4 | 3 1/8 | 1/2 |
| PC103-103-AA | | 795(24/7) | 954(54/7) | 900 MCM | 1033.5 MCM | 2 3/4 | 5 1/2 | 3 3/8 | 1/2 |
| PC127-127-AA | | 1033.5(36/1) | 1113(54/19) | 1100 MCM | 1272 MCM | 3 | 5 1/2 | 3 5/8 | 1/2 |
| PC150-150-AA | | 1192.5(45/7) | 1351.5(54/19) | 1300 MCM | 1500 MCM | 3 1/2 | 6 | 4 1/8 | 5/8 |
| PC175-127-AA | Large Groove | 1431(45/7) | 1590(54/19) | 1590 MCM | 1750 MCM | 3 7/8 | 6 | 4 3/8 | 1/2 |
| | Small Groove | 1033.5(36/1) | 1113(54/19) | 1100 MCM | 1272 MCM | | | | |
| PC175-175-AA | | 1431(45/7) | 1590(54/19) | 1590 MCM | 1750 MCM | 3 1/2 | 6 | 4 1/2 | 5/8 |
| PC200-200-AA | | 1590(54/19) | 1780(54/19) | 1800 MCM | 2000 MCM | 3 1/2 | 6 | 4 1/2 | 5/8 |
| PC250-250-AA | | 2156 | 2312 | 2250 MCM | 2500 MCM | 4 1/4 | 7 3/4 | 5 1/4 | 5/8 |
| PC350-350-AA | | – | – | 3000 MCM | 3500 MCM | 3 1/2 | 6 | 5 | 5/8 |

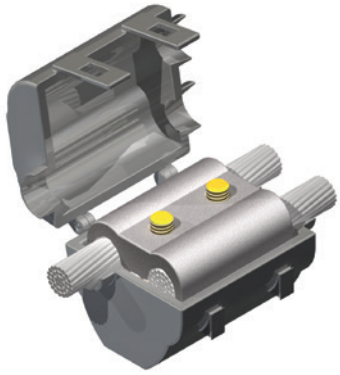


© 2011, AFL, all rights reserved. PP-3-00392, Revision 1, 11.1.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE TRV-AA

### Parallel Connector



Connects a cable main parallel to a cable tap, features clamping members made of aluminum. The bolts, nuts and lockwashers are stainless steel to enhance clamping efficiency and resistance to corrosion. The assembly is encased in a plastic cover.

### Material

Aluminum Alloy

### Hardware

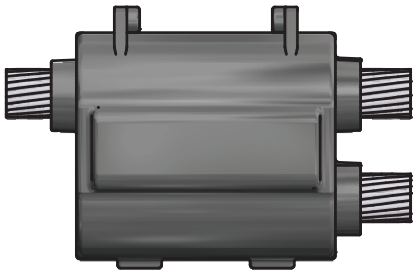
Stainless Steel bolts, Belleville spring washers, and Neoprene bolt retainers.

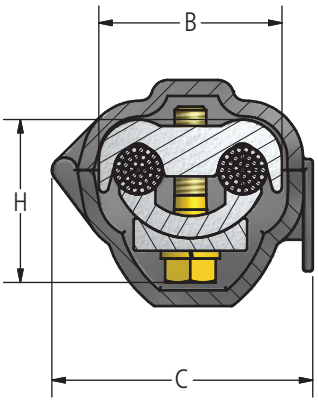
### Cover

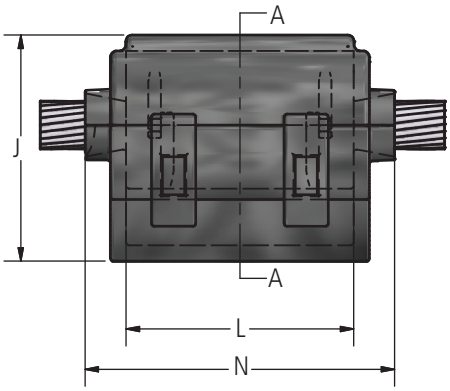
Black Polyethylene

### Note

For conductor grooves coated with Alnox, order by adding prefix -LP.
EX: TRV10-10-AA-LP






## Ordering Information

| CATALOG NUMBER | CABLE RANGE | | | | DIMENSIONS IN INCHES | | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | RUN | | TAP | | | | | | | | |
| | MIN | MAX | MIN | MAX | B | C | H | J | L | N | |
| TRV10-10-AA | #8 | # 1/0 | #8 | # 1/0 | 1.500 | 2 11/32 | 1.370 | 1 25/32 | 1.620 | 2 5/8 | 5/16 |
| TRV10-35-AA | #8 | # 1/0 | # 3/0 | 350 | 2.090 | 2 15/16 | 1.900 | 2 7/32 | 2.120 | 3 1/8 | 3/8 |
| TRV17-10-AA | #4 | # 3/0 | #8 | # 1/0 | 1.700 | 2 19/32 | 1.610 | 2 1/32 | 2.120 | 3 1/8 | 3/8 |
| TRV17-17-AA | #4 | # 3/0 | #4 | # 3/0 | 1.750 | 2 19/32 | 1.610 | 2 1/32 | 2.120 | 3 1/8 | 3/8 |
| TRV35-10-AA | # 3/0 | 350 | #8 | # 1/0 | 2.090 | 2 15/16 | 1.900 | 2 7/32 | 2.120 | 3 1/8 | 3/8 |
| TRV35-35-AA | # 3/0 | 350 | # 3/0 | 350 | 2.310 | 3 5/32 | 1.910 | 2 1/4 | 2.120 | 3 1/8 | 3/8 |

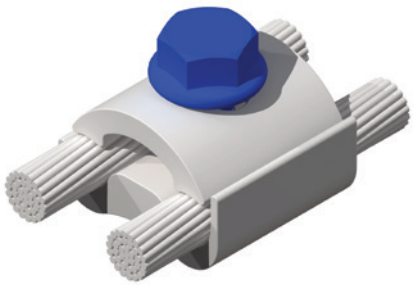




© 2011, AFL, all rights reserved. PP-3-00484, Revision 0, 1.08.11
Specifications are subject to change without notice.

# DOSSERT®

## Distribution Parallel Groove Clamps
**(Series 390 and 490)**



Catalog 390 and Catalog 490 Series Distribution Parallel Groove Clamps with a single bolt accomodate a range of conductors in each groove. This type of clamp is commonly used for service drop connections and as a tap from large to relatively small conductors.

### Material
Aluminum Alloy

### Hardware
Blue anodized bolt.

### Notes
1. To order Parallel Groove Clamps prefilled with Alnox Compound, add P or W suffix to part number. See ordering information below.
2. The use of Alnox Compound liberally in grooves and on wire is recommended. Be sure conductors are clean. All conductors (new and old) should be thoroughly cleaned with a scratch brush or emery cloth.
3. Extensive field experience and exposure tests show that if a suitable type joint compound is liberally applied over and around the contact area, copper-to-aluminum electric connections can be made satisfactorily with aluminum clamps without copper bushings. Alnox Compound is recommended.

## Ordering Information

| CATALOG NUMBER | GROOVE SIZE | | BOLT SIZE (IN) | TORQUE (FT-LBS) | NOMINAL WEIGHT (LBS) |
|---|---|---|---|---|---|
| | RUN 1 | TAP 2 | | | |
| 490.0 | 0 | 0 | 5/16" | 10 | 0.060 |
| 395.5 | 5 | 5 | 3/8" | 15 | 0.092 |
| 396.6 | 6 | 6 | 3/8" | 15 | 0.129 |
| 397.5 | 7 | 5 | 7/16" | 20 | 0.179 |
| 392.6 | 2 | 6 | 1/2" | 25 | 0.316 |
| 393.6 | 3 | 6 | 5/8" | 40 | 0.642 |

Standard groove numbers are used for the complete range of clamps and connectors. These numbers are incorporated into the AFL part number itself.

| GROOVE SIZE | GROOVE SIZE | | CONDUCTOR SIZE | | | |
|---|---|---|---|---|---|---|
| | DIMENSIONS IN INCHES | | ACSR | | STRANDED ALUMINUM | |
| | MIN | MAX | MIN | MAX | MIN | MAX |
| 0 | 0.128 | 0.325 | 6 6/1 | 2 7/1 | 8 & 8W | 2 |
| 5 | 0.128 | 0.398 | 6 6/1 | 1/0 | 8 & 8W | 1/0 |
| 6 | 0.162 | 0.464 | 6 6/1 | 2/0 6/1 | 6 | 3/0 |
| 1 | 0.292 | 0.502 | 2 6/1 | 3/0 | 2 | 3/0 |
| 7 | 0.368 | 0.593 | 1/0 | 4/0 | 1/0 | 266.8 MCM |
| 2 | 0.464 | 0.743 | 3/0 | 397 18/1 | 3/0 | 400 MCM |
| 3 | 0.743 | 1.152 | 397 18/1 | 795 26/7 | 450 MCM | 1,000 MCM |
| 4 | 1.060 | 1.545 | 795 45/7 | 1590 54/19 | 874.5 MCM | 1,750 MCM |

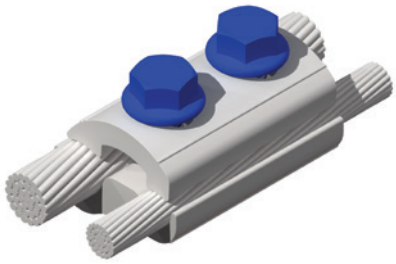
### Notes
1. NEMA standard abbreviations for aluminum or copper: W = solid conductor, ACSR = aluminum conductor/steel reinforced





© 2011, AFL, all rights reserved. PP-3-00457, Revision 1, 3.1.18
Specifications are subject to change without notice.

# DOSSERT®
## Center Bolt Clamps Series 480



Catalog 480 Series Center Bolt Clamps are a multiple bolt heavy duty universal groove design which can handle the full electrical load of the conductor. They offer the convenience of installation without any loose parts. Catalog 480 Clamps are made from extruded high strength aluminum alloy and can be taped easily. Additionally, they have a minimum bulk, which results in a neat appearance.

### Material
Aluminum Alloy

### Hardware
Blue anodized bolt.

### Notes
1. To order Parallel Groove Clamps prefilled with Alnox Compound, add P or W suffix to part number. See ordering information below.
2. The use of Alnox Compound liberally in grooves and on wire is recommended. Be sure conductors are clean. All conductors (new and old) should be thoroughly cleaned with a scratch brush or emery cloth.
3. Extensive field experience and exposure tests show that if a suitable type joint compound is liberally applied over and around the contact area, copper-to-aluminum electric connections can be made satisfactorily with aluminum clamps without copper bushings. Alnox Compound is recommended.

## Ordering Information

| CATALOG NUMBER | GROOVE SIZE | | NUMBER OF BOLTS | BOLT SIZE (IN) | TORQUE (FT-LBS) | NOMINAL WEIGHT (LBS) |
|---|---|---|---|---|---|---|
| | RUN 1 | TAP 2 | | | | |
| 486.6 | 6 | 6 | 2 | 3/8" | 15 | 0.2 |
| 481.0 | 1 | 0 | 2 | 3/8" | 15 | 0.3 |
| 481.1 | 1 | 1 | 2 | 3/8" | 15 | 0.3 |
| 482.1 | 2 | 1 | 2 | 1/2" | 25 | 0.6 |
| 482.2 | 2 | 2 | 3 | 1/2" | 25 | 1.1 |
| 483.2 | 3 | 2 | 2 | 5/8" | 40 | 1.8 |
| 483.3 | 3 | 3 | 3 | 5/8" | 40 | 2.8 |

Standard groove numbers are used for the complete range of clamps and connectors. These numbers are incorporated into the AFL part number itself.

| GROOVE SIZE | GROOVE SIZE | | CONDUCTOR SIZE | | | |
|---|---|---|---|---|---|---|
| | DIMENSIONS IN INCHES | | ACSR | | STRANDED ALUMINUM | |
| | MIN | MAX | MIN | MAX | MIN | MAX |
| 0 | 0.128 | 0.325 | 6 6/1 | 2 7/1 | 8 & 8W | 2 |
| 5 | 0.128 | 0.398 | 6 6/1 | 1/0 | 8 & 8W | 1/0 |
| 6 | 0.162 | 0.464 | 6 6/1 | 2/0 6/1 | 6 | 3/0 |
| 1 | 0.292 | 0.502 | 2 6/1 | 3/0 | 2 | 3/0 |
| 7 | 0.368 | 0.593 | 1/0 | 4/0 | 1/0 | 266.8 MCM |
| 2 | 0.464 | 0.743 | 3/0 | 397 18/1 | 3/0 | 400 MCM |
| 3 | 0.743 | 1.152 | 397 18/1 | 795 26/7 | 450 MCM | 1,000 MCM |
| 4 | 1.060 | 1.545 | 795 45/7 | 1590 54/19 | 874.5 MCM | 1,750 MCM |

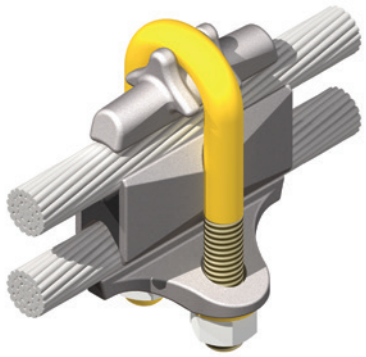
### Notes
1. NEMA standard abbreviations for aluminum or copper: W = solid conductor, ACSR = aluminum conductor/steel reinforced





© 2011, AFL, all rights reserved. PP-3-00457, Revision 1, 3.1.18
Specifications are subject to change without notice.

# DOSSERT®
## U-Bolt Clamps Series 580



Catalog 580 Series U-Bolt Clamps are heavy duty, high efficiency connectors with AFL full-capacity grooves. The U-Bolts are high strength aluminum alloy for excellent thermal expansion and corrosion resistance characteristics.

### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum U-bolts, nuts and lockwashers.

### Notes

1. To order Parallel Groove Clamps prefilled with Alnox Compound, add P or W suffix to part number. See ordering information below.
2. The use of Alnox Compound liberally in grooves and on wire is recommended. Be sure conductors are clean. All conductors (new and old) should be thoroughly cleaned with a scratch brush or emery cloth.
3. Extensive field experience and exposure tests show that if a suitable type joint compound is liberally applied over and around the contact area, copper-to-aluminum electric connections can be made satisfactorily with aluminum clamps without copper bushings. Alnox Compound is recommended.

## Ordering Information

| CATALOG NUMBER | GROOVE SIZE | | NUMBER OF BOLTS | BOLT SIZE (IN) | TORQUE (FT-LBS) | NOMINAL WEIGHT (LBS) |
|---|---|---|---|---|---|---|
| | RUN 1 | TAP 2 | | | | |
| 581.1 | 1 | 1 | 1 | 3/8" | 15 | 0.3 |
| 582.1 | 2 | 1 | 1 | 1/2" | 25 | 0.6 |
| 582.2 | 2 | 2 | 2 | 1/2" | 25 | 1.3 |
| 583.1 | 3 | 1 | 1 | 5/8" | 40 | 1.1 |
| 583.2 | 3 | 2 | 2 | 5/8" | 40 | 2.6 |
| 583.3 | 3 | 3 | 3 | 5/8" | 40 | 3.9 |
| 584.1 | 4 | 1 | 1 | 5/8" | 40 | 1.7 |
| 584.2 | 4 | 2 | 2 | 5/8" | 40 | 3.6 |
| 584.3 | 4 | 3 | 3 | 5/8" | 40 | 5.8 |
| 584.4 | 4 | 4 | 3 | 5/8" | 40 | 6.0 |

Standard groove numbers are used for the complete range of clamps and connectors. These numbers are incorporated into the AFL part number itself.

| GROOVE SIZE | GROOVE SIZE | | CONDUCTOR SIZE | | | |
|---|---|---|---|---|---|---|
| | DIMENSIONS IN INCHES | | ACSR | | STRANDED ALUMINUM | |
| | MIN | MAX | MIN | MAX | MIN | MAX |
| 0 | 0.128 | 0.325 | 6 6/1 | 2 7/1 | 8 & 8W | 2 |
| 5 | 0.128 | 0.398 | 6 6/1 | 1/0 | 8 & 8W | 1/0 |
| 6 | 0.162 | 0.464 | 6 6/1 | 2/0 6/1 | 6 | 3/0 |
| 1 | 0.292 | 0.502 | 2 6/1 | 3/0 | 2 | 3/0 |
| 7 | 0.368 | 0.593 | 1/0 | 4/0 | 1/0 | 266.8 MCM |
| 2 | 0.464 | 0.743 | 3/0 | 397 18/1 | 3/0 | 400 MCM |
| 3 | 0.743 | 1.152 | 397 18/1 | 795 26/7 | 450 MCM | 1,000 MCM |
| 4 | 1.060 | 1.545 | 795 45/7 | 1590 54/19 | 874.5 MCM | 1,750 MCM |

### Notes

1. NEMA standard abbreviations for aluminum or copper: W = solid conductor, ACSR = aluminum conductor/steel reinforced





© 2011, AFL, all rights reserved. PP-3-00457, Revision 1, 3.1.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE UD-AA

### Universal Parallel Clamp



A universal clamp to provide a connection for two cables or wires over a wide range of sizes.

### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts and lockwashers.

### Notes

Voltage rating is 230 kV

For tin plating add "-SN" to end of catalog number. EX: UD50-21-AA-SN

Add suffix "GS" for galvanized steel hardware. EX: UD50-21-AA-GS

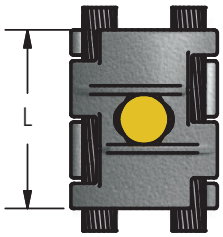



FIG. 1

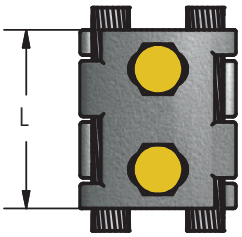



FIG. 2

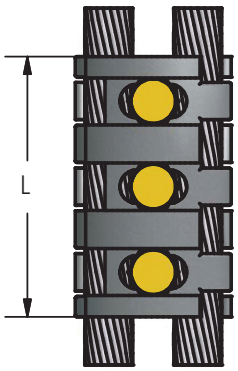
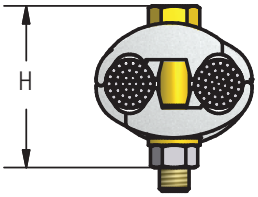



FIG. 3




## Ordering Information

| CATALOG NUMBER | CONDUCTOR RANGE AAC | | FIGURE NUMBER | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|---|---|
| | MIN | MAX | | H | L | BOLT SIZE |
| UD10-2-AA | #6 SOL. | 1/0 STR. | 1 | 1 3/4 | 2 | 3/8 |
| UD21-4-AA | #4 SOL. | 4/0 STR. | 2 | 2 | 2 1/4 | 3/8 |
| UD30-6-AA | #2 SOL. | 300 MCM | 2 | 2 1/4 | 2 1/2 | 3/8 |
| UD50-21-AA | 4/0 STR. | 500 MCM | 3 | 2 3/4 | 4 3/8 | 1/2 |
| UD80-30-AA | 300 MCM | 800 MCM | 3 | 3 1/4 | 4 1/2 | 1/2 |
| UD100-50-AA | 500 MCM | 1000 MCM | 3 | 3 1/2 | 4 5/8 | 1/2 |





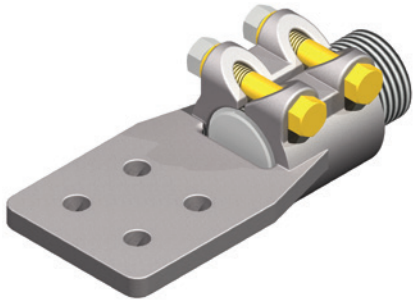
© 2011, AFL, all rights reserved. PP-3-00491, Revision 0, 1.12.11
Specifications are subject to change without notice.

230 kV Aluminum
Bolted Stud Connectors

# DOSSERT®

## TYPE SCB-F-AA

### Stud Connector to Flat Bar



Aluminum Connector for Stud to Flat

### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, and lockwashers.

### Notes

1. Add suffix "-SN" catalog number for tinned plated order: SCB200-1/2F-4N4-T12-AA-SN

2. For special thread sizes change the "-T" in the catalog number. EX: for a 1" stud with no threads order: SCB100-1/4F-2N-T0-AA.

**FIG. 1**

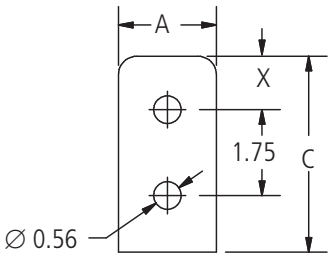



**FIG. 2**

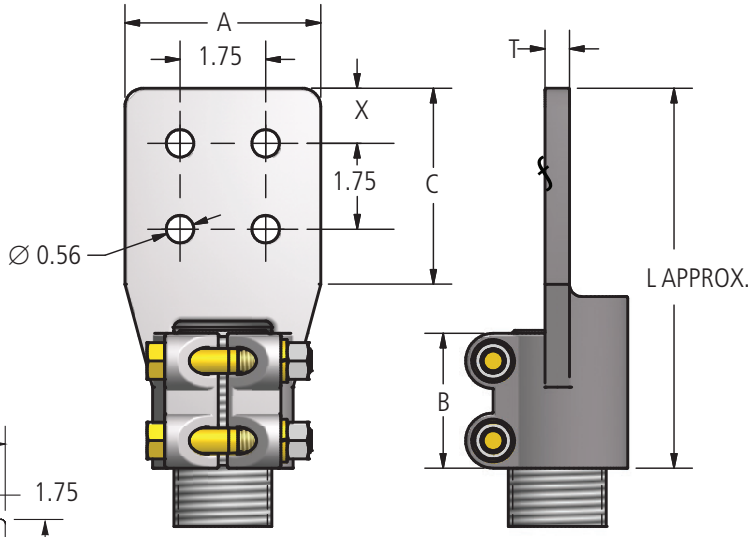
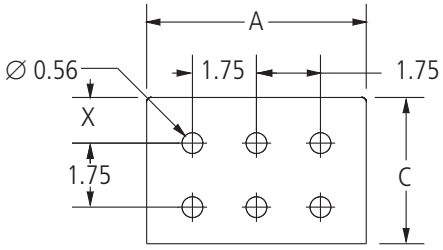



**FIG. 3**






© 2011, AFL, all rights reserved. PP-3-00448, Revision 6, 6.1.18
Specifications are subject to change without notice.

AFL

# 230 kV Aluminum Bolted Stud Connectors

## DOSSERT®

## TYPE SCB-F-AA

**Stud Connector to Flat Bar**

### Ordering Information

| CATALOG NUMBER | STUD DIAMETER | THREADS PER INCH | FIGURE NUMBER | DIMENSIONS IN INCHES | | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | C | L | T | X | |
| SCB75-1/4F-2N-T16-AA | 3/4 | 16 | 1 | 2 | 2 1/4 | 3 | 5 7/8 | 1/4 | 5/8 | 1/2 |
| SCB75-3/8F-3N-T16-AA | 3/4 | 16 | 2 | 3 | 2 1/4 | 3 | 5 7/8 | 3/8 | 5/8 | 1/2 |
| SCB75-3/8F-4N-T16-AA | 3/4 | 16 | 2 | 4 | 2 1/4 | 3 | 5 7/8 | 3/8 | 5/8 | 1/2 |
| SCB100-1/4F-2N-T14-AA | 1 | 14 | 1 | 2 | 2 1/4 | 3 | 5 7/8 | 1/4 | 5/8 | 1/2 |
| SCB100-1/4F-3N-T14-AA | 1 | 14 | 2 | 3 | 2 1/4 | 3 | 5 7/8 | 1/4 | 5/8 | 1/2 |
| SCB100-3/8F-3N-T14-AA | 1 | 14 | 2 | 3 | 2 1/4 | 3 | 5 7/8 | 3/8 | 5/8 | 1/2 |
| SCB100-3/8F-4N-T14-AA | 1 | 14 | 2 | 4 | 2 1/4 | 3 | 5 7/8 | 3/8 | 5/8 | 1/2 |
| SCB100-3/8F-4N4-T14-AA | 1 | 14 | 2 | 4 | 2 1/4 | 4 | 6 7/8 | 3/8 | 1 1/8 | 1/2 |
| SCB112-3/8F-2N-T12-AA | 1 1/8 | 12 | 1 | 2 | 2 1/4 | 3 | 5 7/8 | 3/8 | 5/8 | 1/2 |
| SCB112-3/8F-3N-T12-AA | 1 1/8 | 12 | 2 | 3 | 2 1/4 | 3 | 5 7/8 | 3/8 | 5/8 | 1/2 |
| SCB112-3/8F-4N-T12-AA | 1 1/8 | 12 | 2 | 4 | 2 1/4 | 3 | 5 7/8 | 3/8 | 5/8 | 1/2 |
| SCB112-3/8F-4N4-T12-AA | 1 1/8 | 12 | 2 | 4 | 2 1/4 | 4 | 5 7/8 | 3/8 | 1 1/8 | 1/2 |
| SCB112-1/2F-3N-T12-AA | 1 1/8 | 12 | 2 | 3 | 2 1/4 | 3 | 5 7/8 | 1/2 | 5/8 | 1/2 |
| SCB112-1/2F-4N-T12-AA | 1 1/8 | 12 | 2 | 4 | 2 1/4 | 3 | 5 7/8 | 1/2 | 5/8 | 1/2 |
| SCB112-1/2F-4N4-T12-AA | 1 1/8 | 12 | 2 | 4 | 2 1/4 | 4 | 6 7/8 | 1/2 | 1 1/8 | 1/2 |
| SCB125-3/8F-3N-T12-AA | 1 1/4 | 12 | 2 | 3 | 2 1/4 | 3 | 5 7/8 | 3/8 | 5/8 | 1/2 |
| SCB125-3/8F-4N-T12-AA | 1 1/4 | 12 | 2 | 4 | 2 1/4 | 3 | 5 7/8 | 3/8 | 5/8 | 1/2 |
| SCB125-1/2F-3N-T12-AA | 1 1/4 | 12 | 2 | 3 | 2 1/4 | 3 | 5 7/8 | 1/2 | 5/8 | 1/2 |
| SCB125-1/2F-4N-T12-AA | 1 1/4 | 12 | 2 | 4 | 2 1/4 | 3 | 5 7/8 | 1/2 | 5/8 | 1/2 |
| SCB125-1/2F-4N4-T12-AA | 1 1/4 | 12 | 2 | 4 | 2 1/4 | 4 | 6 7/8 | 1/2 | 1 1/8 | 1/2 |
| SCB150-3/8F-3N-T12-AA | 1 1/2 | 12 | 2 | 3 | 2 1/4 | 3 | 6 7/8 | 3/8 | 5/8 | 1/2 |
| SCB150-1/2F-3N-T12-AA | 1 1/2 | 12 | 2 | 3 | 2 1/4 | 3 | 5 7/8 | 1/2 | 5/8 | 1/2 |
| SCB150-1/2F-4N-T12-AA | 1 1/2 | 12 | 2 | 4 | 2 1/4 | 3 | 5 7/8 | 1/2 | 5/8 | 1/2 |
| SCB150-1/2F-4N4-T12-AA | 1 1/2 | 12 | 2 | 4 | 2 1/4 | 4 | 6 7/8 | 1/2 | 1 1/8 | 1/2 |
| SCB150-5/8F-3N-T12-AA | 1 1/2 | 12 | 2 | 3 | 2 1/4 | 3 | 6 7/8 | 5/8 | 5/8 | 1/2 |
| SCB150-3/4F-4N-T12-AA | 1 1/2 | 12 | 2 | 4 | 2 1/4 | 3 | 6 1/2 | 3/4 | 5/8 | 1/2 |
| SCB150-3/4F-4N4-T12-AA | 1 1/2 | 12 | 2 | 4 | 2 1/4 | 4 | 6 1/2 | 3/4 | 1 1/8 | 1/2 |
| SCB150-3/4F-6N4-T12-AA | 1 1/2 | 12 | 3 | 6 | 2 3/4 | 4 | 7 3/8 | 3/4 | 1 1/8 | 1/2 |
| SCB157-1/2F-4N4-T0-AA | 40 MM | 0 | 2 | 4 | 2 1/4 | 4 | 7 1/2 | 1/2 | 1 1/8 | 1/2 |
| SCB175-1/2F-4N-T12-AA | 1 3/4 | 12 | 2 | 3 | 2 1/4 | 3 | 6 1/2 | 1/2 | 1 1/8 | 1/2 |
| SCB200-1/2F-3N-T12-AA | 2 | 12 | 2 | 3 | 2 3/4 | 3 | 6 1/2 | 1/2 | 5/8 | 1/2 |
| SCB200-1/2F-4N-T12-AA | 2 | 12 | 2 | 4 | 2 3/4 | 3 | 6 1/2 | 1/2 | 5/8 | 1/2 |
| SCB200-1/2F-4N4-T12-AA | 2 | 12 | 2 | 4 | 2 3/4 | 4 | 7 1/2 | 1/2 | 1 1/8 | 1/2 |
| SCB200-3/4F-3N-T12-AA | 2 | 12 | 2 | 3 | 2 3/4 | 3 | 6 1/2 | 3/4 | 5/8 | 1/2 |
| SCB200-3/4F-4N-T12-AA | 2 | 12 | 2 | 4 | 2 3/4 | 3 | 6 1/2 | 3/4 | 5/8 | 1/2 |
| SCB200-3/4F-4N4-T12-AA | 2 | 12 | 2 | 4 | 2 3/4 | 4 | 7 1/2 | 3/4 | 1 1/8 | 1/2 |
| SCB200-1F-3N-T12-AA | 2 | 12 | 2 | 3 | 2 3/4 | 3 | 6 1/2 | 1 | 5/8 | 1/2 |
| SCB225-5/8F-4N4-T12-AA | 2 1/4 | 12 | 2 | 4 | 2 3/4 | 4 | 7 1/2 | 5/8 | 1 1/8 | 1/2 |
| SCB250-3/4F-3N-T12-AA | 2 1/2 | 12 | 2 | 3 | 2 3/4 | 3 | 6 1/2 | 3/4 | 5/8 | 1/2 |
| SCB250-3/4F-4N-T12-AA | 2 1/2 | 12 | 2 | 4 | 2 3/4 | 3 | 6 1/2 | 3/4 | 5/8 | 1/2 |
| SCB250-3/4F-4N4-T12-AA | 2 1/2 | 12 | 2 | 4 | 2 3/4 | 4 | 7 1/2 | 3/4 | 1 1/8 | 1/2 |
| SCB250-7/8F-4N-T12-AA | 2 1/2 | 12 | 2 | 4 | 2 3/4 | 3 | 6 1/2 | 7/8 | 5/8 | 1/2 |
| SCB250-7/8F-4N4-T12-AA | 2 1/2 | 12 | 2 | 4 | 2 3/4 | 4 | 7 1/2 | 7/8 | 1 1/8 | 1/2 |
| SCB250-1F-6N4-T12-AA | 2 1/2 | 12 | 3 | 6 | 2 3/4 | 4 | 7 1/2 | 1 | 1 1/8 | 1/2 |
| SCB300-1/2F-3N-T12-AA | 3 | 12 | 2 | 3 | 2 3/4 | 3 | 7 1/4 | 1/2 | 5/8 | 5/8 |
| SCB300-3/4F-3N-T12-AA | 3 | 12 | 2 | 3 | 2 3/4 | 3 | 7 1/4 | 3/4 | 5/8 | 5/8 |
| SCB300-3/4F-4N-T12-AA | 3 | 12 | 2 | 4 | 2 3/4 | 3 | 7 1/4 | 3/4 | 5/8 | 5/8 |
| SCB300-3/4F-4N4-T12-AA | 3 | 12 | 2 | 4 | 2 3/4 | 4 | 8 1/4 | 3/4 | 1 1/8 | 5/8 |
| SCB300-3/4F-6N4-T12-AA | 3 | 12 | 3 | 6 | 2 3/4 | 4 | 8 1/4 | 3/4 | 1 1/8 | 5/8 |
| SCB300-1F-3N-T12-AA | 3 | 12 | 2 | 3 | 2 3/4 | 3 | 7 1/4 | 1 | 5/8 | 5/8 |
| SCB300-1F-4N-T12-AA | 3 | 12 | 2 | 4 | 2 3/4 | 3 | 7 1/4 | 1 | 5/8 | 5/8 |
| SCB300-1F-4N4-T12-AA | 3 | 12 | 2 | 4 | 3 1/2 | 4 | 8 5/8 | 1 | 1 1/8 | 5/8 |
| SCB400-1F-4N4-T10-AA | 4 | 10 | 2 | 4 | 3 1/2 | 4 | 8 1/2 | 1 | 1 1/8 | 5/8 |
| SCB400-1F-4N4-T12-AA | 4 | 12 | 2 | 4 | 3 1/2 | 4 | 8 1/2 | 1 | 1 1/8 | 5/8 |
| SCB500-1-1/4F-6N4-T12-AA | 5 | 12 | 3 | 6 | 4 | 4 | 9 1/8 | 1 1/4 | 1 1/8 | 5/8 |



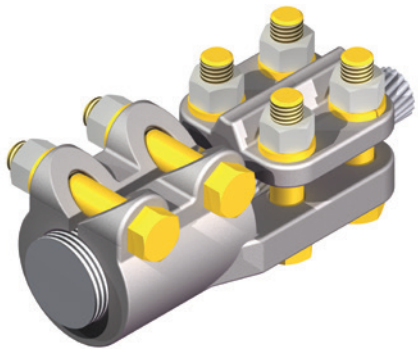
© 2011, AFL, all rights reserved. PP-3-00448, Revision 6, 6.1.18
Specifications are subject to change without notice.

# 230 kV Aluminum Bolted Stud Connectors

## DOSSERT®

## TYPE SCV-AA

### Stud Connector to Cable



Stud connector is designed for use on aluminum studs. The cable connector is designed with a universal groove which allows a range of aluminum or ACSR conductor for each size.

### Material

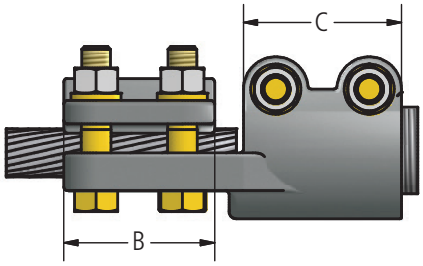
Aluminum Alloy

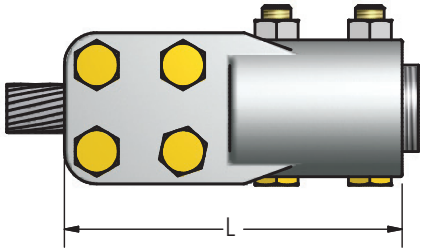
### Hardware

Yellow anodized aluminum bolts, nuts and lockwashers.

### Notes

1. Special thread is available upon request.
2. For no thread replace number after 'T' with a '0'. Ex: SCV50-25-T0-AA




## Ordering Information

| CATALOG NUMBER | STUD DIA. | THREADS PER INCH | CABLE RANGE | | CABLE RANGE ACSR | | DIMENSIONS IN INCHES | | | BOLT SIZE | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | MIN | MAX | MIN | MAX | B | C | L | STUD | CABLE |
| SCV50-25-T13-AA | 1/2 | 13 | 1/0 | 250M | 1/0 | 4/0 | 3 | 2 1/4 | 5 1/2 | 1/2 | 1/2 |
| SCV50-40-T13-AA | 1/2 | 13 | 250M | 400M | 4/0 | 397.5 | 3 | 2 1/4 | 5 1/2 | 1/2 | 1/2 |
| SCV50-60-T13-AA | 1/2 | 13 | 350M | 600M | 336.4 | 477 | 3 | 2 1/4 | 5 1/2 | 1/2 | 1/2 |
| SCV75-25-T16-AA | 3/4 | 16 | 1/0 | 250M | 1/0 | 4/0 | 3 | 2 1/4 | 5 1/2 | 1/2 | 1/2 |
| SCV75-40-T16-AA | 3/4 | 16 | 250M | 400M | 4/0 | 397.5 | 3 | 2 1/4 | 5 1/2 | 1/2 | 1/2 |
| SCV75-60-T16-AA | 3/4 | 16 | 350M | 600M | 336.4 | 477 | 3 | 2 1/4 | 5 1/2 | 1/2 | 1/2 |
| SCV75-90-T16-AA | 3/4 | 16 | 500M | 900M | 477 | 795 | 3 | 2 1/4 | 5 1/2 | 1/2 | 1/2 |
| SCV75-125-T16-AA | 3/4 | 16 | 900M | 1250M | 715.5 | 1113 | 3 1/4 | 2 1/4 | 5 3/4 | 1/2 | 1/2 |
| SCV78-25-T0-AA | 25/32 | 0 | 1/0 | 250M | 1/0 | 4/0 | 3 | 2 1/4 | 5 1/2 | 1/2 | 1/2 |
| SCV100-25-T14-AA | 1 | 14 | 1/0 | 250M | 1/0 | 4/0 | 3 | 2 1/4 | 5 1/2 | 1/2 | 1/2 |
| SCV100-40-T14-AA | 1 | 14 | 250M | 400M | 4/0 | 397.5 | 3 | 2 1/4 | 5 1/2 | 1/2 | 1/2 |
| SCV100-60-T14-AA | 1 | 14 | 350M | 600M | 336.4 | 477 | 3 | 2 1/4 | 5 1/2 | 1/2 | 1/2 |
| SCV100-90-T14-AA | 1 | 14 | 500M | 900M | 477 | 795 | 3 | 2 1/4 | 5 1/2 | 1/2 | 1/2 |
| SCV100-125-T14-AA | 1 | 14 | 900M | 1250M | 715.5 | 1113 | 3 1/4 | 2 1/4 | 5 3/4 | 1/2 | 1/2 |
| SCV112-25-T12-AA | 1-1/8 | 12 | 1/0 | 250M | 1/0 | 4/0 | 3 | 2 1/4 | 5 1/2 | 1/2 | 1/2 |
| SCV112-40-T12-AA | 1-1/8 | 12 | 250M | 400M | 4/0 | 397.5 | 3 | 2 1/4 | 5 1/2 | 1/2 | 1/2 |
| SCV112-60-T12-AA | 1-1/8 | 12 | 350M | 600M | 336.4 | 477 | 3 | 2 1/4 | 5 1/2 | 1/2 | 1/2 |
| SCV112-90-T12-AA | 1-1/8 | 12 | 500M | 900M | 477 | 795 | 3 | 2 1/4 | 5 1/2 | 1/2 | 1/2 |
| SCV112-125-T12-AA | 1-1/8 | 12 | 900M | 1250M | 715.5 | 1113 | 3 1/4 | 2 1/4 | 5 3/4 | 1/2 | 1/2 |
| SCV112-160-T12-AA | 1-1/8 | 12 | 1250M | 1600M | 1113 | 1431 | 4 3/8 | 2 1/4 | 6 7/8 | 1/2 | 5/8 |



© 2011, AFL, all rights reserved. PP-3-00450, Revision 0, 1.12.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE SCV-AA

**Stud Connector to Cable**

### Ordering Information cont.

| CATALOG NUMBER | STUD DIA. | THREADS PER INCH | CABLE RANGE | | CABLE RANGE ACSR | | DIMENSIONS IN INCHES | | | BOLT SIZE | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | MIN | MAX | MIN | MAX | B | C | L | STUD | CABLE |
| SCV125-40-T12-AA | 1-1/8 | 12 | 250M | 400M | 4/0 | 397.5 | 3 | 2-1/4 | 5-1/2 | 1/2 | 1/2 |
| SCV125-60-T12-AA | 1-1/4 | 12 | 350M | 600M | 336.4 | 477 | 3 | 2-1/4 | 5-1/2 | 1/2 | 1/2 |
| SCV125-90-T14-AA | 1-1/4 | 12 | 500M | 900M | 477 | 795 | 3 | 2-1/4 | 5-1/2 | 1/2 | 1/2 |
| SCV125-125-T14-AA | 1-1/4 | 12 | 900M | 1250M | 715.5 | 1113 | 3-1/4 | 2-1/4 | 5-3/4 | 1/2 | 1/2 |
| SCV150-25-T12-AA | 1-1/4 | 12 | 1/0 | 250M | 1/0 | 4/0 | 3 | 2-1/4 | 5-1/2 | 1/2 | 1/2 |
| SCV150-40-T12-AA | 1-1/2 | 12 | 250M | 400M | 4/0 | 397.5 | 3 | 2-1/4 | 5-1/2 | 1/2 | 1/2 |
| SCV150-60-T12-AA | 1-1/2 | 12 | 350M | 600M | 336.4 | 477 | 3 | 2-1/4 | 5-1/2 | 1/2 | 1/2 |
| SCV150-90-T12-AA | 1-1/2 | 12 | 500M | 900M | 477 | 795 | 3 | 2-1/4 | 5-1/2 | 1/2 | 1/2 |
| SCV150-125-T12-AA | 1-1/2 | 12 | 900M | 1250M | 715.5 | 1113 | 3-1/4 | 2-1/4 | 5-7/8 | 1/2 | 1/2 |
| SCV150-160-T12-AA | 1-1/2 | 12 | 1250M | 1600M | 1113 | 1431 | 4-3/8 | 2-1/4 | 7 | 1/2 | 1/2 |
| SCV150-200-T12-AA | 1-1/2 | 12 | 1500M | 2000M | 1272 | 1780 | 4-1/2 | 2-1/4 | 7-1/8 | 1/2 | 1/2 |
| SCV150-250-T12-AA | 1-1/2 | 12 | 2000M | 2500M | 1780 | 2300 | 4-1/2 | 2-1/4 | 7-1/8 | 1/2 | 1/2 |
| SCV175-25-T12-AA | 1-3/4 | 12 | 1/0 | 250M | 1/0 | 4/0 | 3 | 2-3/4 | 6 | 1/2 | 1/2 |
| SCV175-40-T12-AA | 1-3/4 | 12 | 250M | 400M | 4/0 | 397.5 | 3 | 2-3/4 | 6 | 1/2 | 1/2 |
| SCV175-60-T12-AA | 1-3/4 | 12 | 350M | 600M | 336.4 | 477 | 3 | 2-3/4 | 6 | 1/2 | 1/2 |
| SCV175-90-T12-AA | 1-3/4 | 12 | 500M | 900M | 477 | 795 | 3 | 2-3/4 | 6 | 1/2 | 1/2 |
| SCV175-125-T12-AA | 1-3/4 | 12 | 900M | 1250M | 715 | 1113 | 3-1/4 | 2-3/4 | 6-1/4 | 1/2 | 1/2 |
| SCV175-160-T12-AA | 1-3/4 | 12 | 1250M | 1600M | 1113 | 1431 | 4-3/8 | 2-3/4 | 7-3/8 | 1/2 | 5/8 |
| SCV175-200-T12-AA | 1-3/4 | 12 | 1500M | 2000M | 1272 | 1780 | 4-1/2 | 2-3/4 | 7-1/2 | 1/2 | 5/8 |
| SCV175-250-T12-AA | 1-3/4 | 12 | 2000M | 2500M | 1780 | 2300 | 4-1/2 | 2-3/4 | 7-1/2 | 1/2 | 5/8 |
| SCV200-25-T12-AA | 2 | 12 | 1/0 | 250M | 1/0 | 4/0 | 3 | 2-3/4 | 6 | 1/2 | 1/2 |
| SCV200-40-T12-AA | 2 | 12 | 250M | 400M | 4/0 | 397.5 | 3 | 2-3/4 | 6 | 1/2 | 1/2 |
| SCV200-60-T12-AA | 2 | 12 | 350M | 600M | 336.4 | 477 | 3 | 2-3/4 | 6 | 1/2 | 1/2 |
| SCV200-90-T12-AA | 2 | 12 | 500M | 900M | 477 | 795 | 3 | 2-3/4 | 6 | 1/2 | 1/2 |
| SCV200-125-T12-AA | 2 | 12 | 900M | 1250M | 715 | 1113 | 3-1/4 | 2-3/4 | 6-1/2 | 1/2 | 1/2 |
| SCV200-160-T12-AA | 2 | 12 | 1250M | 1600M | 1113 | 1431 | 4-3/8 | 2-3/4 | 7-3/8 | 1/2 | 5/8 |
| SCV200-200-T12-AA | 2 | 12 | 1500M | 2000M | 1272 | 1780 | 4-1/2 | 2-3/4 | 7-1/2 | 1/2 | 5/8 |
| SCV200-250-T12-AA | 2 | 12 | 2000M | 2500M | 1780 | 2300 | 4-1/2 | 2-3/4 | 7-1/2 | 1/2 | 5/8 |
| SCV250-25-T12-AA | 2-1/2 | 12 | 1/0 | 250M | 1/0 | 4/0 | 3 | 3 | 6-1/4 | 1/2 | 1/2 |
| SCV250-40-T12-AA | 2-1/2 | 12 | 250M | 400M | 4/0 | 397.5 | 3 | 3 | 6-1/4 | 1/2 | 1/2 |
| SCV250-60-T12-AA | 2-1/2 | 12 | 350M | 600M | 336.4 | 477 | 3 | 3 | 6-1/4 | 1/2 | 1/2 |
| SCV250-90-T12-AA | 2-1/2 | 12 | 500M | 900M | 477 | 795 | 3 | 3 | 6-1/4 | 1/2 | 1/2 |
| SCV250-125-T12-AA | 2-1/2 | 12 | 900M | 1250M | 715 | 1113 | 3-1/4 | 3 | 6-1/2 | 1/2 | 1/2 |
| SCV250-160-T12-AA | 2-1/2 | 12 | 1250M | 1600M | 1113 | 1431 | 4-3/8 | 3 | 7-5/8 | 1/2 | 5/8 |
| SCV250-200-T12-AA | 2-1/2 | 12 | 1500M | 2000M | 1272 | 1780 | 4-1/2 | 3 | 7-3/4 | 1/2 | 5/8 |
| SCV250-250-T12-AA | 2-1/2 | 12 | 2000M | 2500M | 1780 | 2300 | 4-1/2 | 3 | 7-3/7 | 1/2 | 5/8 |
| SCV300-60-T12-AA | 3 | 12 | 350M | 600M | 336.4 | 477 | 3 | 3 | 6-1/4 | 1/2 | 1/2 |
| SCV300-90-T12-AA | 3 | 12 | 500M | 900M | 477 | 795 | 3 | 3 | 6-1/4 | 1/2 | 1/2 |
| SCV300-125-T12-AA | 3 | 12 | 900M | 1250M | 715 | 1113 | 3-1/4 | 3 | 6-1/2 | 1/2 | 1/2 |
| SCV300-160-T12-AA | 3 | 12 | 1250M | 1600M | 1113 | 1431 | 4-3/8 | 3-1/4 | 7-7/8 | 5/8 | 5/8 |
| SCV300-200-T12-AA | 3 | 12 | 1500M | 2000M | 1272 | 1780 | 4-1/2 | 3-1/4 | 8 | 5/8 | 5/8 |
| SCV300-250-T12-AA | 3 | 12 | 2000M | 2500M | 1780 | 2300 | 4-1/2 | 3-1/4 | 8 | 5/8 | 5/8 |



© 2011, AFL, all rights reserved. PP-3-00450, Revision 0, 1.12.11
Specifications are subject to change without notice.

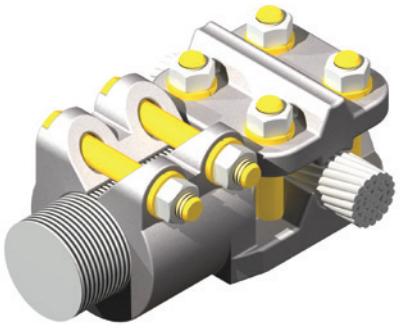
# 230 kV Aluminum Bolted Stud Connectors

## DOSSERT®

## TYPE SCX-AA, S2CX-AA

### Aluminum Stud Connector for Cable

**SCX-AA connects one cable to one stud and S2CX-AA connects two cables on one stud.**



A variable conductor stud connector which takes a wide range of cable sizes in line or in a 90° position. The reversible cap permits optimum clamping for all cable sizes within the assigned ranges. In addition, one flat surface is machined to accommodate flat bar conductors. Can be furnished upon request in type SCX-N-AA with bolt holes to accommodate NEMA standard bar drilling.

### Material

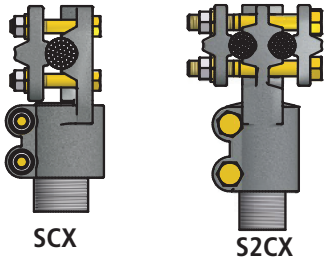
Aluminum Alloy

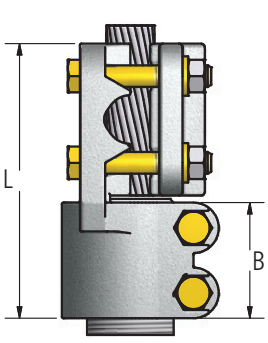
### Hardware

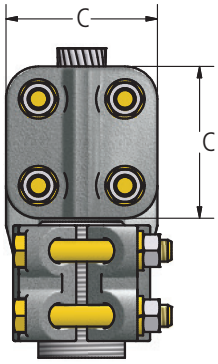
Yellow anodized aluminum bolts, nuts and lockwashers.

### Notes

1. For a 1" T14 stud, and two 1000 MCM cables order S2CX100-100-AA-T14




## Ordering Information

| CATALOG NUMBER | | STUD DIA. | THREADS PER INCH | CABLE RANGE | | SPS RANGE | | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCX-AA | S2CX-AA | | | MIN | MAX | SMALL GROOVE | LARGE GROOVE | B | C | L | |
| SCX50-21-T13-AA | S2CX50-21-T13-AA | 1/2 | 13 | #6 SOL | 4/0 STR | - | - | 2 | 2 | 4 5/8 | 3/8 |
| SCX75-21-T16-AA | S2CX75-21-T16-AA | 3/4 | 16 | #6 SOL | 4/0 STR | - | - | 2 | 2 | 4 5/8 | 3/8 |
| SCX75-50-T16-AA | S2CX75-50-T16-AA | 3/4 | 16 | #6 SOL | 500 MCM | 3/8 | 1/2 | 2 | 2 1/4 | 4 7/8 | 3/8 |
| SCX75-100-T16-AA | S2CX75-100-T16-AA | 3/4 | 16 | #2 SOL | 1000 MCM | 3/8 | 3/4 | 2 | 2 1/2 | 5 1/8 | 3/8 |
| SCX100-21-T14-AA | S2CX100-21-T14-AA | 1 | 14 | #6 SOL | 4/0 STR | - | - | 2 | 2 | 4 3/8 | 3/8 |
| SCX100-50-T14-AA | S2CX100-50-T14-AA | 1 | 14 | #6 SOL | 500 MCM | 3/8 | 1/2 | 2 | 2 1/4 | 4 7/8 | 3/8 |
| SCX100-50-T0-AA | S2CX100-50-T0-AA | 1 | 0 | #6 SOL | 500 MCM | 3/8 | 1/2 | 2 | 2 1/4 | 4 7/8 | 3/8 |
| SCX100-100-T14-AA | S2CX100-100-T14-AA | 1 | 14 | #2 SOL | 1000 MCM | 3/8 | 3/4 | 2 1/2 | 2 7/8 | 6 3/8 | 1/2 |
| SCX112-21-T12-AA | S2CX112-21-T12-AA | 1 1/8 | 12 | #6 SOL | 4/0 STR | - | - | 2 | 2 | 4 5/8 | 3/8 |
| SCX112-50-T12-AA | S2CX112-50-T12-AA | 1 1/8 | 12 | #6 SOL | 500 MCM | 3/8 | 1/2 | 2 | 2 1/4 | 4 7/8 | 3/8 |
| SCX112-100-T12-AA | S2CX112-100-T12-AA | 1 1/8 | 12 | #2 SOL | 1000 MCM | 3/8 | 3/4 | 2 3/4 | 2 7/8 | 6 3/8 | 1/2 |
| SCX125-100-T12-AA | S2CX125-100-T12-AA | 1 1/4 | 12 | #2 SOL | 1000 MCM | 3/8 | 3/4 | 2 3/4 | 2 7/8 | 6 3/8 | 1/2 |
| SCX150-21-T12-AA | S2CX150-21-T12-AA | 1 1/2 | 12 | #6 SOL | 500 MCM | - | - | 2 | 2 | 4 5/8 | 3/8 |
| SCX150-50-T12-AA | S2CX150-50-T12-AA | 1 1/2 | 12 | #6 SOL | 500 MCM | 3/8 | 1/2 | 2 | 2 1/4 | 4 7/8 | 3/8 |
| SCX150-100-T12-AA | S2CX150-100-T12-AA | 1 1/2 | 12 | #2 SOL | 1000 MCM | 3/8 | 3/4 | 2 3/4 | 2 7/8 | 6 3/8 | 1/2 |
| SCX150-200-T12-AA | S2CX150-200-T12-AA | 1 1/2 | 12 | 4/0 STR | 2000 MCM | 3/8 | 1 1/4 | 2 3/4 | 3 3/8 | 6 3/4 | 1/2 |
| SCX200-200-T12-AA | S2CX200-200-T12-AA | 2 | 12 | 4/0 STR | 2000 MCM | 3/8 | 1 1/4 | 2 3/4 | 3 3/8 | 6 3/4 | 1/2 |



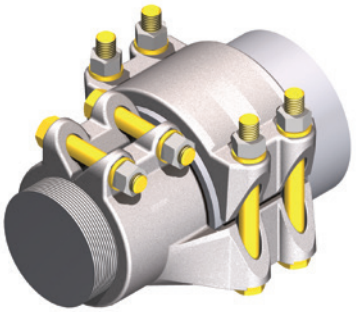
© 2011, AFL, all rights reserved. PP-3-00452, Revision 0, 1.12.11
Specifications are subject to change without notice.

# 230 kV Aluminum Bolted Stud Connectors

## DOSSERT®

## TYPE SP-AA

### Stud Connector to Pipe



A connector for joining a tubular bus conductor to a threaded stud.

### Material

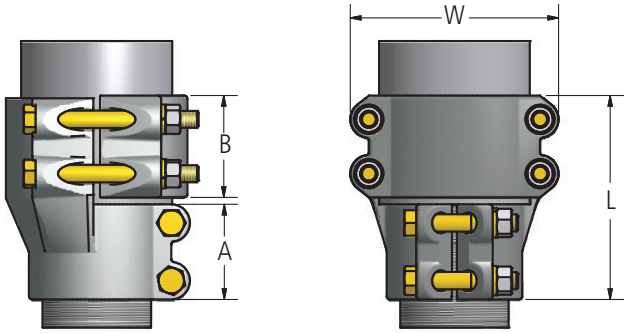
Aluminum Alloy

### Hardware

Yellow anodized aluminum nuts, bolts and lockwashers.

### Notes

1. For tin plating add suffix "-SN" to end of catalog number.
2. For no threads use suffix "T0" in catalog number. Ex: SP100-75-T0-AA-SN.




## Ordering Information

| CATALOG NUMBER | STUD DIAMETER | THREADS PER INCH | SPS | DIMENSIONS IN INCHES | | | | BOLT SIZE | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | L | W | STUD | PIPE |
| SP125-150-T14-AA | 1-1/4 | 14 | 1-1/2 | 2-3/4 | 3 | 6 | 3-5/8 | 1/2 | 1/2 |
| SP100-75-T16-AA | 1 | 16 | 3/4 | 2-3/4 | 2-3/4 | 5-3/4 | 2-13/16 | 1/2 | 1/2 |
| SP150-300-T12-AA | 1-1/2 | 12 | 3 | 2-3/4 | 3-1/2 | 6-1/2 | 5-5/8 | 1/2 | 1/2 |
| SP112-75-T12-AA | 1-1/8 | 12 | 3/4 | 2-3/4 | 2-3/4 | 5-3/4 | 2-13/16 | 1/2 | 1/2 |
| SP112-100-T12-AA | 1-1/8 | 12 | 1 | 2-3/4 | 2-3/4 | 5-3/4 | 3-1/16 | 1/2 | 1/2 |
| SP112-125-T12-AA | 1-1/8 | 12 | 1-1/4 | 2-3/4 | 3 | 6 | 3-7/16 | 1/2 | 1/2 |
| SP112-150-T12-AA | 1-1/8 | 12 | 1-1/2 | 2-3/4 | 3 | 6 | 3-5/8 | 1/2 | 1/2 |
| SP118-250-T12-AA | 1-3/6 | 12 | 2-1/2 | 2-3/4 | 3-1/4 | 6-1/4 | 4-1/8 | 1/2 | 1/2 |
| SP150-100-T12-AA | 1-1/2 | 12 | 1 | 2-3/4 | 2-3/4 | 5-3/4 | 3-1/16 | 1/2 | 1/2 |
| SP150-125-T12-AA | 1-1/2 | 12 | 1-1/4 | 2-3/4 | 3 | 6 | 3-7/16 | 1/2 | 1/2 |
| SP150-150-T12-AA | 1-1/2 | 12 | 1-1/2 | 2-3/4 | 3 | 6 | 3-5/8 | 1/2 | 1/2 |
| SP150-200-T12-AA | 1-1/2 | 12 | 2 | 2-3/4 | 3-1/4 | 6-1/4 | 4-1/8 | 1/2 | 1/2 |
| SP150-250-T12-AA | 1-1/2 | 12 | 2-1/2 | 2-3/4 | 3-1/4 | 6-1/4 | 4-1/8 | 1/2 | 1/2 |
| SP200-100-T12-AA | 2 | 12 | 1 | 2-3/4 | 2-3/4 | 5-3/4 | 3-1/16 | 1/2 | 1/2 |
| SP200-125-T12-AA | 2 | 12 | 1-1/4 | 2-3/4 | 3 | 6 | 3-7/16 | 1/2 | 1/2 |
| SP200-150-T12-AA | 2 | 12 | 1-1/2 | 2-3/4 | 3 | 6 | 3-5/8 | 1/2 | 1/2 |
| SP200-200-T12-AA | 2 | 12 | 2 | 2-3/4 | 3-1/4 | 6-1/4 | 4-1/8 | 1/2 | 1/2 |
| SP200-250-T12-AA | 2 | 12 | 2-1/2 | 2-3/4 | 3-1/4 | 6-1/4 | 4-1/8 | 1/2 | 1/2 |
| SP200-350-T12-AA | 2 | 12 | 3-1/2 | 2-3/4 | 3-3/4 | 6-3/4 | 6-1/8 | 1/2 | 5/8 |
| SP400-500-T10-AA | 4 | 10 | 5 | 3-1/2 | 3-3/4 | 7-1/2 | 7-3/4 | 5/8 | 5/8 |
| SP400-600-T12-AA | 4 | 12 | 6 | 4-1/8 | 8 | 12-1/2 | 8-3/4 | 5/8 | 5/8 |

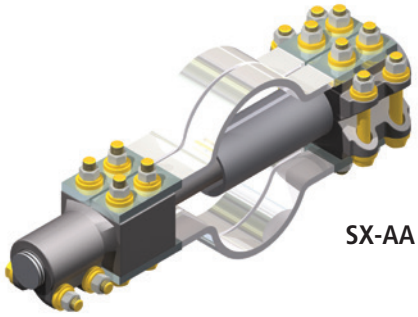


© 2011, AFL, all rights reserved. PP-3-00461, Revision 1, 6.1.18
Specifications are subject to change without notice.

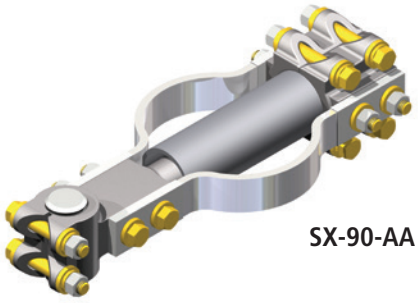
# TYPE SX-AA, SX-90-AA

## Stud Expansion Connector for Pipe

An expansion stud connector for joining a tubular bus to a threaded or unthreaded transformer stud. The movements of the conductors caused by thermal expansion and contraction or settling foundations are efficiently absorbed by the aluminum laminated straps. Type SX is furnished with an alignment guide for connections where axial alignment is required.



SX-AA



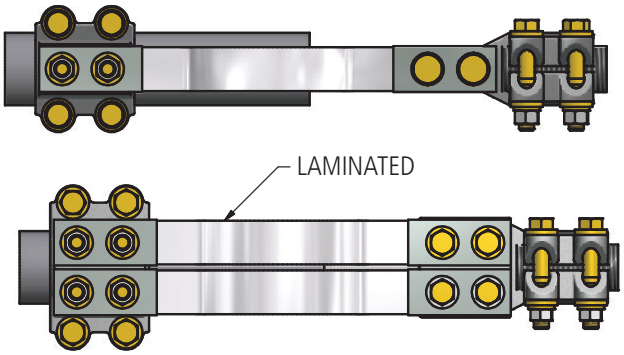
SX-90-AA

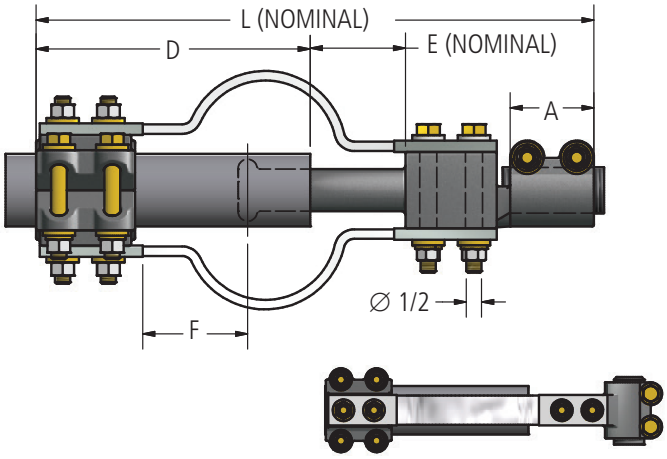
### Material
Aluminum Alloy

### Hardware
Aluminum bolts, nuts, and lockwashers.

### Laminates
Pure aluminum

### Notes
1. For a 90 degree stud connector, add -90 to the Catalog Number.
   Ex: SX100-100-T14-90-AA




SX-90-AA

© 2011, AFL, all rights reserved. PP-3-00466, Revision 4, 10.28.2024
Specifications are subject to change without notice.

# TYPE SX-AA, SX-90-AA

## Stud Expansion Connector for Pipe Type SX

## Ordering Information

| Catalog Number | | SPS | Stud Diameter | Threads Per Inch | Dimension in Inches | | | | | Bolt Size | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | A | D | E | F | L | Stud | SPS |
| SX75-75-T16-AA | SX75-75-T16-90-AA | 3/4 | 3/4 | 16 | 2-1/4 | 6-5/8 | 1-1/2 | 3 | 13-5/8 | 1/2 | 1/2 |
| SX75-100-T16-AA | SX75-100-T16-90-AA | 1 | 3/4 | 16 | 2-1/4 | 6-3/4 | 1-1/2 | 3-1/2 | 13-3/4 | 1/2 | 1/2 |
| SX100-75-T14-AA | SX100-75-T14-90-AA | 3/4 | 1 | 14 | 2-1/4 | 6-5/8 | 1-1/2 | 3 | 13-5/8 | 1/2 | 1/2 |
| SX100-100-T14-AA | SX100-100-T14-90-AA | 1 | 1 | 14 | 2-1/4 | 6-3/4 | 1-1/2 | 3-1/2 | 13-3/4 | 1/2 | 1/2 |
| SX100-125-T14-AA | SX100-125-T14-90-AA | 1-1/4 | 1 | 14 | 2-1/4 | 7-5/8 | 1-1/2 | 3-1/2 | 14-5/8 | 1/2 | 1/2 |
| SX100-150-T14-AA | SX100-150-T14-90-AA | 1-1/2 | 1 | 14 | 2-1/4 | 7-5/8 | 1-1/2 | 3-1/2 | 14-5/8 | 1/2 | 1/2 |
| SX100-200-T12-AA | SX100-200-T12-90-AA | 2 | 1 | 12 | 2-11/32 | 10 | 2-1/2 | 4-1/2 | 16-3/4 | 1/2 | 1/2 |
| SX112-75-T12-AA | SX112-75-T12-90-AA | 3/4 | 1-1/8 | 12 | 2-1/4 | 6-5/8 | 1-1/2 | 3 | 13-5/8 | 1/2 | 1/2 |
| SX112-100-T12-AA | SX112-100-T12-90-AA | 1 | 1-1/8 | 12 | 2-1/4 | 6-3/4 | 1-1/2 | 3-1/2 | 13-3/4 | 1/2 | 1/2 |
| SX112-125-T12-AA | SX112-125-T12-90-AA | 1-1/4 | 1-1/8 | 12 | 2-1/4 | 7-5/8 | 1-1/2 | 3-1/2 | 14-5/8 | 1/2 | 1/2 |
| SX112-150-T12-AA | SX112-150-T12-90-AA | 1-1/2 | 1-1/8 | 12 | 2-1/4 | 7-5/8 | 1-1/2 | 3-1/2 | 14-5/8 | 1/2 | 1/2 |
| SX112-250-T12-AA | SX112-250-T12-90-AA | 2-1/2 | 1-1/8 | 12 | 2-1/2 | 8-3/4 | 2-1/2 | 4-1/2 | 16-5/8 | 1/2 | 1/2 |
| SX125-75-T12-AA | SX125-75-T12-90-AA | 3/4 | 1-1/4 | 12 | 2-3/4 | 6-5/8 | 1-1/2 | 3 | 14-1/8 | 1/2 | 1/2 |
| SX125-100-T12-AA | SX125-100-T12-90-AA | 1 | 1-1/4 | 12 | 2-3/4 | 6-3/4 | 1-1/2 | 3-1/2 | 14-1/4 | 1/2 | 1/2 |
| SX125-125-T12-AA | SX125-125-T12-90-AA | 1-1/4 | 1-1/4 | 12 | 2-3/4 | 7-5/8 | 1-1/2 | 3-1/2 | 15-1/8 | 1/2 | 1/2 |
| SX125-150-T12-AA | SX125-150-T12-90-AA | 1-1/2 | 1-1/4 | 12 | 2-3/4 | 7-5/8 | 1-1/2 | 3-1/2 | 15-1/8 | 1/2 | 1/2 |
| SX150-75-T12-AA | SX150-75-T12-90-AA | 3/4 | 1-1/2 | 12 | 2-3/4 | 6-5/8 | 1-1/2 | 3 | 14-1/8 | 1/2 | 1/2 |
| SX150-100-T12-AA | SX150-100-T12-90-AA | 1 | 1-1/2 | 12 | 2-3/4 | 6-3/4 | 1-1/2 | 3-1/2 | 14-1/4 | 1/2 | 1/2 |
| SX150-125-T12-AA | SX150-125-T12-90-AA | 1-1/4 | 1-1/2 | 12 | 2-3/4 | 7-5/8 | 1-1/2 | 3-1/2 | 15-1/8 | 1/2 | 1/2 |
| SX150-150-T12-AA | SX150-150-T12-90-AA | 1-1/2 | 1-1/2 | 12 | 2-3/4 | 7-5/8 | 1-1/2 | 3-1/2 | 15-1/8 | 1/2 | 1/2 |
| SX150-200-T12-AA | SX150-200-T12-90-AA | 2 | 1-1/2 | 12 | 2-3/4 | 8-1/4 | 2-1/2 | 4-1/2 | 16-3/4 | 1/2 | 1/2 |
| SX150-450-T12-AA | SX150-450-T12-90-AA | 4-1/2 | 1-1/2 | 12 | 2-3/4 | 11-3/4 | 3-3/4 | 3-5/8 | 22 | 1/2 | 5/8 |
| SX175-75-T12-AA | SX175-75-T12-90-AA | 3/4 | 1-3/4 | 12 | 2-3/4 | 6-5/8 | 1-1/2 | 3 | 14-1/8 | 1/2 | 1/2 |
| SX175-100-T12-AA | SX175-100-T12-90-AA | 1 | 1-3/4 | 12 | 2-3/4 | 6-3/4 | 1-1/2 | 3-1/2 | 14-1/4 | 1/2 | 1/2 |
| SX175-125-T12-AA | SX175-125-T12-90-AA | 1-1/4 | 1-3/4 | 12 | 2-3/4 | 7-5/8 | 1-1/2 | 3-1/2 | 15-1/8 | 1/2 | 1/2 |
| SX175-150-T12-AA | SX175-150-T12-90-AA | 1-1/2 | 1-3/4 | 12 | 2-3/4 | 7-5/8 | 1-1/2 | 3-1/2 | 15-1/8 | 1/2 | 1/2 |
| SX175-200-T12-AA | SX175-200-T12-90-AA | 2 | 1-3/4 | 12 | 2-3/4 | 8-1/4 | 2-1/2 | 4-1/2 | 16-3/4 | 1/2 | 1/2 |
| SX200-100-T12-AA | SX200-100-T12-90-AA | 1 | 2 | 12 | 2-3/4 | 6-3/4 | 1-1/2 | 3-1/2 | 14-1/4 | 1/2 | 1/2 |
| SX200-125-T12-AA | SX200-125-T12-90-AA | 1-1/4 | 2 | 12 | 2-3/4 | 7-5/8 | 1-1/2 | 3-1/2 | 15-1/8 | 1/2 | 1/2 |
| SX200-150-T12-AA | SX200-150-T12-90-AA | 1-1/2 | 2 | 12 | 2-3/4 | 7-5/8 | 1-1/2 | 3-1/2 | 15-1/8 | 1/2 | 1/2 |
| SX200-200-T12-AA | SX200-200-T12-90-AA | 2 | 2 | 12 | 2-3/4 | 8-1/4 | 2-1/2 | 4-1/2 | 16-3/4 | 1/2 | 1/2 |
| SX200-250-T12-AA | SX200-250-T12-90-AA | 2-1/2 | 2 | 12 | 2-3/4 | 8-3/4 | 2-1/2 | 4-1/2 | 17-1/4 | 1/2 | 1/2 |
| SX200-250E-T12-AA | SX200-250E-T12-90-AA | 2-1/2 | 2 | 12 | 2-3/4 | 8-3/4 | 2-1/2 | 4-1/2 | 17-1/4 | 1/2 | 1/2 |
| SX200-300-T12-AA | SX200-300-T12-90-AA | 3 | 2 | 12 | 2 3/4 | 6 9/16 | 5 | 4 1/2 | 18 7/16 | 1/2 | 5/8 |
| SX225-350E-T12-AA | SX225-350E-T12-90-AA | 3-1/2 | 2-1/4 | 12 | 2-3/4 | 9-1/4 | 2-1/2 | 4-1/2 | 15-1/2 | 1/2 | 5/8 |
| SX250-250E-T12-AA | SX250-250E-T12-90-AA | 2-1/2 | 2-1/2 | 12 | 2-3/4 | 9-1/4 | 2-1/2 | 4-1/2 | 15-1/2 | 1/2 | 5/8 |
| SX300-200-T12-AA | SX300-200-T12-90-AA | 2 | 3 | 12 | 3-1/4 | 8-1/4 | 2-1/2 | 4-1/2 | 17-1/4 | 5/8 | 1/2 |
| SX300-250-T12-AA | SX300-250-T12-90-AA | 2-1/2 | 3 | 12 | 3-1/4 | 8-3/4 | 2-1/2 | 4-1/2 | 17-3/4 | 5/8 | 1/2 |
| SX300-300-T12-AA | SX300-300-T12-90-AA | 3 | 3 | 12 | 3-1/4 | 10 | 2-1/2 | 4-1/2 | 19 | 5/8 | 5/8 |
| SX300-350-T12-AA | SX300-350-T12-90-AA | 3-1/2 | 3 | 12 | 3-1/4 | 11 | 2-1/2 | 4-1/2 | 20 | 5/8 | 5/8 |
| SX300-400-T12-AA | SX300-400-T12-90-AA | 4 | 3 | 12 | 3-1/4 | 11-1/2 | 2-1/2 | 4-1/2 | 20-1/2 | 5/8 | 5/8 |

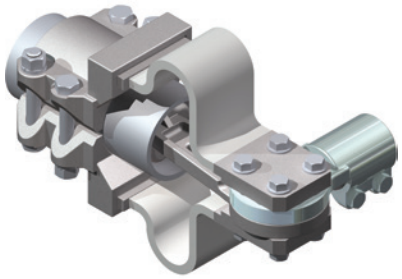
© 2011, AFL, all rights reserved. PP-3-00466, Revision 4, 10.28.2024
Specifications are subject to change without notice.

# 230 kV Aluminum Bolted Stud Connectors

## DOSSERT®

## TYPE SXLW-SI-AA

### Aluminum To Bronze Angular Expansion Connector



Expansion connector is designed for expansion and contraction in long bus runs. Stud connector can be adjusted to suit customers requirements. Laminated straps provide for 1.4" of expansion or contraction for pipe sizes 3/4" through 1 1/2" NPS. For pipe sizes 2" through 4", the straps allow for expansion or contraction of 2.6."

### Material

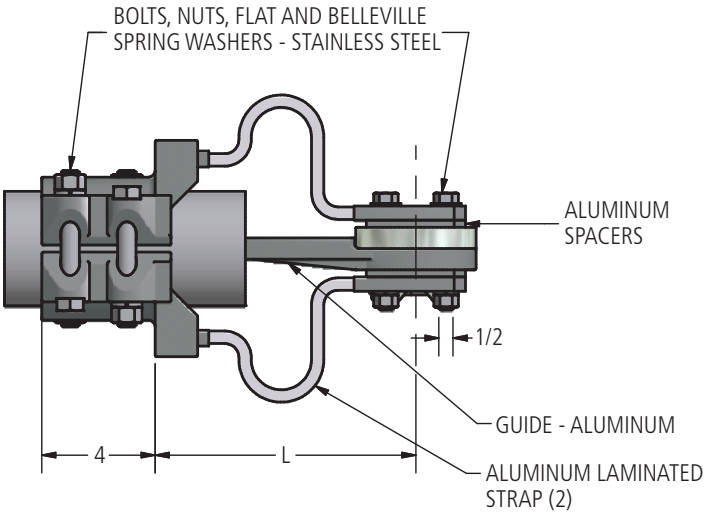
Aluminum Alloy, Copper Alloy

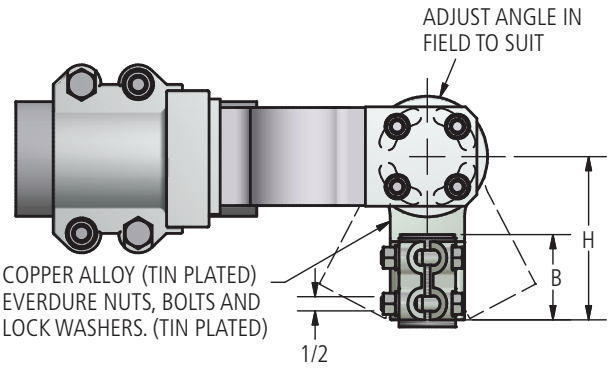
### Hardware

Stainless steel nuts, bolts and lockwashers.

### Notes

1. For a custom thread count change the number after the "T" in the catalog number.
   Ex:WSXL200C-350-SI-T0-AA
   Additional sizes are available.




## Ordering Information

| CATALOG NUMBER | STUD DIAMETER | THREADS PER INCH | SPS | | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|---|---|---|
| | | | | | B | H | L |
| SXLW200C-350-SI-T12-AA | 2 | 12 | 2 | SCH 40 | 2 3/4 | 5 3/4 | 7 3/4 |
| SXLW200C-400E-SI-T12-AA | 2 | 12 | 4 | SCH 80 | 2 3/4 | 5 3/4 | 9 5/16 |
| SXLW300C-400E-SI-T12-AA | 3 | 12 | 4 | SCH 80 | 3 | 6 5/8 | 9 5/16 |



© 2011, AFL, all rights reserved. PP-3-00467, Revision 0, 1.12.11
Specifications are subject to change without notice.

# 230 kV Aluminum Bolted Tee & Vee Connectors



## DOSSERT®

## TYPE BAP-AA

### Tee Connector



Tee connector is designed to make a tee connection in bus construction. Connector can be used on Schedule 40 and Schedule 80 pipe. Four clamp bolts on each conductor ensures positive electrical contact.

### Material

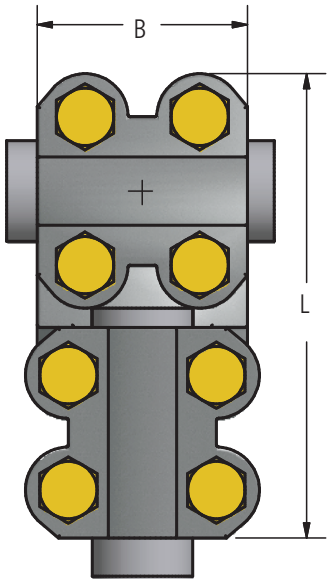
Aluminum Alloy

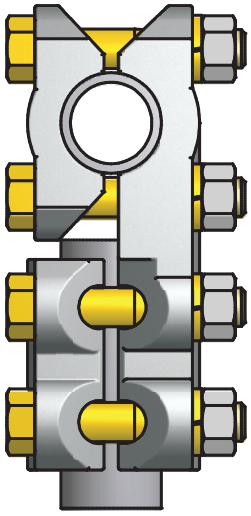
### Hardware

Yellow anodized aluminum bolts, nuts, and lockwashers.

### Notes

Contact surfaces can be precoated by adding suffix -LP.



## Ordering Information

| CATALOG NUMBER | SPS | | DIMENSIONS IN INCHES | | BOLT SIZE |
|---|---|---|---|---|---|
| | MAIN | TAP | B | L | |
| BAP75-75-AA | 3/4 | 3/4 | 2 3/4 | 5 13/16 | 1/2 |
| BAP100-50-AA | 1 | 1/2 | 2 3/4 | 6 1/16 | 1/2 |
| BAP100-75-AA | 1 | 3/4 | 2 3/4 | 6 1/16 | 1/2 |
| BAP100-100-AA | 1 | 1 | 2 3/4 | 6 1/16 | 1/2 |
| BAP100-150-AA | 1 | 1 1/2 | 2 3/4 | 6 5/16 | 1/2 |
| BAP100-200-AA | 1 | 2 | 2 3/4 | 6 9/16 | 1/2 |
| BAP100-250-AA | 1 | 2 1/2 | 2 3/4 | 6 9/16 | 1/2 |
| BAP125-75-AA | 1 1/4 | 3/4 | 3 | 6 13/32 | 1/2 |
| BAP125-100-AA | 1 1/4 | 1 | 3 | 6 13/32 | 1/2 |
| BAP125-125-AA | 1 1/4 | 1 1/4 | 3 | 6 21/32 | 1/2 |
| BAP150-75-AA | 1 1/2 | 3/4 | 3 | 6 21/32 | 1/2 |
| BAP150-100-AA | 1 1/2 | 1 | 3 | 6 21/32 | 1/2 |
| BAP150-125-AA | 1 1/2 | 1 1/4 | 3 | 6 29/32 | 1/2 |
| BAP150-150-AA | 1 1/2 | 1 1/2 | 3 | 6 29/32 | 1/2 |



© 2011, AFL, all rights reserved. PP-3-00239, Revision 1, 8.21.17
Specifications are subject to change without notice.

# DOSSERT®

## TYPE BAP-AA

**Tee Connector**

## Ordering Information

| CATALOG NUMBER | SPS | | DIMENSIONS IN INCHES | | BOLT SIZE |
|---|---|---|---|---|---|
| | MAIN | TAP | B | L | |
| BAP150-200-AA | 1 1/2 | 2 | 3 | 7 5/32 | 1/2 |
| BAP150-250-AA | 1 1/2 | 2 1/2 | 3 | 7 5/32 | 1/2 |
| BAP150-300-AA | 1 1/2 | 3 | 3 | 7 3/8 | 1/2 |
| BAP200-75-AA | 2 | 3/4 | 3 1/4 | 7 1/8 | 1/2 |
| BAP200-100-AA | 2 | 1 | 3 1/4 | 7 1/8 | 1/2 |
| BAP200-125-AA | 2 | 1 1/4 | 3 1/4 | 7 3/8 | 1/2 |
| BAP200-150-AA | 2 | 1 1/2 | 3 1/4 | 7 3/8 | 1/2 |
| BAP200-200-AA | 2 | 2 | 3 1/4 | 7 5/8 | 1/2 |
| BAP200-250-AA | 2 | 2 1/2 | 3 1/4 | 7 5/8 | 1/2 |
| BAP200-300-AA | 2 | 3 | 3 1/4 | 7 7/8 | 1/2 |
| BAP200-350-AA | 2 | 3 1/2 | 3 1/4 | 8 1/4 | 1/2 and 5/8 |
| BAP200-62R-S-AA | 2 | 5/8R | 3 1/4 | 6 1/2 | 1/2 |
| BAP250-75-AA | 2 1/2 | 3/4 | 3 1/4 | 7 5/8 | 1/2 |
| BAP250-100-AA | 2 1/2 | 1 | 3 1/4 | 7 5/8 | 1/2 |
| BAP250-125-AA | 2 1/2 | 1 1/4 | 3 1/4 | 7 7/8 | 1/2 |
| BAP250-150-AA | 2 1/2 | 1 1/2 | 3 1/4 | 7 7/8 | 1/2 |
| BAP250-200-AA | 2 1/2 | 2 | 3 1/4 | 8 1/8 | 1/2 |
| BAP250-250-AA | 2 1/2 | 2 1/2 | 3 1/4 | 8 1/8 | 1/2 |
| BAP250-300-AA | 2 1/2 | 3 | 3 1/4 | 8 3/8 | 1/2 |
| BAP250-350-AA | 2 1/2 | 3 1/2 | 3 1/4 | 8 1/4 | 1/2 |
| BAP300-75-AA | 3 | 3/4 | 3 | 8 1/4 | 1/2 |
| BAP300-100-AA | 3 | 1 | 3 | 8 1/2 | 1/2 |
| BAP300-125-AA | 3 | 1 1/4 | 3 | 8 1/2 | 1/2 |
| BAP300-150-AA | 3 | 1 1/2 | 3 1/2 | 8 3/4 | 1/2 |
| BAP300-200-AA | 3 | 2 | 3 1/2 | 8 3/4 | 1/2 |
| BAP300-250-AA | 3 | 2 1/2 | 3 1/2 | 8 3/4 | 1/2 |
| BAP300-300-AA | 3 | 3 | 3 3/4 | 8 3/4 | 5/8 |
| BAP350-100-AA | 3 1/2 | 1 | 3 1/2 | 8 3/4 | 1/2 |
| BAP350-125-AA | 3 1/2 | 1 1/4 | 3 1/2 | 9 | 1/2 |
| BAP350-150-AA | 3 1/2 | 1 1/2 | 3 1/2 | 9 | 1/2 |
| BAP350-200-AA | 3 1/2 | 2 | 3 1/2 | 9 1/4 | 1/2 |
| BAP350-250-AA | 3 1/2 | 2 1/2 | 3 1/2 | 9 1/4 | 5/8 and 1/2 |
| BAP350-300-AA | 3 1/2 | 3 | 3 3/4 | 10 | 5/8 |
| BAP350-350-AA | 3 1/2 | 3 1/2 | 3 3/4 | 10 | 5/8 |
| BAP400-100-AA | 4 | 1 | 3 1/4 | 9 1/4 | 1/2 |
| BAP400-125-AA | 4 | 1 1/4 | 3 1/4 | 9 1/2 | 1/2 |
| BAP400-150-AA | 4 | 1 1/2 | 3 1/4 | 9 1/2 | 1/2 |
| BAP400-200-AA | 4 | 2 | 3 1/4 | 9 3/4 | 1/2 |
| BAP400-250-AA | 4 | 2 1/2 | 3 1/4 | 9 3/4 | 1/2 |
| BAP400-300-AA | 4 | 3 | 3 3/4 | 10 1/2 | 5/8 |
| BAP400-350-AA | 4 | 3 1/2 | 3 3/4 | 10 1/2 | 5/8 |
| BAP400-400-AA | 4 | 4 | 3 3/4 | 10 5/8 | 5/8 |
| BAP500-150-AA | 5 | 1 1/2 | 3 3/4 | 10 15/16 | 5/8 and 1/2 |
| BAP500-250-AA | 5 | 2 1/2 | 3 3/4 | 10 15/32 | 1/2 |
| BAP500-300-AA | 5 | 3 | 3 3/4 | 11 3/4 | 5/8 |
| BAP500-500-AA | 5 | 5 | 7 | 15 | 5/8 |
| BAP600-300-AA | 6 | 3 | 3 3/4 | 12 3/4 | 5/8 |
| BAP600-600-AA | 6 | 6 | 8 | 17 | 5/8 |
| BAP125-118R-AA | 1 1/4 | 30MM | 3 | 6 13/32 | 1/2 |
| BAP-500-393R-AA | 5 | 100MM | 3 3/4 | 11 3/4 | 5/8 |

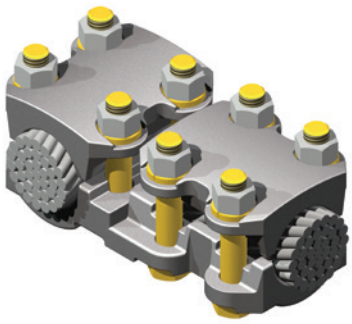


© 2011, AFL, all rights reserved. PP-3-00239, Revision 1, 8.21.17
Specifications are subject to change without notice.

# DOSSERT®

## TYPE BCV-AA

### Cable to Cable Tee



Tee connectors are designed for use with stranded aluminum or ACSR conductors. Tees are designed with universal grooves to accept a wide range of conductor sizes. Four clamp bolts on each conductor insures a positive electrical contact.

### Material

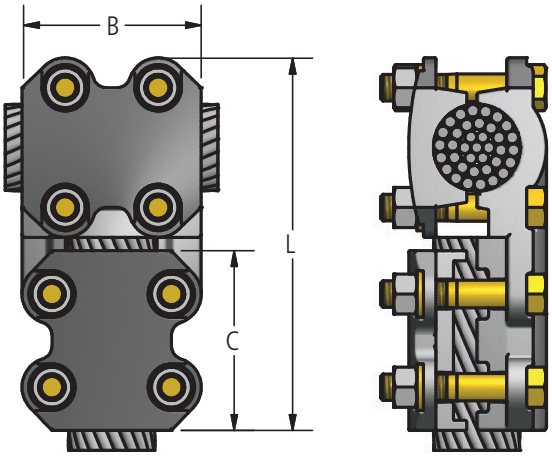
Aluminum Alloy

### Hardware

Yellow anodized aluminum nuts, bolts and lockwashers.

### Notes

- For Stainless Steel bolts, lockwashers and Everdur nuts, add "-SSHBN" to catalog number. EX: BCV25-25-AA-SSHBN
- For Grade Five Galvanized Steel Hardware, add "-GS5" to catalog number. EX: BCV25-25-AA-GS5
- For Electro Tin Plate, add "-SN" to catalog number. EX: BCV25-25-AA-SN




## Ordering Information

| CATALOG NUMBER | AAC RUN | | ACSR RUN | | AAC TAP | | ACSR TAP | | DIMENSIONS IN INCHES | | | BOLT SIZE | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | B | C | L | RUN | TAP |
| BCV10-10-AA | 4 | 1/0 | 4 | 1/0 | 4 | 1/0 | 4 | 1/0 | 1-7/8 | 1-7/8 | 4-3/8 | 1/2 | 1/2 |
| BCV25-25-AA | 1/0 | 250 | 1/0 | 4/0 | 1/0 | 250 | 1/0 | 4/0 | 3 | 3 | 5-5/8 | 1/2 | 1/2 |
| BCV40-25-AA | 250 | 400 | 4/0 | 397.4 | 1/0 | 250 | 1/0 | 4/0 | 3 | 3 | 5-3/4 | 1/2 | 1/2 |
| BCV40-40-AA | 250 | 400 | 4/0 | 397.4 | 250 | 400 | 4/0 | 397.5 | 3 | 3 | 5-3/4 | 1/2 | 1/2 |
| BCV40-60-AA | 250 | 400 | 4/0 | 397.4 | 350 | 600 | 336.4 | 477 | 3 | 3 | 5-3/4 | 1/2 | 1/2 |
| BCV40-90-AA | 250 | 400 | 4/0 | 397.4 | 500 | 900 | 477 | 795 | 3 | 3 | 5-3/4 | 1/2 | 1/2 |
| BCV60-25-AA | 350 | 600 | 336.4 | 477 | 1/0 | 250 | 1/0 | 4/0 | 3 | 3 | 5-15/16 | 1/2 | 1/2 |
| BCV60-40-AA | 350 | 600 | 336.4 | 477 | 250 | 400 | 4/0 | 397.5 | 3 | 3 | 5-15/16 | 1/2 | 1/2 |
| BCV60-60-AA | 350 | 600 | 336.4 | 477 | 350 | 600 | 336.4 | 477 | 3 | 3 | 5-15/16 | 1/2 | 1/2 |
| BCV60-90-AA | 350 | 600 | 336.4 | 477 | 500 | 900 | 477 | 795 | 3 | 3 | 5-15/16 | 1/2 | 1/2 |
| BCV90-25-AA | 500 | 900 | 477 | 795 | 1/0 | 250 | 1/0 | 4/0 | 3 | 3 | 6-1/8 | 1/2 | 1/2 |
| BCV90-30-AA | 500 | 900 | 477 | 795 | 1/0 | 300 | 1/0 | 266.8 | 3 | 3 | 6-1/8 | 1/2 | 1/2 |
| BCV90-40-AA | 500 | 900 | 477 | 795 | 250 | 400 | 4/0 | 397.5 | 3 | 3 | 6-1/8 | 1/2 | 1/2 |
| BCV90-60-AA | 500 | 900 | 477 | 795 | 350 | 600 | 336 | 477 | 3 | 3 | 6-1/8 | 1/2 | 1/2 |



© 2011, AFL, all rights reserved. PP-3-00243, Revision 3, 10.9.19
Specifications are subject to change without notice.

# DOSSERT®

## TYPE BCV-AA

### Cable to Cable Tee

## Ordering Information

| CATALOG NUMBER | AAC RUN | | ACSR RUN | | AAC TAP | | ACSR TAP | | DIMENSIONS IN INCHES | | | BOLT SIZE | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | B | C | L | RUN | TAP |
| BCV90-90-AA | 500 | 900 | 477 | 795 | 500 | 900 | 477 | 795 | 3 | 3 | 6-1/8 | 1/2 | 1/2 |
| BCV90-125-AA | 500 | 900 | 477 | 795 | 900 | 1250 | 715 | 1113 | 3 | 3-1/4 | 6-3/8 | 1/2 | 1/2 |
| BCV125-25-AA | 900 | 1250 | 715 | 1113 | 1/0 | 250 | 1/0 | 4/0 | 3-1/4 | 3 | 6-5/16 | 1/2 | 1/2 |
| BCV125-40-AA | 900 | 1250 | 715 | 1113 | 250 | 400 | 4/0 | 397.5 | 3-1/4 | 3 | 6-5/16 | 1/2 | 1/2 |
| BCV125-60-AA | 900 | 1250 | 715 | 1113 | 350 | 600 | 336.4 | 477 | 3-1/4 | 3 | 6-5/16 | 1/2 | 1/2 |
| BCV125-90-AA | 900 | 1250 | 715 | 1113 | 500 | 900 | 477 | 795 | 3-1/4 | 3 | 6-5/16 | 1/2 | 1/2 |
| BCV125-125-AA | 900 | 1250 | 715 | 1113 | 900 | 1250 | 715 | 1113 | 3-1/4 | 3-1/4 | 6-9/16 | 1/2 | 1/2 |
| BCV125-160-AA | 900 | 1250 | 715 | 1113 | 1250 | 1600 | 1113 | 1431 | 4-3/8 | 4-3/8 | 7-11/16 | 1/2 | 5/8 |
| BCV160-25-AA | 1250 | 1600 | 1113 | 1431 | 1/0 | 250 | 1/0 | 4/0 | 4-3/8 | 3 | 6-7/8 | 5/8 | 1/2 |
| BCV160-40-AA | 1250 | 1600 | 1113 | 1431 | 250 | 400 | 4/0 | 397.5 | 4-3/8 | 3 | 6-7/8 | 5/8 | 1/2 |
| BCV160-60-AA | 1250 | 1600 | 1113 | 1431 | 350 | 600 | 336.4 | 477 | 4-3/8 | 3 | 6-7/8 | 5/8 | 1/2 |
| BCV160-60S-AA | 1250 | 1600 | 1113 | 1431 | 4/0 | 600 | 3/0 | 477 | 4-3/8 | 3 | 6-7/8 | 5/8 | 1/2 |
| BCV160-90-AA | 1250 | 1600 | 1113 | 1431 | 500 | 900 | 477 | 795 | 4-3/8 | 3 | 6-7/8 | 5/8 | 1/2 |
| BCV160-125-AA | 1250 | 1600 | 1113 | 1431 | 900 | 1250 | 715 | 1113 | 4-3/8 | 3-1/4 | 7-1/8 | 5/8 | 1/2 |
| BCV160-160-AA | 1250 | 1600 | 1113 | 1431 | 1250 | 1600 | 1113 | 1431 | 4-3/8 | 4-3/8 | 8-1/4 | 5/8 | 5/8 |
| BCV160-200-AA | 1250 | 1600 | 1113 | 1431 | 1500 | 2000 | 1272 | 1780 | 4-3/8 | 4-1/2 | 8-3/8 | 5/8 | 5/8 |
| BCV200-25-AA | 1500 | 2000 | 1272 | 1780 | 1/0 | 250 | 1/0 | 4/0 | 4-1/2 | 3 | 7-1/8 | 5/8 | 1/2 |
| BCV200-40-AA | 1500 | 2000 | 1272 | 1780 | 250 | 400 | 4/0 | 397.5 | 4-1/2 | 3 | 7-1/8 | 5/8 | 1/2 |
| BCV200-60-AA | 1500 | 2000 | 1272 | 1780 | 350 | 600 | 336.4 | 477 | 4-1/2 | 3 | 7-1/8 | 5/8 | 1/2 |
| BCV200-90-AA | 1500 | 2000 | 1272 | 1780 | 500 | 900 | 477 | 795 | 4-1/2 | 3 | 7-1/8 | 5/8 | 1/2 |
| BCV200-125-AA | 1500 | 2000 | 1272 | 1780 | 900 | 1250 | 715 | 1113 | 4-1/2 | 3-1/4 | 7-3/8 | 5/8 | 1/2 |
| BCV200-160-AA | 1500 | 2000 | 1272 | 1780 | 1250 | 1600 | 1113 | 1431 | 4-1/2 | 4-3/8 | 8-1/2 | 5/8 | 5/8 |
| BCV200-200-AA | 1500 | 2000 | 1272 | 1780 | 1500 | 2000 | 1272 | 1780 | 4-1/2 | 4-1/2 | 8-5/8 | 5/8 | 5/8 |
| BCV200-250-AA | 1500 | 2000 | 1272 | 1780 | 2000 | 2500 | 1780 | 2300 | 4-1/2 | 4-1/2 | 8-5/8 | 5/8 | 5/8 |
| BCV250-25-AA | 2000 | 2500 | 1780 | 2300 | 1/0 | 250 | 1/0 | 4/0 | 4-1/2 | 3 | 7-1/4 | 5/8 | 1/2 |
| BCV250-40-AA | 2000 | 2500 | 1780 | 2300 | 250 | 400 | 4/0 | 397.5 | 4-1/2 | 3 | 7-1/4 | 5/8 | 1/2 |
| BCV250-60-AA | 2000 | 2500 | 1780 | 2300 | 350 | 600 | 336.4 | 477 | 4-1/2 | 3 | 7-1/4 | 5/8 | 1/2 |
| BCV250-90-AA | 2000 | 2500 | 1780 | 2300 | 500 | 900 | 477 | 795 | 4-1/2 | 3 | 7-1/4 | 5/8 | 1/2 |
| BCV250-125-AA | 2000 | 2500 | 1780 | 2300 | 900 | 1250 | 715 | 1113 | 4-1/2 | 3-1/4 | 7-1/2 | 5/8 | 1/2 |
| BCV250-160-AA | 2000 | 2500 | 1780 | 2300 | 1250 | 1600 | 1113 | 1431 | 4-1/2 | 4-3/8 | 8-5/8 | 5/8 | 5/8 |
| BCV250-200-AA | 2000 | 2500 | 1780 | 2300 | 1500 | 2000 | 1272 | 1780 | 4-1/2 | 4-1/2 | 8-3/4 | 5/8 | 5/8 |
| BCV250-250-AA | 2000 | 2500 | 1780 | 2300 | 2000 | 2500 | 1780 | 2300 | 4-1/2 | 4-1/2 | 8-3/4 | 5/8 | 5/8 |
| BCV250-300-AA | 2000 | 2500 | 1780 | 2300 | 2500 | 3000 | 1780 | 2870 | 4-1/2 | 4-1/2 | 8-3/4 | 5/8 | 5/8 |
| BCV250-350-AA | 2000 | 2500 | 1780 | 2300 | 3000 | 3500 | - | - | 4 1/2 | 4 1/2 | 8 3/4 | 5/8 | 5/8 |
| BCV300-25-AA | 2500 | 3000 | 2312 | 2870 | 1/0 | 250 | 1/0 | 4/0 | 4-1/2 | 3 | 7-3/8 | 5/8 | 1/2 |
| BCV300-40-AA | 2500 | 3000 | 2312 | 2870 | 250 | 400 | 4/0 | 397.5 | 4-1/2 | 3 | 7-3/8 | 5/8 | 1/2 |
| BCV300-60-AA | 2500 | 3000 | 2312 | 2870 | 350 | 600 | 366.4 | 477 | 4-1/2 | 3 | 7-3/8 | 5/8 | 1/2 |
| BCV300-90-AA | 2500 | 3000 | 2312 | 2870 | 500 | 900 | 477 | 795 | 4-1/2 | 3 | 7-3/8 | 5/8 | 1/2 |
| BCV300-125-AA | 2500 | 3000 | 2312 | 2870 | 900 | 1250 | 715 | 1113 | 4-1/2 | 3-1/4 | 7-3/8 | 5/8 | 1/2 |
| BCV300-160-AA | 2500 | 3000 | 2312 | 2870 | 1250 | 1600 | 1113 | 1431 | 4-1/2 | 4-3/8 | 9 | 5/8 | 5/8 |
| BCV300-200-AA | 2500 | 3000 | 2312 | 2870 | 1500 | 2000 | 1272 | 1780 | 4-1/2 | 4-1/2 | 9-1/8 | 5/8 | 5/8 |
| BCV300-250-AA | 2500 | 3000 | 2312 | 2870 | 2000 | 2500 | 1780 | 2300 | 4-1/2 | 4-1/2 | 8-13/16 | 5/8 | 5/8 |
| BCV300-300-AA | 2500 | 3000 | 2312 | 2870 | 2500 | 3000 | 2312 | 2870 | 4-1/2 | 4-1/2 | 8-13/16 | 5/8 | 5/8 |
| BCV350-40-AA | 3000 | 3500 | - | - | 250 | 400 | 4/0 | 397.4 | 4 1/2 | 3 | 8 13/16 | 5/8 | 1/2 |
| BCV350-125-AA | 3000 | 3500 | - | - | 250 | 400 | 4/0 | 397.4 | 4 1/2 | 3 1/4 | 8 13/16 | 5/8 | 1/2 |
| BCV350-200-AA | 3000 | 3500 | - | - | 1500 | 2000 | 1780 | 2300 | 4 1/2 | 4 1/2 | 8 13/16 | 5/8 | 5/8 |
| BCV350-350-AA | 3000 | 3500 | - | - | 3000 | 2500 | - | - | 4 1/2 | 4 1/2 | 8 13/16 | 5/8 | 5/8 |

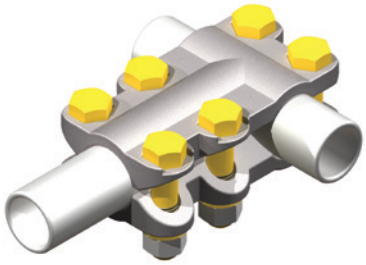


© 2011, AFL, all rights reserved. PP-3-00243, Revision 3, 10.9.19
Specifications are subject to change without notice.

# DOSSERT®

## TYPE BP-AA, BPA-75-AA, BPA-80-AA

### Standard, 75 Degree and 80 Degree Tee Connector



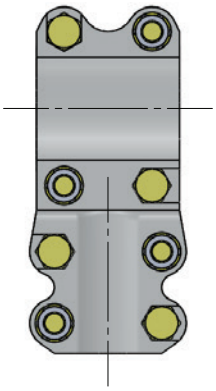
An aluminum tee connector designed for maximum efficiency and reliability. Connector can be used with Schedule 40 and Schedule 80 pipe.

### Material

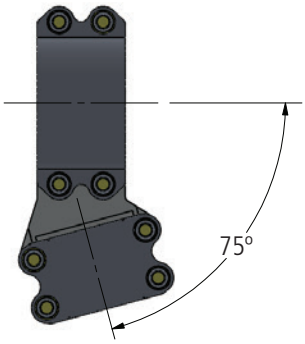
Aluminum Alloy

### Hardware

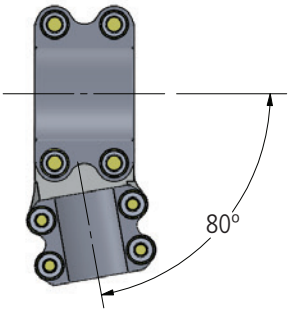
Yellow anodized aluminum bolts, nuts, and lockwashers.



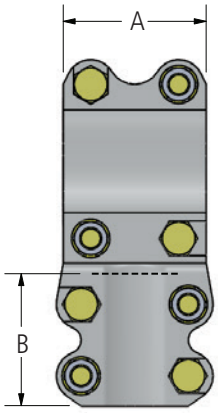
BP-AA



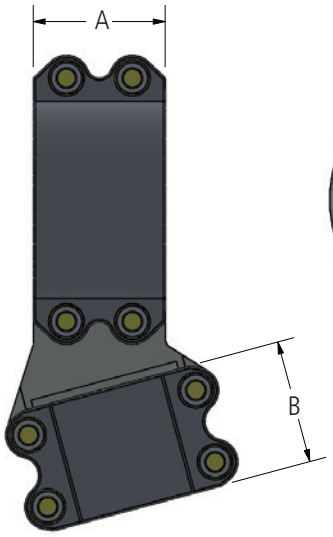

BPA-75-AA



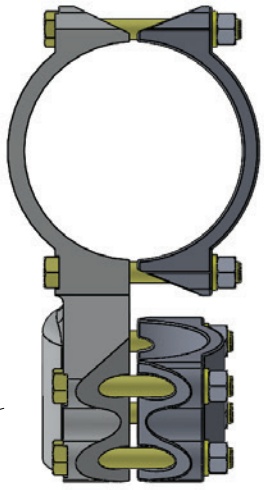

BPA-80-AA




BP-AA




BPA-AA





© 2011, AFL, all rights reserved. PP-3-00252, Revision 3, 12.18.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE BP-AA, BPA-75-AA, BPA-80-AA

**Standard, 75 Degree, and 80 Degree Tee Connector**

### Ordering Information

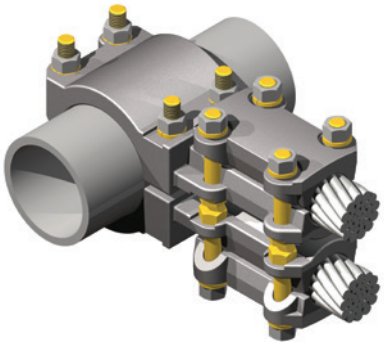
| CATALOG NUMBER | | | SPS | | DIMENSIONS IN INCHES | | BOLT SIZE |
|---|---|---|---|---|---|---|---|
| STANDARD | 75 DEGREES | 80 DEGREES | RUN | TAP | A | B | |
| BP100-75-AA | BPA100-75-75-AA | BPA100-75-80-AA | 1 | 3/4 | 2-3/4 | 2-3/4 | 1/2 |
| BP100-100-AA | BPA100-100-75-AA | BPA100-100-80-AA | 1 | 1 | 2-3/4 | 2-3/4 | 1/2 |
| BP125-75-AA | BPA125-75-75-AA | BPA125-75-80-AA | 1-1/4 | 3/4 | 3 | 2-3/4 | 1/2 |
| BP125-100-AA | BPA125-100-75-AA | BPA125-100-80-AA | 1-1/4 | 1 | 3 | 2-3/4 | 1/2 |
| BP125-125-AA | BPA125-125-75-AA | BPA125-125-80-AA | 1-1/4 | 1-1/4 | 3 | 3 | 1/2 |
| BP150-100-AA | BPA150-100-75-AA | BPA150-100-80-AA | 1-1/2 | 1 | 3 | 2-3/4 | 1/2 |
| BP150-125-AA | BPA150-125-75-AA | BPA150-125-80-AA | 1-1/2 | 1-1/4 | 3 | 3 | 1/2 |
| BP150-150-AA | BPA150-150-75-AA | BPA150-150-80-AA | 1-1/2 | 1-1/2 | 3 | 3 | 1/2 |
| BP200-100-AA | BPA200-100-75-AA | BPA200-100-80-AA | 2 | 1 | 3-1/4 | 2-3/4 | 1/2 |
| BP200-125-AA | BPA200-125-75-AA | BPA200-125-80-AA | 2 | 1-1/4 | 3-1/4 | 3 | 1/2 |
| BP200-150-AA | BPA200-150-75-AA | BPA200-150-80-AA | 2 | 1-1/2 | 3-1/4 | 3 | 1/2 |
| BP200-200-AA | BPA200-200-75-AA | BPA200-200-80-AA | 2 | 2 | 3-1/4 | 3-1/4 | 1/2 |
| BP200-250-AA | BPA200-250-75-AA | BPA200-250-80-AA | 2 | 2-1/2 | 3-1/4 | 3-1/4 | 1/2 |
| BP250-75-AA | BPA250-75-75-AA | BPA250-75-80-AA | 2-1/2 | 3/4 | 3-1/4 | 2-3/4 | 1/2 |
| BP250-100-AA | BPA250-100-75-AA | BPA250-100-80-AA | 2-1/2 | 1 | 3-1/4 | 2-3/4 | 1/2 |
| BP250-125-AA | BPA250-125-75-AA | BPA250-125-80-AA | 2-1/2 | 1-1/4 | 3-1/4 | 3 | 1/2 |
| BP250-150-AA | BPA250-150-75-AA | BPA250-150-80-AA | 2-1/2 | 1-1/2 | 3-1/4 | 3 | 1/2 |
| BP250-200-AA | BPA250-200-75-AA | BPA250-200-80-AA | 2-1/2 | 2 | 3-1/4 | 3-1/4 | 1/2 |
| BP250-250-AA | BPA250-250-75-AA | BPA250-250-80-AA | 2-1/2 | 2-1/2 | 3-1/4 | 3-1/4 | 1/2 |
| BP300-100-AA | BPA300-100-75-AA | BPA300-100-80-AA | 3 | 1 | 3-1/4 | 2-3/4 | 1/2 |
| BP300-125-AA | BPA300-125-75-AA | BPA300-125-80-AA | 3 | 1-1/4 | 3-1/4 | 3 | 1/2 |
| BP300-150-AA | BPA300-150-75-AA | BPA300-150-80-AA | 3 | 1-1/2 | 3-1/4 | 3 | 1/2 |
| BP300-200-AA | BPA300-200-75-AA | BPA300-200-80-AA | 3 | 2 | 3-1/4 | 3-1/4 | 1/2 |
| BP300-250-AA | BPA300-250-75-AA | BPA300-250-80-AA | 3 | 2-1/2 | 3-1/4 | 3-1/4 | 1/2 |
| BP300-300-AA | BPA300-300-75-AA | BPA300-300-80-AA | 3 | 3 | 3-3/4 | 3-3/4 | 5/8 |
| BP350-100-AA | BPA350-100-75-AA | BPA350-100-80-AA | 3-1/2 | 1 | 3-1/4 | 2-3/4 | 1/2 |
| BP350-125-AA | BPA350-125-75-AA | BPA350-125-80-AA | 3-1/2 | 1-1/4 | 3-1/4 | 3 | 1/2 |
| BP350-150-AA | BPA350-150-75-AA | BPA350-150-80-AA | 3-1/2 | 1-1/2 | 3-1/4 | 3 | 1/2 |
| BP350-200-AA | BPA350-200-75-AA | BPA350-200-80-AA | 3-1/2 | 2 | 3-1/4 | 3-1/4 | 1/2 |
| BP350-250-AA | BPA350-250-75-AA | BPA350-250-80-AA | 3-1/2 | 2-1/2 | 3-1/4 | 3-1/4 | 1/2 |
| BP350-300-AA | BPA350-300-75-AA | BPA350-300-80-AA | 3-1/2 | 3 | 3-3/4 | 3-3/4 | 5/8 |
| BP350-350-AA | BPA350-350-75-AA | BPA350-350-80-AA | 3-1/2 | 3-1/2 | 3-3/4 | 3-3/4 | 5/8 |
| BP400-125-AA | BPA400-125-75-AA | BPA400-125-80-AA | 4 | 1-1/4 | 3-1/4 | 3 | 1/2 |
| BP400-150-AA | BPA400-150-75-AA | BPA400-150-80-AA | 4 | 1-1/2 | 3-1/4 | 3 | 1/2 |
| BP400-200-AA | BPA400-200-75-AA | BPA400-200-80-AA | 4 | 2 | 3-1/4 | 3-1/4 | 1/2 |
| BP400-250-AA | BPA400-250-75-AA | BPA400-250-80-AA | 4 | 2-1/2 | 3-1/4 | 3-1/4 | 1/2 |
| BP400-300-AA | BPA400-300-75-AA | BPA400-300-80-AA | 4 | 3 | 3-3/4 | 3-3/4 | 5/8 |
| BP400-350-AA | BPA400-350-75-AA | BPA400-350-80-AA | 4 | 3-1/2 | 3-3/4 | 3-3/4 | 5/8 |
| BP400-400-AA | BPA400-400-75-AA | BPA400-400-80-AA | 4 | 4 | 3-3/4 | 3-3/4 | 5/8 |
| BP500-150-AA | BPA500-150-75-AA | BPA500-150-80-AA | 5 | 1-1/2 | 3-1/2 | 3 | 1/2 |
| BP500-200-AA | BPA500-200-75-AA | BPA500-200-80-AA | 5 | 2 | 3-1/2 | 3-1/4 | 1/2 |
| BP500-250-AA | BPA500-250-75-AA | BPA500-250-80-AA | 5 | 2-1/2 | 3-1/2 | 3-1/4 | 1/2 |
| BP500-300-AA | BPA500-300-75-AA | BPA500-300-80-AA | 5 | 3 | 3-3/4 | 3-3/4 | 5/8 |
| BP500-350-AA | BPA500-350-75-AA | BPA500-350-80-AA | 5 | 3-1/2 | 4 | 3-3/4 | 5/8 |
| BP500-400-AA | BPA500-400-75-AA | BPA500-400-80-AA | 5 | 4 | 4 | 3-3/4 | 5/8 |
| BP500-500-AA | BPA500-500-75-AA | BPA500-500-80-AA | 5 | 5 | 4 | 4 | 5/8 |
| BP600-250-AA | BPA600-250-75-AA | BPA600-250-80-AA | 6 | 2-1/2 | 3-1/2 | 3-1/4 | 1/2 |
| BP600-300-AA | BPA600-300-75-AA | BPA600-300-80-AA | 6 | 3 | 4 | 3-3/4 | 5/8 |
| BP600-350-AA | BPA600-350-75-AA | BPA600-350-80-AA | 6 | 3-1/2 | 4 | 3-3/4 | 5/8 |
| BP600-400-AA | BPA600-400-75-AA | BPA600-400-80-AA | 6 | 4 | 4 | 3-3/4 | 5/8 |
| BP600-500-AA | BPA600-500-75-AA | BPA600-500-80-AA | 6 | 5 | 4 | 4 | 5/8 |
| BP600-600-AA | BPA600-600-75-AA | BPA600-600-80-AA | 6 | 6 | 4 | 4 | 5/8 |



© 2011, AFL, all rights reserved. PP-3-00252, Revision 3, 12.18.18
Specifications are subject to change without notice.

# TYPE BPCV-AA, BP2CV-AA

## Aluminum Tee Connector For Tubular Bus To A Cable Tap

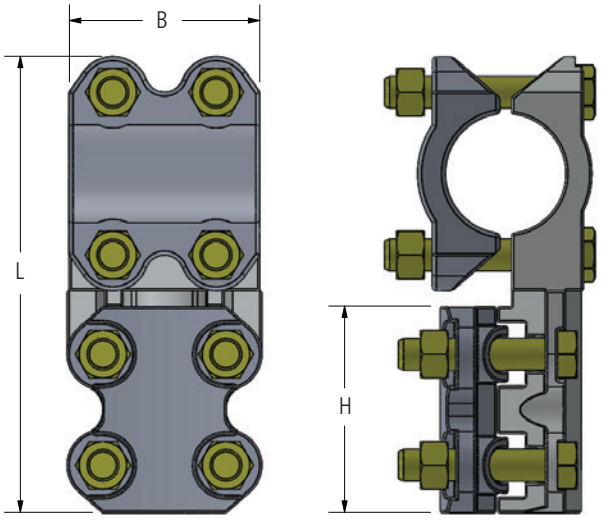


A variable tap pipe to cable tee connector. Cable clamping section is provided with two independently acting aluminum alloy saddles.

### Material
Aluminum Alloy

### Hardware
Yellow anodized aluminum bolts, nuts, and lockwashers.

### Notes
1. For tin plating, add "-SN" to end of catalog number. EX: BP2CV300-125-AA-SN
2. For galvanized steel hardware, add "-GS" to end of catalog number. EX: BP2CV300-125-AA-GS
3. For grade five galvanized steel hardware, add "-GS5" to end of catalog number. EX: BPCV75-125-AA-GS5
4. For two cables in-line, add "-90V" to catalog number. EX: BP2CV400-200-90V-AA




BPCV-AA

FIG. 1

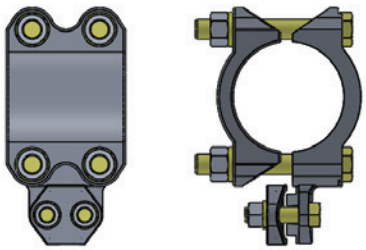
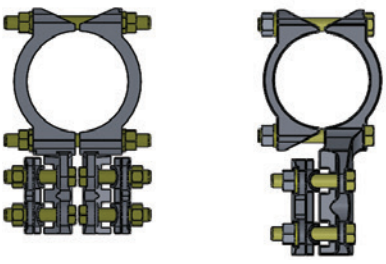


FIG. 2



BP2CV-AA

BP2CV-90V-AA

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

*continued*

© 2011, AFL, all rights reserved. PP-3-00254, Revision 4, 2.24.2026
Specifications are subject to change without notice.

# TYPE BPCV-AA, BP2CV-AA

## Aluminum Tee Connector For Tubular Bus To A Cable Tap

### Ordering Information

| Catalog Number | | FIG. No. | SPS | Cable TAP | | | | Dimensions in Inches | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Aluminum | | ACSR | | | | |
| BPCV | BP2CV | | | MIN | MAX | MIN | MAX | B | L | H |
| BPCV50-25-AA | BP2CV50-25-AA | 1 | 1/2 | #1/0 | 250 MCM | #1/0 | #4/0 | 2.75 | 6.13 | 3.00 |
| BPCV50-50-AA | BP2CV50-50-AA | 1 | 1/2 | 1/0 STR | 250 MCM | #1/0 | #4/0 | 2.75 | 6.13 | 3.00 |
| BPCV75-25-AA | BP2CV75-25-AA | 1 | 3/4 | #1/0 | 250 MCM | #1/0 | #4/0 | 2.75 | 6.13 | 3.00 |
| BPCV75-40-AA | BP2CV75-40-AA | 1 | 3/4 | 250 MCM | 400 MCM | #4/0 | 397.5 | 2.75 | 6.13 | 3.00 |
| BPCV75-60-AA | BP2CV75-60-AA | 1 | 3/4 | 350 MCM | 600 MCM | 336.4 | 477 | 2.75 | 6.13 | 3.00 |
| BPCV75-90-AA | BP2CV75-90-AA | 1 | 3/4 | 500 MCM | 900 MCM | 477 | 795 | 2.75 | 6.13 | 3.00 |
| BPCV75-125-AA | BP2CV75-125-AA | 1 | 3/4 | 900 MCM | 1250 MCM | 715 | 1113 | 2.75 | 6.38 | 3.25 |
| BPCV75-160-AA | BP2CV75-160-AA | 1 | 3/4 | 1250 MCM | 1600 MCM | 1113 | 1431 | 2.75 | 7.50 | 4.38 |
| BPCV75-200-AA | BP2CV75-200-AA | 1 | 3/4 | 1500 MCM | 2000 MCM | 1272 | 1780 | 2.75 | 7.63 | 4.50 |
| BPCV100-25-AA | BP2CV100-25-AA | 1 | 1 | 1/0 STR | 250 MCM | #1/0 | #4/0 | 2.75 | 6.38 | 3.00 |
| BPCV100-40-AA | BP2CV100-40-AA | 1 | 1 | 250 MCM | 400 MCM | #4/0 | 397.5 | 2.75 | 6.38 | 3.00 |
| BPCV100-60-AA | BP2CV100-60-AA | 1 | 1 | 350 MCM | 600 MCM | 336.4 | 477 | 2.75 | 6.38 | 3.00 |
| BPCV100-90-AA | BP2CV100-90-AA | 1 | 1 | 500 MCM | 900 MCM | 477 | 795 | 2.75 | 6.38 | 3.00 |
| BPCV100-125-AA | BP2CV100-125-AA | 1 | 1 | 900 MCM | 1250 MCM | 715 | 1113 | 2.75 | 6.63 | 3.25 |
| BPCV100-160-AA | BP2CV100-160-AA | 1 | 1 | 1250 MCM | 1600 MCM | 1113 | 1431 | 2.75 | 7.75 | 4.38 |
| BPCV100-200-AA | BP2CV100-200-AA | 1 | 1 | 1500 MCM | 2000 MCM | 1272 | 1780 | 2.75 | 7.88 | 4.50 |
| BPCV125-10-AA | BP2CV125-10-AA | 2 | 1 1/4 | 4 | #1/0 | 4 | #1/0 | 3.00 | 5.50 | 1.88 |
| BPCV125-25-AA | BP2CV125-25-AA | 1 | 1 1/4 | 1/0 STR | 250 MCM | #1/0 | #4/0 | 3.00 | 6.88 | 3.00 |
| BPCV125-40-AA | BP2CV125-40-AA | 1 | 1 1/4 | 250 MCM | 400 MCM | #4/0 | 397.5 | 3.00 | 6.88 | 3.00 |
| BPCV125-60-AA | BP2CV125-60-AA | 1 | 1 1/4 | 350 MCM | 600 MCM | 336.4 | 477 | 3.00 | 6.88 | 3.00 |
| BPCV125-90-AA | BP2CV125-90-AA | 1 | 1 1/4 | 500 MCM | 900 MCM | 477 | 795 | 3.00 | 6.88 | 3.00 |
| BPCV125-125-AA | BP2CV125-125-AA | 1 | 1 1/4 | 900 MCM | 1250 MCM | 715 | 1113 | 3.00 | 7.13 | 3.25 |
| BPCV125-160-AA | BP2CV125-160-AA | 1 | 1 1/4 | 1250 MCM | 1600 MCM | 1113 | 1431 | 3.00 | 8.25 | 4.38 |
| BPCV125-200-AA | BP2CV125-200-AA | 1 | 1 1/4 | 1500 MCM | 2000 MCM | 1272 | 1780 | 3.00 | 8.38 | 4.50 |
| BPCV150-25-AA | BP2CV150-25-AA | 1 | 1 1/2 | 1/0 STR | 250 MCM | #1/0 | #4/0 | 3.00 | 6.88 | 3.00 |
| BPCV150-40-AA | BP2CV150-40-AA | 1 | 1 1/2 | 250 MCM | 400 MCM | #4/0 | 397.5 | 3.00 | 6.88 | 3.00 |
| BPCV150-60-AA | BP2CV150-60-AA | 1 | 1 1/2 | 350 MCM | 600 MCM | 336.4 | 477 | 3.00 | 6.88 | 3.00 |
| BPCV150-90-AA | BP2CV150-90-AA | 1 | 1 1/2 | 500 MCM | 900 MCM | 477 | 795 | 3.00 | 6.88 | 3.00 |
| BPCV150-125-AA | BP2CV150-125-AA | 1 | 1 1/2 | 900 MCM | 1250 MCM | 715 | 1113 | 3.00 | 7.13 | 3.25 |
| BPCV150-160-AA | BP2CV150-160-AA | 1 | 1 1/2 | 1250 MCM | 1600 MCM | 1113 | 1431 | 3.00 | 8.25 | 4.38 |
| BPCV150-200-AA | BP2CV150-200-AA | 1 | 1 1/2 | 1500 MCM | 2000 MCM | 1272 | 1780 | 3.00 | 8.38 | 4.50 |
| BPCV200-10-AA | BP2CV200-10-AA | 2 | 2 | 4 | #1/0 | 4 | #1/0 | 3.25 | 6.25 | 1.88 |
| BPCV200-25-AA | BP2CV200-25-AA | 1 | 2 | 1/0 STR | 250 MCM | #1/0 | #4/0 | 3.25 | 7.75 | 3.00 |
| BPCV200-40-AA | BP2CV200-40-AA | 1 | 2 | 250 MCM | 400 MCM | #4/0 | 397.5 | 3.25 | 7.75 | 3.00 |
| BPCV200-60-AA | BP2CV200-60-AA | 1 | 2 | 350 MCM | 600 MCM | 336.4 | 477 | 3.25 | 7.75 | 3.00 |
| BPCV200-60-S-AA | BP2CV200-60-S-AA | 1 | 2 | #4/0 | 600 MCM | #3/0 | 477 | 3.25 | 7.75 | 3.00 |
| BPCV200-90-AA | BP2CV200-90-AA | 1 | 2 | 500 MCM | 900 MCM | 477 | 795 | 3.25 | 7.75 | 3.00 |
| BPCV200-125-AA | BP2CV200-125-AA | 1 | 2 | 900 MCM | 1250 MCM | 715 | 1113 | 3.25 | 8.00 | 3.25 |
| BPCV200-160-AA | BP2CV200-160-AA | 1 | 2 | 1250 MCM | 1600 MCM | 1113 | 1431 | 3.25 | 9.13 | 4.38 |
| BPCV200-200-AA | BP2CV200-200-AA | 1 | 2 | 1500 MCM | 2000 MCM | 1272 | 1780 | 3.25 | 9.25 | 4.50 |
| BPCV200-250-AA | BP2CV200-250-AA | 1 | 2 | 2000 MCM | 2500 MCM | 1780 | 2300 | 3.25 | 9.25 | 4.50 |
| BPCV250-25-AA | BP2CV250-25-AA | 1 | 2 1/2 | 1/0 STR | 250 MCM | #1/0 | #4/0 | 3.25 | 7.88 | 3.00 |
| BPCV250-40-AA | BP2CV250-40-AA | 1 | 2 1/2 | 250 MCM | 400 MCM | #4/0 | 397 | 3.25 | 7.88 | 3.00 |
| BPCV250-60-AA | BP2CV250-60-AA | 1 | 2 1/2 | 350 MCM | 600 MCM | 336.4 | 477 | 3.25 | 7.88 | 3.00 |
| BPCV250-90-AA | BP2CV250-90-AA | 1 | 2 1/2 | 500 MCM | 900 MCM | 477 | 795 | 3.25 | 8.13 | 3.00 |
| BPCV250-125-AA | BP2CV250-125-AA | 1 | 2 1/2 | 900 MCM | 1250 MCM | 715 | 1113 | 3.25 | 8.38 | 3.25 |
| BPCV250-160-AA | BP2CV250-160-AA | 1 | 2 1/2 | 1250 MCM | 1600 MCM | 1113 | 1431 | 3.25 | 8.50 | 4.38 |
| BPCV250-200-AA | BP2CV250-200-AA | 1 | 2 1/2 | 1500 MCM | 2000 MCM | 1272 | 1780 | 3.25 | 8.63 | 4.50 |
| BPCV250-250-AA | BP2CV250-250-AA | 1 | 2 1/2 | 2000 MCM | 2500 MCM | 1780 | 2300 | 3.25 | 8.63 | 4.50 |
| BPCV300-10-AA | BP2CV300-10-AA | 2 | 3 | 4 STR | #1/0 | 4 | #1/0 | 3.75 | 7.47 | 1.88 |
| BPCV300-25-AA | BP2CV300-25-AA | 1 | 3 | 1/0 STR | 250 MCM | #1/0 | #4/0 | 3.00 | 8.88 | 3.00 |
| BPCV300-40-AA | BP2CV300-40-AA | 1 | 3 | 250 MCM | 400 MCM | #4/0 | 397.5 | 3.00 | 8.88 | 3.00 |
| BPCV300-60-AA | BP2CV300-60-AA | 1 | 3 | 350 MCM | 600 MCM | 336.4 | 477 | 3.00 | 8.88 | 3.00 |
| BPCV300-90-AA | BP2CV300-90-AA | 1 | 3 | 500 MCM | 900 MCM | 477 | 795 | 3.50 | 8.88 | 3.00 |
| BPCV300-125-AA | BP2CV300-125-AA | 1 | 3 | 900 MCM | 1250 MCM | 715 | 1113 | 3.50 | 8.88 | 3.25 |
| BPCV300-160-AA | BP2CV300-160-AA | 1 | 3 | 1250 MCM | 1600 MCM | 1113 | 1431 | 3.75 | 10.00 | 4.38 |

*continued*

© 2011, AFL, all rights reserved. PP-3-00254, Revision 4, 2.24.2026
Specifications are subject to change without notice.

# TYPE BPCV-AA, BP2CV-AA

## Aluminum Tee Connector For Tubular Bus To A Cable Tap

### Ordering Information

| Catalog Number | | FIG. No. | SPS | Cable TAP | | | | Dimensions in Inches | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Aluminum | | ACSR | | | | |
| BPCV | BP2CV | | | MIN | MAX | MIN | MAX | B | L | H |
| BPCV300-200-AA | BP2CV300-200-AA | 1 | 3 | 1500 MCM | 2000 MCM | 1272 | 1780 | 3.75 | 10.13 | 4.50 |
| BPCV300-250-AA | BP2CV300-250-AA | 1 | 3 | 2000 MCM | 2500 MCM | 1780 | 2300 | 3.75 | 10.13 | 4.50 |
| BPCV350-25-AA | BP2CV350-25-AA | 1 | 3 1/2 | 1/0 STR | 250 MCM | #1/0 | #4/0 | 3.00 | 9.38 | 3.00 |
| BPCV350-40-AA | BP2CV350-40-AA | 1 | 3 1/2 | 250 MCM | 400 MCM | #4/0 | 397.5 | 3.00 | 8.88 | 3.00 |
| BPCV350-60-AA | BP2CV350-60-AA | 1 | 3 1/2 | 350 MCM | 600 MCM | 336.4 | 477 | 3.00 | 8.88 | 3.00 |
| BPCV350-90-AA | BP2CV350-90-AA | 1 | 3 1/2 | 500 MCM | 900 MCM | 477 | 795 | 3.00 | 8.88 | 3.00 |
| BPCV350-125-AA | BP2CV350-125-AA | 1 | 3 1/2 | 900 MCM | 1250 MCM | 715 | 1113 | 3.50 | 9.81 | 3.25 |
| BPCV350-160-AA | BP2CV350-160-AA | 1 | 3 1/2 | 1250 MCM | 1600 MCM | 1113 | 1431 | 3.75 | 11.00 | 4.38 |
| BPCV350-200-AA | BP2CV350-200-AA | 1 | 3 1/2 | 1500 MCM | 2000 MCM | 1272 | 1780 | 3.75 | 11.19 | 4.50 |
| BPCV400-25-AA | BP2CV400-25-AA | 1 | 4 | 1/0 STR | 250 MCM | #1/0 | #4/0 | 3.25 | 10.00 | 3.00 |
| BPCV400-40-AA | BP2CV400-40-AA | 1 | 4 | 250 MCM | 400 MCM | #4/0 | 397.5 | 3.25 | 10.00 | 3.00 |
| BPCV400-60-AA | BP2CV400-60-AA | 1 | 4 | 350 MCM | 600 MCM | 336.4 | 477 | 3.25 | 10.00 | 3.00 |
| BPCV400-90-AA | BP2CV400-90-AA | 1 | 4 | 500 MCM | 900 MCM | 477 | 795 | 3.25 | 9.81 | 3.00 |
| BPCV400-125-AA | BP2CV400-125-AA | 1 | 4 | 900 MCM | 1250 MCM | 715 | 1113 | 3.25 | 10.25 | 3.25 |
| BPCV400-160-AA | BP2CV400-160-AA | 1 | 4 | 1250 MCM | 1600 MCM | 1113 | 1431 | 3.75 | 11.38 | 4.38 |
| BPCV400-200-AA | BP2CV400-200-AA | 1 | 4 | 1500 MCM | 2000 MCM | 1272 | 1780 | 3.75 | 11.50 | 4.50 |
| BPCV400-250-AA | BP2CV400-250-AA | 1 | 4 | 2000 MCM | 2500 MCM | 1780 | 2300 | 3.75 | 11.50 | 4.50 |
| BPCV500-10-AA | BP2CV500-10-AA | 2 | 5 | 4 STR | #1/0 | 4 | #1/0 | 3.25 | 9.50 | 1.88 |
| BPCV500-25-AA | BP2CV500-25-AA | 1 | 5 | 1/0 STR | 250 MCM | #1/0 | #4/0 | 3.25 | 10.50 | 3.00 |
| BPCV500-40-AA | BP2CV500-40-AA | 1 | 5 | 250 MCM | 400 MCM | #4/0 | 397.5 | 3.25 | 10.50 | 3.00 |
| BPCV500-60-AA | BP2CV500-60-AA | 1 | 5 | 350 MCM | 600 MCM | 336.4 | 477 | 3.25 | 10.50 | 3.00 |
| BPCV500-90-AA | BP2CV500-90-AA | 1 | 5 | 500 MCM | 900 MCM | 477 | 795 | 3.25 | 10.50 | 3.00 |
| BPCV500-125-AA | BP2CV500-125-AA | 1 | 5 | 900 MCM | 1250 MCM | 715 | 1113 | 3.25 | 10.75 | 3.25 |
| BPCV500-160-AA | BP2CV500-160-AA | 1 | 5 | 1250 MCM | 1600 MCM | 1113 | 1431 | 3.75 | 12.13 | 4.38 |
| BPCV500-200-AA | BP2CV500-200-AA | 1 | 5 | 1500 MCM | 2000 MCM | 1272 | 1780 | 3.75 | 12.00 | 4.50 |
| BPCV500-250-AA | BP2CV500-250-AA | 1 | 5 | 2000 MCM | 2500 MCM | 1780 | 2300 | 3.75 | 12.00 | 4.50 |
| BPCV600-25-AA | BP2CV600-25-AA | 1 | 6 | 1/0 STR | 250 MCM | #1/0 | #4/0 | 3.50 | 12.88 | 3.00 |
| BPCV600-90-AA | BP2CV600-90-AA | 1 | 6 | 500 MCM | 900 MCM | 477 | 795 | 4.00 | 12.00 | 3.00 |
| BPCV600-250-AA | BP2CV600-250-AA | 1 | 6 | 2000 MCM | 2500 MCM | 1780 | 2300 | 4.00 | 13.50 | 4.50 |
| BPCV600R-60-AA | BP2CV600R-60-AA | 1 | 6" O.D. | 350 MCM | 600 MCM | 336.4 | 477 | 3.25 | 11.00 | 3.00 |
| BPCV800-25-AA* | BP2CV800-25-AA* | 1 | 8 | 1/0 STR | 250 MCM | 1/0 STR | 4/0 STR | 5.00 | 13.88 | 3.00 |
| BPCV800-200-AA* | BP2CV800-200-AA* | 1 | 8 | 1500 MCM | 2000 MCM | 1272 | 1780 | 5.00 | 15.38 | 4.50 |
| BPCV800R-200-AA* | BP2CV800R-200-AA* | 1 | 8" O.D. | 1500 MCM | 2000 MCM | 1272 | 1780 | 5.00 | 15.38 | 4.50 |
| BPCV118R-90-AA | BP2CV118R-90-AA | 1 | 30MM | 500 MCM | 900 MCM | 477 | 795 | 2.75 | 6.63 | 3.00 |
| BPCV118R-125-AA | BP2CV118R-125-AA | 1 | 30MM | 900 MCM | 1250 MCM | 715 | 1113 | 2.75 | 6.75 | 3.25 |
| BPCV118R-125-S-AA | BP2CV118R-125-S-AA | 1 | 30MM | 600 MCM | 1250 MCM | 556.5 | 1113 | 2.75 | 6.75 | 3.25 |
| BPCV157R-125-S-AA | BP2CV157R-125-S-AA | 1 | 40MM | 600 MCM | 1250 MCM | 556.5 | 1113 | 2.75 | 6.88 | 3.25 |

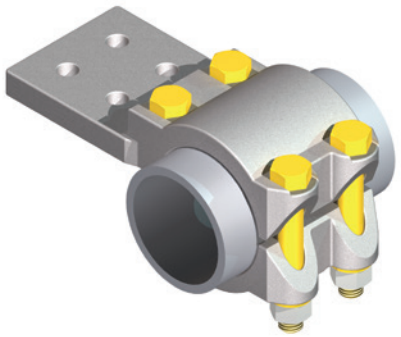
***** Items with * have 6 bolts

© 2011, AFL, all rights reserved. PP-3-00254, Revision 4, 2.24.2026
Specifications are subject to change without notice.

# DOSSERT®

## TYPE PFTS-N-AA

### Pipe to NEMA Pad



Tee tap is designed to provide terminal connections on side of tubular bus. Four clamp bolts ensure positive electrical contact. Pad conforms to NEMA standards.

### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts and lockwashers.

### Notes

- For Stainless Steel bolts, lockwashers and Everdur nuts, add "-SSHBN" to catalog number. EX: PFTS6-00-1-6N4-AA-SSHBN
- For Galvanized Steel Hardware, add "-GS" to catalog number. EX: PFTS300-1-2N-AA-GS
- *Design has 6 Bolts

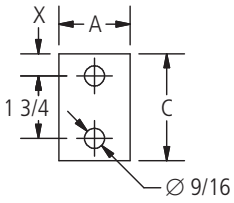



FIG. 1

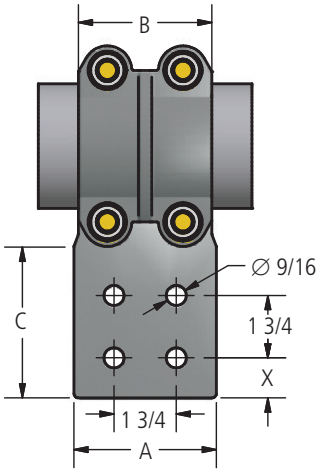
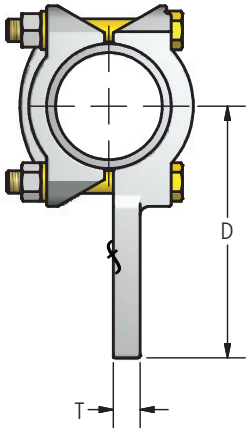



FIG. 2



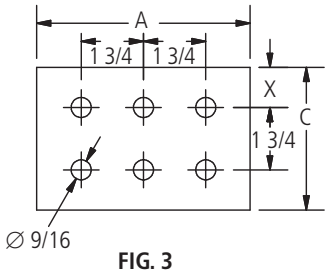




FIG. 3

### Ordering Information

| CATALOG NUMBER | SPS | FIG. NO. | DIMENSIONS IN INCHES | | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | D | T | X | |
| PFTS75-1-2N-AA | 3/4 | 1 | 2.00 | 2.75 | 3.00 | 4.63 | 0.38 | 0.63 | 1/2 |
| PFTS75-1-4N-AA | 3/4 | 2 | 3.00 | 2.75 | 3.00 | 4.63 | 0.38 | 0.63 | 1/2 |
| PFTS100-1-2N-AA | 1 | 1 | 2.00 | 2.75 | 3.00 | 4.81 | 0.38 | 0.63 | 1/2 |
| PFTS100-1-3N-AA | 1 | 2 | 3.00 | 2.75 | 3.00 | 4.81 | 0.38 | 0.63 | 1/2 |
| PFTS100-1-4N-AA | 1 | 2 | 4.00 | 2.75 | 3.00 | 4.81 | 0.38 | 0.63 | 1/2 |
| PFTS100-1-4N4-AA | 1 | 2 | 4.00 | 2.75 | 4.00 | 4.81 | 0.38 | 1.13 | 1/2 |
| PFTS125-1-2N-AA | 1 1/4 | 1 | 2.00 | 3.00 | 3.00 | 4.94 | 0.50 | 0.63 | 1/2 |
| PFTS125-1-3N-AA | 1 1/4 | 2 | 3.00 | 3.00 | 3.00 | 4.94 | 0.50 | 0.63 | 1/2 |
| PFTS125-1-4N-AA | 1 1/4 | 2 | 3.00 | 3.00 | 3.00 | 4.94 | 0.50 | 0.63 | 1/2 |
| PFTS125-14N4-AA | 1 1/4 | 2 | 4.00 | 3.00 | 4.00 | 5.97 | 0.50 | 1.13 | 1/2 |



© 2011, AFL, all rights reserved. PP-3-00395, Revision 6, 12.18.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE PFTS-N-AA (cont.)

### Pipe to NEMA Pad

### Ordering Information

| CATALOG NUMBER | SPS | FIG. NO. | DIMENSIONS IN INCHES | | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | D | T | X | |
| PFTS150-1-2N-AA | 1 1/2 | 1 | 2.00 | 3.00 | 3.00 | 5.06 | 0.50 | 0.63 | 1/2 |
| PFTS150-1-3N-AA | 1 1/2 | 2 | 3.00 | 3.00 | 3.00 | 5.06 | 0.50 | 0.63 | 1/2 |
| PFTS150-1-4N-AA | 1 1/2 | 2 | 3.00 | 3.00 | 3.00 | 5.06 | 0.50 | 0.63 | 1/2 |
| PFTS150-1-4N4-AA | 1 1/2 | 2 | 4.00 | 3.00 | 4.00 | 6.06 | 0.50 | 1.13 | 1/2 |
| PFTS200-1-2N-AA | 2 | 1 | 2.00 | 3.25 | 3.00 | 5.31 | 0.63 | 0.63 | 1/2 |
| PFTS200-1-3N-AA | 2 | 2 | 3.00 | 3.25 | 3.00 | 5.31 | 0.63 | 0.63 | 1/2 |
| PFTS200-1-4N-AA | 2 | 2 | 3.00 | 3.25 | 3.00 | 5.31 | 0.63 | 0.63 | 1/2 |
| PFTS200-1-4N4-AA | 2 | 2 | 4.00 | 3.25 | 4.00 | 6.31 | 0.63 | 1.13 | 1/2 |
| PFTS250-1-2N-AA | 2 1/2 | 1 | 2.00 | 3.25 | 3.00 | 5.56 | 0.63 | 0.63 | 1/2 |
| PFTS250-1-3N-AA | 2 1/2 | 2 | 3.00 | 3.25 | 3.00 | 5.56 | 0.75 | 0.63 | 1/2 |
| PFTS250-1-4N-AA | 2 1/2 | 2 | 3.00 | 3.25 | 3.00 | 5.56 | 0.75 | 0.63 | 1/2 |
| PFTS250-1-4N4-AA | 2 1/2 | 2 | 4.00 | 3.25 | 4.00 | 6.56 | 0.75 | 1.13 | 1/2 |
| PFTS300-1-2N-AA | 3 | 1 | 2.00 | 3.75 | 3.00 | 6.06 | 0.75 | 0.63 | 5/8 |
| PFTS300-1-3N-AA | 3 | 2 | 3.00 | 3.75 | 3.00 | 6.06 | 0.75 | 0.63 | 5/8 |
| PFTS300-1-4N-AA | 3 | 2 | 3.00 | 3.75 | 3.50 | 6.38 | 0.75 | 0.63 | 5/8 |
| PFTS300-1-4N4-AA | 3 | 2 | 4.00 | 3.75 | 4.00 | 7.06 | 0.75 | 1.13 | 5/8 |
| PFTS350-1-2N-AA | 3 1/2 | 1 | 2.00 | 3.75 | 3.00 | 6.31 | 0.88 | 0.63 | 5/8 |
| PFTS350-1-4N-AA | 3 1/2 | 2 | 4.00 | 3.75 | 3.00 | 6.31 | 0.88 | 0.63 | 5/8 |
| PFTS350-1-4N4-AA | 3 1/2 | 2 | 4.00 | 3.75 | 4.00 | 7.31 | 0.88 | 1.13 | 5/8 |
| PFTS350-1-6N4-AA | 3 1/2 | 3 | 6.00 | 3.75 | 4.00 | 7.31 | 0.88 | 1.13 | 5/8 |
| PFTS400-1-2N-AA | 4 | 1 | 2.00 | 3.75 | 3.00 | 6.56 | 0.88 | 0.63 | 5/8 |
| PFTS400-1-4N-AA | 4 | 2 | 4.00 | 3.75 | 3.00 | 6.56 | 0.88 | 0.63 | 5/8 |
| PFTS400-1-4N4-AA | 4 | 2 | 4.00 | 3.75 | 4.00 | 7.56 | 0.88 | 1.13 | 5/8 |
| PFTS400-1-6N4-AA | 4 | 3 | 6.00 | 3.75 | 4.00 | 7.56 | 0.88 | 1.13 | 5/8 |
| PFTS500-1-2N-AA | 5 | 1 | 2.00 | 3.75 | 3.00 | 7.13 | 1.00 | 0.63 | 5/8 |
| PFTS500-1-4N-AA | 5 | 2 | 3.00 | 3.75 | 3.00 | 7.13 | 1.00 | 0.63 | 5/8 |
| PFTS500-1-4N4-AA | 5 | 2 | 4.00 | 3.75 | 4.00 | 8.09 | 1.00 | 1.13 | 5/8 |
| PFTS500-1-6N4-AA | 5 | 3 | 6.00 | 3.75 | 4.00 | 8.13 | 1.00 | 1.13 | 5/8 |
| PFTS500R-1-4N4-AA | 5 OD | 2 | 4.00 | 3.25 | 4.00 | 7.81 | 1.00 | 1.13 | 5/8 |
| PFTS600-1-4N4-AA * | 6 | 2 | 4.00 | 6.00 | 4.00 | 8.75 | 1.00 | 1.13 | 5/8 |
| PFTS600-1.125T-4N4-AA * | 6 | 2 | 4.00 | 6.00 | 4.00 | 8.75 | 1.13 | 1.13 | 5/8 |
| PFTS600-1-6N4-AA * | 6 | 3 | 6.00 | 8.00 | 4.00 | 8.63 | 1.13 | 1.13 | 5/8 |
| PFTS800R-1-4N4-AA * | 8 OD | 2 | 4.00 | 5.00 | 4.00 | 9.31 | 1.13 | 1.13 | 5/8 |
| PFTS800R-1-6N4-AA * | 8 OD | 3 | 6.00 | 5.00 | 4.00 | 9.31 | 1.13 | 1.13 | 5/8 |

*Design has 6 Bolts

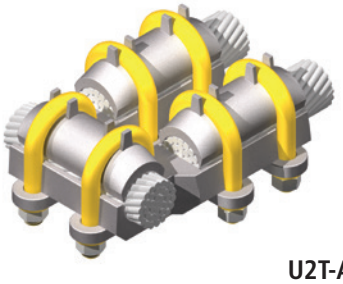


© 2011, AFL, all rights reserved. PP-3-00395, Revision 6, 12.18.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE U2T-AA, UUTT-AA

The U2T-AA is a double tap single run, and the UUTT-AA is a double tap double run. Each tap position independently takes a wide range of conductor sizes.



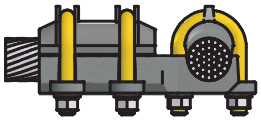
U2T-AA

### Material

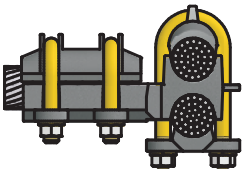
Aluminum Alloy

### Hardware

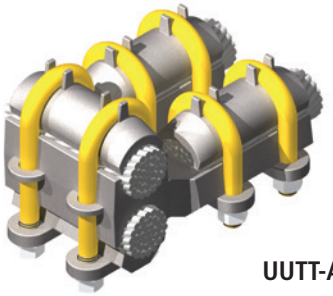
Yellow anodized aluminum nuts, bolts and lockwashers.



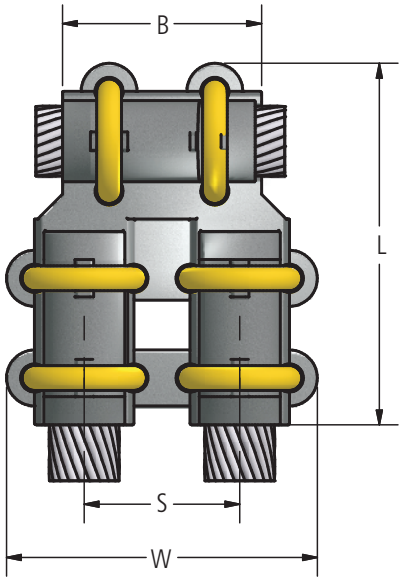
U2T-AA

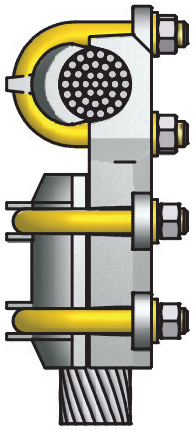


UUTT-AA



UUTT-AA



## Ordering Information

| CATALOG NUMBER | | AAC CABLE RANGE RUN | | AAC CABLE RANGE TAP | | DIMENSIONS IN INCHES | | | | U-BOLT DIAMETER | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MIN | MAX | MIN | MAX | B | L | S | W | MAIN | TAP |
| U2T13-13-AA | UUTT13-13-AA | # 6 Stranded | 2/0 Stranded | #6 Stranded | 2/0 Stranded | 3 1/4 | 4 1/4 | 1 11/16 | 3 1/4 | 5/16 | 5/16 |
| U2T21-21-AA | UUTT21-21-AA | #1 Stranded | 4/0 Stranded | #1 Stranded | 4/0 Stranded | 3 1/4 | 4 1/2 | 1 31/32 | 3 1/4 | 3/8 | 3/8 |
| U2T30-13-AA | UUTT30-13-AA | 1/0 Stranded | 300 KCMIL | #6 Stranded | 2/0 Stranded | 3 1/4 | 4 1/4 | 1 11/16 | 3 1/4 | 3/8 | 3/8 |
| U2T30-30-AA | UUTT30-30-AA | 1/0 Stranded | 300 KCMIL | 1/0 Stranded | 300 KCMIL | 3 1/4 | 4 1/2 | 2 1/16 | 4 | 3/8 | 3/8 |
| U2T50-13-AA | UUTT50-13-AA | 300 KCMIL | 500 KCMIL | #6 Stranded | 2/0 Stranded | 3 1/4 | 4 3/8 | 1 11/16 | 3 1/4 | 3/8 | 5/16 |
| U2T50-21-AA | UUTT50-21-AA | 300 KCMIL | 500 KCMIL | #1 Stranded | 4/0 Stranded | 3 1/4 | 4 3/4 | 1 31/32 | 3 3/4 | 3/8 | 3/8 |
| U2T50-30-AA | UUTT50-30-AA | 300 KCMIL | 500 KCMIL | 1/0 Stranded | 300 KCMIL | 4 1/4 | 4 7/8 | 2 1/16 | 4 | 3/8 | 3/8 |
| U2T50-50-AA | UUTT50-50-AA | 300 KCMIL | 500 KCMIL | 300 KCMIL | 500 KCMIL | 4 1/4 | 5 1/8 | 2 1/4 | 4 3/8 | 3/8 | 3/8 |
| U2T90-13-AA | UUTT90-13-AA | 500 KCMIL | 800 KCMIL | #6 Stranded | 2/0 Stranded | 3 1/4 | 5 1/4 | 1 11/16 | 3 1/4 | 1/2 | 5/16 |
| U2T90-21-AA | UUTT90-21-AA | 500 KCMIL | 800 KCMIL | #1 Stranded | 4/0 Stranded | 3 1/4 | 5 7/8 | 1 31/32 | 3 3/4 | 1/2 | 3/8 |



© 2011, AFL, all rights reserved. PP-3-00488, Revision 0, 1.12.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE U2T-AA, UUTT-AA

The U2T-AA is a double tap single run, and the UUTT-AA is a double tap double run.

### Ordering Information

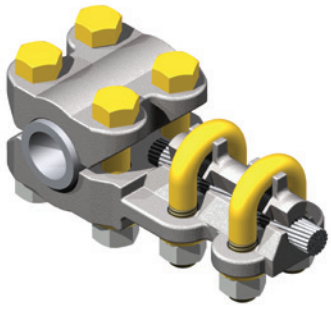
| CATALOG NUMBER | | AAC CABLE RANGE RUN | | AAC CABLE RANGE TAP | | DIMENSIONS IN INCHES | | | | U-BOLT DIAMETER | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MIN | MAX | MIN | MAX | B | L | S | W | MAIN | TAP |
| U2T13-13-AA | UUTT13-13-AA | # 6 Stranded | 2/0 Stranded | #6 Stranded | 2/0 Stranded | 3 1/4 | 4 1/4 | 1 11/16 | 3 1/4 | 5/16 | 5/16 |
| U2T21-21-AA | UUTT21-21-AA | #1 Stranded | 4/0 Stranded | #1 Stranded | 4/0 Stranded | 3 1/4 | 4 1/2 | 1 31/32 | 3 1/4 | 3/8 | 3/8 |
| U2T30-13-AA | UUTT30-13-AA | 1/0 Stranded | 300 KCMIL | #6 Stranded | 2/0 Stranded | 3 1/4 | 4 1/4 | 1 11/16 | 3 1/4 | 3/8 | 3/8 |
| U2T30-30-AA | UUTT30-30-AA | 1/0 Stranded | 300 KCMIL | 1/0 Stranded | 300 KCMIL | 3 1/4 | 4 1/2 | 2 1/16 | 4 | 3/8 | 3/8 |
| U2T50-13-AA | UUTT50-13-AA | 300 KCMIL | 500 KCMIL | #6 Stranded | 2/0 Stranded | 3 1/4 | 4 3/8 | 1 11/16 | 3 1/4 | 3/8 | 5/16 |
| U2T50-21-AA | UUTT50-21-AA | 300 KCMIL | 500 KCMIL | #1 Stranded | 4/0 Stranded | 3 1/4 | 4 3/4 | 1 31/32 | 3 3/4 | 3/8 | 3/8 |
| U2T50-30-AA | UUTT50-30-AA | 300 KCMIL | 500 KCMIL | 1/0 Stranded | 300 KCMIL | 4 1/4 | 4 7/8 | 2 1/16 | 4 | 3/8 | 3/8 |
| U2T50-50-AA | UUTT50-50-AA | 300 KCMIL | 500 KCMIL | 300 KCMIL | 500 KCMIL | 4 1/4 | 5 1/8 | 2 1/4 | 4 3/8 | 3/8 | 3/8 |
| U2T90-13-AA | UUTT90-13-AA | 500 KCMIL | 800 KCMIL | #6 Stranded | 2/0 Stranded | 3 1/4 | 5 1/4 | 1 11/16 | 3 1/4 | 1/2 | 5/16 |
| U2T90-21-AA | UUTT90-21-AA | 500 KCMIL | 800 KCMIL | #1 Stranded | 4/0 Stranded | 3 1/4 | 5 7/8 | 1 31/32 | 3 3/4 | 1/2 | 3/8 |
| U2T90-30-AA | UUTT90-30-AA | 500 KCMIL | 800 KCMIL | 1/0 Stranded | 300 KCMIL | 4 1/4 | 6 | 2 1/16 | 4 | 1/2 | 3/8 |
| U2T90-50-AA | UUTT90-50-AA | 500 KCMIL | 800 KCMIL | 300 KCMIL | 500 KCMIL | 4 1/4 | 6 1/4 | 2 1/4 | 4 3/8 | 1/2 | 3/8 |
| U2T90-90-AA | UUTT90-90-AA | 500 KCMIL | 800 KCMIL | 500 KCMIL | 800 KCMIL | 5 1/4 | 6 1/2 | 2 27/32 | 5 1/2 | 1/2 | 1/2 |
| U2T100-13-AA | UUTT100-13-AA | 750 KCMIL | 1000 KCMIL | #6 Stranded | 2/0 Stranded | 4 1/4 | 5 1/2 | 1 11/16 | 3 1/4 | 1/2 | 5/16 |
| U2T100-21-AA | UUTT100-21-AA | 750 KCMIL | 1000 KCMIL | #1 Stranded | 4/0 Stranded | 4 1/4 | 5 5/8 | 1 31/32 | 3 3/4 | 1/2 | 3/8 |
| U2T100-30-AA | UUTT100-30-AA | 750 KCMIL | 1000 KCMIL | 1/0 Stranded | 300 KCMIL | 4 1/4 | 5 3/4 | 2 1/16 | 4 | 1/2 | 3/8 |
| U2T100-50-AA | UUTT100-50-AA | 750 KCMIL | 1000 KCMIL | 300 KCMIL | 500 KCMIL | 4 1/4 | 6 | 2 1/4 | 4 3/8 | 1/2 | 3/8 |
| U2T100-90-AA | UUTT100-90-AA | 750 KCMIL | 1000 KCMIL | 500 KCMIL | 800 KCMIL | 5 1/4 | 6 1/4 | 2 27/32 | 5 1/2 | 1/2 | 1/2 |
| U2T100-100-AA | UUTT100-100-AA | 750 KCMIL | 1000 KCMIL | 750 KCMIL | 1000 KCMIL | 5 1/4 | 6 1/2 | 3 | 5 7/8 | 1/2 | 1/2 |
| U2T150-13-AA | UUTT150-13-AA | 1000 KCMIL | 1500 KCMIL | #6 Stranded | 2/0 Stranded | 4 1/4 | 5 3/4 | 1 11/16 | 3 1/4 | 1/2 | 5/16 |
| U2T150-21-AA | UUTT150-21-AA | 1000 KCMIL | 1500 KCMIL | #1 Stranded | 4/0 Stranded | 4 1/4 | 5 7/8 | 1 31/32 | 3 3/4 | 1/2 | 3/8 |
| U2T150-30-AA | UUTT150-30-AA | 1000 KCMIL | 1500 KCMIL | 1/0 Stranded | 300 KCMIL | 4 1/4 | 6 | 2 1/16 | 4 | 1/2 | 3/8 |
| U2T150-50-AA | UUTT150-50-AA | 1000 KCMIL | 1500 KCMIL | 300 KCMIL | 500 KCMIL | 4 1/4 | 6 1/4 | 2 1/4 | 4 3/8 | 1/2 | 3/8 |
| U2T150-90-AA | UUTT150-90-AA | 1000 KCMIL | 1500 KCMIL | 500 KCMIL | 800 KCMIL | 5 1/4 | 6 1/2 | 2 27/32 | 5 1/2 | 1/2 | 1/2 |
| U2T150-100-AA | UUTT150-100-AA | 1000 KCMIL | 1500 KCMIL | 750 KCMIL | 1000 KCMIL | 5 1/4 | 6 3/4 | 3 | 5 7/8 | 1/2 | 1/2 |
| U2T150-150-AA | UUTT150-150-AA | 1000 KCMIL | 1500 KCMIL | 1000 KCMIL | 1500 KCMIL | 6 | 7 1/4 | 3 1/4 | 6 5/8 | 1/2 | 1/2 |
| U2T200-30-AA | UUTT200-30-AA | 1500 KCMIL | 2000 KCMIL | 1/0 Stranded | 300 KCMIL | 4 1/4 | 6 1/4 | 2 1/16 | 4 | 1/2 | 3/8 |
| U2T200-50-AA | UUTT200-50-AA | 1500 KCMIL | 2000 KCMIL | 300 KCMIL | 500 KCMIL | 4 1/4 | 6 1/2 | 2 1/4 | 4 3/8 | 1/2 | 3/8 |
| U2T200-90-AA | UUTT200-90-AA | 1500 KCMIL | 2000 KCMIL | 500 KCMIL | 800 KCMIL | 5 1/4 | 6 3/4 | 2 27/32 | 5 1/2 | 1/2 | 1/2 |
| U2T200-100-AA | UUTT200-100-AA | 1500 KCMIL | 2000 KCMIL | 750 KCMIL | 1000 KCMIL | 5 1/4 | 7 | 3 | 5 7/8 | 1/2 | 1/2 |
| U2T200-150-AA | UUTT200-150-AA | 1500 KCMIL | 2000 KCMIL | 1000 KCMIL | 1500 KCMIL | 6 3/8 | 7 1/2 | 3 1/4 | 6 5/8 | 1/2 | 1/2 |
| U2T200-200-AA | UUTT200-200-AA | 1500 KCMIL | 2000 KCMIL | 1500 KCMIL | 2000 KCMIL | 6 3/8 | 8 | 3 1/2 | 6 7/8 | 5/8 | 1/2 |



© 2011, AFL, all rights reserved. PP-3-00488, Revision 0, 1.12.11
Specifications are subject to change without notice.

# TYPE UPT-AA

## U-bolt Pipe to Cable Tee Connector



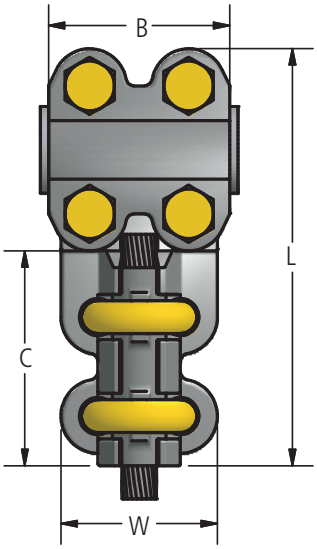
Tee connector is designed for connecting stranded aluminum or ACSR conductor to tubular bus. Four clamp bolts on each conductor insures positive electrical contact.

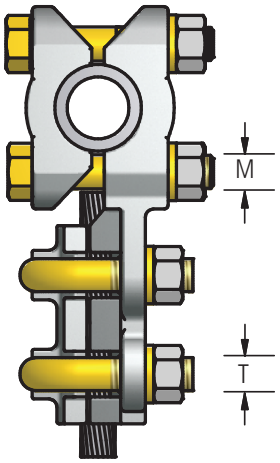
### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, U-bolt, nuts, and lockwashers.




### Ordering Information

| Catalog Number | SPS | AAC Cable Range | | Dimensions in Inches | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | MIN | MAX | B | C | L | M | T | W |
| UPT50-13-AA | 1/2 | 6STR | 2/0STR | 2 1/2 | 3 | 5 3/4 | 1/2 | 1/2 | 2 1/8 |
| UPT50-21-AA | 1/2 | 1STR | 4/0STR | 2 1/2 | 3 | 5 3/4 | 1/2 | 1/2 | 2 7/32 |
| UPT50-30-AA | 1/2 | 1/0STR | 300MCM | 2 1/2 | 3 1/4 | 6 | 1/2 | 1/2 | 2 5/16 |
| UPT75-13-AA | 3/4 | 6STR | 2/0STR | 2 3/4 | 3 | 6 | 1/2 | 1/2 | 2 1/8 |
| UPT75-21-AA | 3/4 | 1STR | 4/0STR | 2 3/4 | 3 | 6 | 1/2 | 1/2 | 2 7/32 |
| UPT75-30-AA | 3/4 | 1/0STR | 300MCM | 2 3/4 | 3 1/4 | 6 1/4 | 1/2 | 1/2 | 2 5/16 |
| UPT75-50-AA | 3/4 | 300MCM | 500MCM | 2 3/4 | 3 1/4 | 6 1/4 | 1/2 | 1/2 | 2 1/2 |
| UPT100-13-AA | 1 | 6STR | 2/0STR | 2 3/4 | 3 | 6 1/4 | 1/2 | 1/2 | 2 1/8 |
| UPT100-21-AA | 1 | 1STR | 4/0STR | 2 3/4 | 3 | 6 1/4 | 1/2 | 1/2 | 2 7/32 |
| UPT100-30-AA | 1 | 1/0STR | 300MCM | 2 3/4 | 3 1/4 | 6 1/2 | 1/2 | 1/2 | 2 5/16 |
| UPT100-50-AA | 1 | 300MCM | 500MCM | 2 3/4 | 3 1/4 | 6 1/2 | 1/2 | 1/2 | 2 1/2 |
| UPT100-90-AA | 1 | 500MCM | 900MCM | 2 3/4 | 3 1/2 | 6 3/4 | 1/2 | 1/2 | 2 13/16 |
| UPT125-13-AA | 1 1/4 | 6STR | 2/0STR | 3 | 3 | 6 5/8 | 1/2 | 1/2 | 2 1/8 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

*continued*

© 2011, AFL, all rights reserved. PP-3-00512, Revision 2, 3.04.2026
Specifications are subject to change without notice.

# TYPE UPT-AA

## U-bolt Pipe to Cable Tee Connector

### Ordering Information

| Catalog Number | SPS | AAC Cable Range | | Dimensions in Inches | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | MIN | MAX | B | C | L | M | T | W |
| UPT125-21-AA | 1 1/4 | 1STR | 4/0STR | 3 | 3 | 6 5/8 | 1/2 | 1/2 | 2 7/32 |
| UPT125-30-AA | 1 1/4 | 1/0STR | 300MCM | 3 | 3 1/4 | 6 7/8 | 1/2 | 1/2 | 2 5/16 |
| UPT125-50-AA | 1 1/4 | 300MCM | 500MCM | 3 | 3 1/4 | 6 7/8 | 1/2 | 1/2 | 2 1/2 |
| UPT125-90-AA | 1 1/4 | 500MCM | 900MCM | 3 | 3 1/2 | 7 1/8 | 1/2 | 1/2 | 2 13/16 |
| UPT125-100-AA | 1 1/4 | 750MCM | 1000MCM | 3 | 3 1/2 | 7 1/8 | 1/2 | 1/2 | 2 27/32 |
| UPT150-13-AA | 1 1/2 | 6STR | 2/0STR | 3 | 3 | 6 7/8 | 1/2 | 1/2 | 2 7/32 |
| UPT150-21-AA | 1 1/2 | 1STR | 4/0STR | 3 | 3 | 6 7/8 | 1/2 | 1/2 | 2 7/32 |
| UPT150-30-AA | 1 1/2 | 1/0STR | 300MCM | 3 | 3 1/4 | 7 1/8 | 1/2 | 1/2 | 2 5/16 |
| UPT150-50-AA | 1 1/2 | 300MCM | 500MCM | 3 | 3 1/4 | 7 1/8 | 1/2 | 1/2 | 2 1/2 |
| UPT150-90-AA | 1 1/2 | 500MCM | 900MCM | 3 | 3 1/2 | 7 3/8 | 1/2 | 1/2 | 2 13/16 |
| UPT150-100-AA | 1 1/2 | 800MCM | 1000MCM | 3 | 3 1/2 | 7 3/8 | 1/2 | 1/2 | 2 27/32 |
| UPT150-150-AA | 1 1/2 | 1000MCM | 1500MCM | 3 | 4 1/2 | 8 3/8 | 1/2 | 5/8 | 3 1/4 |
| UPT150-200-AA | 1 1/2 | 1500MCM | 2000MCM | 3 | 4 1/2 | 8 3/8 | 1/2 | 5/8 | 3 3/4 |
| UPT200-21-AA | 2 | 1STR | 4/0STR | 3 1/4 | 3 | 7 3/8 | 1/2 | 1/2 | 2 7/32 |
| UPT200-30-AA | 2 | 1/0STR | 300MCM | 3 1/4 | 3 1/4 | 7 5/8 | 1/2 | 1/2 | 2 5/16 |
| UPT200-50-AA | 2 | 300MCM | 500MCM | 3 1/4 | 3 1/4 | 7 5/8 | 1/2 | 1/2 | 2 1/2 |
| UPT200-90-AA | 2 | 500MCM | 900MCM | 3 1/4 | 3 1/2 | 7 7/8 | 1/2 | 1/2 | 2 13/16 |
| UPT200-100-AA | 2 | 750MCM | 1000MCM | 3 1/4 | 3 1/2 | 7 7/8 | 1/2 | 1/2 | 2 27/32 |
| UPT200-150-AA | 2 | 1000MCM | 1500MCM | 3 1/4 | 4 1/2 | 8 7/8 | 1/2 | 5/8 | 3 1/4 |
| UPT200-200-AA | 2 | 1500MCM | 2000MCM | 3 1/4 | 4 1/2 | 8 7/8 | 1/2 | 5/8 | 3 3/4 |
| UPT250-30-AA | 2 1/2 | 1/0STR | 300MCM | 3 1/4 | 3 1/4 | 8 1/8 | 1/2 | 1/2 | 2 5/16 |
| UPT250-50-AA | 2 1/2 | 300MCM | 500MCM | 3 1/4 | 3 1/4 | 8 1/8 | 1/2 | 1/2 | 2 1/2 |
| UPT250-90-AA | 2 1/2 | 500MCM | 900MCM | 3 1/4 | 3 1/2 | 8 3/8 | 1/2 | 1/2 | 2 13/16 |
| UPT250-100-AA | 2 1/2 | 750MCM | 1000MCM | 3 1/4 | 3 1/2 | 8 3/8 | 1/2 | 1/2 | 2 27/32 |
| UPT250-150-AA | 2 1/2 | 1000MCM | 1500MCM | 3 1/4 | 4 1/2 | 9 3/8 | 1/2 | 5/8 | 3 1/4 |
| UPT250-200-AA | 2 1/2 | 1500MCM | 2000MCM | 3 1/4 | 4 1/2 | 9 3/8 | 1/2 | 5/8 | 3 3/4 |
| UPT300-30-AA | 3 | 1/0STR | 300MCM | 3 1/4 | 3 1/4 | 8 3/4 | 1/2 | 1/2 | 2 5/16 |
| UPT300-50-AA | 3 | 300MCM | 500MCM | 3 1/4 | 3 1/4 | 8 3/4 | 1/2 | 1/2 | 2 1/2 |
| UPT300-90-AA | 3 | 500MCM | 900MCM | 3 1/2 | 3 1/2 | 9 | 1/2 | 1/2 | 2 13/16 |
| UPT300-100-AA | 3 | 750MCM | 1000MCM | 3 1/4 | 3 1/2 | 9 | 1/2 | 1/2 | 2 27/32 |
| UPT300-150-AA | 3 | 1000MCM | 1500MCM | 3 3/4 | 4 1/2 | 10 3/8 | 5/8 | 5/8 | 3 1/4 |
| UPT300-200-AA | 3 | 1500MCM | 2000MCM | 3 3/4 | 4 1/2 | 10 3/8 | 5/8 | 5/8 | 3 3/4 |
| UPT400-30-AA | 4 | 1/0STR | 300MCM | 3 3/4 | 4 1/2 | 10 3/8 | 5/8 | 5/8 | 2 5/16 |
| UPT500-150-AA | 5 | 1000MCM | 1500MCM | 3 3/4 | 4 | 10 3/8 | 5/8 | 5/8 | 3 1/4 |

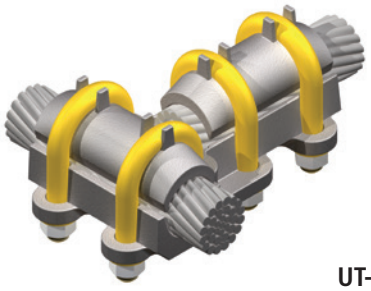
© 2011, AFL, all rights reserved. PP-3-00512, Revision 2, 3.04.2026
Specifications are subject to change without notice.

DOSSERT®

# TYPE UT-AA, UUT-AA

## U-bolt Tee Connector

A rugged U-bolt high compression clamp type tee connector which takes a wide range of cable sizes in both the run and tap sections. Designed to withstand high compressive clamping action on all cables within specified cable ranges.



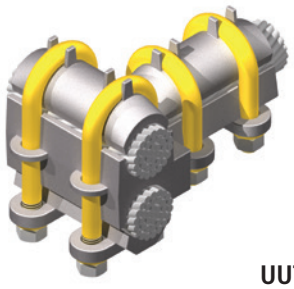
UT-AA

### Material

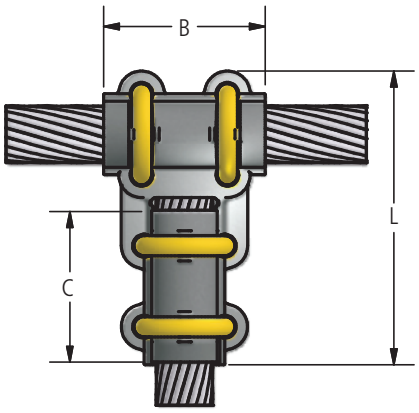
Aluminum Alloy

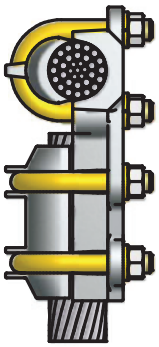
### Hardware

Yellow anodized aluminum U-bolts, nuts, and lockwashers.

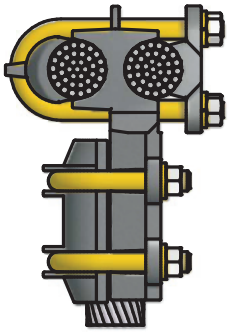


UUT-AA



UT-AA



UUT-AA

*continued*



© 2011, AFL, all rights reserved. PP-3-00532. Revision 3, 7.11.19
Specifications are subject to change without notice.

# DOSSERT®

## TYPE UT-AA, UUT-AA

U-bolt Tee Connector

## Ordering Information

| AAC CONDUCTOR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CATALOG NUMBER | | CABLE RANGE | | | | DIMENSION IN INCHES | | | | |
| UT-AA | UUT-AA | RUN | | TAP | | B | C | L | U-BOLT | |
| | | MIN | MAX | MIN | MAX | | | | RUN | TAP |
| UT13-13-AA | UUT13-13-AA | #6 STR | 2/0 STR | #6 STR | 2/0 STR | 3.00 | 3.00 | 5.38 | 1/2 | 1/2 |
| UT21-13-AA | UUT21-13-AA | #1 STR | 4/0 STR | #6 STR | 2/0 STR | 3.00 | 3.00 | 5.50 | 1/2 | 1/2 |
| UT21-21-AA | UUT21-21-AA | #1 STR | 4/0 STR | #1 STR | 4/0 STR | 3.00 | 3.00 | 5.50 | 1/2 | 1/2 |
| UT30-13-AA | UUT30-13-AA | 1/0 STR | 300 MCM | #6 STR | 2/0 STR | 3.25 | 3.00 | 5.63 | 1/2 | 1/2 |
| UT30-21-AA | UUT30-21-AA | 1/0 STR | 300 MCM | #1 STR | 4/0 STR | 3.25 | 3.00 | 5.63 | 1/2 | 1/2 |
| UT30-30-AA | UUT30-30-AA | 1/0 STR | 300 MCM | 1/0 STR | 300 MCM | 3.25 | 3.25 | 5.88 | 1/2 | 1/2 |
| UT50-13-AA | UUT50-13-AA | 300 MCM | 500 MCM | #6 STR | 2/0 STR | 3.25 | 3.00 | 5.75 | 1/2 | 1/2 |
| UT50-21-AA | UUT50-21-AA | 300 MCM | 500 MCM | #1 STR | 4/0 STR | 3.25 | 3.00 | 5.75 | 1/2 | 1/2 |
| UT50-30-AA | UUT50-30-AA | 300 MCM | 500 MCM | 1/0 STR | 300 MCM | 3.25 | 3.25 | 6.00 | 1/2 | 1/2 |
| UT50-50-AA | UUT50-50-AA | 300 MCM | 500 MCM | 300 MCM | 500 MCM | 3.25 | 3.25 | 6.00 | 1/2 | 1/2 |
| UT90-13-AA | UUT90-13-AA | 500 MCM | 900 MCM | #6 STR | 2/0 STR | 3.50 | 3.00 | 6.06 | 1/2 | 1/2 |
| UT90-21-AA | UUT90-21-AA | 500 MCM | 900 MCM | #1 STR | 4/0 STR | 3.50 | 3.00 | 6.06 | 1/2 | 1/2 |
| UT90-30-AA | UUT90-30-AA | 500 MCM | 900 MCM | 1/0 STR | 300 MCM | 3.50 | 3.25 | 6.31 | 1/2 | 1/2 |
| UT90-50-AA | UUT90-50-AA | 500 MCM | 900 MCM | 300 MCM | 500 MCM | 3.50 | 3.25 | 6.31 | 1/2 | 1/2 |
| UT90-90-AA | UUT90-90-AA | 500 MCM | 900 MCM | 500 MCM | 900 MCM | 3.50 | 3.50 | 6.56 | 1/2 | 1/2 |
| UT100-30-AA | UUT100-30-AA | 750 MCM | 1000 MCM | 1/0 STR | 300 MCM | 3.50 | 3.25 | 6.38 | 1/2 | 1/2 |
| UT100-50-AA | UUT100-50-AA | 750 MCM | 1000 MCM | 300 MCM | 500 MCM | 3.50 | 3.25 | 6.38 | 1/2 | 1/2 |
| UT100-90-AA | UUT100-90-AA | 750 MCM | 1000 MCM | 500 MCM | 900 MCM | 3.50 | 3.50 | 6.63 | 1/2 | 1/2 |
| UT100-100-AA | UUT100-100-AA | 750 MCM | 1000 MCM | 750 MCM | 1000 MCM | 3.50 | 3.50 | 6.63 | 1/2 | 1/2 |
| UT125-30-AA | UUT125-30-AA | 600 MCM | 1250 MCM | 1/0 STR | 300 MCM | 3.50 | 3.25 | 6.50 | 1/2 | 1/2 |
| UT125-50-AA | UUT125-50-AA | 600 MCM | 1250 MCM | 300 MCM | 500 MCM | 3.50 | 3.25 | 6.50 | 1/2 | 1/2 |
| UT125-90-AA | UUT125-90-AA | 600 MCM | 1250 MCM | 500 MCM | 900 MCM | 3.50 | 3.50 | 6.75 | 1/2 | 1/2 |
| UT125-100-AA | UUT125-100-AA | 600 MCM | 1250 MCM | 750 MCM | 1000 MCM | 3.50 | 3.50 | 6.75 | 1/2 | 1/2 |
| UT125-125-AA | UUT125-125-AA | 600 MCM | 1250 MCM | 600 MCM | 1250 MCM | 3.50 | 3.50 | 6.75 | 1/2 | 1/2 |
| UT150-30-AA | UUT150-30-AA | 1000 MCM | 1500 MCM | 1/0 STR | 300 MCM | 4.50 | 3.25 | 6.88 | 5/8 | 1/2 |
| UT150-50-AA | UUT150-50-AA | 1000 MCM | 1500 MCM | 300 MCM | 500 MCM | 4.50 | 3.25 | 6.88 | 5/8 | 1/2 |
| UT150-90-AA | UUT150-90-AA | 1000 MCM | 1500 MCM | 500 MCM | 900 MCM | 4.50 | 3.50 | 7.13 | 5/8 | 1/2 |
| UT150-100-AA | UUT150-100-AA | 1000 MCM | 1500 MCM | 750 MCM | 1000 MCM | 4.50 | 3.50 | 7.13 | 5/8 | 1/2 |
| UT150-150-AA | UUT150-150-AA | 1000 MCM | 1500 MCM | 1000 MCM | 1500 MCM | 4.50 | 4.50 | 8.00 | 5/8 | 5/8 |
| UT200-30-AA | UUT200-30-AA | 1500 MCM | 2000 MCM | 1/0 STR | 300 MCM | 4.50 | 3.25 | 7.06 | 5/8 | 1/2 |
| UT200-50-AA | UUT200-50-AA | 1500 MCM | 2000 MCM | 300 MCM | 500 MCM | 4.50 | 3.25 | 7.06 | 5/8 | 1/2 |
| UT200-90-AA | UUT200-90-AA | 1500 MCM | 2000 MCM | 500 MCM | 900 MCM | 4.50 | 3.50 | 7.31 | 5/8 | 1/2 |
| UT200-100-AA | UUT200-100-AA | 1500 MCM | 2000 MCM | 750 MCM | 1000 MCM | 4.50 | 3.50 | 7.31 | 5/8 | 1/2 |
| UT200-150-AA | UUT200-150-AA | 1500 MCM | 2000 MCM | 1000 MCM | 1500 MCM | 4.50 | 4.50 | 8.31 | 5/8 | 5/8 |
| UT200-200-AA | UUT200-200-AA | 1500 MCM | 2000 MCM | 1500 MCM | 2000 MCM | 4.50 | 4.50 | 8.31 | 5/8 | 5/8 |
| UT250-30-AA | UUT250-30-AA | 2000 MCM | 2500 MCM | 1/0 STR | 300 MCM | 4.50 | 3.25 | 7.56 | 5/8 | 1/2 |
| UT250-50-AA | UUT250-50-AA | 2000 MCM | 2500 MCM | 300 MCM | 500 MCM | 4.50 | 3.25 | 7.31 | 5/8 | 1/2 |
| UT250-90-AA | UUT250-90-AA | 2000 MCM | 2500 MCM | 500 MCM | 900 MCM | 4.50 | 3.50 | 7.56 | 5/8 | 1/2 |
| UT250-100-AA | UUT250-100-AA | 2000 MCM | 2500 MCM | 750 MCM | 1000 MCM | 4.50 | 3.50 | 7.56 | 5/8 | 1/2 |
| UT250-150-AA | UUT250-150-AA | 2000 MCM | 2500 MCM | 1000 MCM | 1500 MCM | 4.50 | 4.50 | 8.56 | 5/8 | 5/8 |
| UT250-200-AA | UUT250-200-AA | 2000 MCM | 2500 MCM | 1500 MCM | 2000 MCM | 4.50 | 4.50 | 8.56 | 5/8 | 5/8 |
| UT250-250-AA | UUT250-250-AA | 2000 MCM | 2500 MCM | 2000 MCM | 2500 MCM | 4.50 | 4.50 | 8.56 | 5/8 | 5/8 |

*continued*



© 2011, AFL, all rights reserved. PP-3-00532. Revision 3, 7.11.19
Specifications are subject to change without notice.

# DOSSERT®

## TYPE UT-AA, UUT-AA

U-bolt Tee Connector

## Ordering Information

| ACSR CONDUCTOR | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CATALOG NUMBER | | CABLE RANGE | | | | DIMENSION IN INCHES | | | | |
| UT-AA | UUT-AA | RUN | | TAP | | B | C | L | U-BOLT | |
| | | MIN | MAX | MIN | MAX | | | | RUN | TAP |
| UT13-13-AA | UUT13-13-AA | 6 (6/1) | 2/0 (6/1) | 6 (6/1) | 2/0 (6/1) | 3.00 | 3.00 | 5.38 | 1/2 | 1/2 |
| UT21-13-AA | UUT21-13-AA | 1 (6/1) | 3/0 (6/1) | 6 (6/1) | 2/0 (6/1) | 3.00 | 3.00 | 5.50 | 1/2 | 1/2 |
| UT21-21-AA | UUT21-21-AA | 1 (6/1) | 3/0 (6/1) | 1 (6/1) | 3/0 (6/1) | 3.00 | 3.00 | 5.50 | 1/2 | 1/2 |
| UT30-13-AA | UUT30-13-AA | 1/0 (6/1) | 266.8 (18/1) | 6 (6/1) | 2/0 (6/1) | 3.25 | 3.00 | 5.63 | 1/2 | 1/2 |
| UT30-21-AA | UUT30-21-AA | 1/0 (6/1) | 266.8 (18/1) | 1 (6/1) | 3/0 (6/1) | 3.25 | 3.00 | 5.63 | 1/2 | 1/2 |
| UT30-30-AA | UUT30-30-AA | 1/0 (6/1) | 266.8 (18/1) | 1/0 (6/1) | 266.8 (18/1) | 3.25 | 3.25 | 5.88 | 1/2 | 1/2 |
| UT50-13-AA | UUT50-13-AA | 266.8 (6/7) | 477 (18/1) | 6 (6/1) | 2/0 (6/1) | 3.25 | 3.00 | 5.75 | 1/2 | 1/2 |
| UT50-21-AA | UUT50-21-AA | 266.8 (6/7) | 477 (18/1) | 1 (6/1) | 3/0 (6/1) | 3.25 | 3.00 | 5.75 | 1/2 | 1/2 |
| UT50-30-AA | UUT50-30-AA | 266.8 (6/7) | 477 (18/1) | 1/0 (6/1) | 266.8 (18/1) | 3.25 | 3.25 | 6.00 | 1/2 | 1/2 |
| UT50-50-AA | UUT50-50-AA | 266.8 (6/7) | 477 (18/1) | 266.8 (6/7) | 477 (18/1) | 3.25 | 3.25 | 6.00 | 1/2 | 1/2 |
| UT90-13-AA | UUT90-13-AA | 477 (18/1) | 795 (54/7) | 6 (6/1) | 2/0 (6/1) | 3.50 | 3.00 | 6.06 | 1/2 | 1/2 |
| UT90-21-AA | UUT90-21-AA | 477 (18/1) | 795 (54/7) | 1 (6/1) | 3/0 (6/1) | 3.50 | 3.00 | 6.06 | 1/2 | 1/2 |
| UT90-30-AA | UUT90-30-AA | 477 (18/1) | 795 (54/7) | 1/0 (6/1) | 266.8 (18/1) | 3.50 | 3.25 | 6.31 | 1/2 | 1/2 |
| UT90-50-AA | UUT90-50-AA | 477 (18/1) | 795 (54/7) | 266.8 (6/7) | 477 (18/1) | 3.50 | 3.25 | 6.31 | 1/2 | 1/2 |
| UT90-90-AA | UUT90-90-AA | 477 (18/1) | 795 (54/7) | 477 (18/1) | 795 (54/7) | 3.50 | 3.50 | 6.56 | 1/2 | 1/2 |
| UT100-30-AA | UUT100-30-AA | 636 (30/19) | 900 (45/7) | 1/0 (6/1) | 266.8 (18/1) | 3.50 | 3.25 | 6.38 | 1/2 | 1/2 |
| UT100-50-AA | UUT100-50-AA | 636 (30/19) | 900 (45/7) | 266.8 (6/7) | 477 (18/1) | 3.50 | 3.25 | 6.38 | 1/2 | 1/2 |
| UT100-90-AA | UUT100-90-AA | 636 (30/19) | 900 (45/7) | 477 (18/1) | 795 (54/7) | 3.50 | 3.50 | 6.63 | 1/2 | 1/2 |
| UT100-100-AA | UUT100-100-AA | 636 (30/19) | 900 (45/7) | 636 (30/19) | 900 (45/7) | 3.50 | 3.50 | 6.63 | 1/2 | 1/2 |
| UT125-30-AA | UUT125-30-AA | 636 (36/1) | 1113 (54/19) | 1/0 (6/1) | 266.8 (18/1) | 3.50 | 3.25 | 6.50 | 1/2 | 1/2 |
| UT125-50-AA | UUT125-50-AA | 636 (36/1) | 1113 (54/19) | 266.8 (6/7) | 477 (18/1) | 3.50 | 3.25 | 6.50 | 1/2 | 1/2 |
| UT125-90-AA | UUT125-90-AA | 636 (36/1) | 1113 (54/19) | 477 (18/1) | 795 (54/7) | 3.50 | 3.50 | 6.75 | 1/2 | 1/2 |
| UT125-100-AA | UUT125-100-AA | 636 (36/1) | 1113 (54/19) | 636 (30/19) | 900 (45/7) | 3.50 | 3.50 | 6.75 | 1/2 | 1/2 |
| UT125-125-AA | UUT125-125-AA | 636 (36/1) | 1113 (54/19) | 636 (36/1) | 1113 (54/19) | 3.50 | 3.50 | 6.75 | 1/2 | 1/2 |
| UT150-30-AA | UUT150-30-AA | 954 (45/7) | 1351.5 (45/7) | 1/0 (6/1) | 266.8 (18/1) | 4.50 | 3.25 | 6.88 | 5/8 | 1/2 |
| UT150-50-AA | UUT150-50-AA | 954 (45/7) | 1351.5 (45/7) | 266.8 (6/7) | 477 (18/1) | 4.50 | 3.25 | 6.88 | 5/8 | 1/2 |
| UT150-90-AA | UUT150-90-AA | 954 (45/7) | 1351.5 (45/7) | 477 (18/1) | 795 (54/7) | 4.50 | 3.50 | 7.13 | 5/8 | 1/2 |
| UT150-100-AA | UUT150-100-AA | 954 (45/7) | 1351.5 (45/7) | 636 (30/19) | 900 (45/7) | 4.50 | 3.50 | 7.13 | 5/8 | 1/2 |
| UT150-150-AA | UUT150-150-AA | 954 (45/7) | 1351.5 (45/7) | 954 (45/7) | 1351.5 (45/7) | 4.50 | 4.50 | 8.00 | 5/8 | 5/8 |
| UT200-30-AA | UUT200-30-AA | 1351.3 (45/7) | 1780 (84/19) | 1/0 (6/1) | 266.8 (18/1) | 4.50 | 3.25 | 7.06 | 5/8 | 1/2 |
| UT200-50-AA | UUT200-50-AA | 1351.3 (45/7) | 1780 (84/19) | 266.8 (6/7) | 477 (18/1) | 4.50 | 3.25 | 7.06 | 5/8 | 1/2 |
| UT200-90-AA | UUT200-90-AA | 1351.3 (45/7) | 1780 (84/19) | 477 (18/1) | 795 (54/7) | 4.50 | 3.50 | 7.31 | 5/8 | 1/2 |
| UT200-100-AA | UUT200-100-AA | 1351.3 (45/7) | 1780 (84/19) | 636 (30/19) | 900 (45/7) | 4.50 | 3.50 | 7.31 | 5/8 | 1/2 |
| UT200-150-AA | UUT200-150-AA | 1351.3 (45/7) | 1780 (84/19) | 954 (45/7) | 1351.5 (45/7) | 4.50 | 4.50 | 8.31 | 5/8 | 5/8 |
| UT200-200-AA | UUT200-200-AA | 1351.3 (45/7) | 1780 (84/19) | 1351.3 (45/7) | 1780 (84/19) | 4.50 | 4.50 | 8.31 | 5/8 | 5/8 |
| UT250-30-AA | UUT250-30-AA | 2034 (72/7) | 2312 (76/19) | 1/0 (6/1) | 266.8 (18/1) | 4.50 | 3.25 | 7.56 | 5/8 | 1/2 |
| UT250-50-AA | UUT250-50-AA | 2034 (72/7) | 2312 (76/19) | 266.8 (6/7) | 477 (18/1) | 4.50 | 3.25 | 7.31 | 5/8 | 1/2 |
| UT250-90-AA | UUT250-90-AA | 2034 (72/7) | 2312 (76/19) | 477 (18/1) | 795 (54/7) | 4.50 | 3.50 | 7.56 | 5/8 | 1/2 |
| UT250-100-AA | UUT250-100-AA | 2034 (72/7) | 2312 (76/19) | 636 (30/19) | 900 (45/7) | 4.50 | 3.50 | 7.56 | 5/8 | 1/2 |
| UT250-150-AA | UUT250-150-AA | 2034 (72/7) | 2312 (76/19) | 954 (45/7) | 1351.5 (45/7) | 4.50 | 4.50 | 8.56 | 5/8 | 5/8 |
| UT250-200-AA | UUT250-200-AA | 2034 (72/7) | 2312 (76/19) | 1351.3 (45/7) | 1780 (84/19) | 4.50 | 4.50 | 8.56 | 5/8 | 5/8 |
| UT250-250-AA | UUT250-250-AA | 2034 (72/7) | 2312 (76/19) | 2034 (72/7) | 2312 (76/19 | 4.50 | 4.50 | 8.56 | 5/8 | 5/8 |

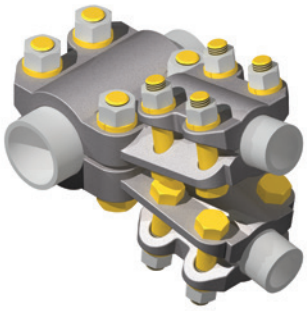


© 2011, AFL, all rights reserved. PP-3-00532. Revision 3, 7.11.19
Specifications are subject to change without notice.

# DOSSERT®

## TYPE VBP-20-AA, VBP-30-AA

**20 Degree and 30 Degree Vee Connection**



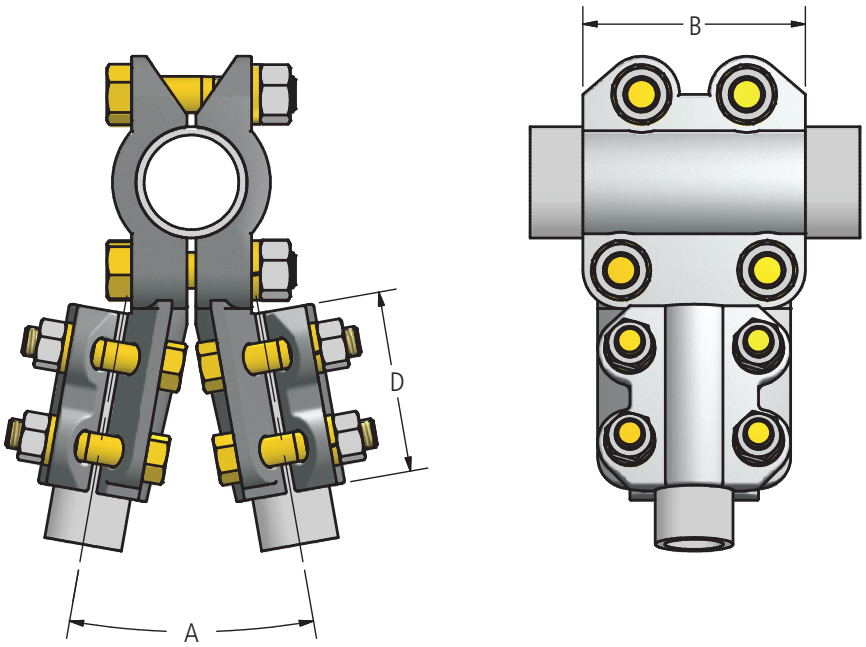
A-frame connectors are designed to make fast, reliable A-frame assemblies. Connectors can be used on Schedule 40 and Schedule 80 pipe.

### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, and lockwashers.




## Ordering Information

| CATALOG NUMBER | | SPS | | DIMENSIONS IN INCHES | | BOLT SIZE |
|---|---|---|---|---|---|---|
| A = 20 DEGREE | A = 30 DEGREE | RUN | TAP | B | D | |
| VBP100-75-20-AA | VBP100-75-30-AA | 1 | 3/4 | 2 3/4 | 2 3/4 | 1/2 |
| VBP100-100-20-AA | VBP100-100-30-AA | 1 | 1 | 2 3/4 | 2 3/4 | 1/2 |
| VBP125-75-20-AA | VBP125-75-30-AA | 1-1/4 | 3/4 | 3 | 2 3/4 | 1/2 |
| VBP125-100-20-AA | VBP125-100-30-AA | 1-1/4 | 1 | 3 | 2 3/4 | 1/2 |
| VBP150-100-20-AA | VBP150-100-30-AA | 1-1/2 | 1 | 3 | 2 3/4 | 1/2 |
| VBP150-125-20-AA | VBP150-125-30-AA | 1-1/2 | 1-1/4 | 3 | 3 | 1/2 |
| VBP150-150-20-AA | VBP150-150-30-AA | 1-1/2 | 1-1/2 | 3 | 3 | 1/2 |
| VBP200-100-20-AA | VBP200-100-30-AA | 2 | 1 | 3 1/4 | 2 3/4 | 1/2 |
| VBP200-125-20-AA | VBP200-125-30-AA | 2 | 1-1/4 | 3 1/4 | 3 | 1/2 |
| VBP200-150-20-AA | VBP200-150-30-AA | 2 | 1-1/2 | 3 1/4 | 3 | 1/2 |
| VBP200-200-20-AA | VBP200-200-30-AA | 2 | 2 | 3 1/4 | 3 1/4 | 1/2 |
| VBP250-100-20-AA | VBP250-100-30-AA | 2-1/2 | 1 | 3 1/4 | 2 3/4 | 1/2 |
| VBP250-125-20-AA | VBP250-125-30-AA | 2-1/2 | 1-1/4 | 3 1/4 | 3 | 1/2 |
| VBP250-150-20-AA | VBP250-150-30-AA | 2-1/2 | 1-1/2 | 3 1/4 | 3 | 1/2 |
| VBP250-200-20-AA | VBP250-200-30-AA | 2-1/2 | 2 | 3 1/4 | 3 1/4 | 1/2 |



© 2011, AFL, all rights reserved. PP-3-00517, Revision 3, 6.15.2023
Specifications are subject to change without notice.

DOSSERT®

# TYPE VBP-20-AA, VBP-30-AA

**20 Degree and 30 Degree Vee Connection**

## Ordering Information

| CATALOG NUMBER | | SPS | | DIMENSIONS IN INCHES | | BOLT SIZE |
|---|---|---|---|---|---|---|
| A = 20 DEGREE | A = 30 DEGREE | RUN | TAP | B | D | |
| VBP250-250-20-AA | VBP250-250-30-AA | 2 1/2 | 2 1/2 | 3 1/4 | 3 1/4 | 1/2 |
| VBP300-100-20-AA | VBP300-100-30-AA | 3 | 1 | 3 1/4 | 2 3/4 | 1/2 |
| VBP300-125-20-AA | VBP300-125-30-AA | 3 | 1 1/4 | 3 1/4 | 3 | 1/2 |
| VBP300-150-20-AA | VBP300-150-30-AA | 3 | 1 1/2 | 3 1/4 | 3 | 1/2 |
| VBP300-200-20-AA | VBP300-200-30-AA | 3 | 2 | 3 1/4 | 3 1/4 | 1/2 |
| VBP300-250-20-AA | VBP300-250-30-AA | 3 | 2 1/2 | 3 1/4 | 3 1/4 | 1/2 |
| VBP300-300-20-AA | VBP300-300-30-AA | 3 | 3 | 3 3/4 | 3 3/4 | 5/8 |
| VBP350-100-20-AA | VBP350-100-30-AA | 3 1/2 | 1 | 3 1/4 | 2 3/4 | 1/2 |
| VBP350-125-20-AA | VBP350-125-30-AA | 3 1/2 | 1 1/4 | 3 1/4 | 3 | 1/2 |
| VBP350-150-20-AA | VBP350-150-30-AA | 3 1/2 | 1 1/2 | 3 1/4 | 3 | 1/2 |
| VBP350-200-20-AA | VBP350-200-30-AA | 3 1/2 | 2 | 3 1/4 | 3 1/4 | 1/2 |
| VBP350-250-20-AA | VBP350-250-30-AA | 3 1/2 | 2 1/2 | 3 1/2 | 3 1/4 | 1/2 |
| VBP350-300-20-AA | VBP350-300-30-AA | 3 1/2 | 3 | 3 3/4 | 3 3/4 | 5/8 |
| VBP400-125-20-AA | VBP400-125-30-AA | 4 | 1 1/4 | 3 1/4 | 3 | 1/2 |
| VBP400-150-20-AA | VBP400-150-30-AA | 4 | 1 1/2 | 3 1/4 | 3 | 1/2 |
| VBP400-200-20-AA | VBP400-200-30-AA | 4 | 2 | 3 1/4 | 3 1/4 | 1/2 |
| VBP400-250-20-AA | VBP400-250-30-AA | 4 | 2 1/2 | 3 1/4 | 3 1/4 | 1/2 |
| VBP400-300-20-AA | VBP400-300-30-AA | 4 | 3 | 3 3/4 | 3 3/4 | 5/8 |
| VBP400-400-20-AA | VBP400-400-30-AA | 4 | 4 | 3 3/4 | 3 3/4 | 5/8 |
| VBP500-150-20-AA | VBP500-150-30-AA | 5 | 1 1/2 | 3 1/2 | 3 | 1/2 |
| VBP500-200-20-AA | VBP500-200-30-AA | 5 | 2 | 3 1/2 | 3 1/4 | 1/2 |
| VBP500-250-20-AA | VBP500-250-30-AA | 5 | 2 1/2 | 3 1/2 | 3 1/4 | 1/2 |
| VBP500-300-20-AA | VBP500-300-30-AA | 5 | 3 | 3 3/4 | 3 3/4 | 5/8 |
| VBP600-300-20-AA | VBP600-300-30-AA | 6 | 3 | 4 | 3 3/4 | 5/8 |
| VBP600-350-20-AA | VBP600-350-30-AA | 6 | 3 1/2 | 4 | 3 3/4 | 5/8 |
| VBP600-400-20-AA | VBP600-400-30-AA | 6 | 4 | 4 | 3 3/4 | 5/8 |



© 2011, AFL, all rights reserved. PP-3-00517, Revision 3, 6.15.2023
Specifications are subject to change without notice.

# 230 kV Aluminum Bolted Tee & Vee Connectors

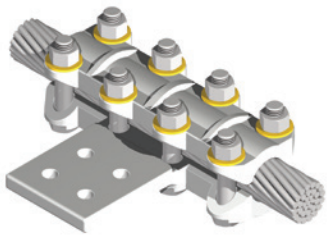


## DOSSERT®

## TYPE CFTL-AA

### Cable to Flat Bar Tee Connector

Tee tap is designed to provide terminal connections on side of a cable. Eight clamp bolts insure positive electrical contact. Pad conforms to NEMA standards.

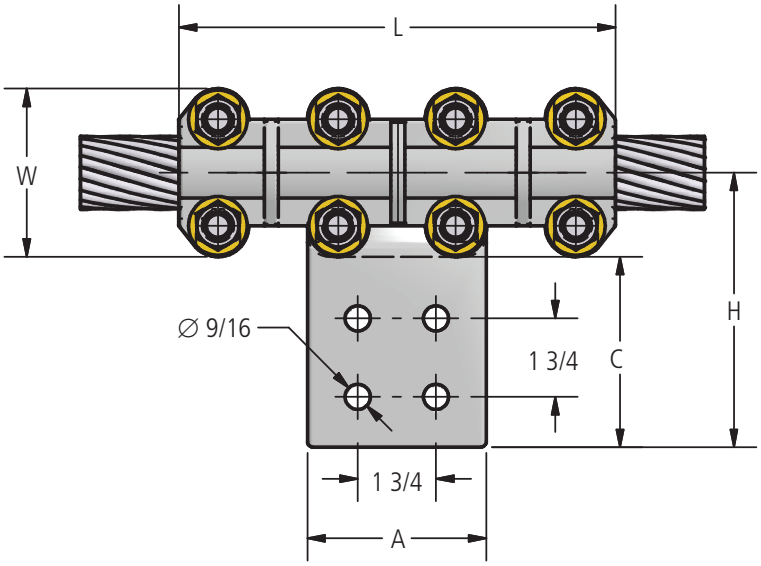


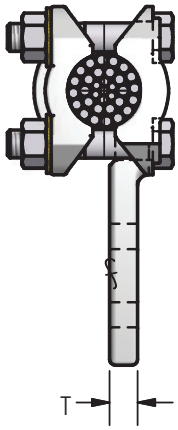
### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, and lockwashers.



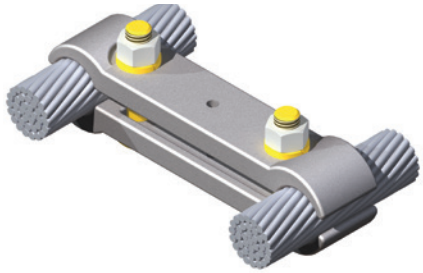

## Ordering Information

| CATALOG NUMBER | CABLE RANGE | | | | DIMENSIONS IN INCHES | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | AAC | | ACSR | | | | | | | | |
| | MIN | MAX | MIN | MAX | A | C | H | L | T | W | BOLT SIZE |
| CFTL20A-4N-AA | 250 | 336.4 | 4/0 | 203.2 | 3 | 3 | 4-1/2 | 6 | 3/8 | 2-15/32 | 1/2 |
| CFTL34A-4N-AA | 350 | 400 | 203.2 | 336.4 | 3 | 3 | 4-1/2 | 6 | 3/8 | 2-5/8 | 1/2 |
| CFTL60-4N-AA | 350 | 600 | 336.4 | 477 | 3 | 3 | 4-3/8 | 6-3/4 | 1/2 | 2-3/4 | 1/2 |
| CFTL60-4N4-AA | 350 | 600 | 336.4 | 477 | 4 | 4 | 5-3/8 | 6-3/4 | 1/2 | 2-3/4 | 1/2 |
| CFTL64A-4N4-AA | 700 | 900 | 605 | 666.6 | 4 | 4 | 5-5/8 | 8 | 1/2 | 2-3/4 | 1/2 |
| CFTL135-4N4-AA | 1192.5 | 1351.5 | 1033.5 | 1192.5 | 4 | 4 | 5-13/16 | 10 | 5/8 | 3-3/32 | 1/2 |
| CFTL200-4N4-AA | 1700 | 2000 | 1510.5 | 1590 | 4 | 4 | 6-1/8 | 10 | 5/8 | 3-3/4 | 5/8 |
| CFTL250-4N4-AA | 2000 | 2500 | 1780 | 2156 | 4 | 4 | 6-1/4 | 10 | 3/4 | 3-15/16 | 5/8 |
| CFTL300-4N4-AA | 2500 | 3000 | 2156 | 2870 | 4 | 4 | 6-5/16 | 10 | 3/4 | 4-1/8 | 5/8 |



© 2011, AFL, all rights reserved. PP-3-00281, Revision 1, 10.10.17
Specifications are subject to change without notice.

# DOSSERT®
## TYPE CASV-AA
### Cable Spacer Clamp



A high strength, high conductivity aluminum cable spacer, the CASV-AA includes clamping hardware made of high-tensile aluminum for dependability and durability in the field.



### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum nuts, bolts and lockwashers.

### Notes

1. Different sizes not listed can be ordered by contacting customer service.

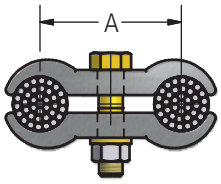



FIG. 1

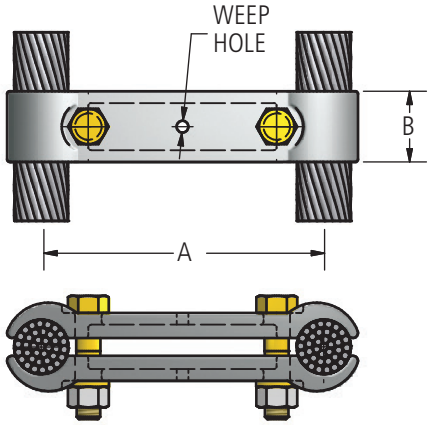



FIG. 2

## Ordering Information

| CATALOG NUMBER | ALUMINUM CABLE RANGE | | ACSR CABLE RANGE | | FIG. NO. | DIMENSIONS IN INCHES | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|
| | MIN | MAX | MIN | MAX | | A | B | |
| CASV40-8-AA | 250 MCM | 400 MCM | 4/0 | 397.5 | 2 | 8 | 1 1/2 | 1/2 |
| CASV60-3-AA | 350 MCM | 600 MCM | 336.4 MCM | 477 MCM | 1 | 3 | 1 1/2 | 1/2 |
| CASV60-4-AA | 350 MCM | 600 MCM | 336.4 MCM | 477 MCM | 1 | 4 | 1 1/2 | 1/2 |
| CASV60-6-AA | 350 MCM | 600 MCM | 336.4 MCM | 477 MCM | 2 | 6 | 1 1/2 | 1/2 |
| CASV60-8-AA | 350 MCM | 600 MCM | 336.4 MCM | 477 MCM | 2 | 8 | 1 1/2 | 1/2 |
| CASV60-12-AA | 350 MCM | 600 MCM | 336.4 MCM | 477 MCM | 2 | 12 | 1 1/2 | 1/2 |
| CASV60-13-AA | 350 MCM | 600 MCM | 336.4 MCM | 477 MCM | 2 | 13 | 1 1/2 | 1/2 |
| CASV60-14-AA | 350 MCM | 600 MCM | 336.4 MCM | 477 MCM | 2 | 14 | 1 1/2 | 1/2 |
| CASV60-16-AA | 350 MCM | 600 MCM | 336.4 MCM | 477 MCM | 2 | 16 | 1 1/2 | 1/2 |
| CASV60-18-AA | 350 MCM | 600 MCM | 336.4 MCM | 477 MCM | 2 | 18 | 1 1/2 | 1/2 |
| CASV90-3-AA | 500 MCM | 900 MCM | 477 MCM | 795 MCM | 1 | 3 | 1 1/2 | 1/2 |
| CASV90-4-AA | 500 MCM | 900 MCM | 477 MCM | 795 MCM | 1 | 4 | 1 1/2 | 1/2 |
| CASV90-6-AA | 500 MCM | 900 MCM | 477 MCM | 795 MCM | 2 | 6 | 1 1/2 | 1/2 |
| CASV90-8-AA | 500 MCM | 900 MCM | 477 MCM | 795 MCM | 2 | 8 | 1 1/2 | 1/2 |
| CASV90-9-1/2-AA | 500 MCM | 900 MCM | 477 MCM | 795 MCM | 2 | 9 1/2 | 1 1/2 | 1/2 |
| CASV90-12-AA | 500 MCM | 900 MCM | 477 MCM | 795 MCM | 2 | 12 | 1 1/2 | 1/2 |
| CASV90-14-AA | 500 MCM | 900 MCM | 477 MCM | 795 MCM | 2 | 14 | 1 1/2 | 1/2 |
| CASV90-16-AA | 500 MCM | 900 MCM | 477 MCM | 795 MCM | 2 | 16 | 1 1/2 | 1/2 |
| CASV90-18-AA | 500 MCM | 900 MCM | 477 MCM | 795 MCM | 2 | 18 | 1 1/2 | 1/2 |



© 2011, AFL, all rights reserved. PP-3-00270, Revision 0, 1.12.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE CASV-AA

### Cable Spacer Clamp

## Ordering Information

| CATALOG NUMBER | ALUMINUM CABLE RANGE | | ACSR CABLE RANGE | | FIG. NO. | DIMENSIONS IN INCHES | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|
| | MIN | MAX | MIN | MAX | | A | B | |
| CASV125-3-AA | 900 MCM | 1250 MCM | 715.5 MCM | 1113 MCM | 1 | 3 | 1 1/2 | 1/2 |
| CASV125-4-AA | 900 MCM | 1250 MCM | 715.5 MCM | 1113 MCM | 1 | 4 | 1 1/2 | 1/2 |
| CASV125-6-AA | 900 MCM | 1250 MCM | 715.5 MCM | 1113 MCM | 2 | 6 | 1 1/2 | 1/2 |
| CASV125-6-1/2-AA | 900 MCM | 1250 MCM | 715.5 MCM | 1113 MCM | 2 | 6 1/2 | 1 1/2 | 1/2 |
| CASV125-8-AA | 900 MCM | 1250 MCM | 715.5 MCM | 1113 MCM | 2 | 8 | 1 1/2 | 1/2 |
| CASV125-12-AA | 900 MCM | 1250 MCM | 715.5 MCM | 1113 MCM | 2 | 12 | 1 1/2 | 1/2 |
| CASV125-13-AA | 900 MCM | 1250 MCM | 715.5 MCM | 1113 MCM | 2 | 13 | 1 1/2 | 1/2 |
| CASV125-14-AA | 900 MCM | 1250 MCM | 715.5 MCM | 1113 MCM | 2 | 14 | 1 1/2 | 1/2 |
| CASV125-16-AA | 900 MCM | 1250 MCM | 715.5 MCM | 1113 MCM | 2 | 16 | 1 1/2 | 1/2 |
| CASV125-18-AA | 900 MCM | 1250 MCM | 715.5 MCM | 1113 MCM | 2 | 18 | 2 1/8 | 5/8 |
| CASV160-3-AA | 1250 MCM | 1600 MCM | 1113 MCM | 1431 MCM | 1 | 3 | 2 1/8 | 5/8 |
| CASV160-4-AA | 1250 MCM | 1600 MCM | 1113 MCM | 1431 MCM | 1 | 4 | 2 1/8 | 5/8 |
| CASV160-6-AA | 1250 MCM | 1600 MCM | 1113 MCM | 1431 MCM | 2 | 6 | 2 1/8 | 5/8 |
| CASV160-8-AA | 1250 MCM | 1600 MCM | 1113 MCM | 1431 MCM | 2 | 8 | 2 1/8 | 5/8 |
| CASV160-12-AA | 1250 MCM | 1600 MCM | 1113 MCM | 1431 MCM | 2 | 12 | 2 1/8 | 5/8 |
| CASV160-14-AA | 1250 MCM | 1600 MCM | 1113 MCM | 1431 MCM | 2 | 14 | 2 1/8 | 5/8 |
| CASV160-16-AA | 1250 MCM | 1600 MCM | 1113 MCM | 1431 MCM | 2 | 16 | 2 1/8 | 5/8 |
| CASV160-18-AA | 1250 MCM | 1600 MCM | 1113 MCM | 1431 MCM | 2 | 18 | 2 1/8 | 5/8 |
| CASV200-3-AA | 1500 MCM | 2000 MCM | 1272 MCM | 1780 MCM | 1 | 3 | 2 1/8 | 5/8 |
| CASV200-4-AA | 1500 MCM | 2000 MCM | 1272 MCM | 1780 MCM | 2 | 4 | 2 1/8 | 5/8 |
| CASV200-5-AA | 1500 MCM | 2000 MCM | 1272 MCM | 1780 MCM | 2 | 5 | 2 1/8 | 5/8 |
| CASV200-6-AA | 1500 MCM | 2000 MCM | 1272 MCM | 1780 MCM | 2 | 6 | 2 1/8 | 5/8 |
| CASV200-8-AA | 1500 MCM | 2000 MCM | 1272 MCM | 1780 MCM | 2 | 8 | 2 1/8 | 5/8 |
| CASV200-12-AA | 1500 MCM | 2000 MCM | 1272 MCM | 1780 MCM | 2 | 12 | 2 1/8 | 5/8 |
| CASV200-14-AA | 1500 MCM | 2000 MCM | 1272 MCM | 1780 MCM | 2 | 14 | 2 1/8 | 5/8 |
| CASV200-15-AA | 1500 MCM | 2000 MCM | 1272 MCM | 1780 MCM | 2 | 15 | 2 1/8 | 5/8 |
| CASV200-16-AA | 1500 MCM | 2000 MCM | 1272 MCM | 1780 MCM | 2 | 16 | 2 1/8 | 5/8 |
| CASV200-18-AA | 1500 MCM | 2000 MCM | 1272 MCM | 1780 MCM | 2 | 18 | 2 1/8 | 5/8 |
| CASV250-3-AA | 2000 MCM | 2500 MCM | 1780 MCM | 2312 MCM | 1 | 3 | 2 1/8 | 5/8 |
| CASV250-4-AA | 2000 MCM | 2500 MCM | 1780 MCM | 2312 MCM | 1 | 4 | 2 1/8 | 5/8 |
| CASV250-6-AA | 2000 MCM | 2500 MCM | 1780 MCM | 2312 MCM | 2 | 6 | 2 1/8 | 5/8 |
| CASV250-8-AA | 2000 MCM | 2500 MCM | 1780 MCM | 2312 MCM | 2 | 8 | 2 1/8 | 5/8 |
| CASV250-12-AA | 2000 MCM | 2500 MCM | 1780 MCM | 2312 MCM | 2 | 12 | 2 1/8 | 5/8 |
| CASV250-14-AA | 2000 MCM | 2500 MCM | 1780 MCM | 2312 MCM | 2 | 14 | 2 1/8 | 5/8 |
| CASV250-16-AA | 2000 MCM | 2500 MCM | 1780 MCM | 2312 MCM | 2 | 16 | 2 1/8 | 5/8 |
| CASV250-18-AA | 2000 MCM | 2500 MCM | 1780 MCM | 2312 MCM | 2 | 18 | 2 1/8 | 5/8 |
| CASV300-8-AA | 2500 MCM | 3000 MCM | 2300 MCM | 2870 MCM | 2 | 8 | 2 1/8 | 5/8 |
| CASV300-12-AA | 2500 MCM | 3000 MCM | 2300 MCM | 2870 MCM | 2 | 12 | 2 1/8 | 5/8 |
| CASV300-14-AA | 2500 MCM | 3000 MCM | 2300 MCM | 2870 MCM | 2 | 14 | 2 1/8 | 5/8 |



© 2011, AFL, all rights reserved. PP-3-00270, Revision 0, 1.12.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE CASV-N-AA, CASV-N-90-AA

**Cable Spacer Clamp with Terminal Pad**

### Material

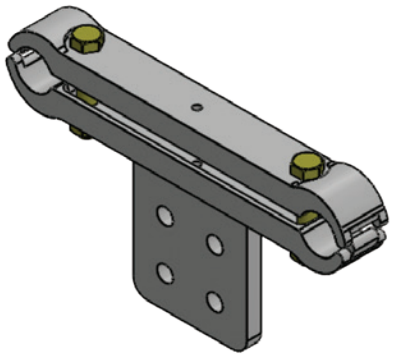
Aluminum Alloy

### Hardware

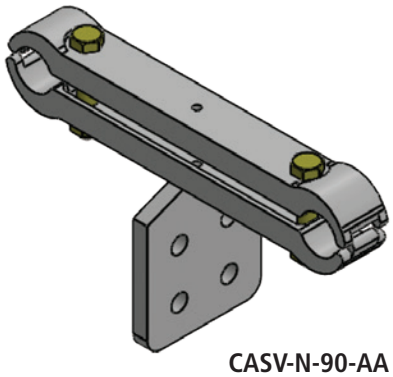
Yellow anodized aluminum nuts, bolts and lockwashers.

### Notes

For a 90° angle, add -90 Ex: CASV125-6-4N4-90-AA



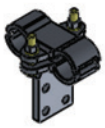
CASV-N-AA



CASV-N-90-AA

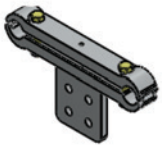


CASV-N-AA

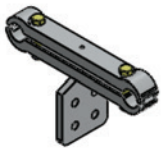


CASV-N-90-AA

FIG. 1

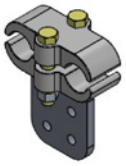


CASV-N-AA



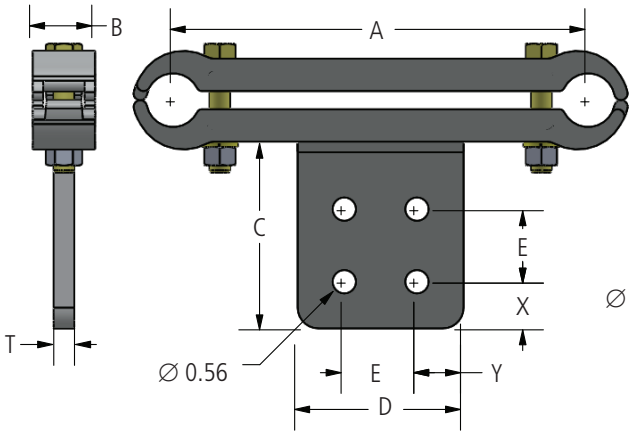
CASV-N-90-AA

FIG. 2

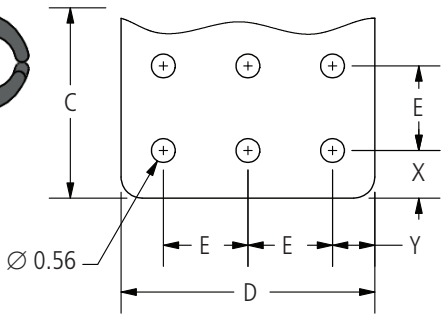


CASV-N-AA

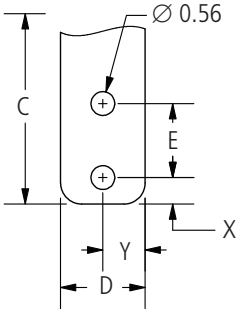
FIG. 3




DETAIL 1




DETAIL 2




DETAIL 3

*continued*



© 2011, AFL, all rights reserved. PP-3-00272, Revision 11, 10.17.2022
Specifications are subject to change without notice.

# DOSSERT®

## TYPE CASV-N-AA, CASV-N-90-AA

### Cable Spacer Clamp with Terminal Pad

## Ordering Information

| CATALOG NUMBER | | CABLE RANGE | | | | FIG. NO. | PAD DETAIL | DIMENSIONS IN INCHES | | | | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AAC | | ACSR | | | | | | | | | | | | |
| CASV-N-AA | CASV-N-90-AA | MIN | MAX | MIN | MAX | | | A | B | C | D | E | T | X | Y | |
| CASV40-8-4N-AA | CASV40-8-4N-90-AA | 250 MCM | 400 MCM | 4/0 | 397.5 | 2 | 1 | 8.00 | 1.50 | 4.25 | 3.00 | 1.75 | 0.50 | 0.63 | 0.63 | 1/2 |
| CASV60-4-2N-AA | CASV60-4-2N-90-AA | 350 MCM | 600 MCM | 336.4 MCM | 477 MCM | 1 | 3 | 4.00 | 1.50 | 4.25 | 2.00 | 1.75 | 0.50 | 0.63 | 1.00 | 1/2 |
| CASV60-4-4N-AA | CASV60-4-4N-90-AA | 350 MCM | 600 MCM | 336.4 MCM | 477 MCM | 1 | 1 | 4.00 | 1.50 | 4.25 | 3.00 | 1.75 | 0.50 | 0.63 | 0.63 | 1/2 |
| CASV60-4-4N4-AA | CASV60-4-4N4-90-AA | 350 MCM | 600 MCM | 336.4 MCM | 477 MCM | 1 | 1 | 4.00 | 1.50 | 4.63 | 4.00 | 1.75 | 0.50 | 1.13 | 1.13 | 1/2 |
| CASV60-8-4N-AA | CASV60-8-4N-90-AA | 350 MCM | 600 MCM | 336.4 MCM | 477 MCM | 2 | 1 | 8.00 | 1.50 | 4.25 | 3.00 | 1.75 | 0.50 | 1.13 | 1.13 | 1/2 |
| CASV60-8-4N4-AA | CASV60-8-4N4-90-AA | 350 MCM | 600 MCM | 336.4 MCM | 477 MCM | 2 | 1 | 8.00 | 1.50 | 5.25 | 4.00 | 1.75 | 0.50 | 1.13 | 1.13 | 1/2 |
| CASV60-10-4N-AA | CASV60-10-4N-90-AA | 350 MCM | 600 MCM | 336.4 MCM | 477 MCM | 2 | 1 | 10.00 | 1.50 | 3.50 | 3.00 | 1.75 | 0.50 | 0.63 | 0.63 | 1/2 |
| CASV90-4-4N-AA | CASV90-4-4N-90-AA | 500 MCM | 900 MCM | 477 MCM | 795 MCM | 1 | 1 | 4.00 | 1.50 | 4.25 | 3.00 | 1.75 | 0.50 | 0.63 | 0.63 | 1/2 |
| CASV90-4-4N4-AA | CASV90-4-4N4-90-AA | 500 MCM | 900 MCM | 477 MCM | 795 MCM | 1 | 1 | 4.00 | 1.50 | 4.25 | 4.00 | 1.75 | 0.50 | 1.13 | 1.13 | 1/2 |
| CASV90-6-4N-AA | CASV90-6-4N-90-AA | 500 MCM | 900 MCM | 477 MCM | 795 MCM | 2 | 1 | 6.00 | 1.50 | 4.25 | 3.00 | 1.75 | 0.50 | 0.63 | 0.63 | 1/2 |
| CASV90-6-4N4-AA | CASV90-6-4N4-90-AA | 500 MCM | 900 MCM | 477 MCM | 795 MCM | 2 | 1 | 6.00 | 1.50 | 4.25 | 4.00 | 1.75 | 0.50 | 1.13 | 1.13 | 1/2 |
| CASV90-8-4N-AA | CASV90-8-4N-90-AA | 500 MCM | 900 MCM | 477 MCM | 795 MCM | 2 | 1 | 8.00 | 1.50 | 3.50 | 3.00 | 1.75 | 0.50 | 0.63 | 0.63 | 1/2 |
| CASV90-8-4N4-AA | CASV90-8-4N4-90-AA | 500 MCM | 900 MCM | 477 MCM | 795 MCM | 2 | 1 | 8.00 | 1.50 | 4.50 | 4.00 | 1.75 | 0.50 | 1.13 | 1.13 | 1/2 |
| CASV90-12-4N-AA | CASV90-12-4N-90-AA | 500 MCM | 900 MCM | 477 MCM | 795 MCM | 2 | 1 | 12.00 | 1.50 | 3.50 | 3.00 | 1.75 | 0.50 | 0.63 | 0.63 | 1/2 |
| CASV90-12-4N4-AA | CASV90-12-4N4-90-AA | 500 MCM | 900 MCM | 477 MCM | 795 MCM | 2 | 1 | 12.00 | 1.50 | 4.50 | 4.00 | 1.75 | 0.50 | 1.13 | 1.13 | 1/2 |
| CASV90-18-4N-AA | CASV90-18-4N-90-AA | 500 MCM | 900 MCM | 477 MCM | 795 MCM | 2 | 1 | 18.00 | 1.50 | 3.50 | 3.00 | 1.75 | 0.50 | 0.63 | 0.63 | 1/2 |
| CASV90-18-4N4-AA | CASV90-18-4N4-90-AA | 500 MCM | 900 MCM | 477 MCM | 795 MCM | 2 | 1 | 18.00 | 1.50 | 4.50 | 4.00 | 1.75 | 0.50 | 1.13 | 1.13 | 1/2 |
| CASV125-4-2N-AA | CASV125-4-2N-90-AA | 900 MCM | 1250 MCM | 715.5 MCM | 1113 MCM | 1 | 3 | 4.00 | 1.50 | 4.25 | 2.00 | 1.75 | 0.50 | 0.63 | 1.00 | 1/2 |
| CASV125-4-4N4-AA | CASV125-4-4N4-90-AA | 900 MCM | 1250 MCM | 715.5 MCM | 1113 MCM | 1 | 1 | 4.00 | 1.50 | 4.50 | 4.00 | 1.75 | 0.50 | 1.13 | 1.13 | 1/2 |
| CASV125-6-4N4-AA | CASV125-6-4N4-90-AA | 900 MCM | 1250 MCM | 715.5 MCM | 1113 MCM | 2 | 1 | 6.00 | 1.50 | 4.25 | 4.00 | 1.75 | 0.50 | 1.13 | 1.13 | 1/2 |
| CASV125-8-4N4-AA | CASV125-8-4N4-90-AA | 900 MCM | 1250 MCM | 715.5 MCM | 1113 MCM | 2 | 1 | 8.00 | 1.50 | 4.50 | 4.00 | 1.75 | 0.50 | 1.13 | 1.13 | 1/2 |
| CASV125-12-4N-AA | CASV125-12-4N-90-AA | 900 MCM | 1250 MCM | 715.5 MCM | 1113 MCM | 2 | 1 | 12.00 | 1.50 | 3.44 | 3.00 | 1.75 | 0.50 | 0.63 | 0.63 | 1/2 |
| CASV125-12-4N4-AA | CASV125-12-4N4-90-AA | 900 MCM | 1250 MCM | 715.5 MCM | 1113 MCM | 2 | 1 | 12.00 | 1.50 | 4.50 | 4.00 | 1.75 | 0.50 | 1.13 | 1.13 | 1/2 |
| CASV125-18-4N4-AA | CASV125-18-4N4-90-AA | 900 MCM | 1250 MCM | 715.5 MCM | 1113 MCM | 2 | 1 | 18.00 | 1.50 | 4.50 | 4.00 | 1.75 | 0.50 | 1.13 | 1.13 | 1/2 |
| CASV160-4-2N-AA | CASV160-4-2N-90-AA | 1250 MCM | 1600 MCM | 1113 MCM | 1431 MCM | 1 | 3 | 4.00 | 2.13 | 4.25 | 2.00 | 1.75 | 0.50 | 0.63 | 1.00 | 5/8 |
| CASV160-4-4N-AA | CASV160-4-4N-90-AA | 1250 MCM | 1600 MCM | 1113 MCM | 1431 MCM | 1 | 1 | 4.00 | 2.13 | 4.25 | 3.00 | 1.75 | 0.50 | 0.63 | 0.63 | 5/8 |
| CASV160-4-4N4-AA | CASV160-4-4N4-90-AA | 1250 MCM | 1600 MCM | 1113 MCM | 1431 MCM | 1 | 1 | 4.00 | 2.13 | 4.50 | 4.00 | 1.75 | 0.50 | 1.13 | 1.13 | 5/8 |
| CASV160-6-4N-AA | CASV160-6-4N-90-AA | 1250 MCM | 1600 MCM | 1113 MCM | 1431 MCM | 2 | 1 | 6.00 | 2.13 | 4.25 | 3.00 | 1.75 | 0.50 | 0.63 | 0.63 | 5/8 |
| CASV160-6-4N4-AA | CASV160-6-4N4-90-AA | 1250 MCM | 1600 MCM | 1113 MCM | 1431 MCM | 2 | 1 | 6.00 | 2.13 | 5.25 | 4.00 | 1.75 | 0.50 | 1.13 | 1.13 | 5/8 |
| CASV160-8-4N4-AA | CASV160-8-4N4-90-AA | 1250 MCM | 1600 MCM | 1113 MCM | 1431 MCM | 2 | 1 | 8.00 | 2.13 | 5.25 | 4.00 | 1.75 | 0.50 | 1.13 | 1.13 | 5/8 |
| CASV160-12-4N4-AA | CASV160-12-4N4-90-AA | 1250 MCM | 1600 MCM | 1113 MCM | 1431 MCM | 2 | 1 | 12.00 | 2.13 | 4.50 | 4.00 | 1.75 | 0.50 | 1.13 | 1.13 | 5/8 |
| CASV160-18-4N4-AA | CASV160-18-4N4-90-AA | 1250 MCM | 1600 MCM | 1113 MCM | 1431 MCM | 2 | 1 | 18.00 | 2.13 | 4.50 | 4.00 | 1.75 | 0.50 | 1.13 | 1.13 | 5/8 |
| CASV200-4-2N-AA | CASV200-4-2N-90-AA | 1500 MCM | 2000 MCM | 1272 MCM | 1780 MCM | 2 | 3 | 4.00 | 2.13 | 4.25 | 2.00 | 1.75 | 0.50 | 0.63 | 1.00 | 5/8 |
| CASV200-4-4N-AA* | CASV200-4-4N-90-AA | 1500 MCM | 2000 MCM | 1272 MCM | 1780 MCM | 1 | 1 | 4.00 | 2.13 | 3.50 | 3.00 | 1.75 | 0.50 | 0.63 | 0.63 | 5/8 |
| CASV200-4-4N4-AA* | CASV200-4-4N4-90-AA | 1500 MCM | 2000 MCM | 1272 MCM | 1780 MCM | 1 | 1 | 4.00 | 2.13 | 4.50 | 4.00 | 1.75 | 0.50 | 1.13 | 1.13 | 5/8 |
| CASV200-5-4N4-AA | CASV200-5-4N4-90-AA | 1500 MCM | 2000 MCM | 1272 MCM | 1780 MCM | 2 | 1 | 5.00 | 2.13 | 5.25 | 4.00 | 1.75 | 0.50 | 1.13 | 1.13 | 5/8 |
| CASV200-6-4N-AA | CASV200-6-4N-90-AA | 1500 MCM | 2000 MCM | 1272 MCM | 1780 MCM | 2 | 1 | 6.00 | 2.13 | 4.25 | 3.00 | 1.75 | 0.50 | 0.63 | 0.63 | 5/8 |
| CASV200-6-4N4-AA | CASV200-6-4N4-90-AA | 1500 MCM | 2000 MCM | 1272 MCM | 1780 MCM | 2 | 1 | 6.00 | 2.13 | 4.50 | 4.00 | 1.75 | 0.50 | 1.13 | 1.13 | 5/8 |
| CASV200-8-4N-AA | CASV200-8-4N-90-AA | 1500 MCM | 2000 MCM | 1272 MCM | 1780 MCM | 2 | 1 | 8.00 | 2.13 | 4.50 | 3.00 | 1.75 | 0.50 | 0.63 | 0.63 | 5/8 |
| CASV200-8-4N4-AA | CASV200-8-4N4-90-AA | 1500 MCM | 2000 MCM | 1272 MCM | 1780 MCM | 2 | 1 | 8.00 | 2.13 | 4.50 | 4.00 | 1.75 | 0.50 | 1.13 | 1.13 | 5/8 |
| CASV200-12-4N4-AA | CASV200-12-4N4-90-AA | 1500 MCM | 2000 MCM | 1272 MCM | 1780 MCM | 2 | 1 | 12.00 | 2.13 | 4.50 | 4.00 | 1.75 | 0.50 | 1.13 | 1.13 | 5/8 |
| CASV200-16-4N4-AA | CASV200-16-4N4-90-AA | 1500 MCM | 2000 MCM | 1272 MCM | 1780 MCM | 2 | 1 | 16.00 | 2.13 | 4.50 | 4.00 | 1.75 | 0.50 | 1.13 | 1.13 | 5/8 |
| CASV200-18-4N4-AA | CASV200-18-4N4-90-AA | 1500 MCM | 2000 MCM | 1272 MCM | 1780 MCM | 2 | 1 | 18.00 | 2.13 | 4.50 | 4.00 | 1.75 | 0.50 | 1.13 | 1.13 | 5/8 |
| CASV250-4-2N-AA | CASV250-4-2N-90-AA | 2000 MCM | 2500 MCM | 1780 MCM | 2312 MCM | 1 | 3 | 4.00 | 2.13 | 4.25 | 2.00 | 1.75 | 0.50 | 0.63 | 1.00 | 5/8 |
| CASV250-4-4N4-AA | CASV250-4-4N4-90-AA | 2000 MCM | 2500 MCM | 1780 MCM | 2312 MCM | 1 | 1 | 4.00 | 2.13 | 5.25 | 4.00 | 1.75 | 0.50 | 1.13 | 1.13 | 5/8 |
| CASV250-8-4N-AA | CASV250-8-4N-90-AA | 2000 MCM | 2500 MCM | 1780 MCM | 2312 MCM | 2 | 1 | 8.00 | 2.13 | 4.25 | 3.00 | 1.75 | 0.50 | 0.63 | 0.63 | 5/8 |
| CASV250-8-4N4-AA | CASV250-8-4N4-90-AA | 2000 MCM | 2500 MCM | 1780 MCM | 2312 MCM | 2 | 1 | 8.00 | 2.13 | 4.50 | 4.00 | 1.75 | 0.50 | 1.13 | 1.13 | 5/8 |
| CASV250-18-4N4-AA | CASV250-18-4N4-90-AA | 2000 MCM | 2500 MCM | 1780 MCM | 2312 MCM | 2 | 1 | 18.00 | 2.13 | 4.50 | 4.00 | 1.75 | 0.50 | 1.13 | 1.13 | 5/8 |
| CASV300-8-4N4-AA | CASV300-8-4N4-90-AA | 2500 MCM | 3000 MCM | 2300 MCM | 2870 MCM | 2 | 1 | 8.00 | 2.13 | 5.25 | 4.00 | 1.75 | 0.50 | 1.13 | 1.13 | 5/8 |

* Denotes this item references Figure 3



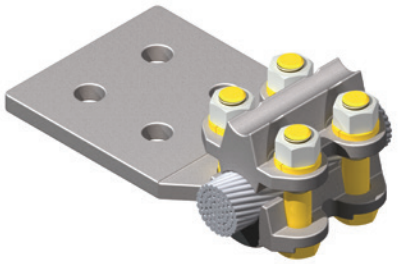
© 2011, AFL, all rights reserved. PP-3-00272, Revision 11, 10.17.2022
Specifications are subject to change without notice.

# DOSSERT®

## TYPE CFTV-N-AA

### Terminal Lug

Tee connector designed to connect aluminum cables to aluminum pad for flat bolt on connection. Pads conform to NEMA standards.



### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum nuts, bolts and lockwashers.

### Notes

1. For Stainless Steel bolts, lockwashers and Everdur nuts, add "-SSHBN" to catalog number. EX: CTFV160-4N-NN-SSHBN
2. For Grade Five Galvanized Steel Hardware, add "-GS5" to catalog number. EX: CFTV160-4N-AA-GS5

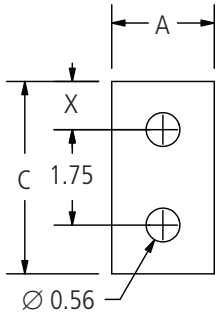



FIG. 2

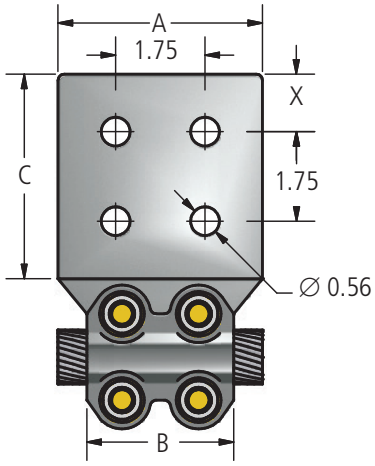
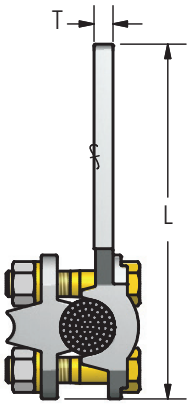



FIG. 1



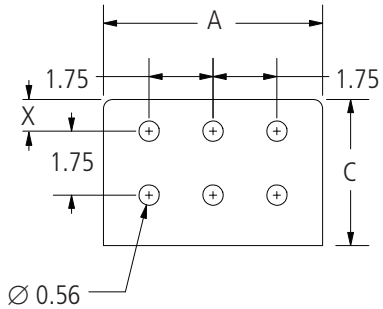




FIG. 3

## Ordering Information

| CATALOG NUMBER | CABLE RANGE | | | | FIG. NO. | DIMENSIONS IN INCHES | | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ALUMINUM | | ACSR | | | A | B | C | L | T | X | |
| | MIN | MAX | MIN | MAX | | | | | | | | |
| CFTV25-2N-AA | 1/0 STR. | 250 MCM | 1/0 | 4/0 | 2 | 2.00 | 3.00 | 3.00 | 5.63 | 0.31 | 0.63 | 1/2 |
| CFTV25-3N-AA | 1/0 STR. | 250 MCM | 1/0 | 4/0 | 1 | 3.00 | 3.00 | 3.00 | 5.56 | 0.31 | 0.63 | 1/2 |
| CFTV25-4N-AA | 1/0 STR. | 250 MCM | 1/0 | 4/0 | 1 | 4.00 | 3.00 | 3.00 | 5.56 | 0.31 | 0.63 | 1/2 |
| CFTV25-4N4-AA | 1/0 STR. | 250 MCM | 1/0 | 4/0 | 1 | 4.00 | 3.00 | 4.00 | 6.56 | 0.31 | 1.13 | 1/2 |
| CFTV40-2N-AA | 250 MCM | 400 MCM | 4/0 | 397.5 | 2 | 2.00 | 3.00 | 3.00 | 5.63 | 0.38 | 0.63 | 1/2 |
| CFTV40-3N-AA | 250 MCM | 400 MCM | 4/0 | 397.5 | 1 | 3.00 | 3.00 | 3.00 | 5.75 | 0.38 | 0.63 | 1/2 |
| CFTV40-4N-AA | 250 MCM | 400 MCM | 4/0 | 397.5 | 1 | 3.00 | 3.00 | 3.00 | 5.75 | 0.38 | 0.63 | 1/2 |
| CFTV40-4N4-AA | 250 MCM | 400 MCM | 4/0 | 397.5 | 1 | 4.00 | 3.00 | 4.00 | 6.75 | 0.38 | 1.13 | 1/2 |
| CFTV60-2N-AA | 350 MCM | 600 MCM | 336.4 | 477 | 2 | 2.00 | 3.00 | 3.00 | 5.94 | 0.38 | 0.63 | 1/2 |
| CFTV60-3N-AA | 350 MCM | 600 MCM | 336.4 | 477 | 1 | 3.00 | 3.00 | 3.00 | 5.94 | 0.38 | 0.63 | 1/2 |
| CFTV60-4N-AA | 350 MCM | 600 MCM | 336.4 | 477 | 1 | 4.00 | 3.00 | 3.00 | 5.94 | 0.38 | 0.63 | 1/2 |
| CFTV60-4N4-AA | 350 MCM | 600 MCM | 336.4 | 477 | 1 | 4.00 | 3.00 | 4.00 | 6.94 | 0.38 | 1.13 | 1/2 |
| CFTV60-6N4-AA | 350 MCM | 600 MCM | 336.4 | 477 | 3 | 6.00 | 3.00 | 4.00 | 6.94 | 0.38 | 1.13 | 1/2 |
| CFTV90-2N-AA | 500 MCM | 900 MCM | 477 | 795 | 2 | 2.00 | 3.00 | 3.00 | 6.13 | 0.50 | 0.63 | 1/2 |
| CFTV90-3N-AA | 500 MCM | 900 MCM | 477 | 795 | 1 | 3.00 | 3.00 | 3.00 | 6.13 | 0.50 | 0.63 | 1/2 |
| CFTV90-4N-AA | 500 MCM | 900 MCM | 477 | 795 | 1 | 4.00 | 3.00 | 3.00 | 6.63 | 0.50 | 0.63 | 1/2 |
| CFTV90-4N4-AA | 500 MCM | 900 MCM | 477 | 795 | 1 | 4.00 | 3.00 | 4.00 | 7.13 | 0.50 | 1.13 | 1/2 |
| CFTV125-2N-AA | 900 MCM | 1250 MCM | 715 | 1113 | 2 | 2.00 | 3.25 | 3.00 | 6.31 | 0.50 | 0.63 | 1/2 |
| CFTV125-3N-AA | 900 MCM | 1250 MCM | 715 | 1113 | 1 | 3.00 | 3.25 | 3.00 | 6.31 | 0.50 | 0.63 | 1/2 |



© 2011, AFL, all rights reserved. PP-3-00284, Revision 4, 11.30.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE CFTV-N-AA

**Terminal Lug**

### Ordering Information

| CATALOG NUMBER | CABLE RANGE | | | | FIG. NO. | DIMENSIONS IN INCHES | | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ALUMINUM | | ACSR | | | A | B | C | L | T | X | |
| | MIN | MAX | MIN | MAX | | | | | | | | |
| CFTV125-4N-AA | 900 MCM | 1250 MCM | 715 | 1113 | 1 | 3.00 | 3.25 | 3.00 | 6.31 | 0.50 | 0.63 | 1/2 |
| CFTV125-4N4-AA | 900 MCM | 1250 MCM | 715 | 1113 | 1 | 4.00 | 3.25 | 4.00 | 7.31 | 0.50 | 1.13 | 1/2 |
| CFTV125-6N4-AA | 900 MCM | 1250 MCM | 715 | 1113 | 3 | 6.00 | 3.25 | 4.00 | 7.31 | 0.50 | 1.13 | 1/2 |
| CFTV160-3N-AA | 1250 MCM | 1600 MCM | 1113 | 1431 | 1 | 3.00 | 4.38 | 3.00 | 6.88 | 0.56 | 0.63 | 5/8 |
| CFTV160-4N-AA | 1250 MCM | 1600 MCM | 1113 | 1431 | 1 | 4.00 | 4.38 | 3.00 | 6.88 | 0.56 | 0.63 | 5/8 |
| CFTV160-4N4-AA | 1250 MCM | 1600 MCM | 1113 | 1431 | 1 | 4.00 | 4.38 | 4.00 | 7.88 | 0.56 | 1.13 | 5/8 |
| CFTV160-6N4-AA | 1250 MCM | 1600 MCM | 1113 | 1431 | 3 | 6.00 | 4.38 | 4.00 | 7.88 | 0.56 | 1.13 | 5/8 |
| CFTV200-2N-AA | 1500 MCM | 2000 MCM | 1272 | 1780 | 2 | 2.00 | 4.50 | 3.00 | 7.00 | 0.69 | 0.63 | 5/8 |
| CFTV200-3N-AA | 1500 MCM | 2000 MCM | 1272 | 1780 | 1 | 3.00 | 4.50 | 3.00 | 7.00 | 0.69 | 0.63 | 5/8 |
| CFTV200-4N-AA | 1500 MCM | 2000 MCM | 1272 | 1780 | 1 | 4.00 | 4.50 | 3.00 | 7.00 | 0.69 | 0.63 | 5/8 |
| CFTV200-4N4-AA | 1500 MCM | 2000 MCM | 1272 | 1780 | 1 | 4.00 | 4.50 | 4.00 | 8.00 | 0.69 | 1.13 | 5/8 |
| CFTV200-6N4-AA | 1500 MCM | 2000 MCM | 1272 | 1780 | 3 | 6.00 | 4.50 | 4.00 | 8.00 | 0.69 | 1.13 | 5/8 |
| CFTV250-2N-AA | 2000 MCM | 2500 MCM | 1780 | 2300 | 2 | 2.00 | 4.50 | 3.00 | 7.19 | 0.75 | 0.63 | 5/8 |
| CFTV250-3N-AA | 2000 MCM | 2500 MCM | 1780 | 2300 | 1 | 3.00 | 4.50 | 3.00 | 7.00 | 0.69 | 0.63 | 5/8 |
| CFTV250-4N-AA | 2000 MCM | 2500 MCM | 1780 | 2300 | 1 | 4.00 | 4.50 | 3.00 | 7.38 | 0.75 | 0.63 | 5/8 |
| CFTV250-4N4-AA | 2000 MCM | 2500 MCM | 1780 | 2300 | 1 | 4.00 | 4.50 | 4.00 | 8.38 | 0.75 | 1.13 | 5/8 |
| CFTV250-6N4-AA | 2000 MCM | 2500 MCM | 1780 | 2300 | 3 | 6.00 | 4.50 | 4.00 | 8.38 | 0.75 | 1.13 | 5/8 |
| CFTV300-4N-AA | 2500 MCM | 3000 MCM | 2300 | 2870 | 1 | 4.00 | 4.50 | 3.00 | 7.56 | 0.75 | 0.63 | 5/8 |
| CFTV300-4N4-AA | 2500 MCM | 3000 MCM | 2300 | 2870 | 1 | 4.00 | 4.50 | 4.00 | 8.56 | 0.75 | 1.13 | 5/8 |





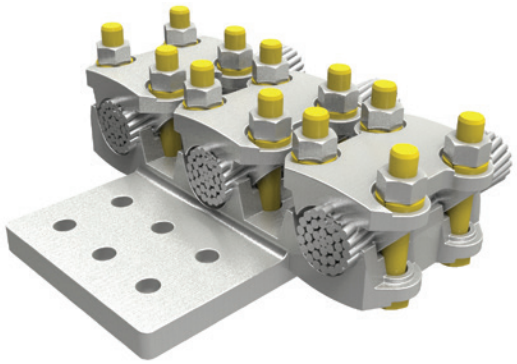
© 2011, AFL, all rights reserved. PP-3-00284, Revision 4, 11.30.18
Specifications are subject to change without notice.

# 230 kV Aluminum Bolted Terminal Connectors

## DOSSERT®

## TYPE T3CV-AA

### Aluminum Terminal



### Material

Aluminum Alloy

### Material

Aluminum nuts, bolts and lockwashers.

### Notes

- For Stainless Steel Hardware, add "-SS" to catalog number. EX: T3CV125-4N4-AA-SS
- For Stainless Steel bolts, lockwashers and Everdur nuts, add "-SSHBN" to catalog number. EX: T3CV125-4N4-AA-SSHBN
- For Galvanized Steel Hardware, add "-GS" to catalog number. EX: T3CV125-4N4-AA-GS
- For Angled Pad, add "A" to prefix and angle to catalog number. EX: T3CVA125-4N4-45-AA

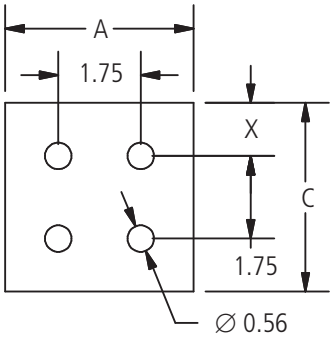
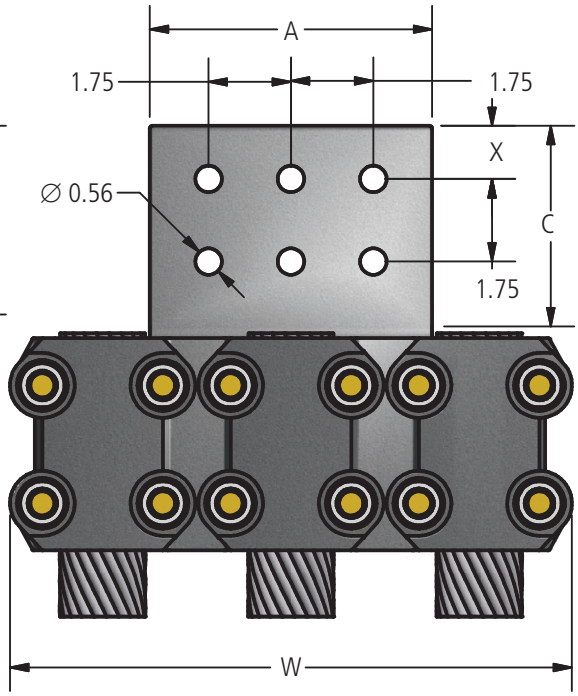



FIG. 1



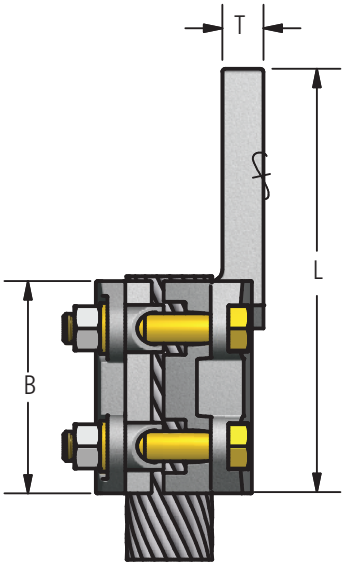




FIG. 2



© 2013, AFL, all rights reserved. PP-3-00468, Revision 2, 3.29.2023
Specifications are subject to change without notice.

DOSSERT®

# TYPE T3CV-AA

**Aluminum Terminal**

## Ordering Information

| CATALOG NUMBER | CABLE RANGE | | | | FIG. NO. | DIMENSIONS IN INCHES | | | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ALUMINUM | | ACSR | | | | | | | | | | |
| | MIN | MAX | MIN | MAX | | A | B | C | L | T | W | X | |
| T3CV25-4N-AA | # 1/0 | 250 | # 1/0 | #4/0 | 1 | 3.00 | 3.00 | 3.00 | 6.25 | 0.31 | 7.19 | 0.63 | 1/2 |
| T3CV25-4N4-AA | # 1/0 | 250 | # 1/0 | #4/0 | 1 | 4.00 | 3.00 | 4.00 | 7.25 | 0.31 | 7.19 | 1.13 | 1/2 |
| T3CV40-4N-AA | 250 | 400 | #4/0 | 397.5 | 1 | 3.00 | 3.00 | 3.00 | 6.25 | 0.38 | 7.75 | 0.63 | 1/2 |
| T3CV40-4N4-AA | 250 | 400 | #4/0 | 397.5 | 1 | 4.00 | 3.00 | 4.00 | 7.25 | 0.38 | 7.75 | 1.13 | 1/2 |
| T3CV60-4N-AA | 350 | 600 | 336.4 | 477 | 1 | 3.00 | 3.00 | 3.00 | 6.25 | 0.38 | 8.63 | 0.63 | 1/2 |
| T3CV60-4N4-AA | 350 | 600 | 336.4 | 477 | 1 | 4.00 | 3.00 | 4.00 | 7.25 | 0.38 | 8.63 | 1.13 | 1/2 |
| T3CV90-4N-AA | 500 | 900 | 477 | 795 | 1 | 3.00 | 3.00 | 3.00 | 6.25 | 0.50 | 8.88 | 0.63 | 1/2 |
| T3CV90-4N4-AA | 500 | 900 | 477 | 795 | 1 | 4.00 | 3.00 | 4.00 | 7.25 | 0.75 | 8.88 | 1.13 | 1/2 |
| T3CV90-5N4-AA | 500 | 900 | 477 | 795 | 2 | 5.00 | 3.00 | 4.00 | 7.25 | 0.63 | 8.88 | 1.13 | 1/2 |
| T3CV90-6N4-AA | 500 | 900 | 477 | 795 | 2 | 6.00 | 3.00 | 4.00 | 7.25 | 0.50 | 8.88 | 1.13 | 1/2 |
| T3CV125-4N-AA | 900 | 1250 | 715 | 1113 | 1 | 3.00 | 3.25 | 3.00 | 6.50 | 0.63 | 9.44 | 0.63 | 1/2 |
| T3CV125-4N4-AA | 900 | 1250 | 715 | 1113 | 1 | 4.00 | 3.25 | 4.00 | 7.50 | 0.63 | 9.88 | 1.13 | 1/2 |
| T3CV160-4N-AA | 1250 | 1600 | 1113 | 1431 | 1 | 3.00 | 4.38 | 3.00 | 7.63 | 0.75 | 11.13 | 0.63 | 5/8 |
| T3CV160-4N4-AA | 1250 | 1600 | 1113 | 1431 | 1 | 4.00 | 4.38 | 4.00 | 8.75 | 0.75 | 11.13 | 1.13 | 5/8 |
| T3CV160-6N4-AA | 1250 | 1600 | 1113 | 1431 | 2 | 6.00 | 4.38 | 4.00 | 8.75 | 0.75 | 11.13 | 1.13 | 5/8 |
| T3CV200-4N-AA | 1500 | 2000 | 1272 | 1780 | 1 | 3.00 | 4.50 | 3.00 | 7.75 | 0.88 | 11.88 | 0.63 | 5/8 |
| T3CV200-4N4-AA | 1500 | 2000 | 1272 | 1780 | 1 | 4.00 | 4.50 | 4.00 | 8.75 | 0.88 | 12.25 | 1.13 | 5/8 |
| T3CV200-6N4-AA | 1500 | 2000 | 1272 | 1780 | 2 | 6.00 | 4.50 | 4.00 | 8.75 | 0.88 | 11.88 | 1.13 | 5/8 |
| T3CV250-4N-AA | 2000 | 2500 | 1780 | 2300 | 1 | 3.00 | 4.50 | 3.00 | 7.75 | 0.88 | 11.94 | 0.63 | 5/8 |
| T3CV250-4N4-AA | 2000 | 2500 | 1780 | 2300 | 1 | 4.00 | 4.50 | 4.00 | 8.75 | 0.88 | 12.06 | 1.13 | 5/8 |
| T3CV250-6-4N4-AA | 2000 | 2500 | 1780 | 2300 | 1 | 4.00 | 4.50 | 4.00 | 8.75 | 0.88 | 15.94 | 1.13 | 5/8 |
| T3CV250-6N4-AA | 2000 | 2500 | 1780 | 2300 | 2 | 6.00 | 4.50 | 4.00 | 8.75 | 0.88 | 12.06 | 1.13 | 5/8 |



© 2013, AFL, all rights reserved. PP-3-00468, Revision 2, 3.29.2023
Specifications are subject to change without notice.

DOSSERT®

# TYPE T2CV-N-AA, T2CVA-N-30-AA, T2CVA-N-45-AA, T2CVA-N-90-AA

## Aluminum Terminal for 2 Cables



Terminal is designed to connect stranded aluminum or ACSR conductors to aluminum pads. Pad conforms to NEMA standards. Terminals are designed with a universal groove to accept a wide range of conductor sizes. Captive bolts permit one wrench tightening of nuts.

### Material

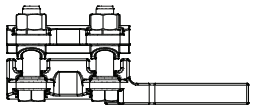
Aluminum Alloy

### Material

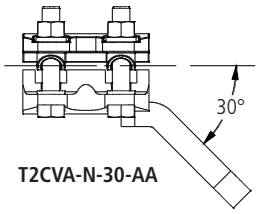
Yellow anodized aluminum nuts, bolts and lockwashers.

### Notes

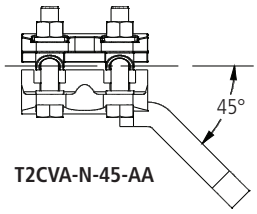
- For a 30°, add suffix '-30'; 45°, add suffix '-45'; and 90°, add suffix '-90' to catalog number. Also add 'A' after T2CV. EX: T2CVA25-4N4-90-AA
- For Stainless Steel bolts, lockwashers and Everdur nuts, add "-SSHBN" to catalog number. EX: T2CV200-4N4-AA-SSHBN
- For Galvanized Steel Hardware, add "-GS" to catalog number. EX: T2CV200-4N4-AA-GS
- For Angled Pad, add "A" to prefix and angle to catalog number. EX: T2CVA200-4N4-45-AA



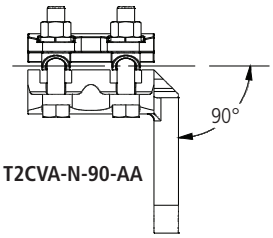
T2CV-N-AA




T2CVA-N-30-AA




T2CVA-N-45-AA




T2CVA-N-90-AA

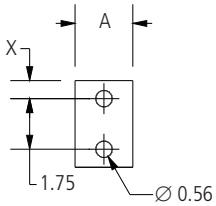



FIG. 1

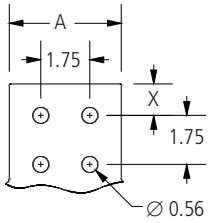



FIG. 2

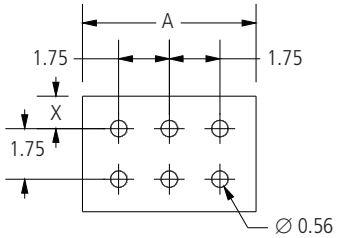
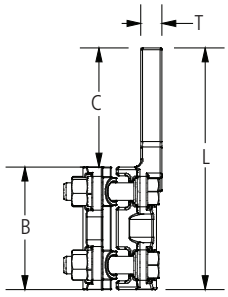
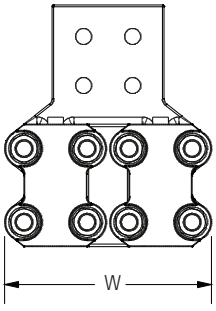
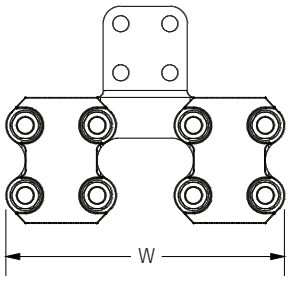



FIG. 3




DETAIL A




DETAIL B



© 2011, AFL, all rights reserved. PP-3-00470, Revision 3, 6.11.18
Specifications are subject to change without notice.

DOSSERT®

# TYPE T2CV-N-AA, T2CVA-N-30-AA, T2CVA-N-45-AA, T2CVA-N-90-AA

**Aluminum Terminal for 2 Cables**

## Ordering Information

| CATALOG NO. | CABLE RANGE | | | | FIG. NO. | DETAIL | DIMENSIONS IN INCHES | | | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AAC | | ACSR | | | | | | | | | | | |
| | MIN | MAX | MIN | MAX | | | A | B | C | L | T | W | X | |
| T2CV25-4N-AA | # 1/0 | 250 | # 1/0 | # 4/0 | 2 | A | 3 | 3 | 3 | 6 1/4 | 5/16 | 4 3/4 | 5/8 | 1/2 |
| T2CVA25-4N-30-AA | # 1/0 | 250 | # 1/0 | # 4/0 | 2 | A | 3 | 3 | 3 | 6 1/4 | 5/16 | 4 3/4 | 5/8 | 1/2 |
| T2CVA25-4N-45-AA | # 1/0 | 250 | # 1/0 | # 4/0 | 2 | A | 3 | 3 | 3 | 6 1/4 | 5/16 | 4 3/4 | 5/8 | 1/2 |
| T2CVA25-4N-90-AA | # 1/0 | 250 | # 1/0 | # 4/0 | 2 | A | 3 | 3 | 3 | 6 1/4 | 5/16 | 4 3/4 | 5/8 | 1/2 |
| T2CV25-4N4-AA | # 1/0 | 250 | # 1/0 | # 4/0 | 2 | A | 4 | 3 | 4 | 7 1/4 | 5/16 | 4 3/4 | 1 1/8 | 1/2 |
| T2CVA25-4N4-30-AA | # 1/0 | 250 | # 1/0 | # 4/0 | 2 | A | 4 | 3 | 4 | 7 1/4 | 5/16 | 4 3/4 | 1 1/8 | 1/2 |
| T2CVA25-4N4-45-AA | # 1/0 | 250 | # 1/0 | # 4/0 | 2 | A | 4 | 3 | 4 | 7 1/4 | 5/16 | 4 3/4 | 1 1/8 | 1/2 |
| T2CVA25-4N4-90-AA | # 1/0 | 250 | # 1/0 | # 4/0 | 2 | A | 4 | 3 | 4 | 7 1/4 | 5/16 | 4 3/4 | 1 1/8 | 1/2 |
| T2CV40-4N-AA | 250 | 400 | # 4/0 | 397.5 | 2 | A | 3 | 3 | 3 | 6 1/4 | 7/16 | 5 1/16 | 5/8 | 1/2 |
| T2CVA40-4N-30-AA | 250 | 400 | # 4/0 | 397.5 | 2 | A | 3 | 3 | 3 | 6 1/4 | 7/16 | 5 1/16 | 5/8 | 1/2 |
| T2CVA40-4N-45-AA | 250 | 400 | # 4/0 | 397.5 | 2 | A | 3 | 3 | 3 | 6 1/4 | 7/16 | 5 1/16 | 5/8 | 1/2 |
| T2CVA40-4N-90-AA | 250 | 400 | # 4/0 | 397.5 | 2 | A | 3 | 3 | 3 | 6 1/4 | 7/16 | 5 1/16 | 5/8 | 1/2 |
| T2CV40-4N4-AA | 250 | 400 | # 4/0 | 397.5 | 2 | A | 4 | 3 | 4 | 7 1/4 | 3/8 | 5 1/16 | 1 1/8 | 1/2 |
| T2CVA40-4N4-30-AA | 250 | 400 | # 4/0 | 397.5 | 2 | A | 4 | 3 | 4 | 7 1/4 | 3/8 | 5 1/16 | 1 1/8 | 1/2 |
| T2CVA40-4N4-45-AA | 250 | 400 | # 4/0 | 397.5 | 2 | A | 4 | 3 | 4 | 7 1/4 | 3/8 | 5 1/16 | 1 1/8 | 1/2 |
| T2CVA40-4N4-90-AA | 250 | 400 | # 4/0 | 397.5 | 2 | A | 4 | 3 | 4 | 7 1/4 | 3/8 | 5 1/16 | 1 1/8 | 1/2 |
| T2CV60-4N-AA | 350 | 600 | 336.4 | 477 | 2 | A | 3 | 3 | 3 | 6 1/4 | 3/8 | 5 3/8 | 5/8 | 1/2 |
| T2CVA60-4N-30-AA | 350 | 600 | 336.4 | 477 | 2 | A | 3 | 3 | 3 | 6 1/4 | 3/8 | 5 3/8 | 5/8 | 1/2 |
| T2CVA60-4N-45-AA | 350 | 600 | 336.4 | 477 | 2 | A | 3 | 3 | 3 | 6 1/4 | 3/8 | 5 3/8 | 5/8 | 1/2 |
| T2CVA60-4N-90-AA | 350 | 600 | 336.4 | 477 | 2 | A | 3 | 3 | 3 | 6 1/4 | 3/8 | 5 3/8 | 5/8 | 1/2 |
| T2CV60-4N4-AA | 350 | 600 | 336.4 | 477 | 2 | A | 4 | 3 | 4 | 7 1/4 | 3/8 | 5 3/8 | 1 1/8 | 1/2 |
| T2CVA60-4N4-30-AA | 350 | 600 | 336.4 | 477 | 2 | A | 4 | 3 | 4 | 7 1/4 | 3/8 | 5 3/8 | 1 1/8 | 1/2 |
| T2CVA60-4N4-45-AA | 350 | 600 | 336.4 | 477 | 2 | A | 4 | 3 | 4 | 7 1/4 | 3/8 | 5 3/8 | 1 1/8 | 1/2 |
| T2CVA60-4N4-90-AA | 350 | 600 | 336.4 | 477 | 2 | A | 4 | 3 | 4 | 7 1/4 | 3/8 | 5 3/8 | 1 1/8 | 1/2 |
| T2CV90-2N-AA | 500 | 900 | 477 | 795 | 1 | A | 2 | 3 | 3 | 6 1/4 | 11/16 | 5 7/8 | 5/8 | 1/2 |
| T2CVA90-2N-30-AA | 500 | 900 | 477 | 795 | 1 | A | 2 | 3 | 3 | 6 1/4 | 11/16 | 5 7/8 | 5/8 | 1/2 |
| T2CVA90-2N-45-AA | 500 | 900 | 477 | 795 | 1 | A | 2 | 3 | 3 | 6 1/4 | 11/16 | 5 7/8 | 5/8 | 1/2 |
| T2CVA90-2N-90-AA | 500 | 900 | 477 | 795 | 1 | A | 2 | 3 | 3 | 6 1/4 | 11/16 | 5 7/8 | 5/8 | 1/2 |
| T2CV90-4N-AA | 500 | 900 | 477 | 795 | 2 | A | 3 | 3 | 3 | 6 1/4 | 1/2 | 5 7/8 | 5/8 | 1/2 |
| T2CVA90-4N-30-AA | 500 | 900 | 477 | 795 | 2 | A | 3 | 3 | 3 | 6 1/4 | 1/2 | 5 7/8 | 5/8 | 1/2 |
| T2CVA90-4N-45-AA | 500 | 900 | 477 | 795 | 2 | A | 3 | 3 | 3 | 6 1/4 | 1/2 | 5 7/8 | 5/8 | 1/2 |
| T2CVA90-4N-90-AA | 500 | 900 | 477 | 795 | 2 | A | 3 | 3 | 3 | 6 1/4 | 1/2 | 5 7/8 | 5/8 | 1/2 |
| T2CV90-4N4-AA | 500 | 900 | 477 | 795 | 2 | A | 4 | 3 | 4 | 7 1/4 | 1/2 | 5 7/8 | 1 1/8 | 1/2 |
| T2CVA90-4N4-30-AA | 500 | 900 | 477 | 795 | 2 | A | 4 | 3 | 4 | 7 1/4 | 1/2 | 5 7/8 | 1 1/8 | 1/2 |
| T2CVA90-4N4-45-AA | 500 | 900 | 477 | 795 | 2 | A | 4 | 3 | 4 | 7 1/4 | 1/2 | 5 7/8 | 1 1/8 | 1/2 |
| T2CVA90-4N4-90-AA | 500 | 900 | 477 | 795 | 2 | A | 4 | 3 | 4 | 7 1/4 | 1/2 | 5 7/8 | 1 1/8 | 1/2 |
| T2CV125-2N-AA | 900 | 1250 | 715 | 1192.5 | 1 | A | 3 | 3 1/4 | 3 | 6 1/2 | 5/8 | 6 1/4 | 5/8 | 1/2 |
| T2CVA125-2N-30-AA | 900 | 1250 | 715 | 1192.5 | 1 | A | 3 | 3 1/4 | 3 | 6 1/2 | 5/8 | 6 1/4 | 5/8 | 1/2 |
| T2CVA125-2N-45-AA | 900 | 1250 | 715 | 1192.5 | 1 | A | 3 | 3 1/4 | 3 | 6 1/2 | 5/8 | 6 1/4 | 5/8 | 1/2 |
| T2CVA125-2N-90-AA | 900 | 1250 | 715 | 1192.5 | 1 | A | 3 | 3 1/4 | 3 | 6 1/2 | 5/8 | 6 1/4 | 5/8 | 1/2 |
| T2CV125-4N-AA | 900 | 1250 | 715 | 1192.5 | 2 | A | 3 | 3 1/4 | 3 | 6 1/2 | 5/8 | 6 1/4 | 5/8 | 1/2 |
| T2CVA125-4N-30-AA | 900 | 1250 | 715 | 1192.5 | 2 | A | 3 | 3 1/4 | 3 | 6 1/2 | 5/8 | 6 1/4 | 5/8 | 1/2 |
| T2CVA125-4N-45-AA | 900 | 1250 | 715 | 1192.5 | 2 | A | 3 | 3 1/4 | 3 | 6 1/2 | 5/8 | 6 1/4 | 5/8 | 1/2 |
| T2CVA125-4N-90-AA | 900 | 1250 | 715 | 1192.5 | 2 | A | 3 | 3 1/4 | 3 | 6 1/2 | 5/8 | 6 1/4 | 5/8 | 1/2 |
| T2CV125-6-4N-AA | 900 | 1250 | 715 | 1192.5 | 2 | B | 3 | 3 1/4 | 3 | 6 1/2 | 11/16 | 9 1/16 | 5/8 | 1/2 |
| T2CVA125-6-4N-30-AA | 900 | 1250 | 715 | 1192.5 | 2 | B | 3 | 3 1/4 | 3 | 6 1/2 | 11/16 | 9 1/16 | 5/8 | 1/2 |
| T2CVA125-6-4N-45-AA | 900 | 1250 | 715 | 1192.5 | 2 | B | 3 | 3 1/4 | 3 | 6 1/2 | 11/16 | 9 1/16 | 5/8 | 1/2 |
| T2CVA125-6-4N-90-AA | 900 | 1250 | 715 | 1192.5 | 2 | B | 3 | 3 1/4 | 3 | 6 1/2 | 11/16 | 9 1/16 | 5/8 | 1/2 |
| T2CV125-4N4-AA | 900 | 1250 | 715 | 1192.5 | 2 | A | 4 | 3 1/4 | 4 | 7 1/2 | 5/8 | 6 1/4 | 1 1/8 | 1/2 |
| T2CVA125-4N4-30-AA | 900 | 1250 | 715 | 1192.5 | 2 | A | 4 | 3 1/4 | 4 | 7 1/2 | 5/8 | 6 1/4 | 1 1/8 | 1/2 |
| T2CVA125-4N4-45-AA | 900 | 1250 | 715 | 1192.5 | 2 | A | 4 | 3 1/4 | 4 | 7 1/2 | 5/8 | 6 1/4 | 1 1/8 | 1/2 |
| T2CVA125-4N4-90-AA | 900 | 1250 | 715 | 1192.5 | 2 | A | 4 | 3 1/4 | 4 | 7 1/2 | 5/8 | 6 1/4 | 1 1/8 | 1/2 |





© 2011, AFL, all rights reserved. PP-3-00470, Revision 3, 6.11.18
Specifications are subject to change without notice.

DOSSERT®

# TYPE T2CV-N-AA, T2CVA-N-30-AA, T2CVA-N-45-AA, T2CVA-N-90-AA

**Aluminum Terminal for 2 Cables**

## Ordering Information

| CATALOG NO. | CABLE RANGE | | | | FIG. NO. | DETAIL | DIMENSIONS IN INCHES | | | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AAC | | ACSR | | | | | | | | | | | |
| | MIN | MAX | MIN | MAX | | | A | B | C | L | T | W | X | |
| T2CV125-6-4N4-AA | 900 | 1250 | 715 | 1192.5 | 2 | B | 4 | 3 1/4 | 4 | 7 1/2 | 11/16 | 9 1/16 | 1 1/8 | 1/2 |
| T2CVA125-6-4N4-30-AA | 900 | 1250 | 715 | 1192.5 | 2 | B | 4 | 3 1/4 | 4 | 7 1/2 | 11/16 | 9 1/16 | 1 1/8 | 1/2 |
| T2CVA125-6-4N4-45-AA | 900 | 1250 | 715 | 1192.5 | 2 | B | 4 | 3 1/4 | 4 | 7 1/2 | 11/16 | 9 1/16 | 1 1/8 | 1/2 |
| T2CVA125-6-4N4-90-AA | 900 | 1250 | 715 | 1192.5 | 2 | B | 4 | 3 1/4 | 4 | 7 1/2 | 11/16 | 9 1/16 | 1 1/8 | 1/2 |
| T2CV125-6N4-AA | 900 | 1250 | 715 | 1192.5 | 3 | A | 6 | 3 1/4 | 4 | 7 1/2 | 5/8 | 6 1/4 | 1 1/8 | 1/2 |
| T2CV125-6N4-30-AA | 900 | 1250 | 715 | 1192.5 | 3 | A | 6 | 3 1/4 | 4 | 7 1/2 | 5/8 | 6 1/4 | 1 1/8 | 1/2 |
| T2CV125-6N4-45-AA | 900 | 1250 | 715 | 1192.5 | 3 | A | 6 | 3 1/4 | 4 | 7 1/2 | 5/8 | 6 1/4 | 1 1/8 | 1/2 |
| T2CV125-6N4-90-AA | 900 | 1250 | 715 | 1192.5 | 3 | A | 6 | 3 1/4 | 4 | 7 1/2 | 5/8 | 6 1/4 | 1 1/8 | 1/2 |
| T2CV160-4N-AA | 1250 | 1600 | 1113 | 1431 | 2 | A | 3 | 4 3/8 | 3 | 7 5/8 | 3/4 | 7 3/8 | 5/8 | 5/8 |
| T2CVA160-4N-30-AA | 1250 | 1600 | 1113 | 1431 | 2 | A | 3 | 4 3/8 | 3 | 7 5/8 | 3/4 | 7 3/8 | 5/8 | 5/8 |
| T2CVA160-4N-45-AA | 1250 | 1600 | 1113 | 1431 | 2 | A | 3 | 4 3/8 | 3 | 7 5/8 | 3/4 | 7 3/8 | 5/8 | 5/8 |
| T2CVA160-4N-90-AA | 1250 | 1600 | 1113 | 1431 | 2 | A | 3 | 4 3/8 | 3 | 7 5/8 | 3/4 | 7 3/8 | 5/8 | 5/8 |
| T2CV160-4N4-AA | 1250 | 1600 | 1113 | 1431 | 2 | A | 4 | 4 3/8 | 4 | 8 5/8 | 3/4 | 7 3/8 | 1 1/8 | 5/8 |
| T2CVA160-4N4-30-AA | 1250 | 1600 | 1113 | 1431 | 2 | A | 4 | 4 3/8 | 4 | 8 5/8 | 3/4 | 7 3/8 | 1 1/8 | 5/8 |
| T2CVA160-4N4-45-AA | 1250 | 1600 | 1113 | 1431 | 2 | A | 4 | 4 3/8 | 4 | 8 5/8 | 3/4 | 7 3/8 | 1 1/8 | 5/8 |
| T2CVA160-4N4-90-AA | 1250 | 1600 | 1113 | 1431 | 2 | A | 4 | 4 3/8 | 4 | 8 5/8 | 3/4 | 7 3/8 | 1 1/8 | 5/8 |
| T2CV160-6N4-AA | 1250 | 1600 | 1113 | 1431 | 2 | A | 6 | 4 3/8 | 4 | 8 5/8 | 3/4 | 7 3/8 | 1 1/8 | 5/8 |
| T2CVA160-6N4-30-AA | 1250 | 1600 | 1113 | 1431 | 2 | A | 6 | 4 3/8 | 4 | 8 5/8 | 3/4 | 7 3/8 | 1 1/8 | 5/8 |
| T2CVA160-6N4-45-AA | 1250 | 1600 | 1113 | 1431 | 2 | A | 6 | 4 3/8 | 4 | 8 5/8 | 3/4 | 7 3/8 | 1 1/8 | 5/8 |
| T2CVA160-6N4-90-AA | 1250 | 1600 | 1113 | 1431 | 2 | A | 6 | 4 3/8 | 4 | 8 5/8 | 3/4 | 7 3/8 | 1 1/8 | 5/8 |
| T2CV200-4N-AA | 1500 | 2000 | 1272 | 1780 | 2 | A | 3 | 4 1/2 | 3 | 7 3/4 | 7/8 | 7 5/8 | 5/8 | 5/8 |
| T2CVA200-4N-30-AA | 1500 | 2000 | 1272 | 1780 | 2 | A | 3 | 4 1/2 | 3 | 7 3/4 | 7/8 | 7 5/8 | 5/8 | 5/8 |
| T2CVA200-4N-45-AA | 1500 | 2000 | 1272 | 1780 | 2 | A | 3 | 4 1/2 | 3 | 7 3/4 | 7/8 | 7 5/8 | 5/8 | 5/8 |
| T2CVA200-4N-90-AA | 1500 | 2000 | 1272 | 1780 | 2 | A | 3 | 4 1/2 | 3 | 7 3/4 | 7/8 | 7 5/8 | 5/8 | 5/8 |
| T2CV200-4N4-AA | 1500 | 2000 | 1272 | 1780 | 2 | A | 4 | 4 1/2 | 4 | 8 3/4 | 7/8 | 7 5/8 | 1 1/8 | 5/8 |
| T2CVA200-4N4-30-AA | 1500 | 2000 | 1272 | 1780 | 2 | A | 4 | 4 1/2 | 4 | 8 3/4 | 7/8 | 7 5/8 | 1 1/8 | 5/8 |
| T2CVA200-4N4-45-AA | 1500 | 2000 | 1272 | 1780 | 2 | A | 4 | 4 1/2 | 4 | 8 3/4 | 7/8 | 7 5/8 | 1 1/8 | 5/8 |
| T2CVA200-4N4-90-AA | 1500 | 2000 | 1272 | 1780 | 2 | A | 4 | 4 1/2 | 4 | 8 3/4 | 7/8 | 7 5/8 | 1 1/8 | 5/8 |
| T2CV200-6N4-AA | 1500 | 2000 | 1272 | 1780 | 3 | A | 6 | 4 1/2 | 4 | 8 3/4 | 7/8 | 7 5/8 | 1 1/8 | 5/8 |
| T2CVA200-6N4-30-AA | 1500 | 2000 | 1272 | 1780 | 3 | A | 6 | 4 1/2 | 4 | 8 3/4 | 7/8 | 7 5/8 | 1 1/8 | 5/8 |
| T2CVA200-6N4-45-AA | 1500 | 2000 | 1272 | 1780 | 3 | A | 6 | 4 1/2 | 4 | 8 3/4 | 7/8 | 7 5/8 | 1 1/8 | 5/8 |
| T2CVA200-6N4-90-AA | 1500 | 2000 | 1272 | 1780 | 3 | A | 6 | 4 1/2 | 4 | 8 3/4 | 7/8 | 7 5/8 | 1 1/8 | 5/8 |
| T2CV250-4N-AA | 2000 | 2500 | 1780 | 2300 | 2 | A | 3 | 4 1/2 | 3 | 7 3/4 | 7/8 | 8 | 5/8 | 5/8 |
| T2CVA250-4N-30-AA | 2000 | 2500 | 1780 | 2300 | 2 | A | 3 | 4 1/2 | 3 | 7 3/4 | 7/8 | 8 | 5/8 | 5/8 |
| T2CVA250-4N-45-AA | 2000 | 2500 | 1780 | 2300 | 2 | A | 3 | 4 1/2 | 3 | 7 3/4 | 7/8 | 8 | 5/8 | 5/8 |
| T2CVA250-4N-90-AA | 2000 | 2500 | 1780 | 2300 | 2 | A | 3 | 4 1/2 | 3 | 7 3/4 | 7/8 | 8 | 5/8 | 5/8 |
| T2CV250-4N4-AA | 2000 | 2500 | 1780 | 2300 | 2 | A | 4 | 4 1/2 | 4 | 8 3/4 | 7/8 | 8 | 1 1/8 | 5/8 |
| T2CVA250-4N4-30-AA | 2000 | 2500 | 1780 | 2300 | 2 | A | 4 | 4 1/2 | 4 | 8 3/4 | 7/8 | 8 | 1 1/8 | 5/8 |
| T2CVA250-4N4-45-AA | 2000 | 2500 | 1780 | 2300 | 2 | A | 4 | 4 1/2 | 4 | 8 3/4 | 7/8 | 8 | 1 1/8 | 5/8 |
| T2CVA250-4N4-90-AA | 2000 | 2500 | 1780 | 2300 | 2 | A | 4 | 4 1/2 | 4 | 8 3/4 | 7/8 | 8 | 1 1/8 | 5/8 |
| T2CV250-6N4-AA | 2000 | 2500 | 1780 | 2300 | 3 | A | 6 | 4 1/2 | 4 | 8 3/4 | 7/8 | 8 | 1 1/8 | 5/8 |
| T2CVA250-6N4-30-AA | 2000 | 2500 | 1780 | 2300 | 3 | A | 6 | 4 1/2 | 4 | 8 3/4 | 7/8 | 8 | 1 1/8 | 5/8 |
| T2CVA250-6N4-45-AA | 2000 | 2500 | 1780 | 2300 | 3 | A | 6 | 4 1/2 | 4 | 8 3/4 | 7/8 | 8 | 1 1/8 | 5/8 |
| T2CVA250-6N4-90-AA | 2000 | 2500 | 1780 | 2300 | 3 | A | 6 | 4 1/2 | 4 | 8 3/4 | 7/8 | 8 | 1 1/8 | 5/8 |
| T2CV250-6-4N-AA | 2000 | 2500 | 1780 | 2300 | 2 | B | 3 | 4 1/2 | 3 | 7 3/4 | 7/8 | 9 15/16 | 5/8 | 5/8 |
| T2CVA250-6-4N-30-AA | 2000 | 2500 | 1780 | 2300 | 2 | B | 3 | 4 1/2 | 3 | 7 3/4 | 7/8 | 9 15/16 | 5/8 | 5/8 |
| T2CVA250-6-4N-45-AA | 2000 | 2500 | 1780 | 2300 | 2 | B | 3 | 4 1/2 | 3 | 7 3/4 | 7/8 | 9 15/16 | 5/8 | 5/8 |
| T2CVA250-6-4N-90-AA | 2000 | 2500 | 1780 | 2300 | 2 | B | 3 | 4 1/2 | 3 | 7 3/4 | 7/8 | 9 15/16 | 5/8 | 5/8 |
| T2CV250-6-4N4-AA | 2000 | 2500 | 1780 | 2300 | 2 | B | 4 | 4 1/2 | 4 | 8 3/4 | 7/8 | 9 15/16 | 1 1/8 | 5/8 |
| T2CVA250-6-4N4-30-AA | 2000 | 2500 | 1780 | 2300 | 2 | B | 4 | 4 1/2 | 4 | 8 3/4 | 7/8 | 9 15/16 | 1 1/8 | 5/8 |
| T2CVA250-6-4N4-45-AA | 2000 | 2500 | 1780 | 2300 | 2 | B | 4 | 4 1/2 | 4 | 8 3/4 | 7/8 | 9 15/16 | 1 1/8 | 5/8 |
| T2CVA250-6-4N4-90-AA | 2000 | 2500 | 1780 | 2300 | 2 | B | 4 | 4 1/2 | 4 | 8 3/4 | 7/8 | 9 15/16 | 1 1/8 | 5/8 |





© 2011, AFL, all rights reserved. PP-3-00470, Revision 3, 6.11.18
Specifications are subject to change without notice.

DOSSERT®

# TYPE T2CV-N-AA, T2CVA-N-30-AA, T2CVA-N-45-AA, T2CVA-N-90-AA

**Aluminum Terminal for 2 Cables**

## Ordering Information

| CATALOG NO. | CABLE RANGE | | | | FIG. NO. | DETAIL | DIMENSIONS IN INCHES | | | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AAC | | ACSR | | | | | | | | | | | |
| | MIN | MAX | MIN | MAX | | | A | B | C | L | T | W | X | |
| T2CV250-6-6N4-AA | 2000 | 2500 | 1780 | 2300 | 3 | B | 6 | 4 1/2 | 4 | 8 3/4 | 7/8 | 9 15/16 | 1 1/8 | 5/8 |
| T2CVA250-6-6N4-30-AA | 2000 | 2500 | 1780 | 2300 | 3 | B | 6 | 4 1/2 | 4 | 8 3/4 | 7/8 | 9 15/16 | 1 1/8 | 5/8 |
| T2CVA250-6-6N4-45-AA | 2000 | 2500 | 1780 | 2300 | 3 | B | 6 | 4 1/2 | 4 | 8 3/4 | 7/8 | 9 15/16 | 1 1/8 | 5/8 |
| T2CVA250-6-6N4-90-AA | 2000 | 2500 | 1780 | 2300 | 3 | B | 6 | 4 1/2 | 4 | 8 3/4 | 7/8 | 9 15/16 | 1 1/8 | 5/8 |
| T2CV364-5N4-AA | 3000 | 3640 | NA | NA | 3 | A | 5 | 4 1/2 | 3 | 8 3/4 | 7/8 | 8 3/4 | 1 1/8 | 5/8 |
| T2CVA364-5N4-30-AA | 3000 | 3640 | NA | NA | 3 | A | 5 | 4 1/2 | 3 | 8 3/4 | 7/8 | 8 3/4 | 1 1/8 | 5/8 |
| T2CVA364-5N4-45-AA | 3000 | 3640 | NA | NA | 3 | A | 5 | 4 1/2 | 3 | 8 3/4 | 7/8 | 8 3/4 | 1 1/8 | 5/8 |
| T2CVA364-5N4-90-AA | 3000 | 3640 | NA | NA | 3 | A | 5 | 4 1/2 | 3 | 8 3/4 | 7/8 | 8 3/4 | 1 1/8 | 5/8 |





© 2011, AFL, all rights reserved. PP-3-00470, Revision 3, 6.11.18
Specifications are subject to change without notice.

# 230 kV Aluminum Bolted Terminal Connectors

## DOSSERT®

## TYPE TCV-N-AA, TCVA-N-15-AA, TCVA-N-30-AA, TCVA-N-45-AA, TCVA-N-90-AA

**NEMA Terminal for Cable Terminal Lug Cable**



A variable clamp type terminal for connecting a cable to a flat bar bus. Each size terminal accommodates a wide range of cable sizes. Designed to carry the full rated load of the maximum conductor without overheating. Contact pads other than those listed below can be promptly furnished to any specified size or drilling. The variable type terminal exhibits its advantage in that one connector will accommodate a number of cable sizes. This minimizes greatly the problem of stocking various sizes of connectors and the errors which occur in specifying connectors for specific cable sizes.

### Material

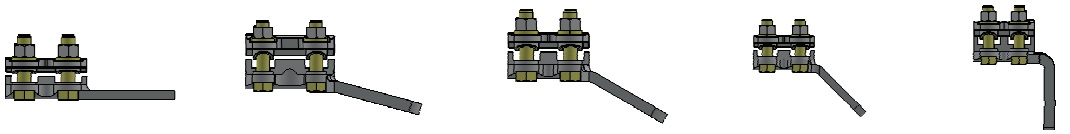
Aluminum Alloy

### Hardware

Yellow anodized aluminum nuts, bolts and lockwashers

### Notes

- For Finished Surface on both sides of pad, add "-F" to catalog number. EX: TCV25-4NF-AA.
- For Contact Surfaces prefilled with Dostex and packaged in Polyethylene Bag, add "-LP" to catalog number. EX: TCV60-2N-AA-LP.
- For Stainless Steel bolts, lockwashers and Everdur nuts, add "-SSHBN" to catalog number. EX: TCV300-6N4-AA-SSHBN.



TCV-N-AA | TCVA-N-15-AA | TCVA-N-30-AA | TCVA-N-45-AA | TCVA-N-90-AA

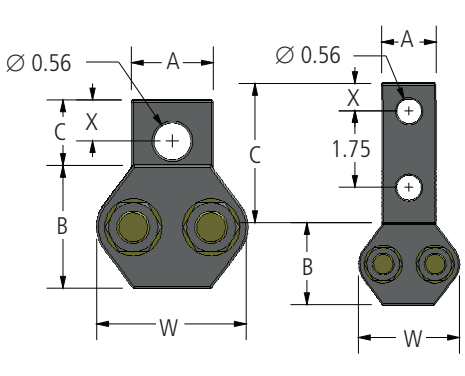



FIG. 1




FIG. 2

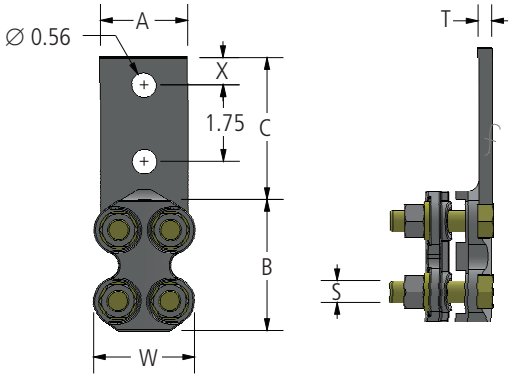



FIG. 3

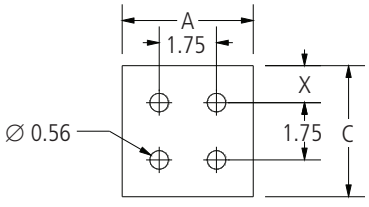



FIG. 4

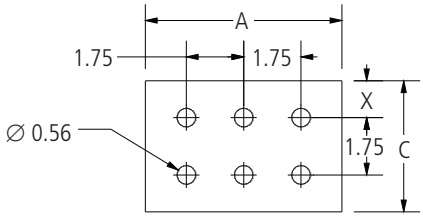



FIG. 5



© 2011, AFL, all rights reserved. PP-3-00473, Revison 6, 4.9.2021
Specifications are subject to change without notice.

# DOSSERT®

## TYPE TCV-N-AA, TCVA-N-15-AA, TCVA-N-30-AA, TCVA-45-AA, TCVA-90-AA

**NEMA Terminal for Cable Terminal Lug Cable**

### Ordering Information

| CATALOG NUMBER | CABLE RANGE | | | | FIG. NO. | DIMENSIONS IN INCHES | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ALUMINUM | | ACSR | | | | | | | | | |
| | MIN | MAX | MIN | MAX | | A | B | C | W | X | T | S |
| TCV10-1-AA | #4 STR | 1/0 STR | #4 | 1/0 | 1 | 1.50 | 1.88 | 1.44 | 2.31 | 0.63 | 0.31 | 1/2 |
| TCV10-2N-AA | #4 STR | 1/0 STR | #4 | 1/0 | 2 | 1.50 | 1.88 | 3.25 | 2.31 | 0.63 | 0.31 | 1/2 |
| TCV25-2N-AA | 1/0 | 250 | 1/0 | 4/0 | 3 | 1.63 | 3.00 | 3.25 | 2.31 | 0.63 | 0.31 | 1/2 |
| TCV25-4N-AA | 1/0 | 250 | 1/0 | 4/0 | 4 | 3.00 | 3.00 | 3.25 | 2.31 | 0.63 | 0.31 | 1/2 |
| TCV25-4N4-AA | 1/0 | 250 | 1/0 | 4/0 | 4 | 4.00 | 3.00 | 4.25 | 2.31 | 1.13 | 0.31 | 1/2 |
| TCV40-2N-AA | 250 | 400 | 4/0 | 397.5 | 3 | 2.00 | 3.00 | 3.25 | 2.50 | 0.63 | 0.38 | 1/2 |
| TCV40-4N-AA | 250 | 400 | 4/0 | 397.5 | 4 | 3.00 | 3.00 | 3.25 | 2.50 | 0.63 | 0.38 | 1/2 |
| TCV40-4N4-AA | 250 | 400 | 4/0 | 397.5 | 4 | 4.00 | 3.00 | 4.25 | 2.50 | 1.13 | 0.38 | 1/2 |
| TCV60-2N3-AA | 350 | 600 | 336.4 | 477 | 3 | 2.00 | 3.00 | 3.38 | 2.69 | 0.63 | 0.38 | 1/2 |
| TCV60-2N-AA | 350 | 600 | 336.4 | 477 | 3 | 1.81 | 3.00 | 3.25 | 2.69 | 0.63 | 0.38 | 1/2 |
| TCV60-4N-AA | 350 | 600 | 336.4 | 477 | 4 | 3.00 | 3.00 | 3.38 | 2.69 | 0.63 | 0.38 | 1/2 |
| TCV60-4N4-AA | 350 | 600 | 336.4 | 477 | 4 | 4.00 | 3.00 | 4.25 | 2.69 | 1.13 | 0.38 | 1/2 |
| TCV60-6N4-AA | 350 | 600 | 336.4 | 477 | 5 | 6.00 | 3.00 | 4.25 | 2.69 | 1.13 | 0.44 | 1/2 |
| TCV90-2N-AA | 500 | 900 | 477 | 795 | 3 | 2.00 | 3.00 | 3.25 | 2.88 | 0.63 | 0.50 | 1/2 |
| TCV90-4N-AA | 500 | 900 | 477 | 795 | 4 | 3.00 | 3.00 | 3.25 | 2.88 | 0.63 | 0.50 | 1/2 |
| TCV90-4N4-AA | 500 | 900 | 477 | 795 | 4 | 4.00 | 3.00 | 4.25 | 2.88 | 1.13 | 0.50 | 1/2 |
| TCV125-2N-AA | 900 | 1250 | 715 | 1113 | 3 | 2.63 | 3.25 | 3.25 | 3.06 | 0.63 | 0.50 | 1/2 |
| TCV125-4N-AA | 900 | 1250 | 715 | 1113 | 4 | 3.00 | 3.25 | 3.25 | 3.06 | 0.63 | 0.50 | 1/2 |
| TCV125-4N4-AA | 900 | 1250 | 715 | 1113 | 4 | 4.00 | 3.25 | 4.25 | 3.06 | 1.13 | 0.50 | 1/2 |
| TCV160-2N-AA | 1250 | 1600 | 1113 | 1431 | 3 | 2.00 | 4.38 | 3.25 | 3.63 | 0.63 | 0.56 | 5/8 |
| TCV160-4N-AA | 1250 | 1600 | 1113 | 1431 | 4 | 3.00 | 4.38 | 3.25 | 3.63 | 0.63 | 0.56 | 5/8 |
| TCV160-4N4-AA | 1250 | 1600 | 1113 | 1431 | 4 | 4.00 | 4.38 | 4.25 | 3.63 | 1.13 | 0.56 | 5/8 |
| TCV160-6N4-AA | 1250 | 1600 | 1113 | 1431 | 5 | 6.00 | 4.38 | 4.25 | 3.63 | 1.13 | 0.56 | 5/8 |
| TCV200-2N-AA | 1500 | 2000 | 1272 | 1780 | 3 | 2.00 | 4.50 | 3.25 | 3.88 | 0.63 | 0.69 | 5/8 |
| TCV200-4N-AA | 1500 | 2000 | 1272 | 1780 | 4 | 3.00 | 4.50 | 3.25 | 3.88 | 0.63 | 0.69 | 5/8 |
| TCV200-4N4-AA | 1500 | 2000 | 1272 | 1780 | 4 | 4.00 | 4.50 | 4.25 | 3.88 | 1.13 | 0.69 | 5/8 |
| TCV200-6N4-AA | 1500 | 2000 | 1272 | 1780 | 5 | 6.00 | 4.50 | 4.25 | 3.88 | 1.13 | 0.69 | 5/8 |
| TCV250-4N-AA | 2000 | 2500 | 1780 | 2300 | 4 | 3.00 | 4.50 | 3.25 | 3.94 | 0.63 | 0.75 | 5/8 |
| TCV250-4N4-AA | 2000 | 2500 | 1780 | 2300 | 4 | 4.00 | 4.50 | 4.25 | 3.94 | 1.13 | 0.75 | 5/8 |
| TCV250-6N4-AA | 2000 | 2500 | 1780 | 2300 | 5 | 6.00 | 4.50 | 4.25 | 3.94 | 1.13 | 0.75 | 5/8 |
| TCV300-6N4-AA | 2500 | 3000 | 1780 | 2870 | 5 | 6.00 | 6.00 | 4.25 | 4.13 | 1.13 | 1.00 | 5/8 |

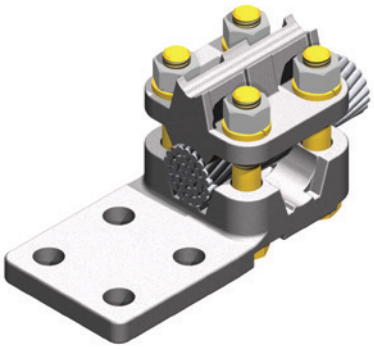


© 2011, AFL, all rights reserved. PP-3-00473, Revison 6, 4.9.2021
Specifications are subject to change without notice.

# 230 kV Aluminum Bolted Terminal Connectors

## DOSSERT®

## TYPE TCX-AA
### Wide Range Terminal



TCX can be used as a cable tap terminal or a straight terminal. A variable clamp type terminal or tap for connecting a cable or pipe to a flat bar bus. Each size accommodates a wide range of cable sizes. New terminal series reduces stock with extended range taking capabilities. Excellent for use due to storm damage. Three terminals provide cable range from #2 solid to 3500 MCM. Available in pad sizes from two-hole to six-hole pads.

### Material

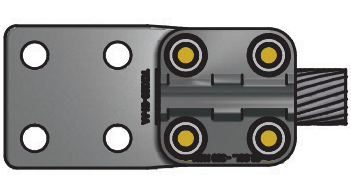
Aluminum Alloy

### Hardware

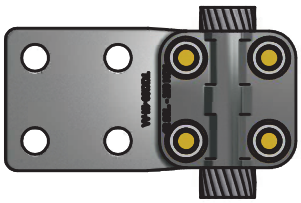
Yellow anodized aluminum nuts, bolts and lockwashers.

### Notes

- For angled pad, add "A" to prefix and angle to catalog number. EX: TCXA350-4N4-45-AA
- For Grade Five Galvanized Steel Hardware, add "-GS5" to catalog number. EX: TCX350-4N4-AA-GS5



TERMINAL USE



TAP USE

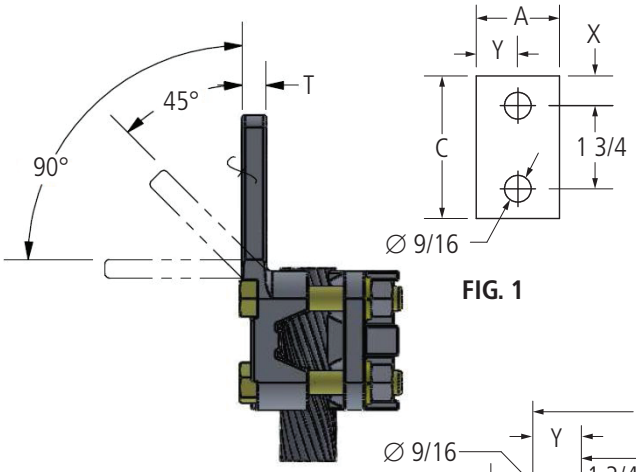






FIG. 1

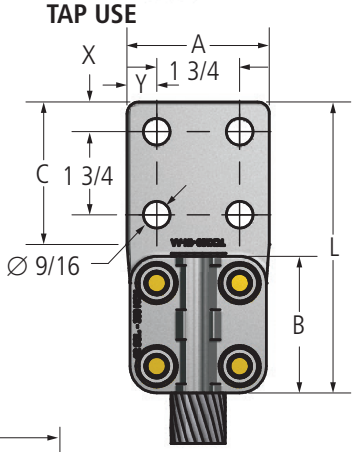



FIG. 2

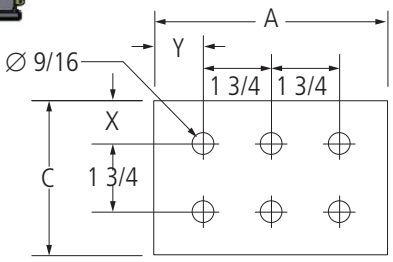



FIG. 3



© 2011, AFL, all rights reserved. PP-3-00475, Revision 5, 8.8.2022
Specifications are subject to change without notice.

DOSSERT®

# TYPE TCX-AA
## Wide Range Terminal

## Ordering Information

| CATALOG NUMBER | FIG. NO. | CONDUCTOR RANGE (AAC) | | | S.P.S. | DIMENSIONS IN INCHES | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ACSR OR AAC | RUN OR TAP | | | | | | | | | |
| | | | MIN | MAX | RUN OR TAP | A | B | C | L | T | X | Y |
| TCX100-2N-AA | 1 | AAC | #2 SOL. | 1000 MCM | 3/8 - 3/4 | 2 1/32 | 3 1/16 | 3 1/8 | 6 7/16 | 1/2 | 5/8 | 1 1/64 |
| | | ACSR | 4(7/1) | 900(36/1) | | | | | | | | |
| TCX100-4N-AA | 2 | AAC | #2 SOL. | 1000 MCM | 3/8 - 3/4 | 3 | 2 7/8 | 3 | 6 1/8 | 1/2 | 5/8 | 5/8 |
| | | ACSR | 4(7/1) | 900(36/1) | | | | | | | | |
| TCX100-4N4-AA | 2 | AAC | #2 SOL. | 1000 MCM | 3/8 - 3/4 | 4 | 2 7/8 | 4 | 7 1/8 | 1/2 | 1 1/8 | 1 1/8 |
| | | ACSR | 4 (7/1) | 900 (36/1) | | | | | | | | |
| TCX100-6NA-AA | 3 | AAC | #2 SOL. | 1000 MCM | 3/8 - 3/4 | 6 | 2 7/8 | 4 | 7 1/8 | 1/2 | 1 1/8 | 1 1/4 |
| | | ACSR | 4(7/1) | 900(36/1) | | | | | | | | |
| TCX200-4N-AA | 2 | AAC | 4/0 STR. | 2000 MCM | 3/8 - 1 1/4 | 3 | 3 3/8 | 3 | 6 5/8 | 11/16 | 5/8 | 5/8 |
| | | ACSR | 4/0(6/1) | 1780(84/19) | | | | | | | | |
| TCX200-4N4-AA | 2 | AAC | 4/0 STR. | 2000 MCM | 3/8 - 1 1/4 | 4 | 3 3/8 | 4 | 7 5/8 | 11/16 | 1 1/8 | 1 1/8 |
| | | ACSR | 4/0(6/1) | 1780(84/19) | | | | | | | | |
| TCX350-4N4-AA | 2 | AAC | 795 MCM | 3500 MCM | – | 4 | 4 1/2 | 4 | 9 | 3/4 | 1 1/8 | 1 1/8 |
| | | ACSR | 795(54/7) | 2515(76/19) | | | | | | | | |
| TCX350-6N4-AA | 3 | AAC | 795 MCM | 3500 MCM | – | 6 | 4 1/2 | 4 1/2 | 9 | 11/16 | 1 1/8 | 1 1/4 |
| | | ACSR | 795(54/7) | 2515(76/19) | | | | | | | | |

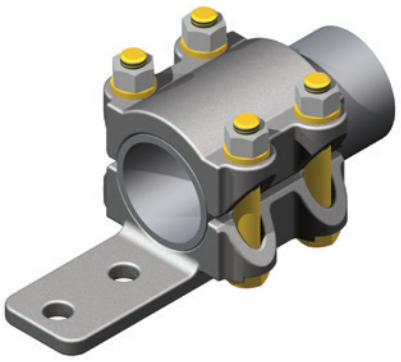


© 2011, AFL, all rights reserved. PP-3-00475, Revision 5, 8.8.2022
Specifications are subject to change without notice.

DOSSERT®

# TYPE TP-N-AA, TPA-N-30-AA, TPA-N-45-AA, TPA-N-60-AA, TPA-N-90-AA

## Terminal Pipe Lug



A bolted clamp type terminal for connecting standard pipe size tubular buses to flat surfaces.

### Material

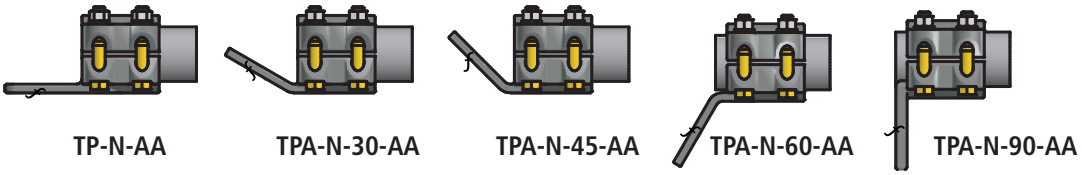
Aluminum Alloy

### Hardware

Yellow anodized aluminum nuts, bolts and lockwashers.

### Notes

- Add an 'A' after TP. For a 30°, add '-30'; for a 45°, add '-45'; for a 60°, add '-60'; for a 90°, add '-90'. For a 1" pipe, with a 2 hole pad, at 45°, order TPA100-2N-45-AA.
- For a finished pad on both sides, add "F" to the end of pad number in catalog number EX: TPA100-2NF-45-AA.
- For contact surfaces coated with NO-OX-ID and packaged in polyethelene bag, add suffix "LP" to end of catalog number. EX: TP200-4N4-AA-LP



TP-N-AA | TPA-N-30-AA | TPA-N-45-AA | TPA-N-60-AA | TPA-N-90-AA

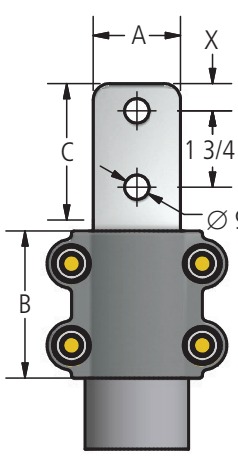



FIG. 1

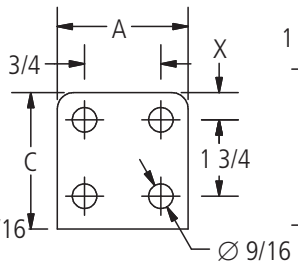



FIG. 2

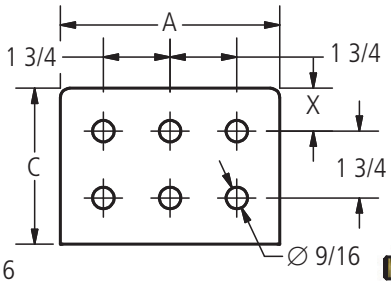
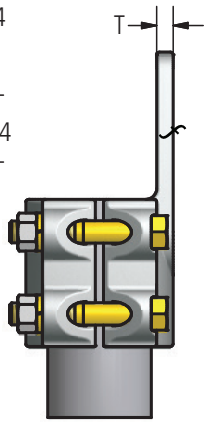



FIG. 3








© 2011, AFL, all rights reserved. PP-3-00478, Revision 5, 1.30.19
Specifications are subject to change without notice.

DOSSERT®

# TYPE TP-N-AA, TPA-N-30-AA, TPA-N-45-AA, TPA-N-60-AA, TPA-N-90-AA

**Terminal Pipe Lug**

## Ordering Information

| CATALOG NUMBER | | | | | SPS | FIG. NO. | DIMENSIONS IN INCHES | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| STRAIGHT | 30 DEGREE | 45 DEGREE | 60 DEGREE | 90 DEGREE | | | A | B | C | T | X |
| TP50-2N-AA | TPA50-2N-30-AA | TPA50-2N-45-AA | TPA50-2N-60-AA | TPA50-2N-90-AA | 1/2 | 1 | 1 1/2 | 2 1/2 | 3 | 3/8 | 5/8 |
| TP50-4N-AA | TPA50-4N-30-AA | TPA50-4N-45-AA | TPA50-4N-60-AA | TPA50-4N-90-AA | 1/2 | 2 | 3 | 2 1/2 | 3 | 3/8 | 5/8 |
| TP75-2N-AA | TPA75-2N-30-AA | TPA75-2N-45-AA | TPA75-2N-60-AA | TPA75-2N-90-AA | 3/4 | 1 | 1 1/2 | 2 3/4 | 3 | 3/8 | 5/8 |
| TP75-4N-AA | TPA75-4N-30-AA | TPA75-4N-45-AA | TPA75-4N-60-AA | TPA75-4N-90-AA | 3/4 | 2 | 3 | 2 3/4 | 3 | 3/8 | 5/8 |
| TP100-2N-AA | TPA100-2N-30-AA | TPA100-2N-45-AA | TPA100-2N-60-AA | TPA100-2N-90-AA | 1 | 1 | 1 3/4 | 2 3/4 | 3 | 3/8 | 5/8 |
| TP100-4N-AA | TPA100-4N-30-AA | TPA100-4N-45-AA | TPA100-4N-60-AA | TPA100-4N-90-AA | 1 | 2 | 3 | 2 3/4 | 3 | 3/8 | 5/8 |
| TP125-2N-AA | TPA125-2N-30-AA | TPA125-2N-45-AA | TPA125-2N-60-AA | TPA125-2N-90-AA | 1 1/4 | 1 | 2 | 3 | 3 | 1/2 | 5/8 |
| TP125-4N-AA | TPA125-4N-30-AA | TPA125-4N-45-AA | TPA125-4N-60-AA | TPA125-4N-90-AA | 1 1/4 | 2 | 3 | 3 | 3 | 1/2 | 5/8 |
| TP125-4N4-AA | TPA125-4N4-30-AA | TPA125-4N4-45-AA | TPA125-4N4-60-AA | TPA125-4N4-90-AA | 1 1/4 | 2 | 4 | 3 | 4 | 1/2 | 1 1/8 |
| TP150-2N-AA | TPA150-2N-30-AA | TPA150-2N-45-AA | TPA150-2N-60-AA | TPA150-2N-90-AA | 1 1/2 | 1 | 2 | 3 | 3 | 1/2 | 5/8 |
| TP150-4N-AA | TPA150-4N-30-AA | TPA150-4N-45-AA | TPA150-4N-60-AA | TPA150-4N-90-AA | 1 1/2 | 2 | 3 | 3 | 3 | 1/2 | 5/8 |
| TP150-4N4-AA | TPA150-4N4-30-AA | TPA150-4N4-45-AA | TPA150-4N4-60-AA | TPA150-4N4-90-AA | 1 1/2 | 2 | 4 | 3 | 4 | 1/2 | 1 1/8 |
| TP200-2N-AA | TPA200-2N-30-AA | TPA200-2N-45-AA | TPA200-2N-60-AA | TPA200-2N-90-AA | 2 | 1 | 2 | 3 1/4 | 3 | 1/2 | 5/8 |
| TP200-4N-AA | TPA200-4N-30-AA | TPA200-4N-45-AA | TPA200-4N-60-AA | TPA200-4N-90-AA | 2 | 2 | 3 | 3 1/4 | 3 | 1/2 | 5/8 |
| TP200-4N4-AA | TPA200-4N4-30-AA | TPA200-4N4-45-AA | TPA200-4N4-60-AA | TPA200-4N4-90-AA | 2 | 2 | 4 | 3 1/4 | 4 | 1/2 | 1 1/8 |
| TP250-2N-AA | TPA250-2N-30-AA | TPA250-2N-45-AA | TPA250-2N-60-AA | TPA250-2N-90-AA | 2 1/2 | 1 | 2 | 3 1/4 | 3 | 5/8 | 5/8 |
| TP250-4N-AA | TPA250-4N-30-AA | TPA250-4N-45-AA | TPA250-4N-60-AA | TPA250-4N-90-AA | 2 1/2 | 2 | 3 | 3 1/4 | 3 | 5/8 | 5/8 |
| TP250-4N4-AA | TPA250-4N4-30-AA | TPA250-4N4-45-AA | TPA250-4N4-60-AA | TPA250-4N4-90-AA | 2 1/2 | 2 | 4 | 3 1/4 | 4 | 5/8 | 1 1/8 |
| TP300-4S4-AA | TPA300-4S4-30-AA | TPA300-4S4-45-AA | TPA300-4S4-60-AA | TPA300-4S4-90-AA | 3 | 2 | 4 | 3 3/4 | 4 | 5/8 | 1 |
| TP300-2N-AA | TPA300-2N-30-AA | TPA300-2N-45-AA | TPA300-2N-60-AA | TPA300-2N-90-AA | 3 | 1 | 2 | 3 3/4 | 3 | 5/8 | 5/8 |
| TP300-4N-AA | TPA300-4N-30-AA | TPA300-4N-45-AA | TPA300-4N-60-AA | TPA300-4N-90-AA | 3 | 2 | 3 | 3 3/4 | 3 | 5/8 | 5/8 |
| TP300-4N4-AA | TPA300-4N4-30-AA | TPA300-4N4-45-AA | TPA300-4N4-60-AA | TPA300-4N4-90-AA | 3 | 2 | 4 | 3 3/4 | 4 | 5/8 | 1 1/8 |
| TP300-6N4-AA | TPA300-6N4-30-AA | TPA300-6N4-45-AA | TPA300-6N4-60-AA | TPA300-6N4-90-AA | 3 | 3 | 6 | 3 3/4 | 4 | 5/8 | 1 1/8 |
| TP350-2N-AA | TPA350-2N-30-AA | TPA350-2N-45-AA | TPA350-2N-60-AA | TPA350-2N-90-AA | 3 1/2 | 1 | 3 | 3 1/2 | 3 | 3/4 | 5/8 |
| TP350-4N-AA | TPA350-4N-30-AA | TPA350-4N-45-AA | TPA350-4N-60-AA | TPA350-4N-90-AA | 3 1/2 | 2 | 3 | 3 1/2 | 3 | 3/4 | 5/8 |
| TP350-4N4-AA | TPA350-4N4-30-AA | TPA350-4N4-45-AA | TPA350-4N4-60-AA | TPA350-4N4-90-AA | 3 1/2 | 2 | 4 | 3 1/2 | 4 | 3/4 | 1 1/8 |
| TP350-6N4-AA | TPA350-6N4-30-AA | TPA350-6N4-45-AA | TPA350-6N4-60-AA | TPA350-6N4-90-AA | 3 1/2 | 3 | 6 | 3 1/2 | 4 | 3/4 | 1 1/8 |
| TP400-2N-AA | TPA400-2N-30-AA | TPA400-2N-45-AA | TPA400-2N-60-AA | TPA400-2N-90-AA | 4 | 2 | 3 | 3 3/4 | 3 | 3/4 | 5/8 |
| TP400-4N-AA | TPA400-4N-30-AA | TPA400-4N-45-AA | TPA400-4N-60-AA | TPA400-4N-90-AA | 4 | 2 | 3 | 3 3/4 | 3 | 3/4 | 5/8 |
| TP400-4N4-AA | TPA400-4N4-30-AA | TPA400-4N4-45-AA | TPA400-4N4-60-AA | TPA400-4N4-90-AA | 4 | 2 | 4 | 3 3/4 | 4 | 3/4 | 1 1/8 |
| TP400-6N4-AA | TPA400-6N4-30-AA | TPA400-6N4-45-AA | TPA400-6N4-60-AA | TPA400-6N4-90-AA | 4 | 3 | 6 | 3 3/4 | 4 | 13/16 | 1 1/8 |
| TP450-4N4-AA | TPA450-4N4-30-AA | TPA450-4N4-45-AA | TPA450-4N4-60-AA | TPA450-4N4-90-AA | 4 1/2 | 2 | 4 | 6 | 4 1/4 | 7/8 | 1 1/8 |
| TP500-4N-AA | TPA500-4N-30-AA | TPA500-4N-45-AA | TPA500-4N-60-AA | TPA500-4N-90-AA | 5 | 2 | 3 | 7 | 3 | 7/8 | 5/8 |
| TP500-4N4-AA | TPA500-4N4-30-AA | TPA500-4N4-45-AA | TPA500-4N4-60-AA | TPA500-4N4-90-AA | 5 | 2 | 4 | 7 | 4 | 1 1/4 | 1 1/8 |
| TP500-6N4-AA | TPA500-6N4-30-AA | TPA500-6N4-45-AA | TPA500-6N4-60-AA | TPA500-6N4-90-AA | 5 | 3 | 6 | 7 | 4 | 7/8 | 1 1/8 |
| TP600-4N4-AA | TPA600-4N4-30-AA | TPA600-4N4-45-AA | TPA600-4N4-60-AA | TPA600-4N4-90-AA | 6 | 2 | 4 | 5 | 4 | 1 1/4 | 1 1/8 |
| TP600-6N4-AA | TPA600-6N4-30-AA | TPA600-6N4-45-AA | TPA600-6N4-60-AA | TPA600-6N4-90-AA | 6 | 3 | 6 | 5 | 4 | 1 1/4 | 1 1/8 |
| TP800R-6N4-AA | TPA800R-6N4-30-AA | TPA800R-6N4-45-AA | TPA800R-6N4-60-AA | TPA800R-6N4-90-AA | 8 O.D. | 3 | 6 | 5 | 4 | 1 1/8 | 1 1/8 |



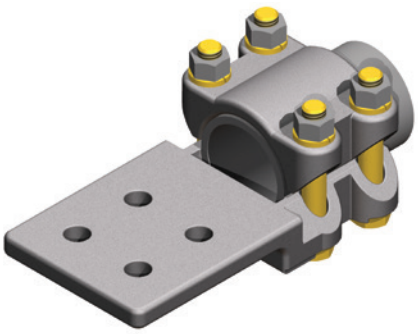


© 2011, AFL, all rights reserved. PP-3-00478, Revision 5, 1.30.19
Specifications are subject to change without notice.

# 230 kV Aluminum Bolted Terminal Connectors

## DOSSERT®

## TYPE TPC-N-AA
### Terminal Connector



Terminal is designed to connect to aluminum or copper pads. Pad conforms to NEMA standards.

### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum nuts, bolts and lockwashers.

### Notes

- For Contact surfaces prefilled with AFC and packaged in plyethelene bag, add "-LP" to catalog number. EX: TPC200-4N4-AA-LP
- For Finish on both sides of pad, add "F" to catalog number. EX: TPC200-4N4F-AA
- For Stainless Steel bolts, lockwashers and Everdur nuts, add "-SSHBN" to catalog number. EX: TPC250-4N4-AA-SSHBN
- For Galvanized Steel Hardware, add "-GS" to catalog number. EX: TPC600-4N4-AA-GS

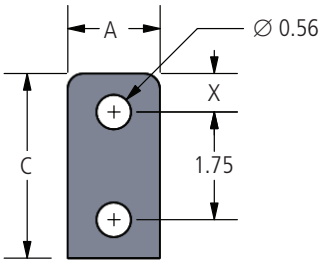



FIG. 1

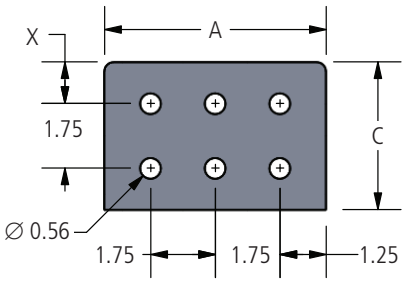



FIG. 3

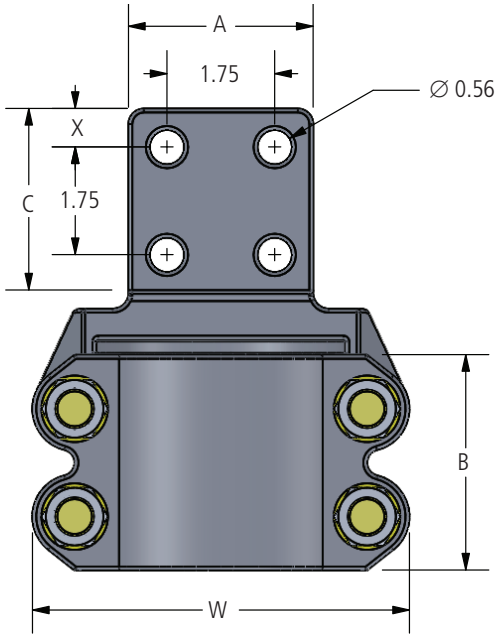
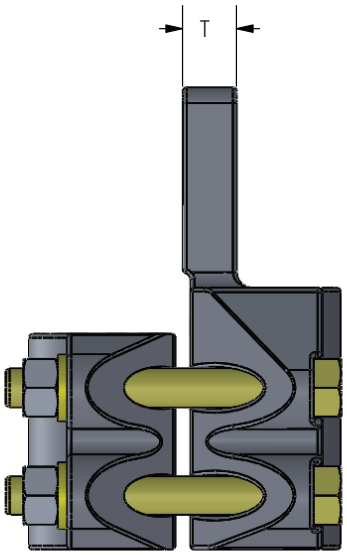



FIG. 2






© 2011, AFL, all rights reserved. PP-3-00479, Revision 3, 11.15.2022
Specifications are subject to change without notice.

# DOSSERT®

## TYPE TPC-N-AA
**Terminal Connector**

## Ordering Information

| CATALOG NO | SPS | FIG. NO. | DIMENSIONS IN INCHES | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | T | W | X | BOLT SIZE |
| TPC75-2N-AA | 3/4 | 1 | 1.50 | 2.75 | 3.00 | 0.38 | 2.75 | 0.63 | 1/2 |
| TPC75-4N-AA | 3/4 | 2 | 3.00 | 2.75 | 3.00 | 0.38 | 2.75 | 0.63 | 1/2 |
| TPC100-2N-AA | 1 | 1 | 2.00 | 2.75 | 3.00 | 0.38 | 3.07 | 0.63 | 1/2 |
| TPC100-4N-AA | 1 | 2 | 3.00 | 2.75 | 3.00 | 0.38 | 3.07 | 0.63 | 1/2 |
| TPC125-2N-AA | 1 1/4 | 1 | 2.00 | 3.00 | 3.00 | 0.50 | 3.45 | 0.63 | 1/2 |
| TPC125-4N-AA | 1 1/4 | 2 | 3.00 | 3.00 | 3.00 | 0.50 | 3.45 | 0.63 | 1/2 |
| TPC125-4N4-AA | 1 1/4 | 2 | 4.00 | 3.00 | 4.00 | 0.50 | 3.45 | 1.13 | 1/2 |
| TPC150-2N-AA | 1 1/2 | 1 | 2.00 | 3.00 | 3.00 | 0.50 | 3.69 | 0.63 | 1/2 |
| TPC150-4N-AA | 1 1/2 | 2 | 3.00 | 3.00 | 3.00 | 0.50 | 3.69 | 0.63 | 1/2 |
| TPC150-4N4-AA | 1 1/2 | 2 | 4.00 | 3.00 | 4.00 | 0.50 | 3.69 | 1.13 | 1/2 |
| TPC200-2N-AA | 2 | 1 | 2.00 | 3.25 | 3.00 | 0.63 | 4.13 | 0.63 | 1/2 |
| TPC200-4N-AA | 2 | 2 | 3.00 | 3.25 | 3.00 | 0.63 | 4.13 | 0.63 | 1/2 |
| TPC200-4N4-AA | 2 | 2 | 4.00 | 3.25 | 4.00 | 0.63 | 4.13 | 1.13 | 1/2 |
| TPC250-2N-AA | 2 1/2 | 1 | 2.00 | 3.25 | 3.00 | 0.63 | 4.63 | 0.63 | 1/2 |
| TPC250-4N-AA | 2 1/2 | 2 | 3.00 | 3.25 | 3.00 | 0.63 | 4.63 | 0.63 | 1/2 |
| TPC250-4N4-AA | 2 1/2 | 2 | 4.00 | 3.25 | 4.00 | 0.63 | 4.63 | 1.13 | 1/2 |
| TPC300-2N-AA | 3 | 1 | 2.00 | 3.75 | 3.00 | 0.63 | 5.63 | 0.63 | 5/8 |
| TPC300-3N3-AA | 3 | 2 | 3.00 | 3.75 | 3.00 | 0.63 | 5.63 | 0.63 | 5/8 |
| TPC300-4N-AA | 3 | 2 | 4.75 | 3.75 | 3.00 | 0.88 | 5.63 | 0.63 | 5/8 |
| TPC300-4N4-AA | 3 | 2 | 4.00 | 3.75 | 4.00 | 0.88 | 5.63 | 1.13 | 5/8 |
| TPC350-3N3-AA | 3 1/2 | 2 | 3.00 | 3.50 | 3.00 | 0.75 | 6.13 | 0.63 | 5/8 |
| TPC350-4N-AA | 3 1/2 | 2 | 3.00 | 3.50 | 3.00 | 0.88 | 6.13 | 0.63 | 5/8 |
| TPC350-4N4-AA | 3 1/2 | 2 | 4.00 | 3.50 | 4.00 | 0.75 | 6.13 | 1.13 | 5/8 |
| TPC350-6N4-AA | 3 1/2 | 3 | 6.00 | 3.50 | 4.00 | 0.75 | 6.13 | 1.13 | 5/8 |
| TPC400-3N3-AA | 4 | 2 | 3.00 | 3.75 | 3.00 | 0.75 | 6.63 | 1.13 | 5/8 |
| TPC400-4N-AA | 4 | 2 | 3.00 | 3.75 | 3.00 | 0.75 | 6.63 | 0.63 | 5/8 |
| TPC400-4N4-AA | 4 | 2 | 4.00 | 3.75 | 4.00 | 0.75 | 6.63 | 1.13 | 5/8 |
| TPC400-5N4-AA | 4 | 3 | 5.00 | 3.75 | 4.00 | 0.75 | 6.63 | 1.13 | 5/8 |
| TPC400-6N4-AA | 4 | 3 | 6.00 | 3.75 | 4.00 | 0.75 | 6.63 | 1.13 | 5/8 |
| TPC500-4N4-AA | *5 | 2 | 4.00 | 7.00 | 4.00 | 0.88 | 7.69 | 1.13 | 5/8 |
| TPC500-5N4-AA | *5 | 3 | 5.00 | 7.00 | 4.00 | 1.00 | 7.69 | 1.13 | 5/8 |
| TPC500-6N4-AA | *5 | 3 | 6.00 | 7.00 | 4.00 | 1.00 | 7.69 | 1.13 | 5/8 |
| TPC600-4N-AA | *6 | 2 | 3.00 | 7.00 | 3.00 | 1.00 | 8.76 | 0.63 | 5/8 |
| TPC600-4N4-AA | *6 | 2 | 4.00 | 7.00 | 4.00 | 1.00 | 8.76 | 1.13 | 5/8 |
| TPC600-6N4-AA | *6 | 3 | 6.00 | 7.00 | 4.00 | 1.00 | 8.76 | 1.13 | 5/8 |

* Supplied with 6 Clamping Bolts



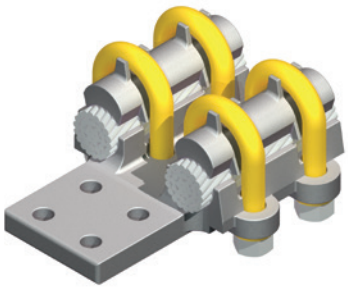
© 2011, AFL, all rights reserved. PP-3-00479, Revision 3, 11.15.2022
Specifications are subject to change without notice.

# 230 kV Aluminum Bolted Terminal Connectors

## DOSSERT®

## TYPE U2L-N-AA, U2LA-N-45-AA, U2LA-N-90-AA

### Aluminum Two Cable U Bolt Terminal



Terminals are designed to connect AAC or ACSR conductors to aluminum pads. Pads conform to NEMA standards. Terminals are designed with universal grooves to accept a wide range of conductor sizes. Captured U-bolts permit one wrench tightening of nuts.

### Material

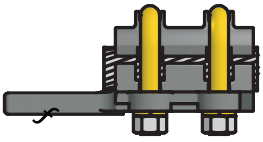
Aluminum Alloy

### Hardware

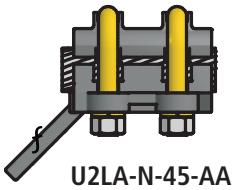
Aluminum U-bolts, lockwashers and nuts.

### Notes

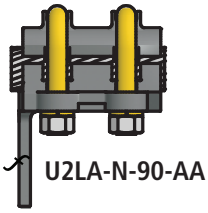
1. Contact pads can be furnished to any specification size and hole pattern.



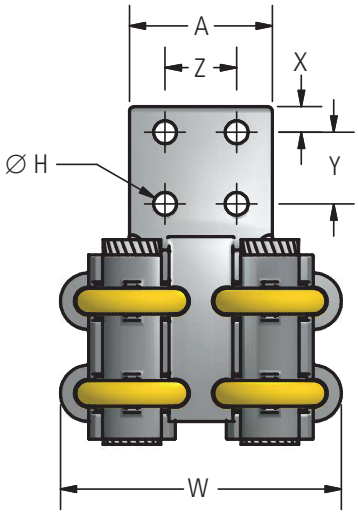
U2L-N-AA

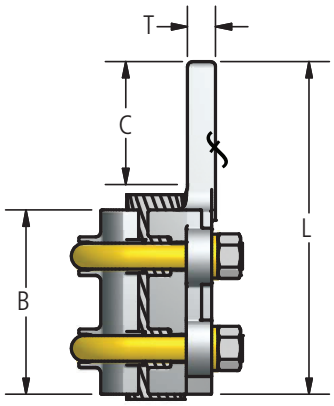


U2LA-N-45-AA



U2LA-N-90-AA




## Ordering Information

| CATALOG NUMBER | | | CABLE RANGE | | DIMENSIONS IN INCHES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STRAIGHT | 45 DEGREE | 90 DEGREE | MIN | MAX | A | B | C | H | L | T | W | X | Y&Z | U-BOLT |
| U2L30-4N-AA | U2LA30-4N-45-AA | U2LA30-4N-90-AA | 1/0 | 300 | 3.00 | 3.25 | 3.00 | 0.56 | 6.38 | 0.38 | 4.75 | 0.63 | 1.75 | 1/2 |
| U2L50-4N-AA | U2LA50-4N-45-AA | U2LA50-4N-90-AA | 300 | 500 | 3.00 | 3.25 | 3.00 | 0.56 | 6.50 | 0.38 | 5.00 | 0.63 | 1.75 | 1/2 |
| U2L50-4N4-AA | U2LA50-4N4-45-AA | U2LA50-4N4-90-AA | 300 | 500 | 4.00 | 3.25 | 4.00 | 0.56 | 7.50 | 0.38 | 5.00 | 1.13 | 1.75 | 1/2 |
| U2L90-4N-AA | U2LA90-4N-45-AA | U2LA90-4N-90-AA | 500 | 900 | 3.00 | 3.50 | 3.00 | 0.56 | 6.75 | 0.50 | 5.63 | 0.63 | 1.75 | 1/2 |
| U2L90-4N4-AA | U2LA90-4N4-45-AA | U2LA90-4N4-90-AA | 500 | 900 | 4.00 | 3.50 | 4.00 | 0.56 | 7.75 | 0.50 | 5.63 | 1.13 | 1.75 | 1/2 |
| U2L100-4N-AA | U2LA100-4N-45-AA | U2LA100-4N-90-AA | 750 | 1000 | 3.00 | 3.50 | 3.00 | 0.56 | 6.75 | 0.50 | 5.75 | 0.63 | 1.75 | 1/2 |
| U2L100-4N4-AA | U2LA100-4N4-45-AA | U2LA100-4N4-90-AA | 750 | 1000 | 4.00 | 3.50 | 4.00 | 0.56 | 7.75 | 0.50 | 5.75 | 1.13 | 1.75 | 1/2 |
| U2L150-4N-AA | U2LA150-4N-45-AA | U2LA150-4N-90-AA | 1000 | 1500 | 3.50 | 4.50 | 3.00 | 0.56 | 8.00 | 0.69 | 6.88 | 0.63 | 1.75 | 5/8 |
| U2L150-4N4-AA | U2LA150-4N4-45-AA | U2LA150-4N4-90-AA | 1000 | 1500 | 4.00 | 4.50 | 4.00 | 0.56 | 8.75 | 0.69 | 6.88 | 1.13 | 1.75 | 5/8 |
| U2L200-4N4-AA | U2LA200-4N4-45-AA | U2LA200-4N4-90-AA | 1500 | 2000 | 4.00 | 4.50 | 4.00 | 0.56 | 9.00 | 0.69 | 7.38 | 1.13 | 1.75 | 5/8 |

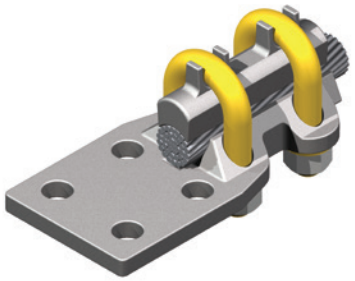


© 2011, AFL, all rights reserved. PP-3-00486, Revision 3, 8.7.2020
Specifications are subject to change without notice.

DOSSERT®

# TYPE UL-N-AA, ULA-N-45-AA, ULA-N-90-AA

## Aluminum U-Bolt Terminal



A U-bolt type variable terminal lug for connecting cables to flat bar busses. Designed to operate at cooler than conductor temperatures under maximum load conditions with the largest size cable of the range of cable sizes. Contact pads other than those listed can be promptly furnished to any specified size or drilling.

### Material

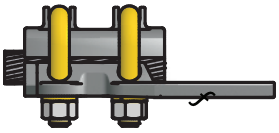
Aluminum Alloy

### Hardware

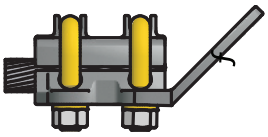
Aluminum bolts, lockwashers and nuts.

### Notes

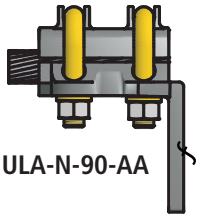
- For a 900 MCM cable, with a two-hole pad, at a 45° angle, order ULA90-2N-45-AA.
- For a 900 MCM cable, with a two-hole pad, at a 90° angle, order ULA90-2N-90-AA.
- For finished pad on both sides, add "F" to catalog number. EX: ULA90-2NF-90-AA.



UL-N-AA



ULA-N-45-AA



ULA-N-90-AA

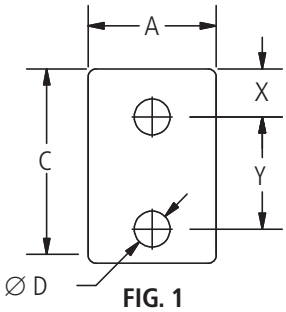
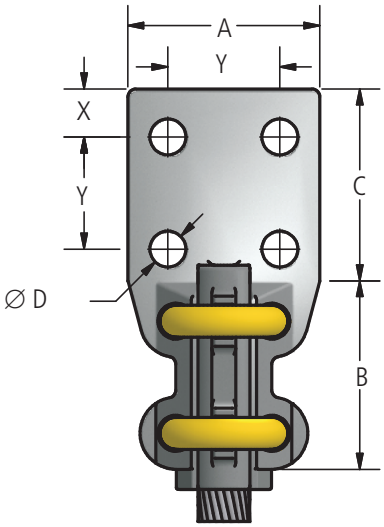



FIG. 1



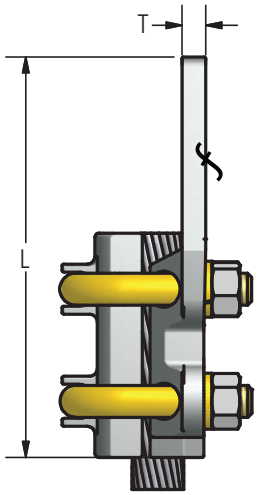




FIG. 2



© 2011, AFL, all rights reserved. PP-3-00502, Revision 6, 1.3.22
Specifications are subject to change without notice.

DOSSERT®

# TYPE UL-N-AA, ULA-N-45-AA, ULA-N-90-AA

**Aluminum U-Bolt Terminal**

## Ordering Information

| CATALOG NUMBER | | | CABLE RANGE | | FIG. NO. | DIMENSIONS IN INCHES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STRAIGHT | 45 DEGREE | 90 DEGREE | MIN | MAX | | A | B | C | D | L | T | X | Y | BOLT SIZE |
| UL13-2N-AA | ULA13-2N-45-AA | ULA13-2N-90-AA | 6 | #2/0 | 1 | 1.50 | 3.00 | 3.00 | 0.56 | 6.50 | 0.31 | 0.63 | 1.75 | 1/2 |
| UL13-4N-AA | ULA13-4N-45-AA | ULA13-4N-90-AA | 6 | #2/0 | 2 | 3.00 | 3.00 | 3.00 | 0.56 | 6.25 | 0.31 | 0.63 | 1.75 | 1/2 |
| UL21-2-AA | ULA21-2-45-AA | ULA21-2-90-AA | 1 | #4/0 | 1 | 1.25 | 3.00 | 2.13 | 0.44 | 5.38 | 0.38 | 0.50 | 1.75 | 1/2 |
| UL21-2N-AA | ULA21-2N-45-AA | ULA21-2N-90-AA | 1 | #4/0 | 1 | 1.50 | 3.00 | 3.00 | 0.56 | 6.25 | 0.38 | 0.63 | 1.75 | 1/2 |
| UL21-4N-AA | ULA21-4N-45-AA | ULA21-4N-90-AA | 1 | #4/0 | 2 | 3.00 | 3.00 | 3.00 | 0.56 | 6.25 | 0.38 | 0.63 | 1.75 | 1/2 |
| UL21-4N4-AA | ULA21-4N4-45-AA | ULA21-4N4-90-AA | 1 | #4/0 | 2 | 4.00 | 3.00 | 4.00 | 0.56 | 7.25 | 0.38 | 1.13 | 1.75 | 1/2 |
| UL30-2N-AA | ULA30-2N-45-AA | ULA30-2N-90-AA | 1/0 | 300 | 1 | 1.50 | 3.25 | 3.00 | 0.56 | 6.50 | 0.38 | 0.63 | 1.75 | 1/2 |
| UL30-4N-AA | ULA30-4N-45-AA | ULA30-4N-90-AA | 1/0 | 300 | 2 | 3.00 | 3.25 | 3.00 | 0.56 | 6.50 | 0.38 | 0.63 | 1.75 | 1/2 |
| UL30-4N4-AA | ULA30-4N4-45-AA | ULA30-4N4-90-AA | 1/0 | 300 | 2 | 4.00 | 3.25 | 4.00 | 0.56 | 7.50 | 0.38 | 1.13 | 1.75 | 1/2 |
| UL50-2N-AA | ULA50-2N-45-AA | ULA50-2N-90-AA | 300 | 500 | 1 | 1.75 | 3.25 | 3.00 | 0.56 | 6.63 | 0.38 | 0.63 | 1.75 | 1/2 |
| UL50-4N-AA | ULA50-4N-45-AA | ULA50-4N-90-AA | 300 | 500 | 2 | 3.00 | 3.25 | 3.00 | 0.56 | 6.63 | 0.38 | 0.63 | 1.75 | 1/2 |
| UL50-4N4-AA | ULA50-4N4-45-AA | ULA50-4N4-90-AA | 300 | 500 | 2 | 4.00 | 3.25 | 4.00 | 0.56 | 7.50 | 0.38 | 1.13 | 1.75 | 1/2 |
| UL60-2N-AA | ULA60-2N-45-AA | ULA60-2N-90-AA | 300 | 600 | 1 | 1.75 | 3.25 | 3.00 | 0.56 | 6.25 | 0.38 | 0.63 | 1.75 | 1/2 |
| UL90-2N-AA | ULA90-2N-45-AA | ULA90-2N-90-AA | 500 | 900 | 1 | 1.75 | 3.50 | 3.00 | 0.56 | 6.75 | 0.50 | 0.63 | 1.75 | 1/2 |
| UL90-4N-AA | ULA90-4N-45-AA | ULA90-4N-90-AA | 500 | 900 | 2 | 3.00 | 3.50 | 3.00 | 0.56 | 6.75 | 0.50 | 0.63 | 1.75 | 1/2 |
| UL90-4N4-AA | ULA90-4N4-45-AA | ULA90-4N4-90-AA | 500 | 900 | 2 | 4.00 | 3.50 | 4.00 | 0.56 | 7.75 | 0.50 | 1.13 | 1.75 | 1/2 |
| UL100-2N-AA | ULA100-2N-45-AA | ULA100-2N-90-AA | 750 | 1000 | 1 | 2.00 | 3.50 | 3.00 | 0.56 | 6.88 | 0.50 | 0.63 | 1.75 | 1/2 |
| UL100-4N-AA | ULA100-4N-45-AA | ULA100-4N-90-AA | 750 | 1000 | 2 | 3.00 | 3.50 | 3.00 | 0.56 | 6.88 | 0.50 | 0.63 | 1.75 | 1/2 |
| UL100-4N4-AA | ULA100-4N4-45-AA | ULA100-4N4-90-AA | 750 | 1000 | 2 | 4.00 | 3.50 | 4.00 | 0.56 | 8.00 | 0.50 | 1.13 | 1.75 | 1/2 |
| UL127-2N-AA | ULA127-2N-45-AA | ULA127-2N-90-AA | 600 | 1272 | 1 | 2.00 | 3.50 | 3.00 | 0.56 | 6.75 | 0.63 | 0.63 | 1.75 | 1/2 |
| UL150-2N-AA | ULA150-2N-45-AA | ULA150-2N-90-AA | 1000 | 1500 | 1 | 2.00 | 4.50 | 3.25 | 0.56 | 7.75 | 0.69 | 0.63 | 1.75 | 5/8 |
| UL150-4N-AA | ULA150-4N-45-AA | ULA150-4N-90-AA | 1000 | 1500 | 2 | 3.00 | 4.50 | 3.00 | 0.56 | 7.75 | 0.63 | 0.63 | 1.75 | 5/8 |
| UL150-4N4-AA | ULA150-4N4-45-AA | ULA150-4N4-90-AA | 1000 | 1500 | 2 | 4.00 | 4.50 | 4.00 | 0.56 | 8.75 | 0.63 | 1.13 | 1.75 | 5/8 |
| UL159-4N-AA | ULA159-4N-45-AA | ULA159-4N-90-AA | — | 1590 | 2 | 3.00 | 4.50 | 3.00 | 0.56 | 7.75 | 0.63 | 0.63 | 1.75 | 5/8 |
| UL159-4N4-AA | ULA159-4N4-45-AA | ULA159-4N4-90-AA | — | 1590 | 2 | 4.00 | 4.50 | 4.00 | 0.56 | 8.75 | 0.56 | 1.13 | 1.75 | 5/8 |
| UL200-2N-AA | ULA200-2N-45-AA | ULA200-2N-90-AA | 1500 | 2000 | 1 | 2.75 | 4.50 | 3.00 | 0.56 | 7.75 | 0.69 | 0.63 | 1.75 | 5/8 |
| UL200-4N-AA | ULA200-4N-45-AA | ULA200-4N-90-AA | 1500 | 2000 | 2 | 3.00 | 4.50 | 3.00 | 0.56 | 7.88 | 0.69 | 0.63 | 1.75 | 5/8 |
| UL200-4N4-AA | ULA200-4N4-45-AA | ULA200-4N4-90-AA | 1500 | 2000 | 2 | 4.00 | 4.50 | 4.00 | 0.56 | 9.13 | 0.69 | 1.13 | 1.75 | 5/8 |
| UL200-4S4-AA | ULA200-4S4-45-AA | ULA200-4S4-90-AA | 1500 | 2000 | 2 | 4.00 | 4.50 | 4.00 | 0.56 | 8.75 | 0.69 | 1.00 | 2.00 | 5/8 |
| UL250-4N-AA | ULA250-4N-45-AA | ULA250-4N-90-AA | 2000 | 2500 | 2 | 3.00 | 4.50 | 3.00 | 0.56 | 7.75 | 0.75 | 0.63 | 1.75 | 5/8 |
| UL250-4N4-AA | ULA250-4N4-45-AA | ULA250-4N4-90-AA | 2000 | 2500 | 2 | 4.00 | 4.50 | 4.00 | 0.56 | 8.75 | 0.75 | 1.13 | 1.75 | 5/8 |

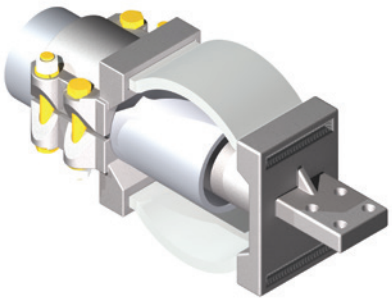


© 2011, AFL, all rights reserved. PP-3-00502, Revision 6, 1.3.22
Specifications are subject to change without notice.

# DOSSERT®

## TYPE XLW-AA, XLW-90-AA

### Expansion Terminal Connector



Expansion terminal is designed to compensate for expansion and contraction in bus runs. Pad conforms to NEMA standards.

### Material

Aluminum Alloy

### Hardware

Aluminum bolts, lockwashers and nuts

### Notes

- For an expansion terminal at 90°, add suffix "-90" to catalog number. EX: XLWP125-4N-AA
- To order without alignment guide, add "P" to catalog number. EX: XLWP125-4N-AA
- For schedule 80 pipe, add "E" to catalog number. EX: XLW125E-4N-AA
- For Stainless Steel bolts, lockwashers and Everdur nuts, add "-SSHBN" to catalog number. EX: XLW350-4N4-AA-SSHBN
- For Galvanized Steel Hardware, add "-GS" to catalog number. EX: XLW350-4N4-AA-GS

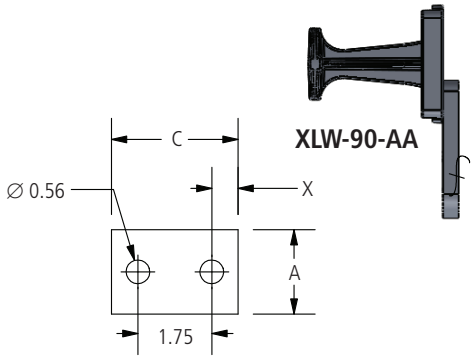



FIG. 1

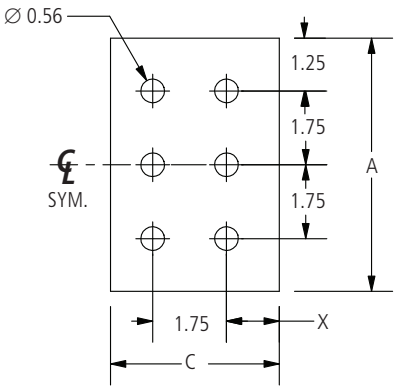



FIG. 3

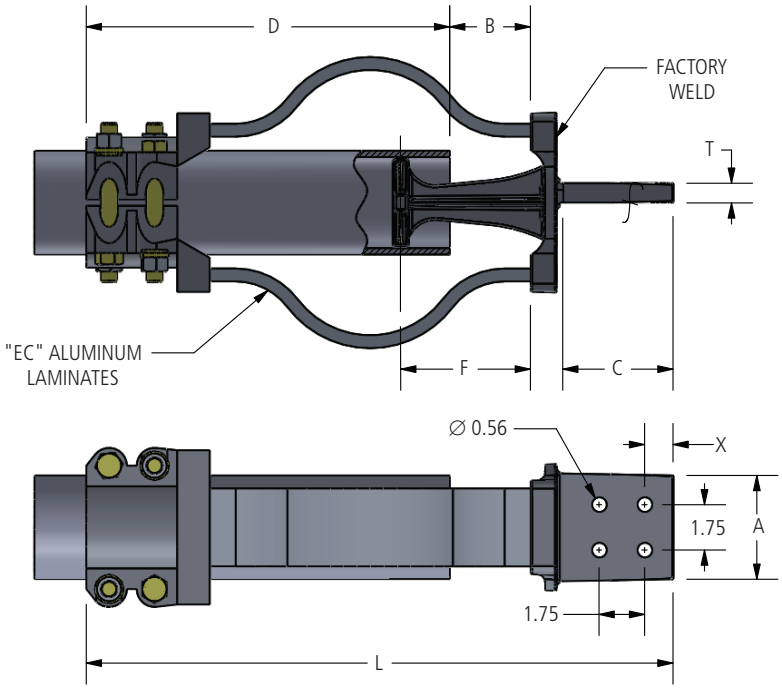



FIG. 2



© 2011, AFL, all rights reserved. PP-3-00595, Revision 4, 12.18.18
Specifications are subject to change without notice.

DOSSERT®

# TYPE XLW-AA, XLW-90-AA

**Expansion Terminal Connector**

## Ordering Information

| CATALOG NUMBER | FIG. NO. | SPS | DIMENSIONS IN INCHES | | | | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | D | F | L | T | X | |
| XLW100-2N-AA | 1 | 1 | 2.00 | 1.50 | 3.00 | 7.13 | 3.50 | 12.63 | 0.50 | 0.63 | 1/2 |
| XLW100-4N-AA | 2 | 1 | 3.00 | 1.50 | 3.00 | 7.13 | 3.50 | 12.63 | 0.50 | 0.63 | 1/2 |
| XLW125-2N-AA | 1 | 1 1/4 | 2.00 | 1.50 | 3.00 | 8.25 | 3.50 | 13.75 | 0.50 | 0.63 | 1/2 |
| XLW125-4N-AA | 2 | 1 1/4 | 3.00 | 1.50 | 3.00 | 8.25 | 3.50 | 13.75 | 0.50 | 0.63 | 1/2 |
| XLW150-2N-AA | 1 | 1 1/2 | 2.00 | 1.50 | 3.00 | 8.38 | 3.50 | 14.00 | 0.63 | 0.63 | 1/2 |
| XLW150-4N-AA | 2 | 1 1/2 | 3.00 | 1.50 | 3.00 | 8.38 | 3.50 | 14.00 | 0.63 | 0.63 | 1/2 |
| XLW150-4N4-AA | 2 | 1 1/2 | 4.00 | 1.50 | 4.00 | 8.38 | 3.50 | 15.00 | 0.63 | 1.13 | 1/2 |
| XLW200-2N-AA | 1 | 2 | 2.00 | 2.50 | 3.00 | 9.56 | 4.50 | 16.75 | 0.75 | 0.63 | 1/2 |
| XLW200-4N-AA | 2 | 2 | 3.00 | 2.50 | 3.00 | 9.56 | 4.50 | 16.75 | 0.75 | 0.63 | 1/2 |
| XLW200-4N4-AA | 2 | 2 | 4.00 | 2.50 | 4.00 | 9.56 | 4.50 | 17.75 | 0.75 | 1.13 | 1/2 |
| XLW250-2N-AA | 1 | 2 1/2 | 2.00 | 2.50 | 3.00 | 10.31 | 4.50 | 17.50 | 0.75 | 0.63 | 1/2 |
| XLW250-4N-AA | 2 | 2 1/2 | 3.00 | 2.50 | 3.00 | 10.31 | 4.50 | 17.50 | 0.75 | 0.63 | 1/2 |
| XLW250-4N4-AA | 2 | 2 1/2 | 4.00 | 2.50 | 4.00 | 10.31 | 4.50 | 18.50 | 0.75 | 1.13 | 1/2 |
| XLW300-2N-AA | 1 | 3 | 3.00 | 2.50 | 3.00 | 11.56 | 4.50 | 18.75 | 0.88 | 0.63 | 5/8 |
| XLW300-4N-AA | 2 | 3 | 3.00 | 2.50 | 3.00 | 11.56 | 4.50 | 18.75 | 0.88 | 0.63 | 5/8 |
| XLW300-4N4-AA | 2 | 3 | 4.00 | 2.50 | 4.00 | 11.56 | 4.50 | 19.75 | 0.88 | 1.13 | 5/8 |
| XLW350-4N-AA | 2 | 3 1/2 | 3.00 | 2.50 | 3.00 | 12.56 | 4.50 | 20.13 | 0.88 | 0.63 | 5/8 |
| XLW350-4N4-AA | 2 | 3 1/2 | 4.00 | 2.50 | 4.00 | 12.56 | 4.50 | 21.13 | 0.81 | 1.13 | 5/8 |
| XLW350-6N4-AA | 3 | 3 1/2 | 6.00 | 2.50 | 4.00 | 12.56 | 4.50 | 21.13 | 0.88 | 1.25 | 5/8 |
| XLW400-4N-AA | 2 | 4 | 4.00 | 2.50 | 3.00 | 12.75 | 4.50 | 21.75 | 1.00 | 0.63 | 5/8 |
| XLW400-4N4-AA | 2 | 4 | 4.00 | 2.50 | 4.00 | 12.75 | 4.50 | 21.75 | 1.00 | 1.13 | 5/8 |
| XLW400-6N4-AA | 3 | 4 | 6.00 | 2.50 | 4.00 | 12.75 | 4.50 | 21.75 | 1.00 | 1.13 | 5/8 |
| XLW500-4N4-AA | 2 | 5 | 4.00 | 2.50 | 4.00 | 15.00 | 4.50 | 24.00 | 1.25 | 1.13 | 5/8 |
| XLW500-6N4-AA | 3 | 5 | 6.00 | 2.50 | 4.00 | 15.00 | 4.50 | 24.00 | 1.25 | 1.25 | 5/8 |
| XLW600-4N4-AA | 2 | 6 | 4.00 | 2.50 | 4.00 | 17.00 | 4.50 | 26.38 | 1.38 | 1.13 | 5/8 |
| XLW600-6N4-AA | 3 | 6 | 6.00 | 2.50 | 4.00 | 17.00 | 4.50 | 26.38 | 1.38 | 1.25 | 5/8 |





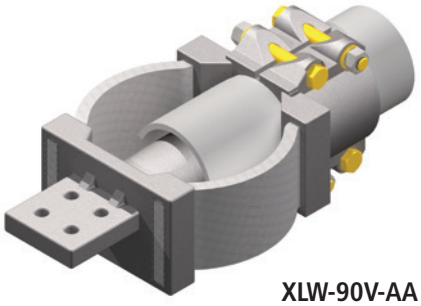
© 2011, AFL, all rights reserved. PP-3-00595, Revision 4, 12.18.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE XLW-90V-AA, XLWO-AA

### Expansion Terminal Connector

Expansion terminal is designed to compensate for expansion and contraction in bus runs. Pad conforms to NEMA standards. Dimension "D" shown is for an installation temperature of 68°F(20°C). XLW-90V is the product number for a center-formed pad, XLWO is for an offset pad. Products from factory are for use with Sch. 40 pipe, to order for use with Sch. 80 pipe see notes below.



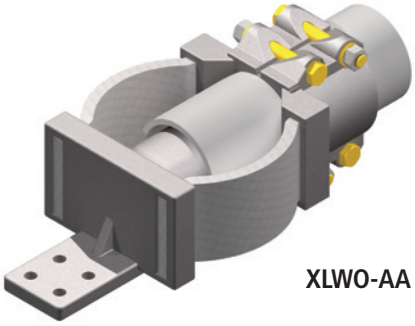
XLW-90V-AA

### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum nuts, bolts and lockwashers.



XLWO-AA

### Notes

1. Add "P" to catalog number to remove alignment guide.
   EX: XLWP200-4N4-90V-AA or XLWOP200-4N4-AA.

2. Add "E" to the catalog number for extra heavy pipe.
   EX: XLW200E-4N4-90V-AA or XLWO200E-4N4-AA.

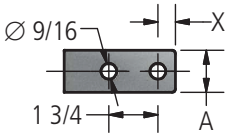



FIG. 1

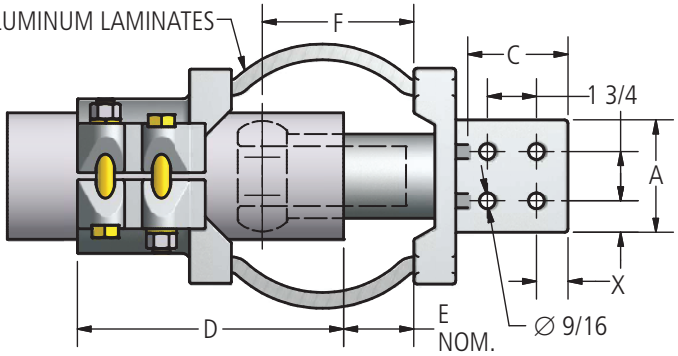
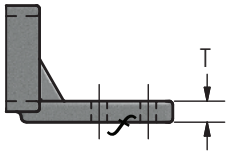
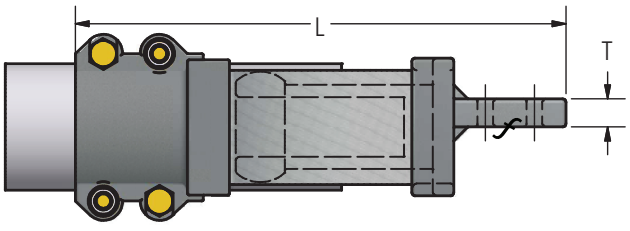



FIG. 2




XLWO-AA




XLW-90V-AA



© 2011, AFL, all rights reserved. PP-3-00594, Revision 1, 7.23.13
Specifications are subject to change without notice.

DOSSERT®

# TYPE XLW-90V-AA, XLWO-AA

**Expansion Terminal Connector**

## Ordering Information

| CATALOG NUMBER* | CATALOG NUMBER* | SPS | FIG. NO. | DIMENSIONS IN INCHES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | A | C | D | E | F | L | T | X | BOLT SIZE |
| XLW100-2N-90V-AA | XLWO100-2N-AA | 1 | 1 | 2 | 3 | 7-1/8 | 1-1/2 | 3-1/2 | 12-5/8 | 1/2 | 5/8 | 1/2 |
| XLW100-4N-90V-AA | XLWO100-4N-AA | 1 | 2 | 3 | 3 | 7-1/8 | 1-1/2 | 3-1/2 | 12-5/8 | 1/2 | 5/8 | 1/2 |
| XLW125-2N-90V-AA | XLWO125-2N-AA | 1-1/4 | 1 | 2 | 3 | 8-1/4 | 1-1/2 | 3-1/2 | 13-3/4 | 1/2 | 5/8 | 1/2 |
| XLW125-4N-90V-AA | XLWO125-4N-AA | 1-1/4 | 2 | 3 | 3 | 8-1/4 | 1-1/2 | 3-1/2 | 13-3/4 | 1/2 | 5/8 | 1/2 |
| XLW150-2N-90V-AA | XLWO150-2N-AA | 1-1/2 | 1 | 2-1/2 | 3 | 8-3/8 | 1-1/2 | 3-1/2 | 14 | 5/8 | 5/8 | 1/2 |
| XLW150-4N-90V-AA | XLWO150-4N-AA | 1-1/2 | 2 | 3 | 3 | 8-3/8 | 1-1/2 | 3-1/2 | 14 | 5/8 | 5/8 | 1/2 |
| XLW150-4N4-90V-AA | XLWO150-4N4-AA | 1-1/2 | 2 | 4 | 4 | 8-3/8 | 1-1/2 | 3-1/2 | 15 | 5/8 | 1-1/8 | 1/2 |
| XLW200-2N-90V-AA | XLWO200-2N-AA | 2 | 1 | 2-3/4 | 3 | 9-9/16 | 2-1/2 | 4-1/2 | 16-3/4 | 3/4 | 5/8 | 1/2 |
| XLW200-4N-90V-AA | XLWO200-4N-AA | 2 | 2 | 3 | 3 | 9-9/16 | 2-1/2 | 4-1/2 | 16-3/4 | 3/4 | 5/8 | 1/2 |
| XLW200-4N4-90V-AA | XLWO200-4N4-AA | 2 | 2 | 4 | 4 | 9-9/16 | 2-1/2 | 4-1/2 | 17-3/4 | 3/4 | 1-1/8 | 1/2 |
| XLW250-2N-90V-AA | XLWO250-2N-AA | 2-1/2 | 1 | 2-3/4 | 3 | 10-5/16 | 2-1/2 | 4-1/2 | 171/2 | 3/4 | 5/8 | 1/2 |
| XLW250-4N-90V-AA | XLWO250-4N-AA | 2-1/2 | 2 | 3 | 3 | 10-5/16 | 2-1/2 | 4-1/2 | 17-1/2 | 3/4 | 5/8 | 1/2 |
| XLW250-4N4-90V-AA | XLWO250-4N4-AA | 2-1/2 | 2 | 4 | 4 | 10-5/16 | 2-1/2 | 4-1/2 | 18-1/2 | 3/4 | 1-1/8 | 1/2 |
| XLW300-4N-90V-AA | XLWO300-4N-AA | 3 | 2 | 3 | 3 | 11-9/16 | 2-1/2 | 4-1/2 | 18-3/4 | 7/8 | 5/8 | 5/8 |
| XLW300-4N4-90V-AA | XLWO300-4N4-AA | 3 | 2 | 4 | 4 | 11-9/16 | 2-1/2 | 4-1/2 | 19-3/4 | 7/8 | 1-1/8 | 5/8 |
| XLW350-4N-90V-AA | XLWO350-4N-AA | 3-1/2 | 2 | 3 | 3 | 12-9/16 | 2-1/2 | 4-1/2 | 20-1/8 | 7/8 | 5/8 | 5/8 |
| XLW350-4N4-90V-AA | XLWO350-4N4-AA | 3-1/2 | 2 | 4 | 4 | 12-9/16 | 2-1/2 | 4-1/2 | 21-1/8 | 7/8 | 1-1/8 | 5/8 |
| XLW400-4N4-90V-AA | XLWO400-4N4-AA | 4 | 2 | 4 | 4 | 12-3/4 | 2-1/2 | 4-1/2 | 21-3/4 | 1 | 1-1/8 | 5/8 |
| XLW500-4N4-90V-AA | XLWO500-4N4-AA | 5 | 2 | 4 | 4 | 15 | 2-1/2 | 4-1/2 | 24 | 1-1/4 | 1-1/8 | 5/8 |
| XLW600-4N4-90V-AA | XLWO600-4N4-AA | 6 | 2 | 4 | 4 | 17 | 2-1/2 | 4-1/2 | 26-3/8 | 1-3/8 | 1-1/8 | 5/8 |

* See Notes for SCH80 Ordering Information.





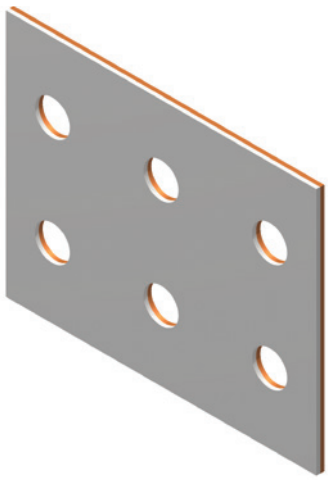
© 2011, AFL, all rights reserved. PP-3-00594, Revision 1, 7.23.13
Specifications are subject to change without notice.

# DOSSERT®

## TYPE BM SERIES

### Bi-Metal Transition Plate

The transition plate is for connecting copper and aluminum terminals together.



### Material

Copper Clad Aluminum



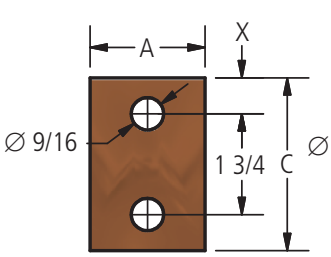



FIG. 1

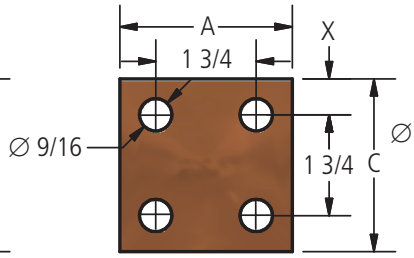



FIG. 2

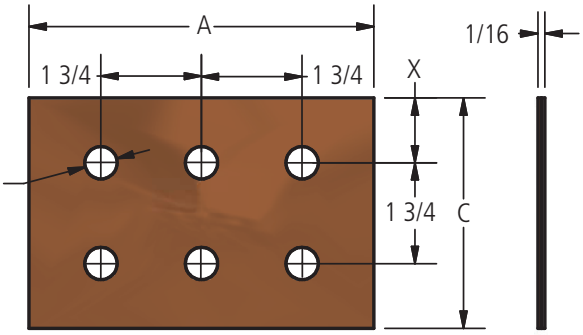



FIG. 3

## Ordering Information

| CATALOG NUMBER | FIG. NO. | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|
| | | A | C | X |
| BM-1 1/2N | 1 | 1 1/2 | 3 | 5/8 |
| BM-2N | 1 | 2 | 3 | 5/8 |
| BM 2 3/4 X 5 1/4-2N | 1 | 2 3/4 | 5 1/4 | 3/4 |
| BM-3N | 2 | 3 | 3 | 5/8 |
| BM-4N4 | 2 | 4 | 4 | 1 1/8 |
| BM-5N4 | 3 | 5 | 4 | 1 1/8 |
| BM-6N4 | 3 | 6 | 4 | 1 1/8 |



© 2011, AFL, all rights reserved. PP-3-00249, Revision 1, 7.23.13
Specifications are subject to change without notice.

# DOSSERT®

## TYPE 1706 SERIES

### Bus Vibration Dampers



Tubular bus dampers are designed to control Aeolian or wind-induced vibration in long bus spans; the dampers have been proven both in the laboratory and in field service to be the most effective method of controlling tubular bus vibration. The dampers are faster and easier to install than the old method of inserting "scrap" cable into the tubular bus runs. Also, the dampers find applications for correcting a vibration problems in existing substations.

Determine catalog number based on the bus conductor size being used. To order a bus vibration damper for 2 1/2" bus conductor, the complete catalog number is 1706-288.

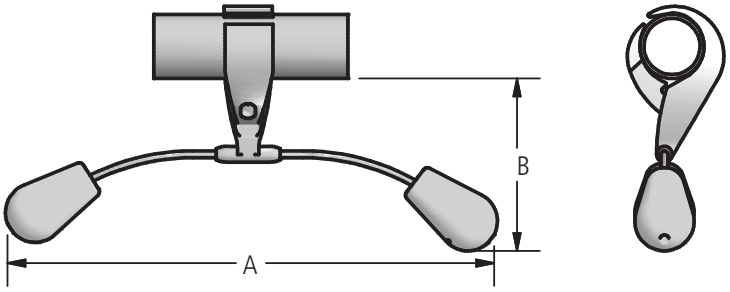



FIG. 1

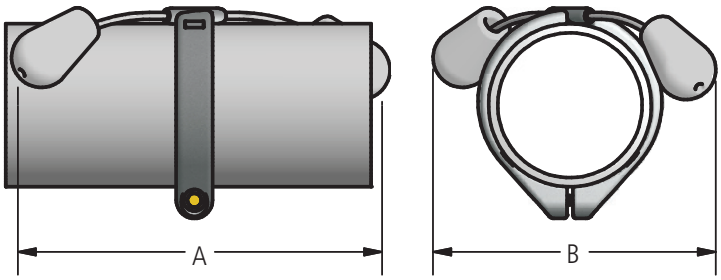



FIG. 2

## Ordering Information

| CATALOG NUMBER | SPS | FIG. NO. | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|---|
| | | | A | B | BOLT SIZE |
| 1706-190 | 1-1/2 | 1 | 29.5 | 9.9 | 5/8-11 |
| 1706-238 | 2 | 1 | 29.5 | 9.9 | 5/8-11 |
| 1706-288 | 2-1/2 | 1 | 29.6 | 10.2 | 5/8-11 |
| 1706-350 | 3 | 1 | 29.6 | 10.3 | 3/4-10 |
| 1706-008 | 3 | 2 | 28.0 | 12.6 | 1/2-13 |
| 1706-009 | 3-1/2 | 2 | 27.8 | 13.2 | 1/2-13 |
| 1706-010 | 4 | 2 | 27.6 | 13.6 | 1/2-13 |
| 1706-012 | 5 | 2 | 26.8 | 15.4 | 1/2-13 |
| 1706-013 | 6 | 2 | 26.2 | 17.8 | 1/2-13 |
| 1706-014 | 8 O.D. | 2 | 24.8 | 18.6 | 1/2-13 |



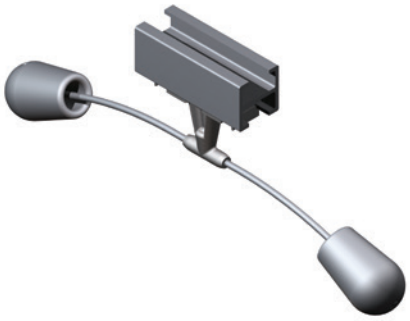


© 2011, AFL, all rights reserved. PP-3-00161, Revision 1, 7.23.13
Specifications are subject to change without notice.

# DOSSERT®

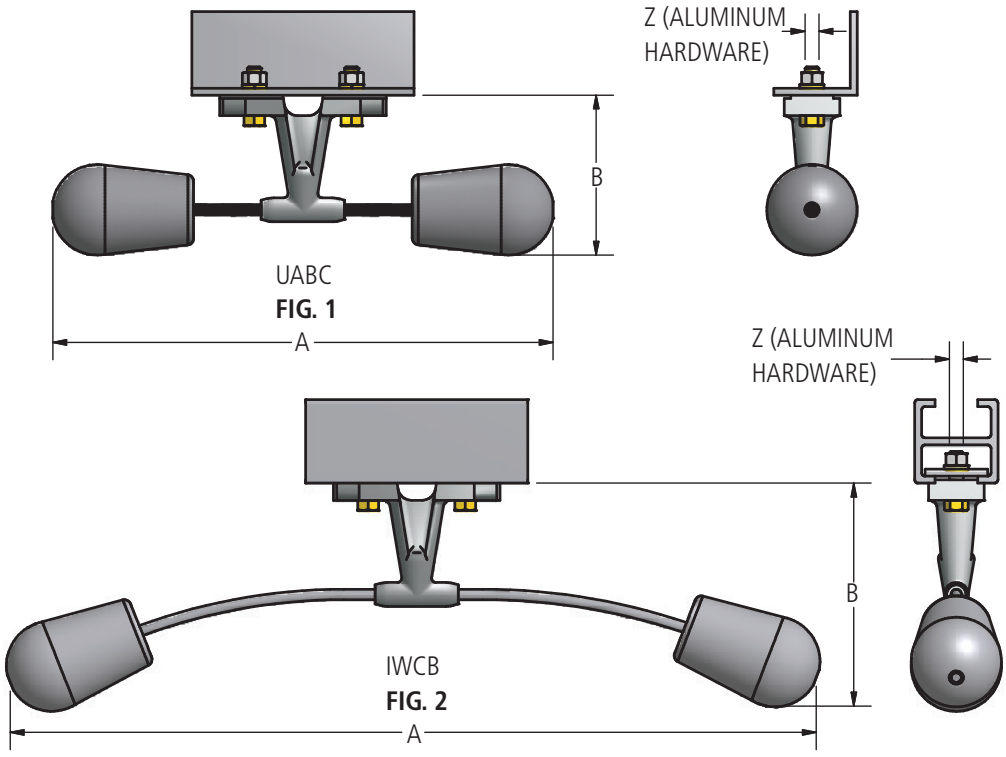
## TYPE 1706

### Bus Vibration Dampers



Vibration dampers for universal angle bus conductor (UABC) and integral web channel bus conductor (IWCB) are specifically designed to control Aeolian or wind-induced vibration in long bus spans. The dampers provide a fast, economical method of damping vibration. Installation is easy; the IWCB damper clamps to the bus by means of a bolt and clamp nut while the UABC damper bolts directly to the bus.

Determine catalog number based on the bus conductor size being used. Ex: A bus vibration damper for 4"x4" IWCB, the complete catalog number is: 1706-129.




## Ordering Information

| CONDUCTOR SIZE IN | FIG. NO. | CATALOG NUMBER | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|---|
| | | | A | B | BOLT SIZE |
| 3-1/4 x 3-1/4 Thru 5 x 5 UABC | 1 | 1706-123 | 15.5 | 5.7 | 1/2-13 |
| 4 x 4 Thru 9 x 9 IWCB | 2 | 1706-129 | 29 | 10.1 | 1/2-13 |



© 2011, AFL, all rights reserved. PP-3-00161, Revision 1, 7.23.13
Specifications are subject to change without notice.

# 230 kV Aluminum Bolted Connectors

DOSSERT®

# Table of Contents

## 230 kV Aluminum Welded

230 kV Welded Table of Contents . . . . . 377
Pictorial Index . . . . . 379

*Welded Bus Supports*

Type HPS-AA, HPS-CH-AA . . . . . 381
Type PLHS-AA, PLHS-CH-AA . . . . . 383
Type PLHSO-AA . . . . . 384
Type WPS-AA . . . . . 385
Type WPSO-AA . . . . . 387
Type WPSSL-AA . . . . . 388
Type WPSV-AA . . . . . 389
Type WXBC-AA . . . . . 390

*Welded Couplers*

Type 14700 . . . . . 392
Type 15100 . . . . . 394
Type WS-AA, WS-E-AA . . . . . 396
Type WSXL-SI-AA . . . . . 397
Type WWC-AA, WWC-E-AA . . . . . 398
Type WWCR-AA, WWCR-E-AA . . . . . 399
Type WWSC-AA . . . . . 400
Type XWWC-AA, XWWC-E-AA . . . . . 401
Type XWWCT-AA . . . . . 402

*Welded End Bells*

Type WCX-AA . . . . . 403
Type WCI-AA, WCI-E-AA . . . . . 404
Type WP-AA, WP-E-AA . . . . . 405

*Welded Elbows*

Type WEPI-AA, WEPI-30-AA, WEPI-45-AA, WEPI-60-AA . . . . . 406

*Welded Pipe Taps and Extensions*

Type WGPH-AA . . . . . 408
Type WTC-AA . . . . . 409
Type WTF-AA . . . . . 410

*Welded Tee and Vee Connectors*

Type 1000 Series . . . . . 411
Type WT-AA, WTA-75-AA, WTA-80-AA . . . . . 413
Type WVBP-20-AA, WVBP-30-AA . . . . . 415

*Welded Terminal Connectors*

Type 15950, 15960 Series . . . . . 417
Type 34300 . . . . . 418
Type WP2C-N-AA, WP2CA-N-45-AA, WP2CA-N-90-AA . . . . . 419
Type WPC-N-AA, WPCA-N-45-AA, WPCA-N-90-AA . . . . . 422
Type WTP-N-AA . . . . . 426
Type WTPA-N-45-AA . . . . . 428
Type WTPA-N-90-AA . . . . . 430
Type WTPC-N-AA . . . . . 432
Type WTPI-N-AA, WTPIA-N-45-AA, WTPIA-N-90-AA . . . . . 433
Type WTPIC-N-AA . . . . . 435
Type WTPO-N-AA, WTPOA-N-45-AA, WTPOA-N-90-AA, . . . . . 436
Type WTPOC-AA . . . . . 439
Type WWSC-N-AA . . . . . 440
Type WXL-90V-AA . . . . . 441
Type WXL-AA, WXL-E-AA . . . . . 443
Type WXLO-AA, WXLO-E-AA . . . . . 445

# Pictoral Index

## 230 kV Aluminum Welded Bus Supports



HPS-AA, HPS-CH-AA — PG. 381


PLHS-AA, PLHS-CH-AA — PG. 383


PLHSO-AA SERIES — PG. 384


WPS-AA SERIES — PG. 385


WPSO-AA — PG. 387


WPSSL-AA SERIES — PG. 388


WPSV-AA — PG. 389

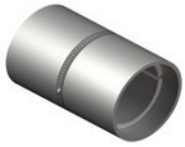

WXBC-AA SERIES — PG. 390

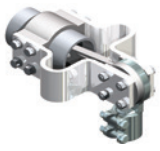

## 230 kV Aluminum Welded Couplers



14700 SERIES — PG. 392


15100 SERIES — PG. 394

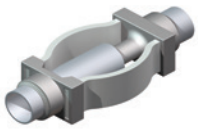

WS-AA, WS-E-AA SERIES — PG. 396

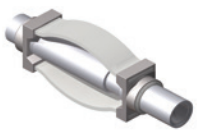

WSXL-SI-AA SERIES — PG. 397


WWC-AA, WWC-E-AA SERIES — PG. 398


WWCR-AA, WWCR-E-AA SERIES — PG. 399


WWSC-AA SERIES — PG. 400


XWWC-AA, XWWC-E-AA SERIES — PG. 401


XWWCT-AA SERIES — PG. 402


## 230 kV Aluminum Welded End Bells



WCX-AA SERIES — PG. 403


WCI-AA, WCI-E-AA SERIES — PG. 404


WP-AA, WP-E-AA SERIES — PG. 405


## 230 kV Aluminum Welded Elbows



WEPI-AA SERIES — PG. 406


## 230 kV Aluminum Welded Pipe Taps & Extensions



WGPH-AA SERIES — PG. 408

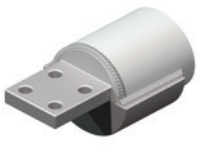

WTC-AA SERIES — PG. 409

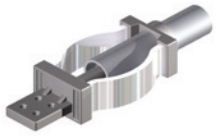
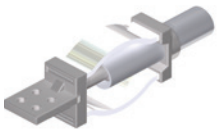
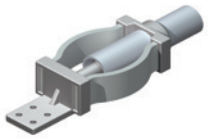

WTF-AA SERIES — PG. 410


© 2011, AFL, all rights reserved. PP-3-00018, Revision 11, 5.13.2026
Specifications are subject to change without notice.

# Pictoral Index


| 230 kV Aluminum Welded Tee and Vee Connectors | |
|---|---|
|  | 1000 SERIES<br>PG. 411 |
|  | WT-AA, WTA-75-AA, -80 SERIES<br>PG. 413 |
|  | WVBP-20-AA, WVBP-30-AA SERIES<br>PG. 415 |
| **230 kV Aluminum Welded Terminal Connectors** | |
|  | 15950, 15960 SERIES<br>PG. 417 |
|  | 34300 SERIES<br>PG. 418 |
|  | WP2C-N-AA, WP2CA-N-45-AA, WP2CA-N-90-AA SERIES<br>PG. 419 |
|  | WPC-N-AA, WPCA-N-30-AA, WPCA-N-45-AA, WPCA-N-90-AA<br>PG. 422 |

| | |
|---|---|
|  | WTP-N-AA SERIES<br>PG. 426 |
|  | WTPA-N-45-AA SERIES<br>PG. 428 |
|  | WTPA-N-90-AA SERIES<br>PG. 430 |
|  | WTPC-N-AA SERIES<br>PG. 432 |
|  | WTPI-N-AA, WTPIA-N-45-AA, WTPIA-N-90-AA SERIES<br>PG. 433 |
|  | WTPIC-N-AA SERIES<br>PG. 435 |
|  | WTPO-N-AA, WTPOA-N-45-AA, WTPOA-N-90-AA SERIES<br>PG. 436 |
|  | WTPOC-AA SERIES<br>PG. 439 |

| | |
|---|---|
|  | WWSC-AA SERIES<br>PG. 440 |
|  | WXL-90V-AA SERIES<br>PG. 441 |
|  | WXL-AA, WXL-E-AA SERIES<br>PG. 443 |
|  | WXLO-AA, WXLO-E-AA SERIES<br>PG. 445 |


© 2011, AFL, all rights reserved. PP-3-00018, Revision 11, 5.13.2026
Specifications are subject to change without notice.



AFL | AFLglobal.com
1 (800) 890-8878

# DOSSERT®

## TYPE HPS-AA, HPS-CH-AA

HPS is a horizontal support for a rigid fit and the HPS-CH is a for a horizontal support for a slip fit.

### Material

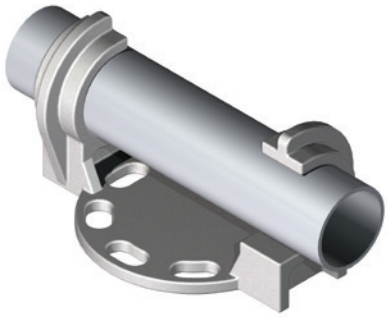
Aluminum Alloy

### Hardware

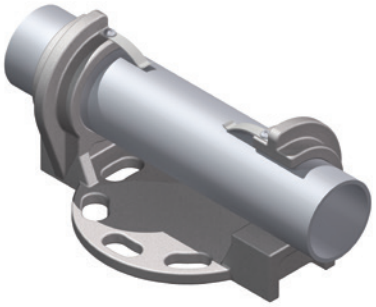
Galvanized steel hardware supplied for base mounting.

### Notes

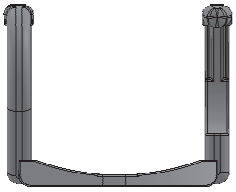
- For Slip Bus Support, add suffix "-CH" to catalog number. Ex: HPS100-3B-CH-AA.
- For base mounting dimensions and hardware, see page 3 in the general catalog index of AFL's Substation catalog.



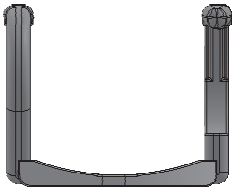
HPS-AA



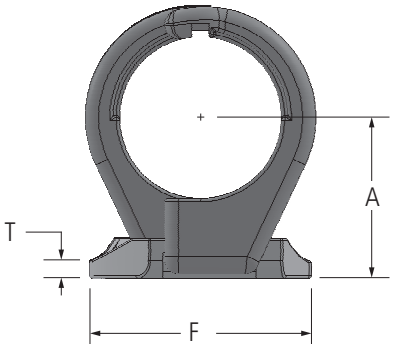
HPS-CH-AA

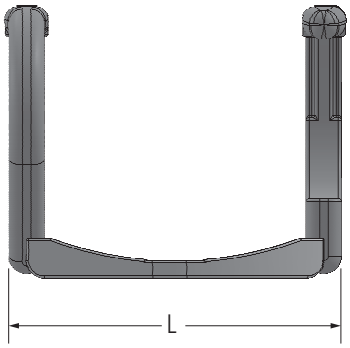


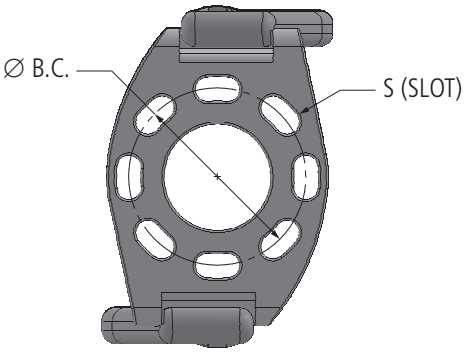
HPS-AA



HPS-CH-AA




*continued*



© 2010, AFL, all rights reserved. PP-3-00374, Revision 2, 10.18.2022
Specifications are subject to change without notice.

# DOSSERT®

## TYPE HPS-AA, HPS-CH-AA

### Ordering Information

| CATALOG NUMBER | | SPS | DIMENSIONS IN INCHES | | | | | |
|---|---|---|---|---|---|---|---|---|
| STANDARD | WITH CHATTER SPRING | | A | B.C. | F | L | S | T |
| HPS100-3-AA | HPS100-3-CH-AA | 1 | 2 | 3 | 4 1/4 | 5 3/4 | 9/16 | 3/8 |
| HPS100-5-AA | HPS100-5-CH-AA | 1 | 2 | 5 | 6 1/4 | 8 | 11/16 | 3/8 |
| HPS125-3-AA | HPS125-3-CH-AA | 1 1/4 | 2 1/4 | 3 | 4 1/4 | 5 3/4 | 9/16 | 3/8 |
| HPS125-5-AA | HPS125-5-CH-AA | 1 1/4 | 2 3/8 | 5 | 6 1/4 | 8 | 11/16 | 3/8 |
| HPS150-3-AA | HPS150-3-CH-AA | 1 1/2 | 2 1/2 | 3 | 4 1/4 | 5 3/4 | 9/16 | 3/8 |
| HPS150-5-AA | HPS150-5-CH-AA | 1 1/2 | 2 1/2 | 5 | 6 1/4 | 8 1/2 | 11/16 | 3/8 |
| HPS200-3-AA | HPS200-3-CH-AA | 2 | 2 3/4 | 3 | 4 1/4 | 6 1/4 | 9/16 | 3/8 |
| HPS200-5-AA | HPS200-5-CH-AA | 2 | 2 3/4 | 5 | 6 1/4 | 8 1/2 | 11/16 | 3/8 |
| HPS250-3-AA | HPS250-3-CH-AA | 2 1/2 | 3 1/8 | 3 | 4 1/4 | 6 5/8 | 9/16 | 3/8 |
| HPS250-5-AA | HPS250-5-CH-AA | 2 1/2 | 3 1/8 | 5 | 6 1/4 | 8 7/8 | 11/16 | 3/8 |
| HPS300-3-AA | HPS300-3-CH-AA | 3 | 3 5/8 | 3 | 4 1/4 | 6 5/8 | 9/16 | 3/8 |
| HPS300-5-AA | HPS300-5-CH-AA | 3 | 3 5/8 | 5 | 6 1/4 | 8 7/8 | 11/16 | 3/8 |
| HPS350-3-AA | HPS350-3-CH-AA | 3 1/2 | 4 | 3 | 4 1/4 | 7 1/4 | 9/16 | 7/16 |
| HPS350-5-AA | HPS350-5-CH-AA | 3 1/2 | 4 | 5 | 6 1/4 | 9 1/2 | 11/16 | 7/16 |
| HPS400-3-AA | HPS400-3-CH-AA | 4 | 4 1/2 | 3 | 4 1/4 | 7 5/8 | 9/16 | 1/2 |
| HPS400-5-AA | HPS400-5-CH-AA | 4 | 4 1/2 | 5 | 6 1/4 | 9 3/8 | 11/16 | 1/2 |
| HPS400-7-AA | HPS400-7-CH-AA | 4 | 4 1/2 | 7 | 8 1/2 | 11 7/8 | 13/16 | 1/2 |
| HPS500-3-AA | HPS500-3-CH-AA | 5 | 5 | 3 | 4 1/4 | 8 1/4 | 9/16 | 1/2 |
| HPS500-5-AA | HPS500-5-CH-AA | 5 | 5 | 5 | 6 1/4 | 10 | 11/16 | 1/2 |
| HPS500-7-AA | HPS500-7-CH-AA | 5 | 5 | 7 | 8 1/2 | 11 7/8 | 13/16 | 1/2 |
| *HPS600-3-AA | HPS600-3-CH-AA | 6 | 5 1/2 | 3 | 4 1/4 | 8 1/8 | 9/16 | 1/2 |
| HPS600-5-AA | HPS600-5-CH-AA | 6 | 5 1/2 | 5 | 6 1/4 | 10 | 11/16 | 1/2 |
| HPS600-7-AA | HPS600-7-CH-AA | 6 | 5 1/2 | 7 | 8 1/2 | 12 1/4 | 13/16 | 1/2 |
| *HPS800-3-AA | HPS800-3-CH-AA | 8 | 6 1/2 | 3 | 4 1/4 | 9 3/4 | 9/16 | 1/2 |
| *HPS800-5-AA | HPS800-5-CH-AA | 8 | 6 1/2 | 5 | 6 1/4 | 11 | 11/16 | 1/2 |
| HPS800-7-AA | HPS800-7-CH-AA | 8 | 6 7/8 | 7 | 8 1/2 | 12 1/4 | 13/16 | 1/2 |

* Denotes this size will not install rotated 90 degrees from bus pipe.



© 2010, AFL, all rights reserved. PP-3-00374, Revision 2, 10.18.2022
Specifications are subject to change without notice.

# TYPE PLHS-AA, PLHS-CH-AA

## Slip or Fixed Bus Support

Can be used as a slip or fixed bus support or fixed support by being welded into position.



PLHS-AA

### Material

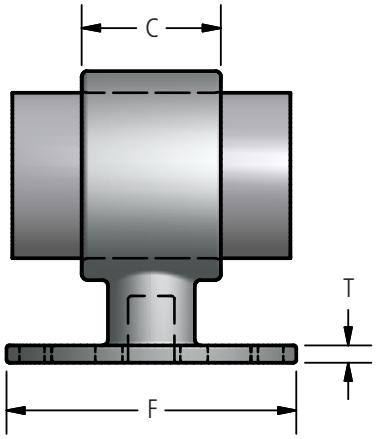
Aluminum Alloy

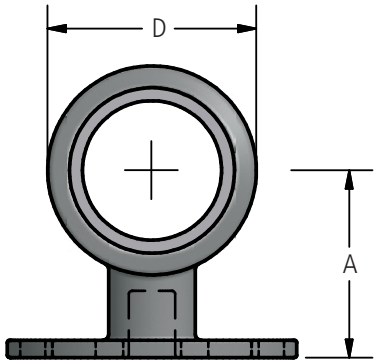
### Hardware

Galvanized steel hardware supplied for base mounting.

### Notes

1. For base mounting dimensions and hardware see page 3 in the general catalog index.




### Ordering Information

| Catalog Number | | SPS | Bolt Circle | Dimensions in Inches | | | | |
|---|---|---|---|---|---|---|---|---|
| Standard | With Chatter Spring | | | A | C | D | T | F |
| PLHS75-3-AA | PLHS75-3-CH-AA | 3/4 | 3 | 2 | 1-1/4 | 1-9/16 | 3/8 | 4-1/4 |
| PLHS75-5-AA | PLHS75-5-CH-AA | 3/4 | 5 | 2-1/4 | 1-1/4 | 1-9/16 | 3/8 | 6-1/4 |
| PLHS100-3-AA | PLHS100-3-CH-AA | 1 | 3 | 2 | 1-1/4 | 1-7/8 | 3/8 | 4-1/4 |
| PLHS100-5-AA | PLHS100-5-CH-AA | 1 | 5 | 2-1/4 | 1-1/4 | 1-7/8 | 3/8 | 6-1/4 |
| PLHS125-3-AA | PLHS125-3-CH-AA | 1-1/4 | 3 | 2-1/4 | 1-1/2 | 2-1/4 | 3/8 | 4-1/4 |
| PLHS125-5-AA | PLHS125-5-CH-AA | 1-1/4 | 5 | 2-3/8 | 1-1/2 | 2-1/4 | 3/8 | 6-1/4 |
| PLHS150-3-AA | PLHS150-3-CH-AA | 1-1/2 | 3 | 2-1/2 | 1-1/2 | 2-5/8 | 3/8 | 4-1/4 |
| PLHS150-5-AA | PLHS150-5-CH-AA | 1-1/2 | 5 | 2-1/2 | 1-1/2 | 2-5/8 | 3/8 | 6-1/4 |
| PLHS200-3-AA | PLHS200-3-CH-AA | 2 | 3 | 2-3/4 | 2 | 3-1/4 | 3/8 | 4-1/4 |
| PLHS200-5-AA | PLHS200-5-CH-AA | 2 | 5 | 2-3/4 | 2 | 3-1/4 | 3/8 | 6-1/4 |
| PLHS250-3-AA | PLHS250-3-CH-AA | 2-1/2 | 3 | 3-1/8 | 2 | 3-11/16 | 3/8 | 4-1/4 |
| PLHS250-5-AA | PLHS250-5-CH-AA | 2-1/2 | 5 | 3-1/8 | 2 | 3-11/16 | 3/8 | 6-1/4 |
| PLHS300-3-AA | PLHS300-3-CH-AA | 3 | 3 | 3-5/8 | 2-1/2 | 4-1/2 | 3/8 | 4-1/4 |
| PLHS300-5-AA | PLHS300-5-CH-AA | 3 | 5 | 3-5/8 | 3 | 4-1/2 | 7/16 | 6-1/4 |
| PLHS350-3-AA | PLHS350-3-CH-AA | 3-1/2 | 3 | 4 | 3 | 5 | 7/16 | 4-1/4 |
| PLHS350-5-AA | PLHS350-5-CH-AA | 3-1/2 | 5 | 4 | 3 | 5 | 7/16 | 6-1/4 |
| PLHS400-3-AA | PLHS400-3-CH-AA | 4 | 3 | 4-1/2 | 3 | 5-9/16 | 3/8 | 4-1/4 |
| PLHS400-5-AA | PLHS400-5-CH-AA | 4 | 5 | 4-1/2 | 3 | 5-1/2 | 7/16 | 6-1/4 |
| PLHS450-3-AA | PLHS450-3-CH-AA | 4-1/2 | 3 | 4-3/4 | 3 | 6 | 7/16 | 4-1/4 |
| PLHS450-5-AA | PLHS450-5-CH-AA | 4-1/2 | 5 | 4-3/4 | 3 | 6 | 7/16 | 6-1/4 |
| PLHS500-3-AA | PLHS500-3-CH-AA | 5 | 3 | 5 | 3 | 6-9/16 | 7/16 | 4-1/4 |
| PLHS500-5-AA | PLHS500-5-CH-AA | 5 | 5 | 5 | 3 | 6-9/16 | 7/16 | 6-1/4 |
| PLHS600-3-AA | PLHS600-3-CH-AA | 6 | 3 | 5-1/2 | 4 | 7-5/8 | 7/16 | 4-1/4 |
| PLHS600-5-AA | PLHS600-5-CH-AA | 6 | 5 | 5-1/2 | 4 | 7-5/8 | 7/16 | 6-1/4 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2010, AFL, all rights reserved. PP-3-00401, Revision 4, 1.9.2025
Specifications are subject to change without notice.

# 230 kV Aluminum Welded Bus Supports

## DOSSERT®

## TYPE PLHSO-AA

**Bus Support for Pipes, Slip or Fixed**

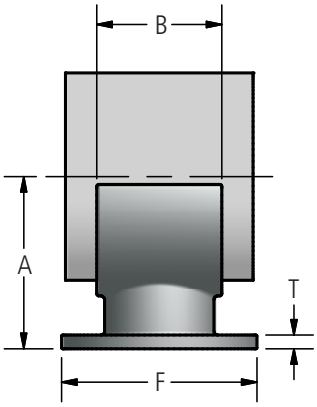


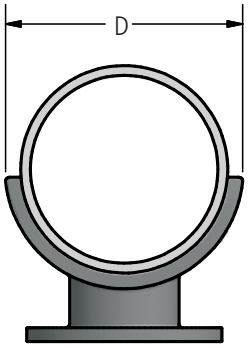
### Material

Aluminum Alloy

### Hardware

Galvanized steel hardware supplied for base mounting.




## Ordering Information

| CATALOG NUMBER | SPS | BOLT CIRCLE | DIMENSIONS IN INCHES | | | | |
|---|---|---|---|---|---|---|---|
| | | | A | B | D | F | T |
| PLHSO75-3-AA | 3/4 | 3 | 2 | 1-1/4 | 1-9/16 | 4-1/4 | 3/8 |
| PLHSO75-5-AA | 3/4 | 5 | 2-1/4 | 1-1/4 | 1-9/16 | 6-1/4 | 3/8 |
| PLHSO100-3-AA | 1 | 3 | 2 | 1-1/4 | 1-7/8 | 4-1/4 | 3/8 |
| PLHSO100-5-AA | 1 | 5 | 2-1/4 | 1-1/4 | 1-7/8 | 6-1/4 | 3/8 |
| PLHSO125-3-AA | 1-1/4 | 3 | 2-1/4 | 1-1/2 | 2-1/4 | 4-1/4 | 3/8 |
| PLHSO125-5-AA | 1-1/4 | 5 | 2-3/8 | 1-1/2 | 2-1/4 | 6-1/4 | 3/8 |
| PLHSO150-3-AA | 1-1/2 | 3 | 2-1/2 | 1-1/2 | 2-5/8 | 4-1/4 | 3/8 |
| PLHSO150-5-AA | 1-1/2 | 5 | 2-1/2 | 1-1/2 | 2-5/8 | 6-1/4 | 3/8 |
| PLHSO200-3-AA | 2 | 3 | 2-3/4 | 2 | 3-1/4 | 4-1/4 | 3/8 |
| PLHSO200-5-AA | 2 | 5 | 2-3/4 | 2 | 3-1/4 | 6-1/4 | 3/8 |
| PLHSO250-3-AA | 2-1/2 | 3 | 3-1/8 | 2 | 3-11/16 | 4-1/4 | 3/8 |
| PLHSO250-5-AA | 2-1/2 | 5 | 3-1/8 | 2 | 3-11/16 | 6-1/4 | 3/8 |
| PLHSO300-3-AA | 3 | 3 | 3-5/8 | 3 | 4-1/2 | 4-1/4 | 7/16 |
| PLHSO300-5-AA | 3 | 5 | 3-5/8 | 3 | 4-1/2 | 6-1/4 | 7/16 |
| PLHSO350-3-AA | 3-1/2 | 3 | 4 | 3 | 5 | 4-1/4 | 7/16 |
| PLHSO350-5-AA | 3-1/2 | 5 | 4 | 3 | 5 | 6-1/4 | 7/16 |
| PLHSO400-3-AA | 4 | 3 | 4-1/2 | 3 | 5-1/2 | 4-1/4 | 7/16 |
| PLHSO400-5-AA | 4 | 5 | 4-1/2 | 3 | 5-1/2 | 6-1/4 | 1/2 |
| PLHSO450-3-AA | 4-1/2 | 3 | 4-3/4 | 3 | 6 | 4-1/4 | 7/16 |
| PLHSO450-5-AA | 4-1/2 | 5 | 4-3/4 | 3 | 6 | 6-1/4 | 7/16 |
| PLHSO500-3-AA | 5 | 3 | 5 | 3 | 6-9/16 | 4-1/4 | 7/16 |
| PLHSO500-5-AA | 5 | 5 | 5 | 3 | 6-9/16 | 6-1/4 | 7/16 |
| PLHSO600-3-AA | 6 | 3 | 5-1/2 | 4 | 7-5/8 | 4-1/4 | 7/16 |
| PLHSO600-5-AA | 6 | 5 | 5-1/2 | 4 | 7-5/8 | 6-1/4 | 7/16 |
| PLHSO800-5-AA | 8 | 5 | 6-15/16 | 4 | 9-5/8 | 6-1/4 | 7/16 |
| PLHSO800-7-AA | 8 | 7 | 6-15/16 | 4 | 9-5/8 | 8-1/2 | 7/16 |



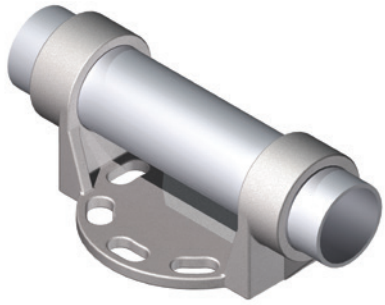
© 2010, AFL, all rights reserved. PP-3-00030, Revision, 1, 10.17.2022
Specifications are subject to change without notice.

# DOSSERT®

## TYPE WPS-AA

### Aluminum Bus Support

Horizontal type support for pipe or tube to insulator. Slip or rigid fit applications.



**Material**

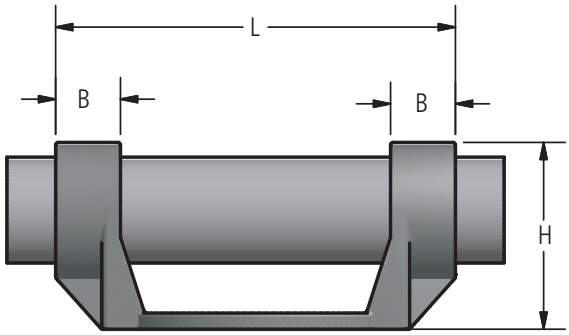
Aluminum Alloy

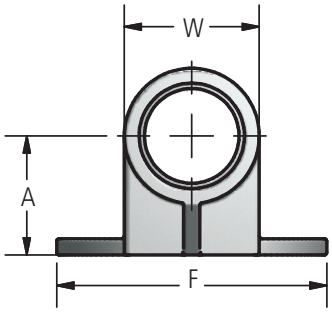
**Hardware**

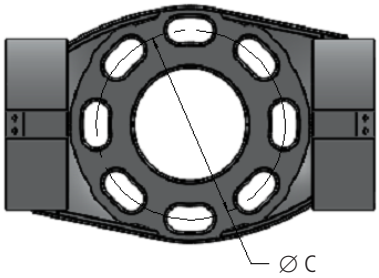
Galvanized steel mounting hardware.

**Notes**

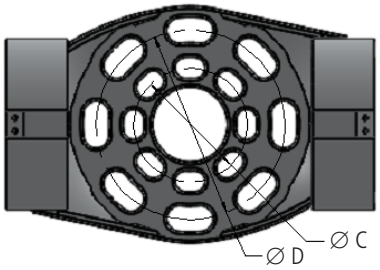
1. For base mounting dimensions and hardware see page 3 in the general catalog index.




DETAIL A




DETAIL B

*continued*



© 2010, AFL, all rights reserved. PP-3-00537, Revision 1, 10.17.2022
Specifications are subject to change without notice.

# DOSSERT®

## TYPE WPS-AA

### Aluminum Welded Bus Support

### Ordering Information

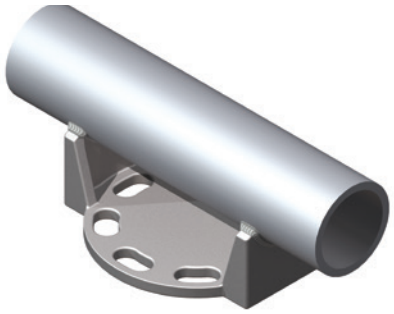
| CATALOG NUMBER | | SPS | BOLT CIRCLE | DIMENSIONS IN INCHES | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| STANDARD | WITH CHATTER SPRING | | | A | B | C | D | F | H | L | W |
| WPS100-3-AA | WPS100-3-CH-AA | 1 | A | 2 | 1 | 3 | - | 4 1/4 | 2 31/32 | 6 1/4 | 1 29/32 |
| WPS100-5-AA | WPS100-5-CH-AA | 1 | A | 2 1/4 | 1 | 5 | - | 6 1/4 | 3 7/32 | 7 27/32 | 1 29/32 |
| WPS125-3-AA | WPS125-3-CH-AA | 1 1/4 | A | 2 1/4 | 1 | 3 | - | 4 1/4 | 3 3/8 | 6 1/4 | 2 9/32 |
| WPS125-5-AA | WPS125-5-CH-AA | 1 1/4 | A | 2 3/8 | 1 | 5 | - | 6 1/4 | 3 17/32 | 8 1/8 | 2 9/32 |
| WPS150-3-AA | WPS150-3-CH-AA | 1 1/2 | A | 2 1/2 | 1 1/4 | 3 | - | 4 1/4 | 3 3/4 | 6 3/4 | 2 9/32 |
| WPS150-5-AA | WPS150-5-CH-AA | 1 1/2 | A | 2 1/2 | 1 1/4 | 5 | - | 6 1/4 | 3 3/4 | 8 3/4 | 2 9/32 |
| WPS200-3-AA | WPS200-3-CH-AA | 2 | A | 2 3/4 | 1 1/2 | 3 | - | 4 1/4 | 4 1/4 | 7 1/4 | 3 5/32 |
| WPS200-5-AA | WPS200-5-CH-AA | 2 | A | 2 3/4 | 1 1/2 | 5 | - | 6 1/4 | 4 1/4 | 9 1/8 | 3 5/32 |
| WPS250-3-AA | WPS250-3-CH-AA | 2 1/2 | A | 3 1/8 | 1 1/2 | 3 | - | 4 1/4 | 5 | 7 1/4 | 3 13/16 |
| WPS250-5-AA | WPS250-5-CH-AA | 2 1/2 | A | 3 1/8 | 1 1/2 | 5 | - | 6 1/4 | 5 | 9 3/16 | 3 13/16 |
| WPS250-7-AA | WPS250-7-CH-AA | 2 1/2 | A | 3 1/8 | 1 1/2 | 7 | - | 8 1/2 | 5 | 12 | 3 13/16 |
| WPS300-3-AA | WPS300-3-CH-AA | 3 | A | 3 5/8 | 1 3/4 | 3 | - | 4 1/4 | 5 25/32 | 7 3/4 | 4 5/16 |
| WPS300-3/5-AA | WPS300-3/5-CH-AA | 3 | B | 3 5/8 | 1 3/4 | 3 | 5 | 6 1/4 | 5 25/32 | 9 3/4 | 4 5/16 |
| WPS300-5-AA | WPS300-5-CH-AA | 3 | A | 3 5/8 | 1 3/4 | 5 | - | 6 1/4 | 5 25/32 | 9 3/4 | 4 5/16 |
| WPS300-5/7-AA | WPS300-5/7-CH-AA | 3 | B | 3 5/8 | 1 3/4 | 5 | 7 | 8 1/2 | 5 25/32 | 12 1/4 | 4 5/16 |
| WPS300-7-AA | WPS300-7-CH-AA | 3 | A | 3 5/8 | 1 3/4 | 7 | - | 8 1/2 | 5 25/32 | 12 1/4 | 4 5/16 |
| WPS350-3-AA | WPS350-3-CH-AA | 3 1/2 | A | 4 | 1 3/4 | 3 | - | 4 1/4 | 6 1/2 | 7 3/4 | 5 |
| WPS350-3/5-AA | WPS350-3/5-CH-AA | 3 1/2 | B | 4 | 1 3/4 | 3 | 5 | 6 1/4 | 6 1/2 | 9 3/4 | 5 |
| WPS350-5-AA | WPS350-5-CH-AA | 3 1/2 | A | 4 | 1 3/4 | 5 | - | 6 1/4 | 6 1/2 | 9 3/4 | 5 |
| WPS350-5/7-AA | WPS350-5/7-CH-AA | 3 1/2 | B | 4 | 1 3/4 | 5 | 7 | 8 1/2 | 6 1/2 | 12 1/8 | 5 |
| WPS350-7-AA | WPS350-7-CH-AA | 3 1/2 | A | 4 | 1 3/4 | 7 | - | 8 1/2 | 6 1/2 | 12 1/8 | 5 |
| WPS400-3-AA | WPS400-3-CH-AA | 4 | A | 4 1/2 | 2 | 3 | - | 4 1/4 | 7 1/4 | 8 1/8 | 5 15/32 |
| WPS400-3/5-AA | WPS400-3/5-CH-AA | 4 | B | 4 1/2 | 2 | 3 | 5 | 6 1/4 | 7 1/4 | 10 1/4 | 5 15/32 |
| WPS400-5-AA | WPS400-5-CH-AA | 4 | A | 4 1/2 | 2 | 5 | - | 6 1/4 | 7 1/4 | 10 1/4 | 5 15/32 |
| WPS400-5/7-AA | WPS400-5/7-CH-AA | 4 | B | 4 1/2 | 2 | 5 | 7 | 8 1/2 | 7 1/4 | 12 1/2 | 5 15/32 |
| WPS400-7-AA | WPS400-7-CH-AA | 4 | A | 4 1/2 | 2 | 7 | - | 8 1/2 | 7 1/4 | 12 1/2 | 5 15/32 |
| WPS450-3-AA | WPS450-3-CH-AA | 4 1/2 | A | 4 3/4 | 2 | 3 | - | 4 1/4 | 7 1/4 | 8 1/4 | 5 31/32 |
| WPS450-3/5-AA | WPS450-3/5-CH-AA | 4 1/2 | B | 4 3/4 | 2 | 3 | 5 | 6 1/4 | 7 1/4 | 10 1/4 | 5 31/32 |
| WPS450-5-AA | WPS450-5-CH-AA | 4 1/2 | A | 4 3/4 | 2 | 5 | - | 6 1/4 | 7 1/4 | 10 1/4 | 5 31/32 |
| WPS450-5/7-AA | WPS450-5/7-CH-AA | 4 1/2 | B | 4 3/4 | 2 | 5 | 7 | 8 1/2 | 7 1/4 | 12 1/2 | 5 15/32 |
| WPS450-7-AA | WPS450-7-CH-AA | 4 1/2 | A | 4 3/4 | 2 | 7 | - | 8 1/2 | 7 1/4 | 12 1/2 | 5 15/32 |
| WPS500-3-AA | WPS500-3-CH-AA | 5 | A | 5 | 2 1/4 | 3 | - | 4 1/4 | 8 9/16 | 8 7/8 | 6 5/8 |
| WPS500-3/5-AA | WPS500-3/5-CH-AA | 5 | B | 5 | 2 1/4 | 3 | 5 | 6 1/4 | 8 9/16 | 10 7/8 | 6 5/8 |
| WPS500-5-AA | WPS500-5-CH-AA | 5 | A | 5 | 2 1/4 | 5 | - | 6 1/4 | 8 9/16 | 10 7/8 | 6 5/8 |
| WPS500-5/7-AA | WPS500-5/7-CH-AA | 5 | B | 5 | 2 1/4 | 5 | 7 | 8 1/2 | 8 9/16 | 13 1/8 | 6 5/8 |
| WPS500-7-AA | WPS500-7-CH-AA | 5 | A | 5 | 2 1/4 | 7 | - | 8 1/2 | 8 9/16 | 13 1/8 | 6 5/8 |
| WPS600-3-AA | WPS600-3-CH-AA | 6 | A | 5 1/2 | 2 1/4 | 3 | - | 4 1/4 | 9 23/32 | 8 7/8 | 7 7/8 |
| WPS600-3/5-AA | WPS600-3/5-CH-AA | 6 | B | 5 1/2 | 2 1/4 | 3 | 5 | 6 1/4 | 9 23/32 | 10 7/8 | 7 7/8 |
| WPS600-5-AA | WPS600-5-CH-AA | 6 | A | 5 1/2 | 2 1/4 | 5 | - | 6 1/4 | 9 23/32 | 10 7/8 | 7 7/8 |
| WPS600-5/7-AA | WPS600-5/7-CH-AA | 6 | B | 5 1/2 | 2 1/4 | 5 | 7 | 8 1/2 | 9 23/32 | 13 1/8 | 7 7/8 |
| WPS600-7-AA | WPS600-7-CH-AA | 6 | A | 5 1/2 | 2 1/4 | 7 | - | 8 1/2 | 9 23/32 | 13 1/8 | 7 7/8 |
| WPS800-5-AA | WPS800-5-CH-AA | 8 | A | 6 15/16 | 2 | 5 | - | 8 1/2 | 11 3/4 | 13 7/8 | 9 3/4 |
| WPS800-7-AA | WPS800-7-CH-AA | 8 | A | 6 15/16 | 2 | 7 | - | 8 1/2 | 11 3/4 | 13 7/8 | 9 3/4 |



© 2010, AFL, all rights reserved. PP-3-00537, Revision 1, 10.17.2022
Specifications are subject to change without notice.

# DOSSERT®

## TYPE WPSO-AA
### Aluminum Welded Bus Support



Open saddle horizontal type support for pipe to insulator. Rigid applications only. Pipe lays into support and is welded in the field.

### Material

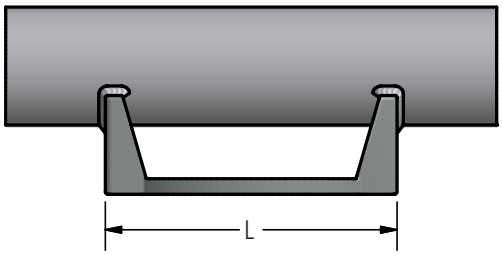
Aluminum Alloy

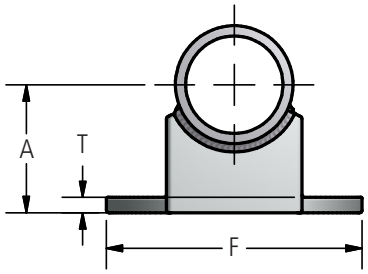
### Hardware

Galvanized steel base mounting hardware.

### Note

1. For base mounting dimensions and hardware, see page 3 in the general catalog index.




### Ordering Information

| CATALOG NUMBER | SPS | BOLT CIRCLE | DIMENSIONS IN INCHES | | | |
|---|---|---|---|---|---|---|
| | | | A | F | L | T |
| WPSO75-3-AA | 3/4 | 3 | 2 | 4 1/4 | 4 3/4 | 3/8 |
| WPSO75-5-AA | 3/4 | 5 | 2 1/4 | 6 1/4 | 6 7/8 | 3/8 |
| WPSO100-3-AA | 1 | 3 | 2 | 4 1/4 | 4 3/4 | 3/8 |
| WPSO100-5-AA | 1 | 5 | 2 1/4 | 6 1/4 | 6 7/8 | 3/8 |
| WPSO125-3-AA | 1 1/4 | 3 | 2 1/4 | 4 1/4 | 5 1/4 | 3/8 |
| WPSO125-5-AA | 1 1/4 | 5 | 2 3/8 | 6 1/4 | 7 | 3/8 |
| WPSO150-3-AA | 1 1/2 | 3 | 2 1/2 | 4 1/4 | 4 7/8 | 3/8 |
| WPSO150-5-AA | 1 1/2 | 5 | 2 1/2 | 6 1/4 | 7 | 3/8 |
| WPSO200-3-AA | 2 | 3 | 2 3/4 | 4 1/4 | 5 | 3/8 |
| WPSO200-5-AA | 2 | 5 | 2 3/4 | 6 1/4 | 7 1/8 | 3/8 |
| WPSO250-3-AA | 2 1/2 | 3 | 3 1/8 | 4 1/4 | 5 | 3/8 |
| WPSO250-5-AA | 2 1/2 | 5 | 3 1/8 | 6 1/4 | 7 1/8 | 3/8 |
| WPSO300-3-AA | 3 | 3 | 3 5/8 | 4 1/4 | 5 1/8 | 3/8 |
| WPSO300-5-AA | 3 | 5 | 3 5/8 | 6 1/4 | 7 1/4 | 3/8 |
| WPSO350-3-AA | 3 1/2 | 3 | 4 | 4 1/4 | 5 3/8 | 1/2 |
| WPSO350-5-AA | 3 1/2 | 5 | 4 | 6 1/4 | 7 1/4 | 1/2 |
| WPSO400-3-AA | 4 | 3 | 4 1/2 | 4 1/4 | 5 1/8 | 1/2 |
| WPSO400-5-AA | 4 | 5 | 4 1/2 | 6 1/4 | 7 1/4 | 1/2 |
| WPSO500-3-AA | 5 | 3 | 5 | 4 1/4 | 5 3/8 | 1/2 |
| WPSO500-5-AA | 5 | 5 | 5 | 6 1/4 | 7 1/2 | 1/2 |
| WPSO600-3-AA | 6 | 3 | 5 1/2 | 4 1/4 | 5 3/8 | 1/2 |
| WPSO600-5-AA | 6 | 5 | 5 1/2 | 6 1/4 | 7 1/2 | 1/2 |
| WPSO400-7-AA | 4 | 7 | 4 1/4 | 8 5/8 | 9 5/8 | 1/2 |
| WPSO500-7-AA | 5 | 7 | 5 | 8 5/8 | 9 5/8 | 1/2 |
| WPSO600-7-AA | 6 | 7 | 5 1/2 | 8 5/8 | 9 5/8 | 1/2 |
| WPSO800-5-AA | 8 | 5 | 6 15/16 | 6 1/4 | 9 5/8 | 1/2 |
| WPSO800-7-AA | 8 | 7 | 6 15/16 | 8 5/8 | 9 5/8 | 1/2 |



© 2010, AFL, all rights reserved. PP-3-00538, Revision 3, 10.17.2022
Specifications are subject to change without notice.

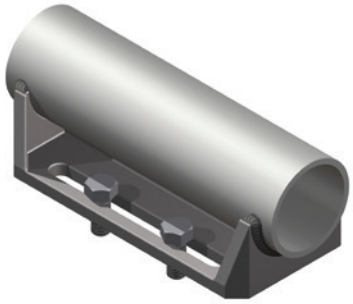
# 230 kV Aluminum Welded Bus Supports

## DOSSERT®

## TYPE WPSSL-AA

Welded Slide Bus Support

Pipe or bus tube is welded to support. The support is then bolted directly into the insulator. Bolt sleeves allow the whole support to slide on the insulator. Bolt sleeves for rigid fix support can be ordered.



### Material

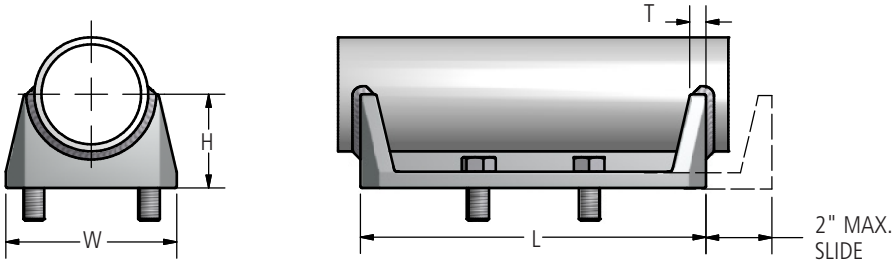
Aluminum Alloy

Hardware

Galvanized steel hardware for base mounting.

### Notes

Add "R" to catalog number for rigid fit; EX: WPSSL300-5-R-AA
Add "SR"for slip and rigid fit; EX: WPSSL30-5-R-AA




SLIDE BUS SUPPORT ASSEMBLY 1

FIXED BUS SUPPORT ASSEMBLY 2

### Ordering Information

| CATALOG NUMBER | | SPS | BOLT CIRCLE | DIMENSIONS IN INCHES | | | | |
|---|---|---|---|---|---|---|---|---|
| SLIP FIT | RIGID FIT | | | H | L | T | W | BOLT SIZE |
| WPSSL100-3-AA | WPSSL100-3-R-AA | 1 | 3 | 2 | 8-1/2 | 1/2 | 3-1/4 | 1/2 |
| WPSSL100-5-AA | WPSSL100-5-R-AA | 1 | 5 | 2-1/4 | 10-1/2 | 1/2 | 5-3/8 | 5/8 |
| WPSSL125-3-AA | WPSSL125-3-R-AA | 1-1/4 | 3 | 2-1/4 | 8-1/2 | 1/2 | 3-1/4 | 1/2 |
| WPSSL125-5-AA | WPSSL125-5-R-AA | 1-1/4 | 5 | 2-3/8 | 10-1/2 | 1/2 | 5-3/8 | 5/8 |
| WPSSL150-3-AA | WPSSL150-3-R-AA | 1-1/2 | 3 | 2-1/2 | 8-1/2 | 1/2 | 3-1/4 | 1/2 |
| WPSSL150-5-AA | WPSSL150-5-R-AA | 1-1/2 | 5 | 2-1/2 | 10-1/2 | 1/2 | 5-3/8 | 5/8 |
| WPSSL200-3-AA | WPSSL200-3-R-AA | 2 | 3 | 2-3/4 | 8-1/2 | 1/2 | 3-1/4 | 1/2 |
| WPSSL200-5-AA | WPSSL200-5-R-AA | 2 | 5 | 2-3/4 | 10-1/2 | 1/2 | 5-3/8 | 5/8 |
| WPSSL250-3-AA | WPSSL250-3-R-AA | 2-1/2 | 3 | 3-1/8 | 8-1/2 | 1/2 | 3-1/4 | 1/2 |
| WPSSL250-5-AA | WPSSL250-5-R-AA | 2-1/2 | 5 | 3-1/8 | 10-1/2 | 1/2 | 5-3/8 | 5/8 |
| WPSSL300-3-AA | WPSSL300-3-R-AA | 3 | 3 | 3-5/8 | 8-1/2 | 1/2 | 3-3/4 | 1/2 |
| WPSSL300-5-AA | WPSSL300-5-R-AA | 3 | 5 | 3-5/8 | 10-1/2 | 5/8 | 5-1/2 | 5/8 |
| WPSSL350-3-AA | WPSSL350-3-R-AA | 3-1/2 | 3 | 4 | 8-1/2 | 1/2 | 4-1/4 | 1/2 |
| WPSSL350-5-AA | WPSSL350-5-R-AA | 3-1/2 | 5 | 4 | 10-1/2 | 5/8 | 5-1/2 | 5/8 |
| WPSSL400-3-AA | WPSSL400-3-R-AA | 4 | 3 | 4-1/2 | 8-1/2 | 1/2 | 4-1/2 | 1/2 |
| WPSSL400-5-AA | WPSSL400-5-R-AA | 4 | 5 | 4-1/2 | 10-1/2 | 5/8 | 5-1/2 | 5/8 |
| WPSSL450-3-AA | WPSSL450-3-R-AA | 4-1/2 | 3 | 4-3/4 | 8-1/2 | 1/2 | 4-1/2 | 1/2 |
| WPSSL450-5-AA | WPSSL450-5-R-AA | 4-1/2 | 5 | 2-3/4 | 10-1/2 | 5/8 | 5-1/2 | 5/8 |
| WPSSL500-3-AA | WPSSL500-3-R-AA | 5 | 3 | 5 | 8-1/2 | 1/2 | 5 | 1/2 |
| WPSSL500-5-AA | WPSSL500-5-R-AA | 5 | 5 | 5 | 10-1/2 | 5/8 | 5-1/2 | 5/8 |
| WPSSL500-7-AA | WPSSL500-7-R-AA | 5 | 7 | 5 | 12-1/2 | 5/8 | 7-3/4 | 5/8 |
| WPSSL600-3-AA | WPSSL600-3-R-AA | 6 | 3 | 5-1/2 | 8-1/2 | 1/2 | 5-3/4 | 1/2 |
| WPSSL600-5-AA | WPSSL600-5-R-AA | 6 | 5 | 5-1/2 | 10-1/2 | 5/8 | 6 | 5/8 |
| WPSSL800-5-AA | WPSSL800-5-R-AA | 8 | 5 | 6-15/16 | 8-1/2 | 5/8 | 7-11/16 | 1/2 |
| WPSSL800-7-AA | WPSSL800-7-R-AA | 8 | 7 | 6-15/16 | 10-1/2 | 5/8 | 9-15/16 | 5/8 |

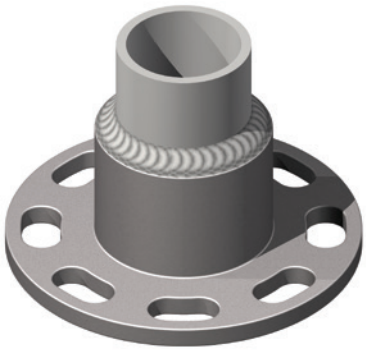


© 2010, AFL, all rights reserved. PP-3-00539, Revision 3, 11.2.2022
Specifications are subject to change without notice.

# DOSSERT®

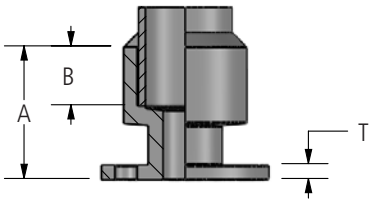
## TYPE WPSV-AA

### Vertical Welded Bus Support for Tubing or Pipe



**Material**
Aluminum Alloy

**Hardware**
Galvanized steel bolts and lockwashers.



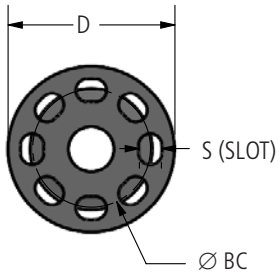
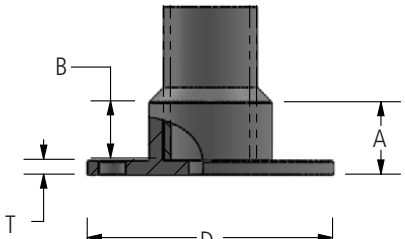




FIG. 1



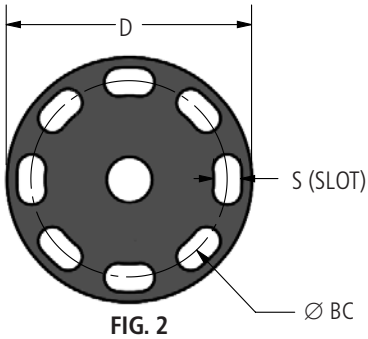




FIG. 2

## Ordering Information

| CATALOG NUMBER | SPS | BOLT CIRCLE | FIG. NO. | DIMENSIONS IN INCHES | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | A | B | D | S | T |
| WPSV100-3-AA | 1 | 3 | 2 | 1-3/8 | 1 | 4-1/4 | 9/16 | 3/8 |
| WPSV125-3-AA | 1-1/4 | 3 | 1 | 3 | 1-1/4 | 4-1/4 | 9/16 | 3/8 |
| WPSV125-5-AA | 1-1/4 | 5 | 2 | 1-3/8 | 1 | 6-1/4 | 11/16 | 3/8 |
| WPSV150-3-AA | 1-1/2 | 3 | 1 | 3 | 1-1/4 | 4-1/4 | 9/16 | 3/8 |
| WPSV150-5-AA | 1-1/2 | 5 | 2 | 1-7/8 | 1-1/2 | 6-1/4 | 11/16 | 3/8 |
| WPSV200-3-AA | 2 | 3 | 1 | 3-3/8 | 1-1/2 | 4-1/4 | 9/16 | 3/8 |
| WPSV200-5-AA | 2 | 5 | 2 | 2-1/8 | 1-3/4 | 6-1/4 | 11/16 | 3/8 |
| WPSV250-3-AA | 2-1/2 | 3 | 1 | 3-3/4 | 1-3/4 | 4-1/4 | 9/16 | 3/8 |
| WPSV250-5-AA | 2-1/2 | 5 | 2 | 2-1/8 | 1-3/4 | 6-1/4 | 11/16 | 3/8 |
| WPSV300-3-AA | 3 | 3 | 1 | 3-7/8 | 1-3/4 | 4-1/4 | 9/16 | 3/8 |
| WPSV300-5-AA | 3 | 5 | 1 | 3-5/8 | 1-3/4 | 6-1/4 | 11/16 | 3/8 |
| WPSV300-7-AA | 3 | 7 | 2 | 2-1/8 | 1-3/4 | 8-1/2 | 13/16 | 3/8 |
| WPSV350-3-AA | 3-1/2 | 3 | 1 | 4-5/16 | 2 | 4-1/4 | 9/16 | 7/16 |
| WPSV350-5-AA | 3-1/2 | 5 | 1 | 4-5/16 | 2 | 6-1/4 | 11/16 | 7/16 |
| WPSV350-7-AA | 3-1/2 | 7 | 2 | 2-1/2 | 2 | 8-1/2 | 13/16 | 1/2 |
| WPSV400-3-AA | 4 | 3 | 1 | 3-7/8 | 1-3/4 | 4-1/4 | 9/16 | 3/8 |
| WPSV400-5-AA | 4 | 5 | 1 | 3-7/8 | 1-3/4 | 6-1/4 | 11/16 | 3/8 |
| WPSV400-7-AA | 4 | 7 | 1 | 3-7/8 | 1-3/4 | 8-1/2 | 13/16 | 1/2 |
| WPSV450-3-AA | 4-1/2 | 3 | 1 | 4-5/16 | 2 | 4-1/4 | 9/16 | 3/8 |
| WPSV450-5-AA | 4-1/2 | 5 | 1 | 4-1/8 | 1-3/4 | 6-1/4 | 11/16 | 3/8 |
| WPSV450-7-AA | 4-1/2 | 7 | 1 | 4-7/16 | 2 | 8-1/2 | 13/16 | 1/2 |
| WPSV500-3-AA | 5 | 3 | 1 | 4-5/16 | 2 | 4-1/4 | 9/16 | 1/2 |
| WPSV500-5-AA | 5 | 5 | 1 | 5-1/16 | 2 | 6-1/4 | 11/16 | 1/2 |
| WPSV500-7-AA | 5 | 7 | 1 | 5-1/16 | 2 | 8-1/2 | 13/16 | 1/2 |
| WPSV600-3-AA | 6 | 3 | 1 | 5-1/4 | 3 | 4-1/4 | 9/16 | 3/8 |
| WPSV600-5-AA | 6 | 5 | 1 | 5-3/8 | 3 | 6-1/4 | 11/16 | 1/2 |
| WPSV600-7-AA | 6 | 7 | 1 | 5-3/8 | 3 | 8-1/2 | 13/16 | 1/2 |
| WPSV800-5-AA | 8 | 5 | 1 | 6-3/8 | 3-3/4 | 6-1/4 | 11/16 | 1/2 |
| WPSV800-7-AA | 8 | 7 | 1 | 6-3/8 | 3-3/4 | 8-1/2 | 13/16 | 1/2 |



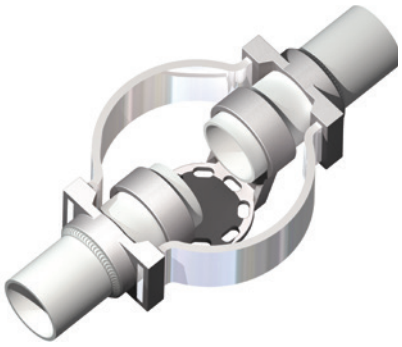
© 2010, AFL, all rights reserved. PP-3-00541, Revision 4, 11.2.2022
Specifications are subject to change without notice.

# 230 kV Aluminum Welded Bus Supports

## DOSSERT®

## TYPE WXBC-AA, WXBC-E-AA

Expansion Support is designed to compensate for expansion and contraction in long bus runs.



WXBC-AA

### Material

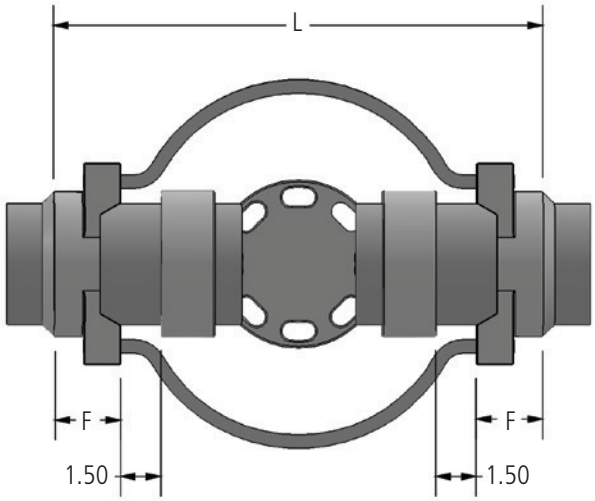
Aluminum Alloy

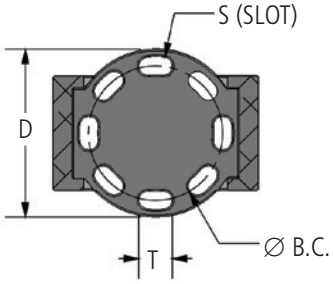
### Hardware

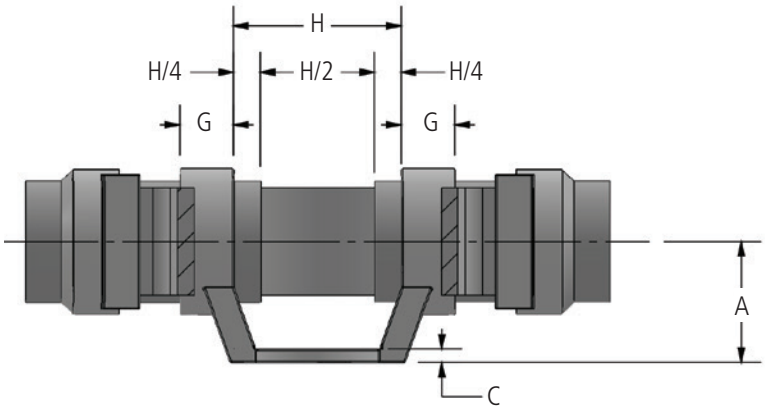
Galvanized steel bolts and lockwashers

### Notes

- For Welded End Plug, add "-WP" to the catalog number. EX: WXBC400-5-AA-WP
- For Chatter Spring, add "-CH" to the catalog number. EX: WXBC400-5-CH-AA




*continued*



© 2010, AFL, all rights reserved. PP-3-00590, Revision 1, 4.24.18
Specifications are subject to change without notice.

# 230 kV Aluminum Welded Bus Supports

## DOSSERT®

## TYPE WXBC-AA, WXBC-E-AA

### Ordering Information

| CATALOG NUMBER | | SPS | DIMENSIONS IN INCHES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCHEDULE 40 | SCHEDULE 80 | | A | B.C. | C | D | F | G | H | L | S | T |
| WXBC100-3-AA | WXBC100E-3-AA | 1 | 2.00 | 3.00 | 0.38 | 4.25 | 1.50 | 1.25 | 4.50 | 13.00 | 0.56 | 0.81 |
| WXBC125-3-AA | WXBC125E-3-AA | 1 1/4 | 2.25 | 3.00 | 0.38 | 4.25 | 1.50 | 1.25 | 4.50 | 13.00 | 0.56 | 0.81 |
| WXBC125-5-AA | WXBC125E-5-AA | 1 1/4 | 2.38 | 5.00 | 0.38 | 6.25 | 1.50 | 1.25 | 6.25 | 14.75 | 0.69 | 1.06 |
| WXBC150-3-AA | WXBC150E-3-AA | 1 1/2 | 2.50 | 3.00 | 0.38 | 4.25 | 1.75 | 1.25 | 4.50 | 13.50 | 0.56 | 0.81 |
| WXBC150-5-AA | WXBC150E-5-AA | 1 1/2 | 2.50 | 5.00 | 0.38 | 6.25 | 1.75 | 1.25 | 6.25 | 15.25 | 0.69 | 1.06 |
| WXBC200-3-AA | WXBC200E-3-AA | 2 | 2.75 | 3.00 | 0.38 | 4.25 | 2.19 | 1.25 | 4.50 | 14.38 | 0.56 | 0.81 |
| WXBC200-5-AA | WXBC200E-5-AA | 2 | 2.75 | 5.00 | 0.38 | 6.25 | 2.19 | 1.25 | 6.25 | 16.13 | 0.69 | 1.06 |
| WXBC200-7-AA | WXBC200E-7-AA | 2 | 2.75 | 7.00 | 0.38 | 8.50 | 2.19 | 1.25 | 8.75 | 18.75 | 0.81 | 1.63 |
| WXBC250-3-AA | WXBC250E-3-AA | 2 1/2 | 3.13 | 3.00 | 0.38 | 4.25 | 2.19 | 1.25 | 4.50 | 14.38 | 0.56 | 0.81 |
| WXBC250-5-AA | WXBC250E-5-AA | 2 1/2 | 3.13 | 5.00 | 0.38 | 6.25 | 2.19 | 1.25 | 6.25 | 16.13 | 0.69 | 1.06 |
| WXBC250-7-AA | WXBC250E-7-AA | 2 1/2 | 3.13 | 7.00 | 0.38 | 8.50 | 2.19 | 1.25 | 8.75 | 18.75 | 0.81 | 1.63 |
| WXBC300-3-AA | WXBC300E-3-AA | 3 | 3.63 | 3.00 | 0.44 | 4.25 | 2.31 | 1.63 | 4.50 | 14.63 | 0.56 | 0.81 |
| WXBC300-5-AA | WXBC300E-5-AA | 3 | 3.63 | 5.00 | 0.50 | 6.25 | 2.31 | 1.63 | 6.25 | 16.38 | 0.69 | 1.06 |
| WXBC300-7-AA | WXBC300E-7-AA | 3 | 3.63 | 7.00 | 0.44 | 8.50 | 2.31 | 1.63 | 8.75 | 19.75 | 0.81 | 1.63 |
| WXBC350-3-AA | WXBC350E-3-AA | 3 1/2 | 4.00 | 3.00 | 0.50 | 4.25 | 2.31 | 1.25 | 4.50 | 14.63 | 0.56 | 0.81 |
| WXBC350-5-AA | WXBC350E-5-AA | 3 1/2 | 4.00 | 5.00 | 0.50 | 6.25 | 2.25 | 1.25 | 7.13 | 17.13 | 0.69 | 1.06 |
| WXBC350-7-AA | WXBC350E-7-AA | 3 1/2 | 4.00 | 7.00 | 0.50 | 6.25 | 2.25 | 1.25 | 8.75 | 19.75 | 0.81 | 1.63 |
| WXBC350-5-S-AA | WXBC350E-5-S-AA | 3 1/2 | 5.00 | 5.00 | 0.50 | 6.25 | 2.25 | 1.25 | 7.13 | 17.13 | 0.69 | 1.06 |
| WXBC400-3-AA | WXBC400E-3-AA | 4 | 4.50 | 3.00 | 0.50 | 4.25 | 2.50 | 2.00 | 4.50 | 15.50 | 0.56 | 0.81 |
| WXBC400-5-AA | WXBC400E-5-AA | 4 | 4.50 | 5.00 | 0.50 | 6.25 | 2.50 | 2.00 | 6.25 | 17.25 | 0.69 | 1.06 |
| WXBC400-7-AA | WXBC400E-7-AA | 4 | 4.50 | 7.00 | 0.50 | 8.50 | 2.50 | 2.00 | 8.75 | 20.50 | 0.81 | 1.63 |
| WXBC500-3-AA | WXBC500E-3-AA | 5 | 5.00 | 3.00 | 0.50 | 4.25 | 2.50 | 2.00 | 4.50 | 15.50 | 0.56 | 0.81 |
| WXBC500-5-AA | WXBC500E-5-AA | 5 | 5.00 | 5.00 | 0.50 | 6.25 | 2.50 | 2.00 | 6.25 | 18.25 | 0.69 | 1.06 |
| WXBC500-7-AA | WXBC500E-7-AA | 5 | 5.00 | 7.00 | 0.63 | 8.50 | 2.50 | 2.00 | 8.75 | 19.75 | 0.81 | 1.63 |
| WXBC500-5-S-AA | WXBC500E-5-S-AA | 5 | 4.88 | 5.00 | 0.50 | 6.25 | 2.50 | 2.00 | 6.25 | 17.25 | 0.69 | 1.06 |
| WXBC600-3-AA | WXBC600E-3-AA | 6 | 5.50 | 3.00 | 0.50 | 4.25 | 2.50 | 2.00 | 4.50 | 15.50 | 0.56 | 0.81 |
| WXBC600-5-AA | WXBC600E-5-AA | 6 | 5.50 | 5.00 | 0.50 | 6.25 | 2.50 | 2.00 | 6.25 | 19.75 | 0.69 | 1.06 |
| WXBC600-7-AA | WXBC600E-7-AA | 6 | 5.50 | 7.00 | 0.63 | 8.50 | 25.50 | 2.00 | 8.75 | 22.75 | 0.81 | 1.63 |
| WXBC800R-5-AA | — | 8 OD | 6.38 | 5.00 | 0.63 | 6.25 | 3.00 | 2.00 | 8.50 | 21.50 | 0.69 | 1.06 |
| WXBC800R-7-AA | — | 8 OD | 6.38 | 7.00 | 0.63 | 8.50 | 3.00 | 2.00 | 8.50 | 21.50 | 0.81 | 1.63 |



© 2010, AFL, all rights reserved. PP-3-00590, Revision 1, 4.23.18
Specifications are subject to change without notice.

# TYPE 14700 Straight Adapter Tube to Cable

Adapter is designed to make inline connection between pipe and stranded cable. Cable is “puddle” welded to connector; connector is then welded to tube. Not recommended for use on ACSR conductors due to difficulty welding steel core.



## Material

Aluminum Alloy

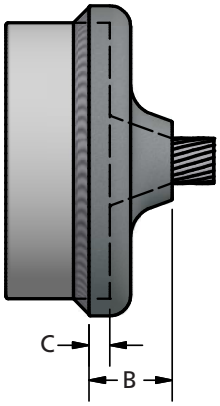
## Notes

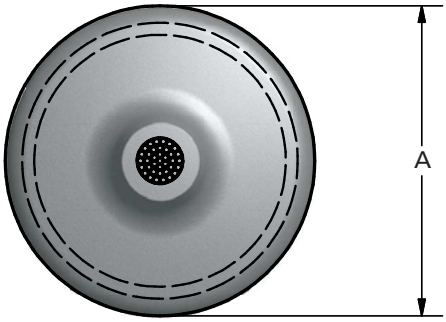
**1.** Table 1 shows physical characteristics of each catalog series.
**2.** Table 2 shows specific catalog numbers.

## Ordering Instructions

**1.** Determine Catalog Number

- Determine the catalog number from Table 2 based on the bus conductor and the diameter of the stranded conductor being used.
- Ex: A straight adapter for a run conductor of 3" Sch 40 and a stranded conductor diameter of 0.926" the complete catalog number is : 14708.100




AFL’s Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

*continued*

© 2010, AFL, all rights reserved. PP-3-00151, Revision 1, 2.23.2026
Specifications are subject to change without notice.

# TYPE 14700 Straight Adapter Tube to Cable

| Table 1 (Physical Characteristics by Series) | | | | | |
|---|---|---|---|---|---|
| Catalog Number | SPS | Dimensions in inches | | | Nominal Weight lbs |
| | | A | B | C | |
| 14702 | 3/4 | 1.50 | 1.19 | 0.19 | 0.12 |
| 14703 | 1 | 1.84 | 1.44 | 0.19 | 0.19 |
| 14704 | 1 1/4 | 2.19 | 2.00 | 0.25 | 0.50 |
| 14705 | 1 1/2 | 2.56 | 2.44 | 0.44 | 0.56 |
| 14706 | 2 | 2.97 | 2.44 | 0.44 | 0.56 |
| 14707 | 2 1/2 | 3.53 | 2.00 | 0.44 | 0.81 |
| 14708 | 3 | 4.22 | 2.00 | 0.44 | 1.20 |
| 14709 | 3 1/2 | 4.66 | 2.00 | 0.44 | 1.30 |
| 14710 | 4 | 5.22 | 2.00 | 0.50 | 1.50 |
| 14712 | 5 | 6.38 | 2.00 | 0.50 | 1.90 |
| 14713 | 6 | 7.44 | 2.00 | 0.50 | 2.60 |

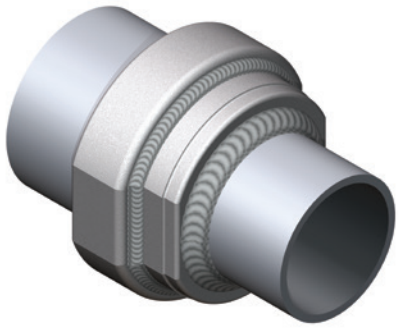
## Ordering Information

| Table 2 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Standard Conductor Diameter Range in inches | Catalog Numbers | | | | | | | | | | |
| | Run Conductors | | | | | | | | | | |
| | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 | 5 | 6 |
| .366-.394 | 14702.4 | 14703.4 | 14704.4 | 14705.4 | 14706.4 | 14707.4 | 14708.4 | 14709.4 | 14710.4 | 14712.4 | 14713.4 |
| .395-.428 | 14702.44 | 14703.44 | 14704.44 | 14705.44 | 14706.44 | 14707.44 | 14708.44 | 14709.44 | 14710.44 | 14712.44 | 14713.44 |
| .429-.459 | 14702.47 | 14703.47 | 14704.47 | 14705.47 | 14706.47 | 14707.47 | 14708.47 | 14709.47 | 14710.47 | 14712.47 | 14713.47 |
| .460-.49 | 14702.5 | 14703.5 | 14704.5 | 14705.5 | 14706.5 | 14707.5 | 14708.5 | 14709.5 | 14710.5 | 14712.5 | 14713.5 |
| .491-.521 | 14702.53 | 14703.53 | 14704.53 | 14705.53 | 14706.53 | 14707.53 | 14708.53 | 14709.53 | 14710.53 | 14712.53 | 14713.53 |
| .522-.552 | 14702.56 | 14703.56 | 14704.56 | 14705.56 | 14706.56 | 14707.56 | 14708.56 | 14709.56 | 14710.56 | 14712.56 | 14713.56 |
| .553-.599 | 14702.61 | 14703.61 | 14704.61 | 14705.61 | 14706.61 | 14707.61 | 14708.61 | 14709.61 | 14710.61 | 14712.61 | 14713.61 |
| .600-.644 | 14702.66 | 14703.66 | 14704.66 | 14705.66 | 14706.66 | 14707.66 | 14708.66 | 14709.66 | 14710.66 | 14712.66 | 14713.66 |
| .645-.691 | - | 14703.7 | 14704.7 | 14705.7 | 14706.7 | 14707.7 | 14708.7 | 14709.7 | 14710.7 | 14712.7 | 14713.7 |
| .692-.738 | - | 14703.75 | 14704.75 | 14705.75 | 14706.75 | 14707.75 | 14708.75 | 14709.75 | 14710.75 | 14712.75 | 14713.75 |
| .739-.800 | - | 14703.81 | 14704.81 | 14705.81 | 14706.81 | 14707.81 | 14708.81 | 14709.81 | 14710.81 | 14712.81 | 14713.81 |
| .801-.863 | - | 14703.88 | 14704.88 | 14705.88 | 14706.88 | 14707.88 | 14708.88 | 14709.88 | 14710.88 | 14712.88 | 14713.88 |
| .864-.925 | - | - | 14704.94 | 14705.94 | 14706.94 | 14707.94 | 14708.94 | 14709.94 | 14710.94 | 14712.94 | 14713.94 |
| .926-.985 | - | - | 14704.1 | 14705.1 | 14706.1 | 14707.1 | 14708.1 | 14709.1 | 14710.1 | 14712.1 | 14713.1 |
| .986-1.047 | - | - | 14704.106 | 14705.106 | 14706.106 | 14707.106 | 14708.106 | 14709.106 | 14710.106 | 14712.106 | 14713.106 |
| 1.048-1.110 | - | - | 14704.112 | 14705.112 | 14706.112 | 14707.112 | 14708.112 | 14709.112 | 14710.112 | 14712.112 | 14713.112 |
| 1.111-1.173 | - | - | 14704.119 | 14705.119 | 14706.119 | 14707.119 | 14708.119 | 14709.119 | 14710.119 | 14712.119 | 14713.119 |
| 1.174-1.235 | - | - | 14704.125 | 14705.125 | 14706.125 | 14707.125 | 14708.125 | 14709.125 | 14710.125 | 14712.125 | 14713.125 |
| 1.236-1.297 | - | - | 14704.131 | 14705.131 | 14706.131 | 14707.131 | 14708.131 | 14709.131 | 14710.131 | 14712.131 | 14713.131 |
| 1.298-1.360 | - | - | 14704.138 | 14705.138 | 14706.138 | 14707.138 | 14708.138 | 14709.138 | 14710.138 | 14712.138 | 14713.138 |
| 1.361-1.423 | - | - | - | 14705.144 | 14706.144 | 14707.144 | 14708.144 | 14709.144 | 14710.144 | 14712.144 | 14713.144 |
| 1.424-1.485 | - | - | - | 14705.15 | 14706.15 | 14707.15 | 14708.15 | 14709.15 | 14710.15 | 14712.15 | 14713.15 |
| 1.486-1.542 | - | - | - | 14705.156 | 14706.156 | 14707.156 | 14708.156 | 14709.156 | 14710.156 | 14712.156 | 14713.156 |

© 2010, AFL, all rights reserved. PP-3-00151, Revision 1, 2.23.2026
Specifications are subject to change without notice.

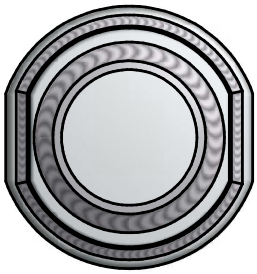
# TYPE 15100 Reducer Connector for Pipe

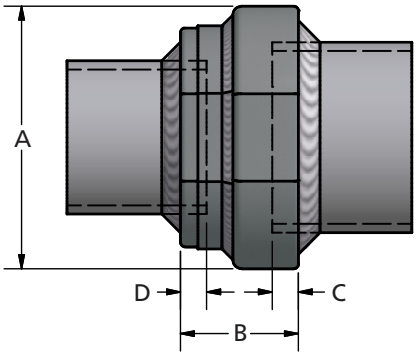
Reducer connector is designed to connect unequal pipe sizes with minimum amount of trouble. Connector is welded on outside of pipe allowing use on both schedule 40 and schedule 80 pipe.



## Material

Aluminum Alloy






## Ordering Information

| Catalog Number | Conductor Size SCH40 & SCH80 | | Dimenions in inches | | | | Nominal Weight lbs |
|---|---|---|---|---|---|---|---|
| | Run | Branch | A | B | C | D | |
| 15103-2 | 1 | 3/4 | 1.88 | 0.84 | 0.15 | 0.19 | 0.20 |
| 15104-2 | 1 1/4 | 3/4 | 2.19 | 1.00 | 0.25 | 0.19 | 0.25 |
| 15104-3 | 1 1/4 | 1 | 2.19 | 1.09 | 0.25 | 0.19 | 0.29 |
| 15105-2 | 1 1/2 | 3/4 | 2.44 | 1.00 | 0.38 | 0.19 | 0.27 |
| 15105-3 | 1 1/2 | 1 | 2.44 | 1.09 | 0.38 | 0.19 | 0.33 |
| 15105-4 | 1 1/2 | 1 1/4 | 2.44 | 1.25 | 0.38 | 0.25 | 0.37 |
| 15106-2 | 2 | 3/4 | 2.94 | 1.12 | 0.44 | 0.19 | 0.39 |
| 15106-3 | 2 | 1 | 2.94 | 1.22 | 0.44 | 0.19 | 0.45 |
| 15106-4 | 2 | 1 1/4 | 2.94 | 1.38 | 0.44 | 0.25 | 0.49 |
| 15106-5 | 2 | 1 1/2 | 2.94 | 1.38 | 0.44 | 0.38 | 0.57 |
| 15107-2 | 2 1/2 | 3/4 | 3.50 | 1.19 | 0.44 | 0.19 | 0.52 |
| 15107-3 | 2 1/2 | 1 | 3.50 | 1.28 | 0.44 | 0.19 | 0.58 |
| 15107-4 | 2 1/2 | 1 1/4 | 3.50 | 1.44 | 0.44 | 0.25 | 0.62 |
| 15107-5 | 2 1/2 | 1 1/2 | 3.50 | 1.44 | 0.44 | 0.38 | 0.70 |
| 15107-6 | 2 1/2 | 2 | 3.50 | 1.56 | 0.44 | 0.44 | 0.82 |
| 15108-2 | 3 | 3/4 | 4.12 | 1.31 | 0.44 | 0.19 | 0.83 |
| 15108-3 | 3 | 1 | 4.12 | 1.41 | 0.44 | 0.19 | 0.89 |
| 15108-4 | 3 | 1 1/4 | 4.12 | 1.56 | 0.44 | 0.25 | 0.93 |
| 15108-5 | 3 | 1 1/2 | 4.12 | 1.56 | 0.44 | 0.38 | 1.00 |
| 15108-6 | 3 | 2 | 4.12 | 1.69 | 0.44 | 0.44 | 1.10 |
| 15108-7 | 3 | 2 1/2 | 4.12 | 1.75 | 0.44 | 0.44 | 1.30 |
| 15109-2 | 3.5 | 3/4 | 4.69 | 1.31 | 0.44 | 0.19 | 1.1 |
| 15109-3 | 3.5 | 1 | 4.69 | 1.41 | 0.44 | 0.19 | 1.1 |
| 15109-4 | 3.5 | 1 1/4 | 4.69 | 1.56 | 0.44 | 0.25 | 1.2 |
| 15109-5 | 3.5 | 1 1/2 | 4.69 | 1.56 | 0.44 | 0.38 | 1.3 |
| 15109-6 | 3.5 | 2 | 4.69 | 1.69 | 0.44 | 0.44 | 1.4 |
| 15109-7 | 3.5 | 2 1/2 | 4.69 | 1.75 | 0.44 | 0.44 | 1.5 |
| 15109-8 | 3.5 | 3 | 4.69 | 1.88 | 0.44 | 0.44 | 1.9 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

*continued*

© 2010, AFL, all rights reserved. PP-3-00153, Revision 1, 2.23.2026
Specifications are subject to change without notice.

# TYPE 15100 Reducer Connector for Pipe

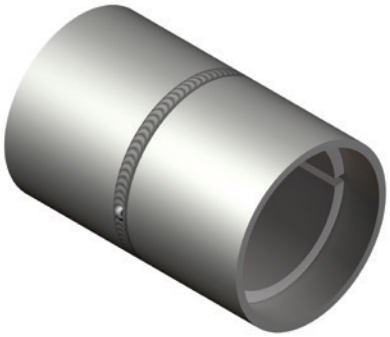
## Ordering Information

| Catalog Number | Conductor Size SCH40 & SCH80 | | Dimenions in inches | | | | Nominal Weight lbs |
|---|---|---|---|---|---|---|---|
| | Run | Branch | A | B | C | D | |
| 15110-2 | 4 | 3/4 | 5.19 | 1.38 | 0.5 | 0.19 | 1.3 |
| 15110-3 | 4 | 1 | 5.19 | 1.47 | 0.5 | 0.19 | 1.3 |
| 15110-4 | 4 | 1 1/4 | 5.19 | 1.62 | 0.5 | 0.25 | 1.4 |
| 15110-5 | 4 | 1 1/2 | 5.19 | 1.62 | 0.5 | 0.44 | 1.5 |
| 15110-6 | 4 | 2 | 5.19 | 1.75 | 0.5 | 0.44 | 1.6 |
| 15110-7 | 4 | 2 1/2 | 5.19 | 1.81 | 0.5 | 0.44 | 1.7 |
| 15110-8 | 4 | 3 | 5.19 | 1.94 | 0.5 | 0.44 | 2.1 |
| 15110-9 | 4 | 3 1/2 | 5.19 | 1.94 | 0.5 | 0.44 | 2.3 |
| 15112-2 | 5 | 3/4 | 6.25 | 1.38 | 0.5 | 0.19 | 1.8 |
| 15112-3 | 5 | 1 | 6.25 | 1.47 | 0.5 | 0.19 | 1.8 |
| 15112-4 | 5 | 1 1/4 | 6.25 | 1.62 | 0.5 | 0.25 | 1.9 |
| 15112-5 | 5 | 1 1/2 | 6.25 | 1.62 | 0.5 | 0.38 | 2 |
| 15112-6 | 5 | 2 | 6.25 | 1.75 | 0.5 | 0.44 | 2.1 |
| 15112-7 | 5 | 2 1/2 | 6.25 | 1.81 | 0.5 | 0.44 | 2.2 |
| 15112-8 | 5 | 3 | 6.25 | 1.94 | 0.5 | 0.44 | 2.6 |
| 15112-9 | 5 | 3 1/2 | 6.25 | 1.94 | 0.5 | 0.44 | 2.8 |
| 15112-10 | 5 | 4 | 6.25 | 2 | 0.5 | 0.5 | 3.1 |
| 15113-2 | 6 | 7/9 | 7.38 | 1.38 | 0.5 | 0.19 | 2.4 |
| 15113-3 | 6 | 1 | 7.38 | 1.47 | 0.5 | 0.19 | 2.4 |
| 15113-4 | 6 | 1 1/4 | 7.38 | 1.62 | 0.5 | 0.25 | 2.5 |
| 15113-5 | 6 | 1 1/2 | 7.38 | 1.62 | 0.5 | 0.38 | 2.6 |
| 15113-6 | 6 | 2 | 7.38 | 1.75 | 0.5 | 0.44 | 2.7 |
| 15113-7 | 6 | 2 1/2 | 7.38 | 1.81 | 0.5 | 0.44 | 2.8 |
| 15113-8 | 6 | 3 | 7.38 | 1.94 | 0.5 | 0.44 | 3.2 |
| 15113-9 | 6 | 3 1/2 | 7.38 | 1.94 | 0.5 | 0.44 | 3.4 |
| 15113-10 | 6 | 4 | 7.38 | 2 | 0.5 | 0.5 | 3.7 |
| 15113-12 | 6 | 5 | 7.38 | 2 | 0.5 | 0.5 | 4.3 |

© 2010, AFL, all rights reserved. PP-3-00153, Revision 1, 2.23.2026
Specifications are subject to change without notice.

# TYPE WS-AA, WS-E-AA Aluminum Welded Coupler

A shorter version of the Type WWC coupler, also made to special lengths.

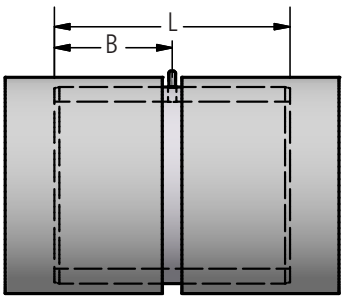


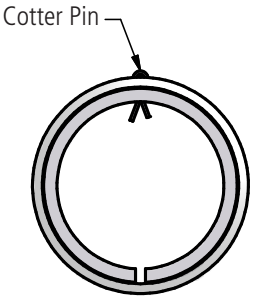
## Material

Aluminum Tubing

## Notes

1. To order special lengths, add desired (L) dimension to the catalog number. Example: WS500-15-AA for 15 inch coupler.




## Ordering Information

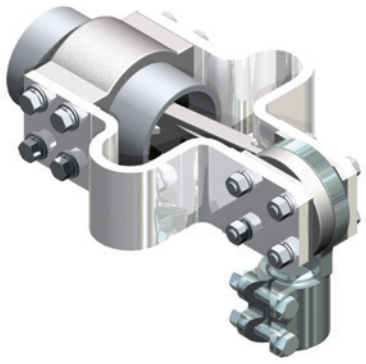
| Catalog Number | | Nominal Pipe Size | Dimensions in inches | |
|---|---|---|---|---|
| SCH 40 | SCH 80 | | B | L |
| WS100-AA | WS100E-AA | 1 | 1-3/4 | 3-1/2 |
| WS125-AA | WS125E-AA | 1-1/4 | 2 | 4 |
| WS150-AA | WS150E-AA | 1-1/2 | 2 | 4 |
| WS200-AA | WS200E-AA | 2 | 2 | 4 |
| WS250-AA | WS250E-AA | 2-1/2 | 3 | 6 |
| WS300-AA | WS300E-AA | 3 | 3 | 6 |
| WS350-AA | WS350E-AA | 3-1/2 | 3 | 6 |
| WS400-AA | WS400E-AA | 4 | 3 | 6 |
| WS450-AA | WS450E-AA | 4-1/2 | 3 | 6 |
| WS500-AA | WS500E-AA | 5 | 3 | 6 |
| WS600-AA | WS600E-AA | 6 | 3 | 6 |
| WS800-AA | WS800E-AA | 8 | 3 | 6 |
| WS1000-AA | WS1000E-AA | 10 | 3 | 6 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2010, AFL, all rights reserved. PP-3-00545, Revision 1, 2.24.2026
Specifications are subject to change without notice.

# TYPE WSXL-SI-AA Aluminum to Bronze Angular Expansion Connector

Expansion connector is designed for expansion and contraction in long bus runs. Stud connector can be adjusted to suit customers application.



## Material

Aluminum Alloy

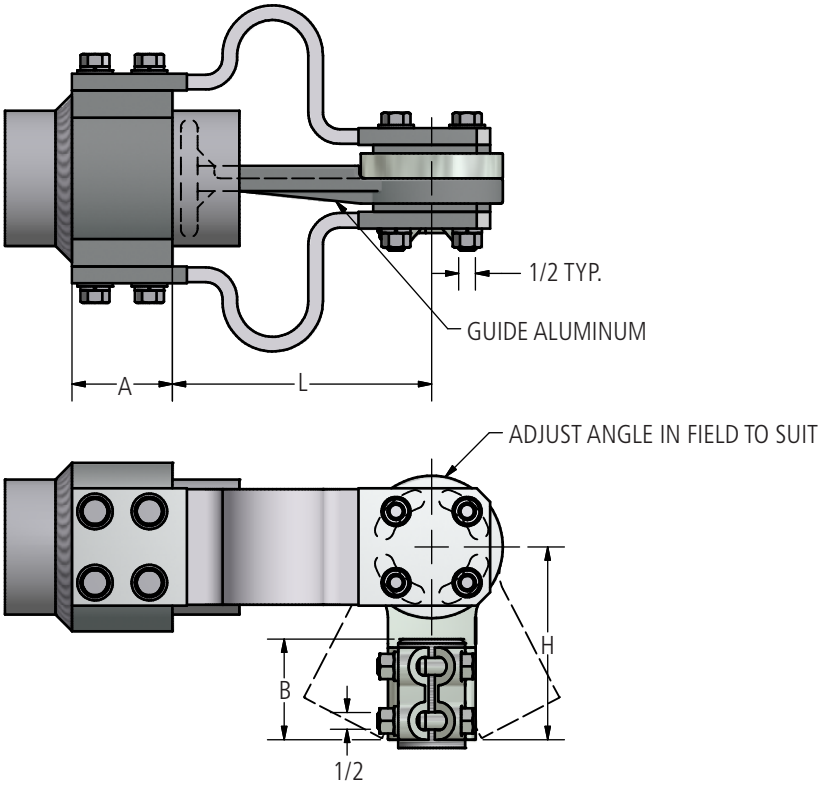
## Hardware

Stainless steel nuts, bolts and belleville washers on aluminum bus.

## Notes

For a custom thread count change the number after the "T" in the catalog number. Ex:WSXL200C-350-SI-T0-AA

Additional sizes are available.




## Ordering Information

| Stud(s) | SPS | Catalog Number | Dimensions in inches | | | |
|---|---|---|---|---|---|---|
| | | | A | B | H | L |
| 2"-12 | 2 | WSXL200C-350-SI-T12-AA | 3 | 2 3/4 | 5 3/4 | 7 3/4 |
| 2"-12 | 4E* | WSXL200C-400E-SI-T12-AA | 3 | 2 3/4 | 5 3/4 | 9 5/16 |
| 3"-12 | 4E* | WSXL300C-400E-SI-T12-AA | 3 | 3 | 6 5/8 | 9 5/16 |

* Suffix E indicates SCH 80.

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2010, AFL, all rights reserved. PP-3-00546, Revision 1, 2.24.2026
Specifications are subject to change without notice.



AFLglobal.com
1 (800) 890-8878

# TYPE WWC-AA, WWC-E-AA Aluminum Welded Coupler

Coupler is designed to make connections with high mechanical strength and high electrical conductivity.

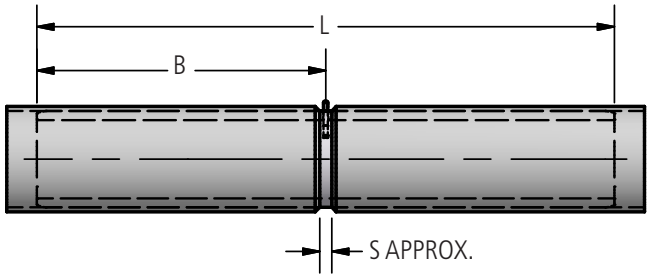


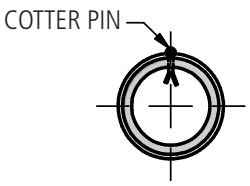
## Material

Aluminum Alloy

## Notes

- For pipe sizes greater than 6 inch or special I.D. and O.D. applications, please contact AFL.




## Ordering Information

| Catalog Number | | SPS | Dimensions in inches | | |
|---|---|---|---|---|---|
| Schedule 40 | Schedule 80 | | B | L | S |
| WWC75-AA | WWC75E-AA | 3/4 | 2-1/4 | 4-1/2 | 1/4 |
| WWC100-AA | WWC100E-AA | 1 | 3 | 6 | 1/4 |
| WWC125-AA | WWC125E-AA | 1-1/4 | 3-3/4 | 7-1/2 | 3/8 |
| WWC150-AA | WWC150E-AA | 1-1/2 | 4-1/2 | 9 | 3/8 |
| WWC200-AA | WWC200E-AA | 2 | 6 | 12 | 3/8 |
| WWC250-AA | WWC250E-AA | 2-1/2 | 7-1/2 | 15 | 1/2 |
| WWC300-AA | WWC300E-AA | 3 | 9 | 18 | 1/2 |
| WWC350-AA | WWC350E-AA | 3-1/2 | 10-1/2 | 21 | 1/2 |
| WWC400-AA | WWC400E-AA | 4 | 12 | 24 | 1/2 |
| WWC450-AA | WWC450E-AA | 4-1/2 | 12 | 24 | 1/2 |
| WWC500-AA | WWC500E-AA | 5 | 12 | 24 | 1/2 |
| WWC600-AA | WWC600E-AA | 6 | 12 | 24 | 5/8 |
| WWC600-5/8-AA | — | 6 - 5/8 WALL | 12.00 | 24.00 | 0.63 |
| WWC600R38-AA | — | 6 OD 3/8 WALL | 19 | 38 | 5/8 |
| WWC800-AA | WWC800E-AA | 8 | 12 | 24 | 5/8 |
| WWC800R38-AA | — | 8 OD 3/8 WALL | 19 | 38 | 5/8 |
| WWC800R-AA | — | 8 OD 1/2 WALL | 12 | 24 | 5/8 |
| WWC800R9/32-AA | — | 8 OD 9/32 WALL | 12.00 | 24.00 | 0.63 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2010, AFL, all rights reserved. PP-3-00575, Revision 2, 2.24.2026
Specifications are subject to change without notice.

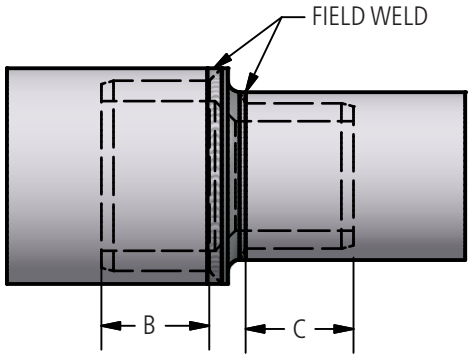
# TYPE WWCR-AA, WWCR-E-AA Reducing Coupler

A reducing coupler for joining aluminum pipe of different diameters. Provides maximum structural reinforcement at the joint as well as a neat and corona free installation. Pipe is easily aligned and held during welding.



## Material

Aluminum-Silicon Alloy




## Ordering Information

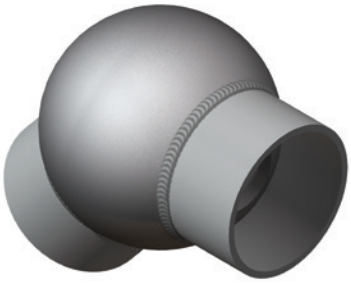
| Catalog Number | | SPS | | Dimensions in inches | |
|---|---|---|---|---|---|
| Schedule 40 | Schedule 80 | Run | Tap | B | C |
| WWCR125-100-AA | WWCR125E-100-AA | 1-1/4 | 1 | 1 | 3/4 |
| WWCR150-100-AA | WWCR150E-100-AA | 1-1/2 | 1 | 1 | 3/4 |
| WWCR150-125-AA | WWCR150E-125-AA | 1-1/2 | 1-1/4 | 1 | 1 |
| WWCR200-100-AA | WWCR200E-100-AA | 2 | 1 | 1-1/4 | 3/4 |
| WWCR200-125-AA | WWCR200E-125-AA | 2 | 1-1/4 | 1-1/4 | 1 |
| WWCR200-150-AA | WWCR200E-150-AA | 2 | 1-1/2 | 1-1/4 | 1 |
| WWCR250-125-AA | WWCR250E-125-AA | 2-1/2 | 1-1/4 | 1-1/2 | 1 |
| WWCR250-150-AA | WWCR250E-150-AA | 2-1/2 | 1-1/2 | 1-1/2 | 1 |
| WWCR250-200-AA | WWCR250E-200-AA | 2-1/2 | 2 | 1-1/2 | 1-1/4 |
| WWCR300-100-AA | WWCR300E-100-AA | 3 | 1 | 1-3/4 | 3/4 |
| WWCR300-150-AA | WWCR300E-150-AA | 3 | 1-1/2 | 1-3/4 | 1 |
| WWCR300-200-AA | WWCR300E-200-AA | 3 | 2 | 1-3/4 | 1-1/4 |
| WWCR300-250-AA | WWCR300E-250-AA | 3 | 2-1/2 | 1-3/4 | 1-1/2 |
| WWCR350-200-AA | WWCR350E-200-AA | 3-1/2 | 2 | 1-3/4 | 1-1/4 |
| WWCR400-200-AA | WWCR400E-200-AA | 4 | 2 | 2-1/4 | 1-1/4 |
| WWCR400-250-AA | WWCR400E-250-AA | 4 | 2-1/2 | 2-1/4 | 1-1/2 |
| WWCR400-300-AA | WWCR400E-300-AA | 4 | 3 | 2-1/4 | 1-3/4 |
| WWCR450-400-AA | WWCR450E-400-AA | 4-1/2 | 4 | 2-1/2 | 2-1/4 |
| WWCR500-250-AA | WWCR500E-250-AA | 5 | 2-1/2 | 2-3/4 | 1-1/2 |
| WWCR500-300-AA | WWCR500E-300-AA | 5 | 3 | 2-3/4 | 1-3/4 |
| WWCR500-400-AA | WWCR500E-400-AA | 5 | 4 | 2-3/4 | 2-1/4 |
| WWCR500-350-AA | WWCR500E-350-AA | 5 | 3-1/2 | 2-3/4 | 2 |
| WWCR600-300-AA | WWCR600E-300-AA | 6 | 3 | 3 | 1-3/4 |
| WWCR600-400-AA | WWCR600E-400-AA | 6 | 4 | 3 | 2-1/4 |
| WWCR600-500-AA | WWCR600E-500-AA | 6 | 5 | 3 | 2-3/4 |
| WWCR800-400-AA | WWCR800E-400-AA | 8 | 4 | 4 | 2-1/4 |
| WWCR800-500-AA | WWCR800E-500-AA | 8 | 5 | 4 | 2-3/4 |
| WWCR800-600-AA | WWCR800E-600-AA | 8 | 6 | 4 | 3-1/4 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2010, AFL, all rights reserved. PP-3-00577, Revision 1, 2.24.2026
Specifications are subject to change without notice.

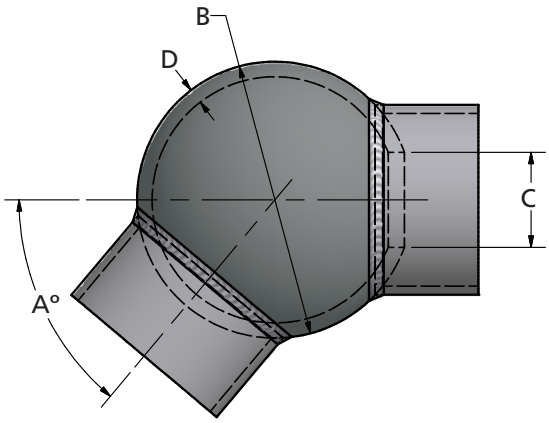
# TYPE WWSC-AA
# Weldment Spherical Coupler

WWSC-AA is a variable angle coupler for aluminum pipe conductor.



## Material

Aluminum Alloy




## Ordering Information

| Catalog Number | SPS | Dimensions in inches | | | | Max kV |
|---|---|---|---|---|---|---|
| | | A° (max) | B | C | D | |
| WWSC500-AA | 1 1/2 | 130 | 5 | 1 3/4 | 5/16 | 230 |
| WWSC500-AA | 2 | 115 | 5 | 1 3/4 | 5/16 | 230 |
| WWSC500-AA | 2 1/2 | 105 | 5 | 1 3/4 | 5/16 | 230 |
| WWSC500-AA | 3 | 90 | 5 | 1 3/4 | 5/16 | 230 |
| WWSC500-AA | 3 1/2 | 80 | 5 | 1 3/4 | 5/16 | 230 |
| WWSC500-AA | 4 | 50 | 5 | 1 3/4 | 5/16 | 230 |
| WWSC800-AA | 3 through 5 | 90 | 8 | 2 3/4 | 7/16 | 345 |
| WWSC800-AA | 6 | 60 | 8 | 2 3/4 | 7/16 | 345 |
| WWSC800-AA | 8 OD | 40 | 8 | 2 3/4 | 7/16 | 345 |
| WWSC1200-AA | 3 | 140 | 12 | 2 3/4 | 3/8 | 500 |
| WWSC1200-AA | 3 1/2 | 135 | 12 | 2 3/4 | 3/8 | 500 |
| WWSC1200-AA | 4 | 130 | 12 | 2 3/4 | 3/8 | 500 |
| WWSC1200-AA | 5 | 120 | 12 | 2 3/4 | 3/8 | 500 |
| WWSC1200-AA | 6 | 100 | 12 | 2 3/4 | 3/8 | 500 |
| WWSC1200-AA | 8 OD | 90 | 12 | 2 3/4 | 3/8 | 500 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

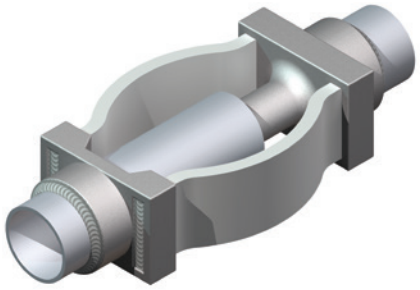
© 2010, AFL, all rights reserved. PP-3-00579, Revision 1, 2.24.2026
Specifications are subject to change without notice.



AFLglobal.com
1 (800) 890-8878

# TYPE XWWC-AA, XWWC-E-AA
# Bus Expansion Coupler

Expansion coupler for aluminum pipe connections. Provided with alignment guide for field welds.



## Material

Aluminum Alloy

## Notes

1. If alignment guide is not required, add "P" to the catalog number prefix. EX: XWWCP100-AA.
2. For Dimension "E", refer to pages 11-12 in the General Information section.

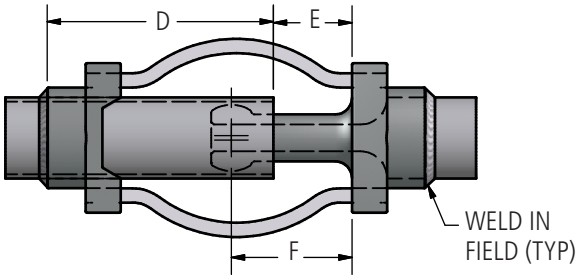



FIG. 1

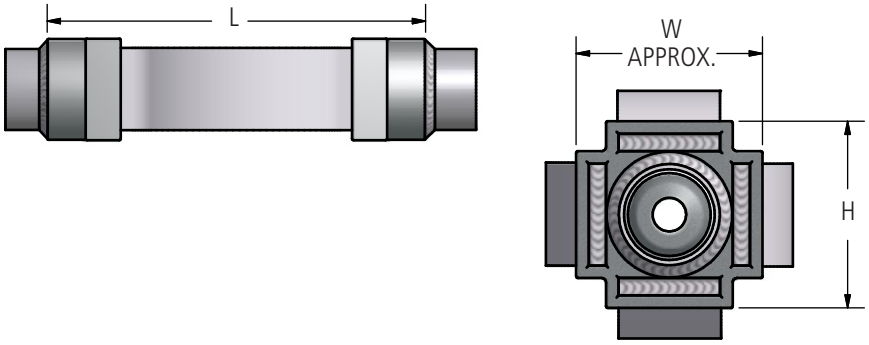



FIG. 2

## Ordering Information

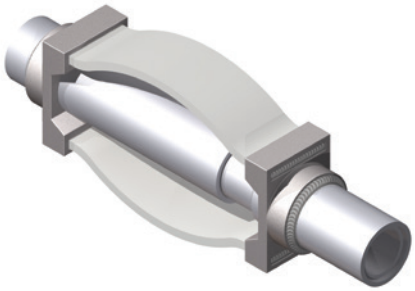
| Catalog Number | | SPS | Fig. No. | Dimensions in inches | | | | |
|---|---|---|---|---|---|---|---|---|
| SCH 40 | SCH 80 | | | D | F | H | L | W |
| XWWC100-AA | XWWC100E-AA | 1 | 1 | 5 3/4 | 3 1/4 | 3 | 8 9/16 | 1 3/4 |
| XWWC125-AA | XWWC125E-AA | 1 1/4 | 1 | 6 3/4 | 3 1/4 | 3 1/4 | 9 1/2 | 2 |
| XWWC150-AA | XWWC150E-AA | 1 1/2 | 1 | 7 1/4 | 3 1/2 | 3 1/2 | 10 5/16 | 2 1/4 |
| XWWC200-AA | XWWC200E-AA | 2 | 1 | 7 7/16 | 4 3/4 | 3 3/4 | 11 3/4 | 3 13/16 |
| XWWC250-AA | XWWC250E-AA | 2 1/2 | 1 | 8 7/16 | 4 3/4 | 5 5/16 | 12 13/16 | 3 13/16 |
| XWWC300-AA | XWWC300E-AA | 3 | 1 | 8 3/8 | 5 9/16 | 6 1/4 | 13 13/16 | 3 13/16 |
| XWWC350-AA | XWWC350E-AA | 3 1/2 | 1 | 10 | 4 3/4 | 6 13/16 | 14 7/8 | 3 13/16 |
| XWWC400-AA | XWWC400E-AA | 4 | 2 | 10 7/16 | 4 3/4 | 7 1/8 | 15 13/16 | 7 1/8 |
| XWWC500-AA | XWWC500E-AA | 5 | 1 | 11 1/8 | 6 5/8 | 9 1/8 | 17 1/8 | 6 1/16 |
| XWWC600-AA | XWWC600E-AA | 6 | 2 | 11 1/8 | 6 5/8 | 9 9/16 | 18 | 9 9/16 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2010, AFL, all rights reserved. PP-3-00599, Revision 4, 2.24.2026
Specifications are subject to change without notice.

# TYPE XWWCT-AA
# Expansion Coupler

Expansion coupler is designed to compensate for expansion and contraction in long bus runs. An extruded pipe is provided to be field welded in place and provides alignment of bus.

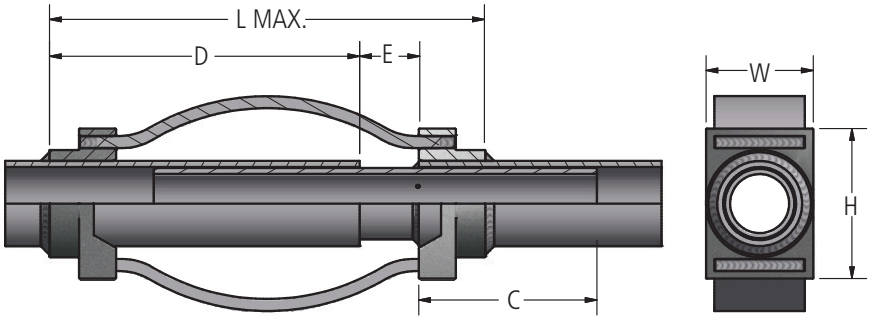


## Material

Aluminum Alloy

## Notes

1. For dimension "E", refer to pages 11-12 in the General Information section.




## Ordering Information

| Catalog Number | | SPS/EHPS | Dimensions in inches | | | | |
|---|---|---|---|---|---|---|---|
| SCH 40 | SCH 80 | | C | D | H | L | W |
| XWWCT200-AA | XWWCT200E-AA | 2 | 5 1/2 | 10 1/2 | 4 3/4 | 17 3/8 | 3 3/4 |
| XWWCT250-AA | XWWCT250E-AA | 2 1/2 | 6 | 10 1/2 | 5 1/16 | 17 1/2 | 3 5/8 |
| XWWCT300-AA | XWWCT300E-AA | 3 | 6 1/2 | 10 1/2 | 6 1/4 | 17 1/2 | 3 13/16 |
| XWWCT350-AA | XWWCT350E-AA | 3 1/2 | 7 | 10 1/2 | 6 7/8 | 17 1/2 | 3 11/16 |
| XWWCT400-AA | XWWCT400E-AA | 4 | 7 1/2 | 10 1/2 | 7 7/16 | 18 | 4 15/16 |
| XWWCT500-AA | XWWCT500E-AA | 5 | 8 | 10 1/2 | 9 1/8 | 18 | 6 1/16 |
| XWWCT600-AA | XWWCT600E-AA | 6 | 8 | 10 3/4 | 10 | 18 | 6 9/16 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

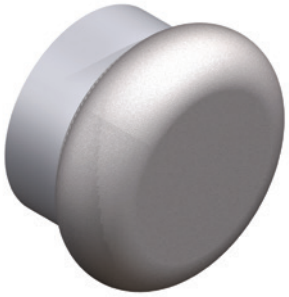
© 2011, AFL, all rights reserved. PP-3-00600, Revision 4, 2.24.2026
Specifications are subject to change without notice.

# DOSSERT®

## TYPE WCX-AA

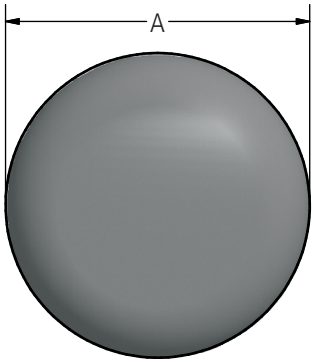
### Aluminum Welded, External Fit End Plug

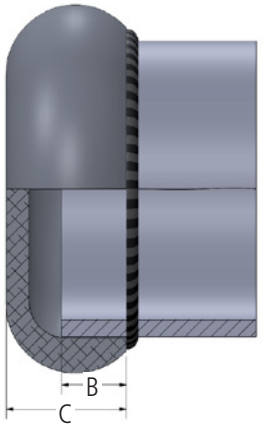
External fit end plug for aluminum pipe or tube. End bell is inserted onto pipe and field welded. Good for both Schedule 40 and 80 sizes.



### Material

Aluminum Alloy




## Ordering Information

| CATALOG NUMBER | SPS | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|
| | | A | B | C |
| WCX75-AA | 3/4 | 1 1/2 | 7/16 | 5/8 |
| WCX100-AA | 1 | 1 7/8 | 7/16 | 5/8 |
| WCX125-AA | 1 1/4 | 2 1/4 | 1/2 | 3/4 |
| WCX150-AA | 1 1/2 | 2 11/32 | 3/8 | 25/32 |
| WCX200-AA | 2 | 3 | 15/32 | 7/8 |
| WCX250-AA | 2 1/2 | 3 23/32 | 19/32 | 1 1/8 |
| WCX300-AA | 3 | 4 3/8 | 25/32 | 1 1/2 |
| WCX350-AA | 3 1/2 | 4 31/32 | 13/16 | 1 5/8 |
| WCX400-AA | 4 | 5 5/8 | 29/32 | 1 7/8 |
| WCX500-AA | 5 | 6 23/32 | 1 1/8 | 2 7/32 |
| WCX600-AA | 6 | 7 7/8 | 1 11/32 | 2 7/16 |



© 2023, AFL, all rights reserved. PP-3-00885, Revision, 0, 7.6.2023
Specifications are subject to change without notice.

# 230 kV Aluminum Welded End Bells

## DOSSERT®

## TYPE WCI-AA, WCI-E-AA

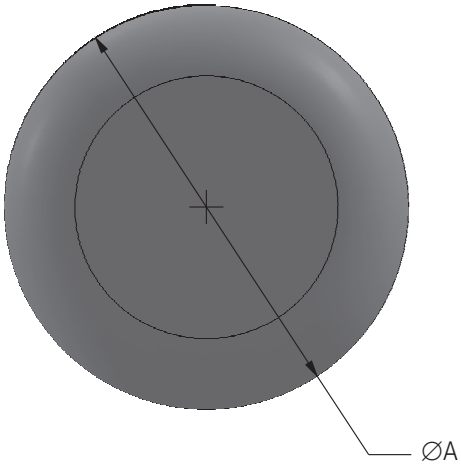
### Aluminum Welded, Internal Fit, Corona / End Bell

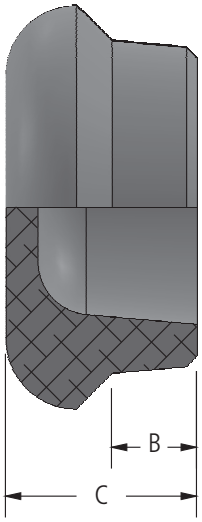


Internal fit corona or end bell for aluminum pipe or tube. Bell is inserted into pipe end and field welded.

### Material

Aluminum Alloy




## Ordering Information

| CATALOG NUMBER | | SPS | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|---|
| SCH 40 | SCH 80 | | A | B | C |
| WCI75-AA | WCI75E-AA | 3/4 | 1-1/16 | 7/16 | 7/8 |
| WCI100-AA | WCI100E-AA | 1 | 1-5/16 | 7/16 | 7/8 |
| WCI125-AA | WCI125E-AA | 1-1/4 | 1-21/32 | 1/2 | 1 |
| WCI150-AA | WCI150E-AA | 1-1/2 | 1-29/32 | 1/2 | 1-1/8 |
| WCI200-AA | WCI200E-AA | 2 | 2-3/8 | 1/2 | 1-1/8 |
| WCI250-AA | WCI250E-AA | 2-1/2 | 2-7/8 | 5/8 | 1-3/8 |
| WCI300-AA | WCI300E-AA | 3 | 3-1/2 | 1 | 2-1/8 |
| WCI350-AA | WCI350E-AA | 3-1/2 | 4 | 1 | 2 |
| WCI400-AA | WCI400E-AA | 4 | 4-1/2 | 1 | 2 |
| WCI500-AA | WCI500E-AA | 5 | 5-9/16 | 1-1/4 | 2-1/4 |
| WCI600-AA | WCI600E-AA | 6 | 6-5/8 | 1-1/4 | 2-1/4 |
| WCI600-5/8-AA | — | 6 | 6-5/8 | 1 | 2 |
| WCI800-AA | WCI800E-AA | 8 | 8-5/8 | 1 | 2-1/4 |



© 2010, AFL, all rights reserved. PP-3-00521, Revision 2, 10.17.2022
Specifications are subject to change without notice.

# DOSSERT®

## TYPE WP-AA, WP-E-AA

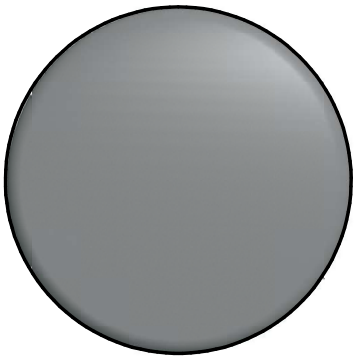
### Aluminum Welded, Internal Fit, End Plug

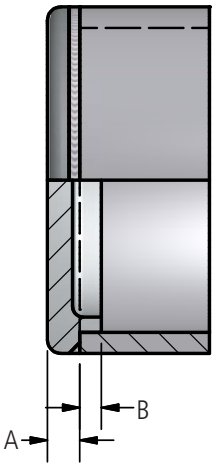


Internal fit end plug for aluminum pipe or tube. End plug is inserted into pipe and field welded.

### Material

Aluminum Alloy






## Ordering Information

| CATALOG NUMBER | | SPS | DIMENSIONS IN INCHES | |
|---|---|---|---|---|
| SCH 40 | SCH 80 | | A | B |
| WP150-AA | WP150E-AA | 1 1/2 | 1/4 | 3/16 |
| WP200-AA | WP200E-AA | 2 | 1/4 | 3/16 |
| WP250-AA | WP250E-AA | 2 1/2 | 1/4 | 3/16 |
| WP300-AA | WP300E-AA | 3 | 1/4 | 3/16 |
| WP350-AA | WP350E-AA | 3 1/2 | 1/4 | 3/16 |
| WP400-AA | WP400E-AA | 4 | 1/4 | 3/16 |
| WP500-AA | WP500E-AA | 5 | 3/8 | 1/4 |
| WP600-AA | WP600E-AA | 6 | 3/8 | 1/4 |
| WP800-AA | WP800E-AA | 8 | 3/8 | 1/4 |





© 2010, AFL, all rights reserved. PP-3-00529, Revision 0, 12.20.10
Specifications are subject to change without notice.

# DOSSERT®

## TYPE WEPI-AA, WEPI-30-AA, WEPI-45-AA, WEPI-60-AA

### Aluminum Welded Pipe Elbow

Welded elbows offer an economical method for field fabrication where angular turns are required. Designed for 230 kV service. Elbows are designed with chamfer to provide ease of welding.



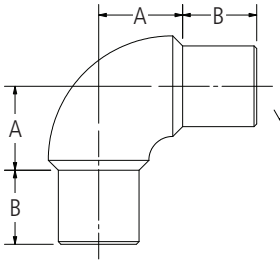
WEPI-AA

### Material

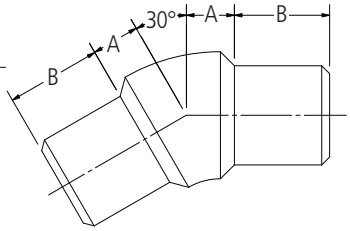
Aluminum Alloy

### Notes

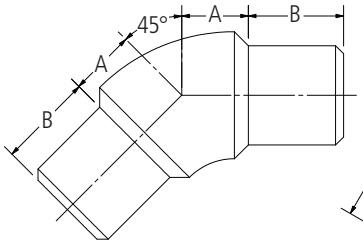
- For a 30°, add '-30'; for a 45°, add '-45'; and for a 60°, add '-60' to catalog number. Ex: WEPI75-45-AA
- For Schedule 80, add 'E' to pipe size. Ex: WEPI75E-AA



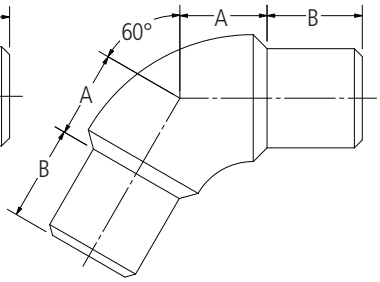

WEPI-AA




WEPI-30-AA




WEPI-45-AA




WEPI-60-AA

## Ordering Information

| S.P.S. | CATALOG NO. SCHEDULE 40 | ANGLE | DIMENSION IN INCHES A | DIMENSION IN INCHES B | E.H.P.S. | CATALOG NO. SCHEDULE 80 | ANGLE | DIMENSION IN INCHES A | DIMENSION IN INCHES B |
|---|---|---|---|---|---|---|---|---|---|
| 3/4 | WEPI75-AA | 90° | 1.11 | 0.75 | 3/4 | WEPI75E-AA | 90° | 1.00 | 0.75 |
| 3/4 | WEPI75-30-AA | 30° | 0.38 | 0.75 | — | — | — | — | — |
| 3/4 | WEPI75-45-AA | 45° | 0.52 | 0.75 | 3/4 | WEPI75E-45-AA | 45° | 0.56 | 0.75 |
| 3/4 | WEPI75-60-AA | 60° | 0.69 | 0.75 | — | — | — | — | — |
| 1 | WEPI100-AA | 90° | 1.19 | 0.75 | 1 | WEPI100E-AA | 90° | 1.23 | 0.75 |
| 1 | WEPI100-30-AA | 30° | 0.44 | 0.75 | 1 | WEPI100E-30-AA | 30° | 0.48 | 0.75 |
| 1 | WEPI100-45-AA | 45° | 0.58 | 0.75 | 1 | WEPI100E-45-AA | 45° | 0.63 | 0.75 |
| 1 | WEPI100-60-AA | 60° | 0.75 | 0.75 | 1 | WEPI100E-60-AA | 60° | 0.80 | 0.75 |
| 1 1/4 | WEPI125-AA | 90° | 1.38 | 1.00 | 1 1/4 | WEPI125E-AA | 90° | 1.42 | 1.00 |
| 1 1/4 | WEPI125-30-AA | 30° | 0.50 | 1.00 | 1 1/4 | WEPI125E-30-AA | 30° | 0.56 | 1.00 |
| 1 1/4 | WEPI125-45-AA | 45° | 0.68 | 1.00 | 1 1/4 | WEPI125E-45-AA | 45° | 0.73 | 1.00 |
| 1 1/4 | WEPI125-60-AA | 60° | 0.87 | 1.00 | 1 1/4 | WEPI125E-60-AA | 60° | 0.92 | 1.00 |
| 1 1/2 | WEPI150-AA | 90° | 1.57 | 1.00 | 1 1/2 | WEPI150E-AA | 90° | 1.63 | 1.00 |
| 1 1/2 | WEPI150-30-AA | 30° | 0.56 | 1.00 | 1 1/2 | WEPI150E-30-AA | 30° | 0.63 | 1.00 |
| 1 1/2 | WEPI150-45-AA | 45° | 0.76 | 1.00 | 1 1/2 | WEPI150E-45-AA | 45° | 0.83 | 1.00 |
| 1 1/2 | WEPI150-60-AA | 60° | 0.99 | 1.00 | 1 1/2 | WEPI150E-60-AA | 60° | 1.05 | 1.00 |



© 2010, AFL, all rights reserved. PP-3-00523, Revision 5, 11.3.2022
Specifications are subject to change without notice.

DOSSERT®

# TYPE WEPI-AA, WEPI-30-AA, WEPI-45-AA, WEPI-60-AA

**Aluminum Welded Pipe Elbow**

## Ordering Information

| S.P.S. | CATALOG NO. | ANGLE | DIMENSION IN INCHES | | E.H.P.S. | CATALOG NO. | ANGLE | DIMENSION IN INCHES | |
|---|---|---|---|---|---|---|---|---|---|
| | SCHEDULE 40 | | A | B | | SCHEDULE 80 | | A | B |
| 2 | WEPI200-AA | 90° | 1.92 | 1.75 | 2 | WEPI200E-AA | 90° | 1.98 | 1.75 |
| 2 | WEPI200-30-AA | 30° | 0.64 | 1.75 | 2 | WEPI200E-30-AA | 30° | 0.70 | 1.75 |
| 2 | WEPI200-45-AA | 45° | 0.89 | 1.75 | 2 | WEPI200E-45-AA | 45° | 0.96 | 1.75 |
| 2 | WEPI200-60-AA | 60° | 1.17 | 1.75 | 2 | WEPI200E-60-AA | 60° | 1.24 | 1.75 |
| 2 1/2 | WEPI250-AA | 90° | 2.51 | 1.75 | 2 1/2 | WEPI250E-AA | 90° | 2.54 | 1.75 |
| 2 1/2 | WEPI250-30-AA | 30° | 0.78 | 1.75 | 2 1/2 | WEPI250E-30-AA | 30° | 0.84 | 1.75 |
| 2 1/2 | WEPI250-45-AA | 45° | 1.08 | 1.75 | 2 1/2 | WEPI250E-45-AA | 45° | 1.14 | 1.75 |
| 2 1/2 | WEPI250-60-AA | 60° | 1.42 | 1.75 | 2 1/2 | WEPI250E-60-AA | 60° | 1.46 | 1.75 |
| 3 | WEPI300-AA | 90° | 2.52 | 1.75 | 3 | WEPI300E-AA | 90° | 2.56 | 1.75 |
| 3 | WEPI300-30-AA | 30° | 0.89 | 1.75 | 3 | WEPI300E-30-AA | 30° | 0.96 | 1.75 |
| 3 | WEPI300-45-AA | 45° | 1.23 | 1.75 | 3 | WEPI300E-45-AA | 45° | 1.31 | 1.75 |
| 3 | WEPI300-60-AA | 60° | 1.52 | 1.75 | 3 | WEPI300E-60-AA | 60° | 1.56 | 1.75 |
| 3 1/2 | WEPI350-AA | 90° | 2.87 | 1.75 | 3 1/2 | WEPI350E-AA | 90° | 2.96 | 1.75 |
| 3 1/2 | WEPI350-30-AA | 30° | 0.95 | 1.75 | 3 1/2 | WEPI350E-30-AA | 30° | 1.04 | 1.75 |
| 3 1/2 | WEPI350-45-AA | 45° | 1.33 | 1.75 | 3 1/2 | WEPI350E-45-AA | 45° | 1.42 | 1.75 |
| 3 1/2 | WEPI350-60-AA | 60° | 1.76 | 1.75 | 3 1/2 | WEPI350E-60-AA | 60° | 1.85 | 1.75 |
| 4 | WEPI400-AA | 90° | 3.02 | 2.06 | 4 | WEPI400E-AA | 90° | 3.08 | 2.06 |
| 4 | WEPI400-30-AA | 30° | 1.12 | 2.00 | 4 | WEPI400E-30-AA | 30° | 1.23 | 2.00 |
| 4 | WEPI400-45-AA | 45° | 1.60 | 2.00 | 4 | WEPI400E-45-AA | 45° | 1.70 | 2.00 |
| 4 | WEPI400-60-AA | 60° | 1.81 | 2.06 | 4 | WEPI400E-60-AA | 60° | 1.87 | 2.06 |
| 5 | WEPI500-AA | 90° | 3.82 | 2.44 | 5 | WEPI500E-AA | 90° | 3.94 | 2.44 |
| 5 | WEPI500-30-AA | 30° | 1.24 | 2.44 | 5 | WEPI500E-30-AA | 30° | 1.35 | 2.44 |
| 5 | WEPI500-45-AA | 45° | 1.75 | 2.44 | 5 | WEPI500E-45-AA | 45° | 1.87 | 2.44 |
| 5 | WEPI500-60-AA | 60° | 2.33 | 2.44 | 5 | WEPI500E-60-AA | 60° | 2.45 | 2.44 |
| 6 | WEPI600-AA | 90° | 4.31 | 2.75 | 6 | WEPI600E-AA | 90° | 4.38 | 2.75 |
| 6 | WEPI600-30-AA | 30° | 1.29 | 2.75 | 6 | WEPI600E-30-AA | 30° | 1.36 | 2.75 |
| 6 | WEPI600-45-AA | 45° | 1.89 | 2.75 | 6 | WEPI600E-45-AA | 45° | 1.97 | 2.75 |
| 6 | WEPI600-60-AA | 60° | 2.57 | 2.75 | 6 | WEPI600E-60-AA | 60° | 2.64 | 2.75 |
| 8 | WEPI800-AA | 90° | 5.64 | 1.00 | — | — | — | — | — |
| 8" O.D. | WEPI800R-AA | 90° | 5.50 | 2.00 | — | — | — | — | — |
| 8" O.D. | WEPI800R-30-AA | 30° | 1.88 | 2.00 | — | — | — | — | — |
| 8" O.D. | WEPI800R-60-AA | 60° | 3.38 | 1.00 | — | — | — | — | — |



© 2010, AFL, all rights reserved. PP-3-00523, Revision 5, 11.3.2022
Specifications are subject to change without notice.

# DOSSERT®

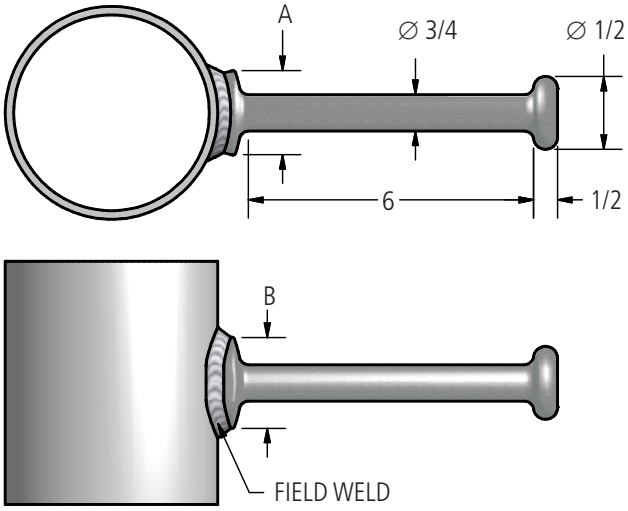
## TYPE WGPH-AA

**Welded Extensions Connector**



### Material

Aluminum Alloy




## Ordering Information

| CATALOG NUMBER | SPS RANGE | DIMENSIONS IN INCHES | |
|---|---|---|---|
| | | A | B |
| WGPH250-AA | 1 - 2 1/2 | 7/8 | 1 1/2 |
| WGPH600-AA | 3 - 6 | 1 1/2 | 2 |





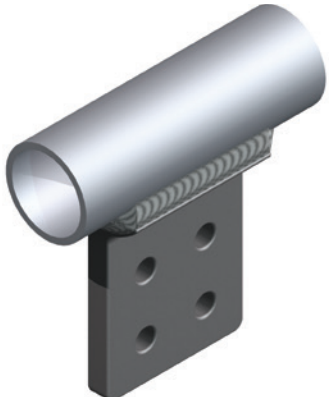
© 2010, AFL, all rights reserved. PP-3-00525, Revision 1, 9.16.13
Specifications are subject to change without notice.

# DOSSERT®

## TYPE WTC-N-AA

### Welded Tee to Flat

For welding a two, four, or six hole NEMA pad to a pipe.



### Material

Aluminum Alloy

### Notes

- For Undrilled holes on pad, add "-U" to catalog number. EX: WTC250-2NU-AA
- For Finish surface on both sides of pad, add "-F" to catalog number. EX: WTC250-2NF-AA.

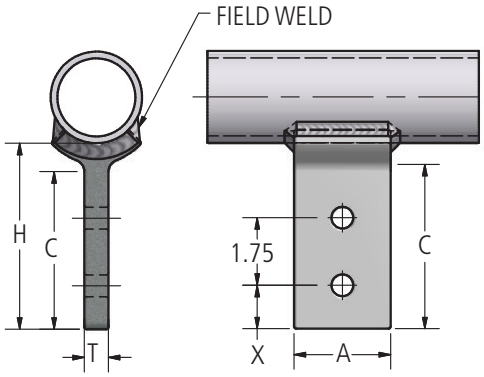



FIG. 1

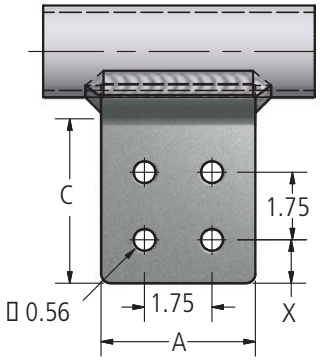



FIG. 2

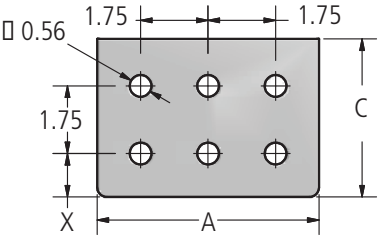



FIG. 3

## Ordering Information

| CATALOG NUMBER | SPS RANGE | FIG. NO. | DIMENSIONS IN INCHES | | | | |
|---|---|---|---|---|---|---|---|
| | | | A | C | H | T | X |
| WTC250-2N-AA | 1 THRU 2 1/2 | 1 | 2.00 | 3.25 | 3.88 | 0.50 | 0.63 |
| WTC250-4N-AA | 1 THRU 2 1/2 | 2 | 3.00 | 3.25 | 3.88 | 0.50 | 0.63 |
| WTC250-4N4-AA | 1 THRU 2 1/2 | 2 | 4.00 | 4.25 | 4.88 | 0.63 | 1.13 |
| WTC600-2N-AA | 3 THRU 6 | 1 | 2.00 | 3.25 | 4.00 | 0.75 | 0.63 |
| WTC 600-4N-AA | 3 THRU 6 | 2 | 3.00 | 3.25 | 4.00 | 0.75 | 0.63 |
| WTC 600-4N4-AA | 3 THRU 6 | 2 | 4.00 | 4.25 | 5.00 | 0.75 | 1.13 |
| WTC 600-6N4-AA | 3 THRU 6 | 3 | 6.00 | 4.00 | 5.00 | 0.75 | 1.13 |
| WTC800-4N4-AA | 8 | 2 | 4.00 | 4.25 | 5.00 | 0.75 | 1.13 |
| WTC800R-2N-AA | 8" OD | 1 | 2.00 | 4.25 | 5.11 | 0.75 | 0.75 |
| WTC800R-4N4-AA | 8" OD | 2 | 4.00 | 4.25 | 5.00 | 0.75 | 1.13 |





© 2010, AFL, all rights reserved. PP-3-00550, Revision 2, 1.30.19
Specifications are subject to change without notice.

# DOSSERT®

## TYPE WTF-AA

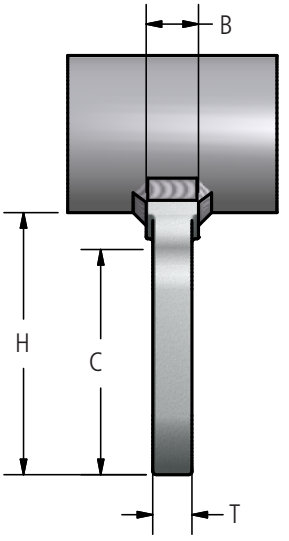
### Perpendicular Pipe Tap



Transverse tee taps are designed to provide terminal connections in span on tubular bus. Pads have contact surfaces on both sides. Pads conform to NEMA standards.

### Material

Aluminum Alloy



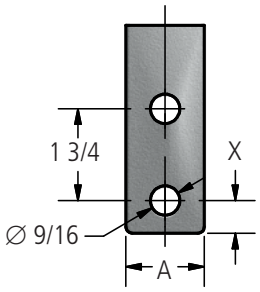




FIG. 1

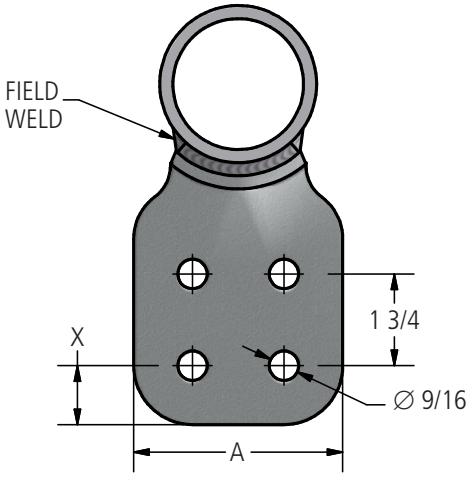



FIG. 2

## Ordering Information

| CATALOG NUMBER | SPS | | FIG. NO. | DIMENSIONS IN INCHES | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | MIN | MAX | | A | B | C | H | T | X |
| WTF250-2N-AA | 1 | 2-1/2 | 1 | 2 | 7/8 | 3-1/8 | 3-3/4 | 1/2 | 5/8 |
| WTF250-4N-AA | 1 | 2-1/2 | 2 | 3 | 7/8 | 3-1/8 | 3-3/4 | 1/2 | 5/8 |
| WTF250-4N4-AA | 1 | 2-1/2 | 2 | 4 | 7/8 | 4-1/8 | 4-3/4 | 1/2 | 1-1/8 |
| WTF600-2N-AA | 3 | 6 | 1 | 2 | 1 | 3-1/8 | 3-3/4 | 3/4 | 5/8 |
| WTF600-4N-AA | 3 | 6 | 2 | 3 | 1 | 3-1/8 | 3-3/4 | 3/4 | 5/8 |
| WTF600-4N4-AA | 3 | 6 | 2 | 4 | 1 | 4-1/8 | 4-3/4 | 3/4 | 1-1/8 |



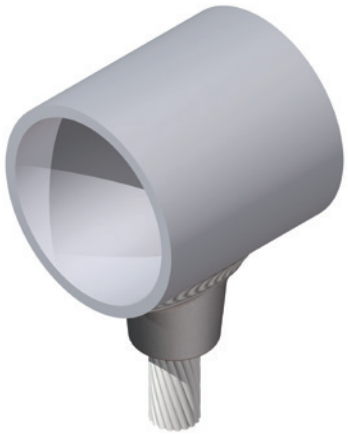


© 2010, AFL, all rights reserved. PP-3-00553, Revision 1, 9.16.13
Specifications are subject to change without notice.

# DOSSERT®

## TYPE 1000 SERIES

### Tube to Cable Tee Adapter



Tee adapter is designed with saddle to allow connector to be clamped to bus tube during field welding. Stranded conductor is puddle welded to connector, then connector is welded to bus tube. Not recommended for use on ACSR conductors due to difficulty welding steel core.

### Material

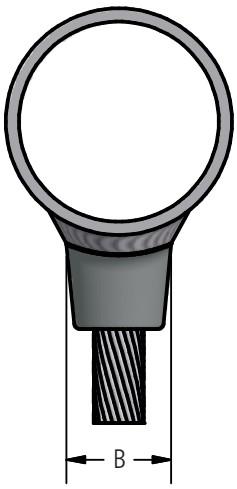
Aluminum Alloy

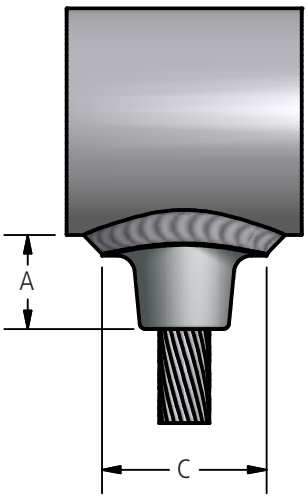
### Ordering Instructions

Step 1: Determine Catalog Number

Determine the catalog number from Table 2 based on the bus conductor and the diameter of the stranded conductor being used.

Example: A tee adapter for a run conductor of 3" schedule 40 and a stranded conductor diameter of 0.926", the complete catalog number is: 1006.100








© 2010, AFL, all rights reserved. PP-3-00148, Revision 0, 12.21.10
Specifications are subject to change without notice.

# DOSSERT®

## TYPE 1000 SERIES

**Tube to Cable Tee Adapter**

### Table 1 (Physical Characteristics of Series)

| CATALOG NUMBER | DIMENSIONS IN INCHES | | | NOMINAL WEIGHT LBS |
|---|---|---|---|---|
| | A | B | C | |
| 1000 | 0.75 | 0.81 | 1.75 | 0.06 |
| 1001 | 1.00 | 1.00 | 2.12 | 0.11 |
| 1002 | 1.00 | 1.00 | 2.12 | 0.11 |
| 1003 | 1.25 | 1.31 | 2.44 | 0.19 |
| 1004 | 1.25 | 1.31 | 2.44 | 0.19 |
| 1005 | 1.50 | 1.62 | 2.81 | 0.28 |
| 1006 | 1.50 | 1.62 | 2.81 | 0.28 |
| 1007 | 1.75 | 1.88 | 3.12 | 0.38 |
| 1008 | 1.75 | 1.88 | 3.12 | 0.38 |
| 1009 | 2.00 | 2.25 | 3.50 | 0.62 |
| 1010 | 2.00 | 2.25 | 3.50 | 0.62 |
| 1011 | 2.25 | 2.50 | 3.88 | 0.75 |
| 1012 | 2.25 | 2.50 | 3.88 | 0.75 |

### Table 2 (Catalog Numbers)

| STRANDED CONDUCTOR DIAMETER RANGE | CATALOG NUMBER | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | SPS | | | | | | | | | |
| INCHES | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 | 5 | 6 |
| 0.366 - 0.394 | 1000.40 | 1000.40 | 1000.40 | 1000.40 | 1000.40 | 1000.40 | 1000.40 | 1000.40 | 1000.40 | 1000.40 |
| 0.395 - 0.428 | 1000.44 | 1000.44 | 1000.44 | 1000.44 | 1000.44 | 1000.44 | 1000.44 | 1000.44 | 1000.44 | 1000.44 |
| 0.429 - 0.459 | 1000.47 | 1000.47 | 1000.47 | 1000.47 | 1000.47 | 1000.47 | 1000.47 | 1000.47 | 1000.47 | 1000.47 |
| 0.460 - 0.490 | 1001.50 | 1002.50 | 1002.50 | 1002.50 | 1002.50 | 1002.50 | 1002.50 | 1002.50 | 1002.50 | 1002.50 |
| 0.491 - 0.521 | 1001.53 | 1002.53 | 1002.53 | 1002.53 | 1002.53 | 1002.53 | 1002.53 | 1002.53 | 1002.53 | 1002.53 |
| 0.522 - 0.552 | 1001.56 | 1002.56 | 1002.56 | 1002.56 | 1002.56 | 1002.56 | 1002.56 | 1002.56 | 1002.56 | 1002.56 |
| 0.553 - 0.599 | 1001.61 | 1002.61 | 1002.61 | 1002.61 | 1002.61 | 1002.61 | 1002.61 | 1002.61 | 1002.61 | 1002.61 |
| 0.600 - 0.644 | 1001.66 | 1002.66 | 1002.66 | 1002.66 | 1002.66 | 1002.66 | 1002.66 | 1002.66 | 1002.66 | 1002.66 |
| 0.645 - 0.691 | 1003.70 | 1003.70 | 1003.70 | 1003.70 | 1004.70 | 1004.70 | 1004.70 | 1004.70 | 1004.70 | 1004.70 |
| 0.692 - 0.738 | 1003.75 | 1003.75 | 1003.75 | 1003.75 | 1004.75 | 1004.75 | 1004.75 | 1004.75 | 1004.75 | 1004.75 |
| 0.739 - 0.800 | 1003.81 | 1003.81 | 1003.81 | 1003.81 | 1004.81 | 1004.81 | 1004.81 | 1004.81 | 1004.81 | 1004.81 |
| 0.801 - 0.863 | 1003.88 | 1003.88 | 1003.88 | 1003.88 | 1004.88 | 1004.88 | 1004.88 | 1004.88 | 1004.88 | 1004.88 |
| 0.864 - 0.925 | - | - | 1005.94 | 1005.94 | 1005.94 | 1006.94 | 1006.94 | 1006.94 | 1006.94 | 1006.94 |
| 0.926 - 0.985 | - | - | 1005.100 | 1005.100 | 1005.100 | 1006.100 | 1006.100 | 1006.100 | 1006.100 | 1006.100 |
| 0.986 - 1.047 | - | - | 1005.106 | 1005.106 | 1005.106 | 1006.106 | 1006.106 | 1006.106 | 1006.106 | 1006.106 |
| 1.048 - 1.110 | - | - | 1005.112 | 1005.112 | 1005.112 | 1006.112 | 1006.112 | 1006.112 | 1006.112 | 1006.112 |
| 1.111 - 1.173 | - | - | - | 1007.119 | 1007.119 | 1008.119 | 1008.119 | 1008.119 | 1008.119 | 1008.119 |
| 1.174 - 1.235 | - | - | - | 1007.125 | 1007.125 | 1008.125 | 1008.125 | 1008.125 | 1008.125 | 1008.125 |
| 1.236 - 1.297 | - | - | - | 1007.131 | 1007.131 | 1008.131 | 1008.131 | 1008.131 | 1008.131 | 1008.131 |
| 1.298 - 1.360 | - | - | - | 1009.138 | 1009.138 | 1009.138 | 1010.138 | 1010.138 | 1010.138 | 1010.138 |
| 1.361 - 1.423 | - | - | - | 1009.144 | 1009.144 | 1009.144 | 1010.144 | 1010.144 | 1010.144 | 1010.144 |
| 1.424 - 1.485 | - | - | - | 1009.150 | 1009.150 | 1009.150 | 1010.150 | 1010.150 | 1010.150 | 1010.150 |
| 1.486 - 1.542 | - | - | - | 1009.156 | 1009.156 | 1009.156 | 1010.156 | 1010.156 | 1010.156 | 1010.156 |
| 1.543 - 1.605 | - | - | - | 1011.162 | 1011.162 | 1012.162 | 1012.162 | 1012.162 | 1012.162 | 1012.162 |
| 1.606 - 1.668 | - | - | - | 1011.169 | 1011.169 | 1012.169 | 1012.160 | 1012.169 | 1012.169 | 1012.169 |
| 1.669 - 1.730 | - | - | - | 1011.175 | 1011.175 | 1012.175 | 1012.175 | 1012.175 | 1012.175 | 1012.175 |
| 1.731 - 1.792 | - | - | - | 1011.181 | 1011.181 | 1012.181 | 1012.181 | 1012.181 | 1012.181 | 1012.181 |
| 1.793 - 1.855 | - | - | - | 1011.188 | 1011.188 | 1012.188 | 1012.188 | 1012.188 | 1012.188 | 1012.188 |





© 2010, AFL, all rights reserved. PP-3-00148, Revision 0, 12.21.10
Specifications are subject to change without notice.

# DOSSERT®

## TYPE WT-AA, WTA-75-AA, WTA-80-AA

**Welded Tee**



WT-AA

### Material

Aluminum Alloy

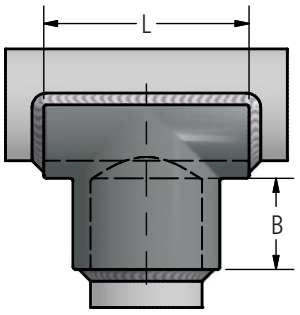
### Notes

1. For a welded tee at 75° for 1" to 1" pipe order: WTA100-100-75-AA.

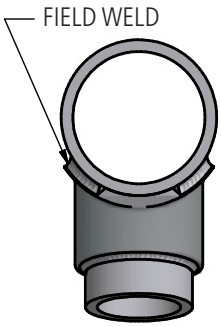
2. For a welded tee at 80° for 1" to 1" pipe order: WTA100-100-80-AA.

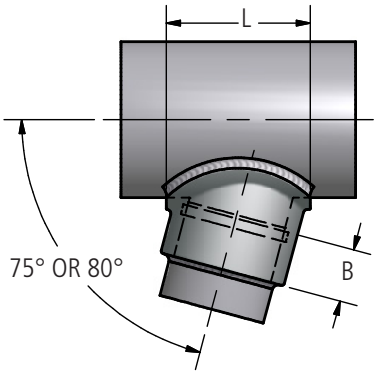


WTA-AA




WT-AA




WTA-AA

## Ordering Information

| CATALOG NUMBER | | | SPS | | DIMENSIONS IN INCHES | |
|---|---|---|---|---|---|---|
| 75 DEGREE | 80 DEGREE | 90 DEGREE | RUN | TAP | B | L |
| WTA75-75-75-AA | WTA75-75-80-AA | WT75-75-AA | 3/4 | 3/4 | 3/4 | 2 1/8 |
| WTA100-75-75-AA | WTA100-75-80-AA | WT100-75-AA | 1 | 3/4 | 3/4 | 2 1/8 |
| WTA100-100-75-AA | WTA100-100-80-AA | WT100-100-AA | 1 | 1 | 3/4 | 2 1/4 |
| WTA125-75-75-AA | WTA125-75-80-AA | WT125-75-AA | 1 1/4 | 3/4 | 3/4 | 2 1/8 |
| WTA125-100-75-AA | WTA125-100-80-AA | WT125-100-AA | 1 1/4 | 1 | 3/4 | 2 1/4 |
| WTA125-125-75-AA | WTA125-125-80-AA | WT125-125-AA | 1 1/4 | 1 1/4 | 1 | 2 1/2 |
| WTA125-250-75-AA | WTA125-250-80-AA | WT125-250-AA | 1 1/4 | 2 1/2 | 1 1/2 | 3 1/2 |
| WTA150-75-75-AA | WTA150-75-80-AA | WT150-75-AA | 1 1/2 | 3/4 | 3/4 | 2 1/8 |
| WTA150-100-75-AA | WTA150-100-80-AA | WT150-100-AA | 1 1/2 | 1 | 3/4 | 2 1/4 |
| WTA150-125-75-AA | WTA150-125-80-AA | WT150-125-AA | 1 1/2 | 1 1/4 | 1 | 2 1/2 |
| WTA150-150-75-AA | WTA150-150-80-AA | WT150-150-AA | 1 1/2 | 1 1/2 | 1 | 2 3/4 |
| WTA150-200-75-AA | WTA150-200-80-AA | WT150-200-AA | 1 1/2 | 1 1/2 | 1 1/4 | 3 11/16 |
| WTA200-75-75AA | WTA200-75-80-AA | WT200-75-AA | 2 | 3/4 | 3/4 | 2 1/8 |
| WTA200-100-75-AA | WTA200-100-80-AA | WT200-100-AA | 2 | 1 | 3/4 | 2 1/4 |
| WTA200-125-75-AA | WTA200-125-80-AA | WT200-125-AA | 2 | 1 1/4 | 1 | 2 1/2 |
| WTA200-150-75-AA | WTA200-150-80-AA | WT200-150-AA | 2 | 1 1/2 | 1 | 2 3/4 |
| WTA200-200-75-AA | WTA200-200-80-AA | WT200-200-AA | 2 | 2 | 1 1/4 | 3 1/4 |
| WTA200-300-75-AA | WTA200-300-80-AA | WT200-300-AA | 2 | 3 | 1 3/4 | 4 3/8 |
| WTA200-400-75-AA | WTA200-400-80-AA | WT200-400-AA | 2 | 4 | 2 1/4 | 4 7/8 |
| WTA250-75-75-AA | WTA250-75-80-AA | WT250-75-AA | 2 1/2 | 3/4 | 3/4 | 2 1/8 |
| WTA250-100-75-AA | WTA250-100-80-AA | WT250-100-AA | 2 1/2 | 1 | 3/4 | 2 1/4 |
| WTA250-125-75-AA | WTA250-125-80-AA | WT250-125-AA | 2 1/2 | 1 1/4 | 1 | 2 1/2 |





© 2011, AFL, all rights reserved. PP-3-00548, Revision 2, 9.16.13
Specifications are subject to change without notice.

# DOSSERT®

## TYPE WT-AA, WTA-75-AA, WTA-80-AA

**Welded Tee**

### Ordering Information

| CATALOG NUMBER | | | SPS | | DIMENSIONS IN INCHES | |
|---|---|---|---|---|---|---|
| 75 DEGREE | 80 DEGREE | 90 DEGREE | RUN | TAP | B | L |
| WTA250-150-75-AA | WTA250-150-80-AA | WT250-150-AA | 2 1/2 | 1 1/2 | 1 | 2 3/4 |
| WTA250-200-75-AA | WTA250-200-80-AA | WT250-200-AA | 2 1/2 | 2 | 1 1/4 | 3 1/4 |
| WTA250-250-75-AA | WTA250-250-80-AA | WT250-250-AA | 2 1/2 | 2 1/2 | 1 1/2 | 3 3/4 |
| WTA300-75-75-AA | WTA300-75-80-AA | WT300-75-AA | 3 | 3/4 | 3/4 | 2 1/8 |
| WTA300-100-75-AA | WTA300-100-80-AA | WT300-100-AA | 3 | 1 | 3/4 | 2 1/4 |
| WTA300-125-75-AA | WTA300-125-80-AA | WT300-125-AA | 3 | 1 1/4 | 1 | 2 1/2 |
| WTA300-150-75-AA | WTA300-150-80-AA | WT300-150-AA | 3 | 1 1/2 | 1 | 2 3/4 |
| WTA300-200-75-AA | WTA300-200-80-AA | WT300-200-AA | 3 | 2 | 1 1/4 | 3 1/4 |
| WTA300-250-75-AA | WTA300-250-80-AA | WT300-250 -AA | 3 | 2 1/2 | 1 1/2 | 3 3/4 |
| WTA300-300-75-AA | WTA300-300-80-AA | WT300-300 -AA | 3 | 3 | 1 3/4 | 4 3/8 |
| WTA300-350-75-AA | WTA300-350-80-AA | WT300-350-AA | 3 | 3 1/2 | 2 | 4 7/8 |
| WTA300-400-75-AA | WTA300-400-80-AA | WT300-400-AA | 3 | 4 | 2 1/4 | 5 3/8 |
| WTA300-500-75-AA | WTA300-500-80-AA | WT300-500-AA | 3 | 5 | 2 3/4 | 6 7/16 |
| WTA350-75-75-AA | WTA350-75-80-AA | WT350-75-AA | 3 1/2 | 3/4 | 3/4 | 2 1/8 |
| WTA350-100-75-AA | WTA350-100-80-AA | WT350-100-AA | 3 1/2 | 1 | 3/4 | 2 1/4 |
| WTA350-125-75-AA | WTA350-125-80-AA | WT350-125-AA | 3 1/2 | 1 1/4 | 1 | 2 1/2 |
| WTA350-150-75-AA | WTA350-150-80-AA | WT350-150-AA | 3 1/2 | 1 1/2 | 1 | 2 3/4 |
| WTA350-200-75-AA | WTA350-200-80-AA | WT350-200-AA | 3 1/2 | 2 | 1 1/4 | 3 1/4 |
| WTA350-250-75-AA | WTA350-250-80-AA | WT350-250-AA | 3 1/2 | 2 1/2 | 1 1/2 | 3 3/4 |
| WTA350-300-75-AA | WTA350-300-80-AA | WT350-300-AA | 3 1/2 | 3 | 1 3/4 | 4 3/8 |
| WTA350-350-75-AA | WTA350-350-80-AA | WT350-350-AA | 3 1/2 | 3 1/2 | 2 | 4 7/8 |
| WTA400-75-75-AA | WTA400-75-80-AA | WT400-75-AA | 4 | 3/4 | 3/4 | 2 1/8 |
| WTA400-100-75-AA | WTA400-100-80-AA | WT400-100-AA | 4 | 1 | 3/4 | 2 1/4 |
| WTA400-125-75-AA | WTA400-125-80-AA | WT400-125-AA | 4 | 1 1/4 | 1 | 2 1/2 |
| WTA400-150-75-AA | WTA400-150-80-AA | WT400-150-AA | 4 | 1 1/2 | 1 | 2 3/4 |
| WTA400-200-75-AA | WTA400-200-80-AA | WT400-200-AA | 4 | 2 | 1 1/4 | 3 1/4 |
| WTA400-250-75-AA | WTA400-250-80-AA | WT400-250-AA | 4 | 2 1/2 | 1 1/2 | 3 3/4 |
| WTA400-300-75-AA | WTA400-300-80-AA | WT400-300-AA | 4 | 3 | 1 3/4 | 4 3/8 |
| WTA400-350-75-AA | WTA400-350-80-AA | WT400-350-AA | 4 | 3 1/2 | 2 | 4 7/8 |
| WTA400-400-75-AA | WTA400-400-80-AA | WT400-400-AA | 4 | 4 | 2 1/4 | 5 3/8 |
| WTA500-100-75-AA | WTA500-100-80-AA | WT500-100-AA | 5 | 1 | 3/4 | 2 1/4 |
| WTA500-125-75-AA | WTA500-125-80-AA | WT500-125-AA | 5 | 1 1/4 | 1 | 2 1/2 |
| WTA500-150-75-AA | WTA500-150-80-AA | WT500-150-AA | 5 | 1 1/2 | 1 | 2 3/4 |
| WTA500-200-75-AA | WTA500-200-80-AA | WT500-200-AA | 5 | 2 | 1 1/4 | 3 1/4 |
| WTA500-250-75-AA | WTA500-250-80-AA | WT500-250-AA | 5 | 2 1/2 | 1 1/2 | 3 3/4 |
| WTA500-300-75-AA | WTA500-300-80-AA | WT500-300-AA | 5 | 3 | 1 3/4 | 4 3/8 |
| WTA500-350-75-AA | WTA500-350-80-AA | WT500-350-AA | 5 | 3 1/2 | 2 | 4 7/8 |
| WTA500-400-75-AA | WTA500-400-80-AA | WT500-400-AA | 5 | 4 | 2 1/4 | 5 3/8 |
| WTA500-500-75-AA | WTA500-500-80-AA | WT500-500-AA | 5 | 5 | 2 3/4 | 6 7/16 |
| WTA600-100-75-AA | WTA600-100-80-AA | WT600-100-AA | 6 | 1 | 3/4 | 2 1/4 |
| WTA600-125-75-AA | WTA600-125-80-AA | WT600-125-AA | 6 | 1 1/4 | 1 | 2 1/2 |
| WTA600-150-75-AA | WTA600-150-80-AA | WT600-150-AA | 6 | 1 1/2 | 1 | 2 3/4 |
| WTA600-200-75-AA | WTA600-200-80-AA | WT600-200-AA | 6 | 2 | 1 1/4 | 3 1/4 |
| WTA600-250-75-AA | WTA600-250-80-AA | WT600-250-AA | 6 | 2 1/2 | 1 1/2 | 3 3/4 |
| WTA600-300-75-AA | WTA600-300-80-AA | WT600-300-AA | 6 | 3 | 1 3/4 | 4 3/8 |
| WTA600-350-75-AA | WTA600-350-80-AA | WT600-350-AA | 6 | 3 1/2 | 2 | 4 7/8 |
| WTA600-400-75-AA | WTA600-400-80-AA | WT600-400-AA | 6 | 4 | 2 1/4 | 5 3/8 |
| WTA600-500-75-AA | WTA600-500-80-AA | WT600-500-AA | 6 | 5 | 2 3/4 | 6 7/16 |
| WTA600-600-75-AA | WTA600-600-80-AA | WT600-600-AA | 6 | 6 | 3 1/4 | 8 1/4 |
| WTA800R-400-75-AA | WTA800R-400-80-AA | WT800R-400-AA | 8" O.D. | 4 | 2 3/4 | 5 3/8 |
| WTA800R-500-75-AA | WTA800R-500-80-AA | WT800R-500-AA | 8" O.D. | 5 | 2 3/4 | 6 7/16 |
| WTA800R-800R-75-AA | WTA800R-800R-80-AA | WT800R-800R-AA | 8" O.D. | 8" O.D. | 2 3/4 | 10 |
| WTA800-500-75-AA | WTA800-500-80-AA | WT800-500-AA | 8" | 5 | 2 3/4 | 7 5/16 |



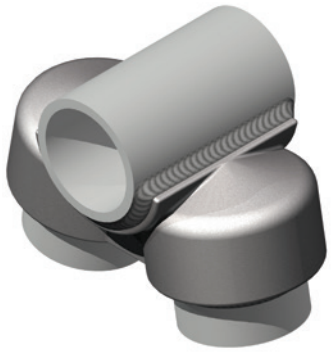


© 2011, AFL, all rights reserved. PP-3-00548, Revision 2, 9.16.13
Specifications are subject to change without notice.

# DOSSERT®

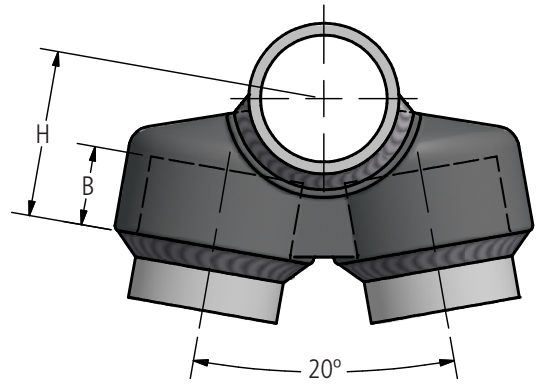
## TYPE WVBP-20-AA, WVBP-30-AA

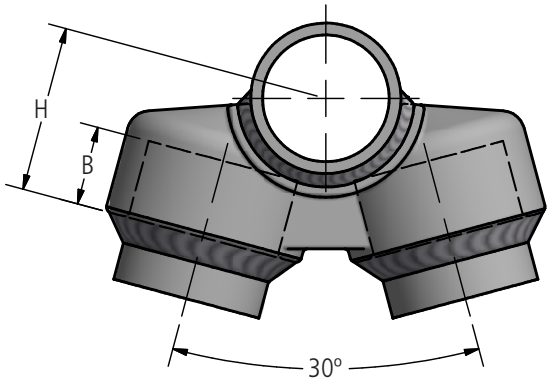
**Welded Vee Connector for Aluminum Tubing**

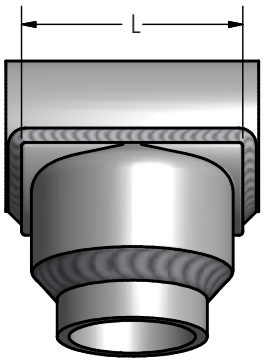


### Material

Aluminum Alloy




## Ordering Information

| CATALOG NUMBER | | SPS | | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|---|---|
| 20 DEGREE | 30 DEGREE | RUN | TAP | B | H | L |
| WVBP100-50-20-AA | WVBP100-50-30-AA | 1 | 1/2 | 1/2 | 1-1/8 | 1-7/8 |
| WVBP100-75-20-AA | WVBP100-75-30-AA | 1 | 3/4 | 3/4 | 1-5/8 | 2-1/8 |
| WVBP125-75-20-AA | WVBP125-75-30-AA | 1-1/4 | 3/4 | 3/4 | 1-3/4 | 2-1/8 |
| WVBP125-100-20-AA | WVBP125-100-30-AA | 1-1/4 | 1 | 3/4 | 1-3/4 | 2-1/4 |
| WVBP125-125-20-AA | WVBP125-125-30-AA | 1-1/4 | 1-1/4 | 1 | 2 | 2-5/8 |
| WVBP150-75-20-AA | WVBP150-75-30-AA | 1-1/2 | 3/4 | 3/4 | 1-7/8 | 2-1/8 |
| WVBP150-100-20-AA | WVBP150-100-30-AA | 1-1/2 | 1 | 3/4 | 1-7/8 | 2-1/4 |
| WVBP150-125-20-AA | WVBP150-125-30-AA | 1-1/2 | 1-1/4 | 1 | 2-1/8 | 2-5/8 |
| WVBP150-150-20-AA | WVBP150-150-30-AA | 1-1/2 | 1-1/2 | 1 | 2-3/8 | 2-7/8 |
| WVBP200-100-20-AA | WVBP200-100-30-AA | 2 | 1 | 3/4 | 2-1/8 | 2-1/4 |
| WVBP200-125-20-AA | WVBP200-125-30-AA | 2 | 1-1/4 | 1 | 2-3/8 | 2-5/8 |
| WVBP200-150-20-AA | WVBP200-150-30-AA | 2 | 1-1/2 | 1 | 2-3/8 | 2-7/8 |
| WVBP200-200-20-AA | WVBP200-200-30-AA | 2 | 2 | 1-1/4 | 2-5/8 | 3-1/2 |
| WVBP250-100-20-AA | WVBP250-100-30-AA | 2-1/2 | 1 | 3/4 | 2-3/8 | 2-1/4 |
| WVBP250-125-20-AA | WVBP250-125-30-AA | 2-1/2 | 1-1/4 | 1 | 2-5/8 | 2-5/8 |
| WVBP250-150-20-AA | WVBP250-150-30-AA | 2-1/2 | 1-1/2 | 1 | 2-5/8 | 2-7/8 |





© 2010, AFL, all rights reserved. PP-3-00573, Revision 0, 12.20.10
Specifications are subject to change without notice.

# DOSSERT®

## TYPE WVBP-20-AA, WVBP-30-AA

### Ordering Information

| CATALOG NUMBER | | SPS | | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|---|---|
| 20 DEGREE | 30 DEGREE | RUN | TAP | B | H | L |
| WVBP250-200-20-AA | WVBP250-200-30-AA | 2-1/2 | 2 | 1-1/4 | 2-7/8 | 3-1/2 |
| WVBP250-250-20-AA | WVBP250-250-30-AA | 2-1/2 | 2-1/2 | 1-1/2 | 3-1/8 | 4 |
| WVBP300-125-20-AA | WVBP300-125-30-AA | 3 | 1-1/4 | 1 | 2-15/16 | 2-5/8 |
| WVBP300-150-20-AA | WVBP300-150-30-AA | 3 | 1-1/2 | 1 | 2-15/16 | 2-7/8 |
| WVBP300-200-20-AA | WVBP300-200-30-AA | 3 | 2 | 1-1/4 | 3-3/16 | 3-1/2 |
| WVBP300-250-20-AA | WVBP300-250-30-AA | 3 | 2-1/2 | 1-1/2 | 3-7/16 | 4 |
| WVBP300-300-20-AA | WVBP300-300-30-AA | 3 | 3 | 1-3/4 | 3-11/16 | 4-5/8 |
| WVBP350-100-20-AA | WVBP350-100-30-AA | 3-1/2 | 1 | 3/4 | 2-5/8 | 2-1/4 |
| WVBP350-150-20-AA | WVBP350-150-30-AA | 3-1/2 | 1-1/2 | 1 | 3-1/4 | 2-7/8 |
| WVBP350-200-20-AA | WVBP350-200-30-AA | 3-1/2 | 2 | 1-1/4 | 3-1/2 | 3-1/2 |
| WVBP350-250-20-AA | WVBP350-250-30-AA | 3-1/2 | 2-1/2 | 1-1/2 | 3-3/4 | 4 |
| WVBP350-300-20-AA | WVBP350-300-30-AA | 3-1/2 | 3 | 1-3/4 | 4 | 4-5/8 |
| WVBP350-350-20-AA | WVBP350-350-30-AA | 3-1/2 | 3-1/2 | 2 | 4-1/4 | 5-1/8 |
| WVBP400-150-20-AA | WVBP400-150-30-AA | 4 | 1-1/2 | 1 | 3-1/2 | 2-7/8 |
| WVBP400-200-20-AA | WVBP400-200-30-AA | 4 | 2 | 1-1/4 | 3-3/4 | 3-1/2 |
| WVBP400-250-20-AA | WVBP400-250-30-AA | 4 | 2-1/2 | 1-1/2 | 4 | 4 |
| WVBP400-300-20-AA | WVBP400-300-30-AA | 4 | 3 | 1-3/4 | 4-1/4 | 4-5/8 |
| WVBP400-350-20-AA | WVBP400-350-30-AA | 4 | 3-1/2 | 2 | 4-1/2 | 5-1/8 |
| WVBP400-400-20-AA | WVBP400-400-30-AA | 4 | 4 | 2-1/4 | 4-3/4 | 5-7/8 |
| WVBP500-150-20-AA | WVBP500-150-30-AA | 5 | 1-1/2 | 1 | 4 | 2-7/8 |
| WVBP500-200-20-AA | WVBP500-200-30-AA | 5 | 2 | 1-1/4 | 4-1/4 | 3-1/2 |
| WVBP500-250-20-AA | WVBP500-250-30-AA | 5 | 2-1/2 | 1-1/2 | 4-1/2 | 4 |
| WVBP500-300-20-AA | WVBP500-300-30-AA | 5 | 3 | 1-3/4 | 4-3/4 | 4-5/8 |
| WVBP500-350-20-AA | WVBP500-350-30-AA | 5 | 3-1/2 | 2 | 5 | 5-1/8 |
| WVBP500-400-20-AA | WVBP500-400-30-AA | 5 | 4 | 2-1/4 | 5-1/4 | 5-7/8 |
| WVBP500-500-20-AA | WVBP500-500-30-AA | 5 | 5 | 2-3/4 | 5-3/4 | 6-15/16 |
| WVBP600-200-20-AA | WVBP600-200-30-AA | 6 | 2 | 1-1/4 | 4-13/16 | 3-1/2 |
| WVBP600-250-20-AA | WVBP600-250-30-AA | 6 | 2-1/2 | 1-1/2 | 5-1/16 | 4 |
| WVBP600-300-20-AA | WVBP600-300-30-AA | 6 | 3 | 1-3/4 | 5-5/16 | 4-5/8 |
| WVBP600-350-20-AA | WVBP600-350-30-AA | 6 | 3-1/2 | 2 | 5-9/16 | 5-1/8 |
| WVBP600-400-20-AA | WVBP600-400-30-AA | 6 | 4 | 2-1/4 | 5-13/16 | 5-7/8 |
| WVBP600-500-20-AA | WVBP600-500-30-AA | 6 | 5 | 2-3/4 | 6-5/16 | 6-15/16 |
| WVBP600-600-20-AA | WVBP600-600-30-AA | 6 | 6 | 3-1/4 | 6-13/16 | 8 |





© 2010, AFL, all rights reserved. PP-3-00573, Revision 0, 12.20.10
Specifications are subject to change without notice.

# TYPE 15950, 15960

## Flexible Rope Lay Assemblies



Aluminum flexible rope lay assemblies are designed to connect to aluminum or copper pads. Pads conform to NEMA standards. Lengths other than those shown can be supplied if required. Current ratings are based on 30°C rise over 40°C ambient.

### Material

Aluminum Alloy

### Ordering Instructions

1. Determine the catalog number by terminal arrangement and current rating required. Ex: For 90° terminals at 1660 amperes, the catalog number is: 15960.
2. For pad sizes and location of holes, note letter in catalog number and refer to page 3 of the Substation Accessories catalog.

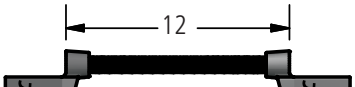



FIG. 1
STRAIGHT

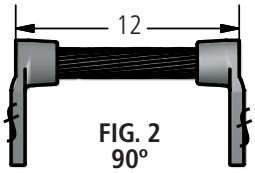



FIG. 2
90°

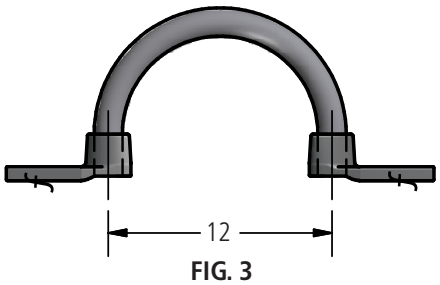



FIG. 3
LOOP

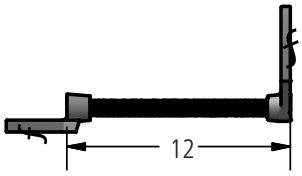
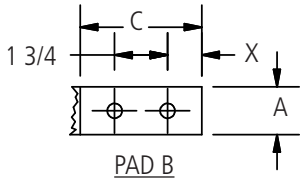
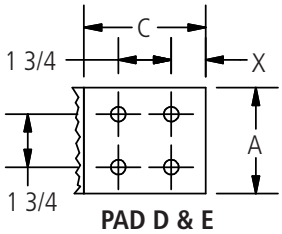


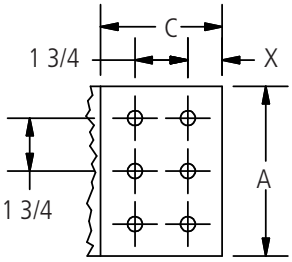

FIG. 4
STRAIGHT & 90°




PAD B




PAD D & E




PAD G

### Ordering Information

| Catalog Number | Fig. No. | Current Rating Amperes | Rope Lay Conductor | | Pad Size | Pad Thickness Inches | Nominal Weight lbs |
|---|---|---|---|---|---|---|---|
| | | | Size | No. | | | |
| 15950 | 1 | 600 | 636 KCMIL | 1 | B | 0.69 | 1.40 |
| 15951 | 2 | 600 | 636 KCMIL | 1 | B | 0.69 | 1.40 |
| 15952 | 3 | 600 | 636 KCMIL | 1 | B | 0.69 | 1.70 |
| 15953 | 1 | 996 | 636 KCMIL | 2 | D | 0.69 | 5.20 |
| 15954 | 2 | 996 | 636 KCMIL | 2 | D | 0.69 | 5.20 |
| 15955 | 3 | 996 | 636 KCMIL | 2 | D | 0.69 | 5.80 |
| 15956 | 1 | 1000 | 1272 KCMIL | 1 | D | 0.69 | 3.10 |
| 15957 | 2 | 1000 | 1272 KCMIL | 1 | D | 0.69 | 3.10 |
| 15958 | 3 | 1000 | 1272 KCMIL | 1 | D | 0.69 | 3.70 |
| 15959 | 1 | 1660 | 1272 KCMIL | 2 | E | 1.00 | 8.90 |
| 15960 | 2 | 1660 | 1272 KCMIL | 2 | E | 1.00 | 8.90 |
| 15961 | 3 | 1660 | 1272 KCMIL | 2 | E | 1.00 | 10.10 |
| 15962 | 1 | 2160 | 1272 KCMIL | 3 | G* | 0.75 | 12.90 |
| 15963 | 2 | 2160 | 1272 KCMIL | 3 | G* | 0.75 | 12.90 |
| 15964 | 3 | 2160 | 1272 KCMIL | 3 | G* | 0.75 | 14.70 |
| 15965 | 4 | 600 | 636 KCMIL | 1 | B | 0.69 | 1.40 |
| 15966 | 4 | 996 | 636 KCMIL | 2 | D | 0.69 | 5.20 |
| 15967 | 4 | 1000 | 1272 KCMIL | 1 | D | 0.69 | 3.10 |
| 15968 | 4 | 1660 | 1272 KCMIL | 2 | E | 1.00 | 8.90 |
| 15969 | 4 | 2160 | 1272 KCMIL | 3 | G* | 0.75 | 12.90 |

| Pad Dimensions | | | |
|---|---|---|---|
| Pad Size | Dimensions in Inches | | |
| | A | C | X |
| B | 1 3/4 | 3 1/2 | 5/8 |
| D | 3 | 3 1/2 | 5/8 |
| E | 4 | 4 1/2 | 1 1/8 |
| G | 6 | 4 1/2 | 1 1/4 |

* Pad width is 6.75".

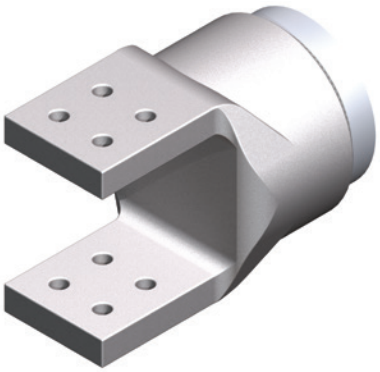
AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2011, AFL, all rights reserved. PP-3-00157, Revision 3, 1.9.2025
Specifications are subject to change without notice.

# TYPE 34300

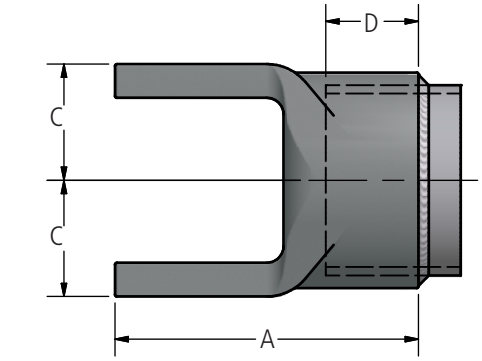
## Tube To Flat

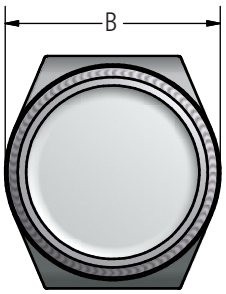
Double terminal is designed to connect to aluminum or copper pads.

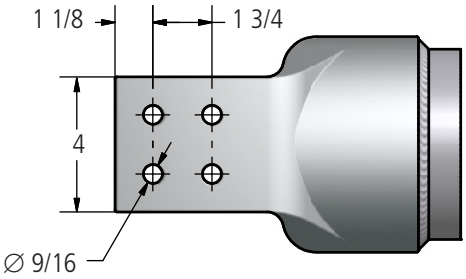


### Material

Aluminum Alloy




### Ordering Information

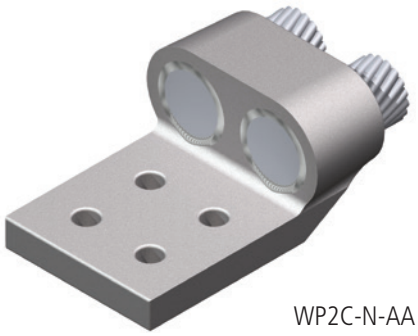
| Catalog Number | SPS | Dimensions in Inches | | | | Nominal Weight in lbs |
|---|---|---|---|---|---|---|
| | | A | B | C | D | |
| 34308E | 3 | 7.62 | 4.12 | 2.62 | 1.75 | 5.20 |
| 34309E | 3 1/2 | 8.19 | 4.69 | 2.94 | 2.00 | 5.90 |
| 34310E | 4 | 8.44 | 5.19 | 3.25 | 2.25 | 6.20 |
| 34312E | 5 | 9.00 | 6.38 | 3.44 | 2.75 | 8.30 |
| 34313E | 6 | 9.50 | 7.56 | 4.25 | 3.25 | 9.50 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2011, AFL, all rights reserved. PP-3-00179, Revision 1, 1.9.2025
Specifications are subject to change without notice.

# TYPE WP2C-N-AA, WP2CA-N-30-AA, WP2CA-N-45-AA, WP2CA-N-90-AA

**Welded Terminal to Two Cables**



WP2C-N-AA

## Material

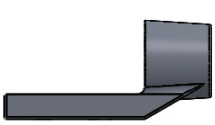
Aluminum Alloy

## Notes

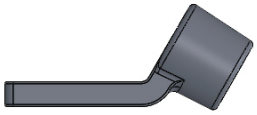
1. Add "U" for undrilled. Ex: WP2C35-2NU-AA
2. Add "F" for finished on both sides
3. For a 30° add suffix'-30', for a 45° add suffix'-45', and for a 90° add suffix '-90'. You must also add an 'A' after WP2C.
4. For a 350 MCM cable, with a 4 hole pad finished on both sides, with a 45° angle use WP2CA35-4NF-45-AA.



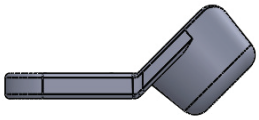
WP2CA-N-45-AA



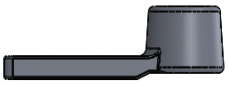
**WP2C-N-AA**



**WP2CA-N-30-AA**



**WP2CA-N-45-AA**



**WP2CA-N-90-AA**

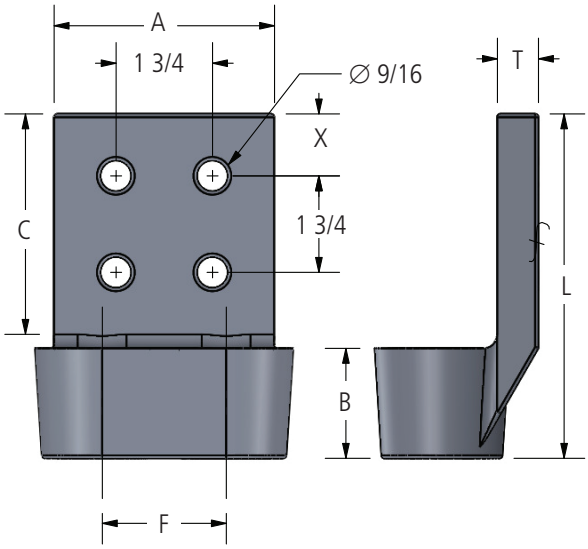



**FIG. 2**

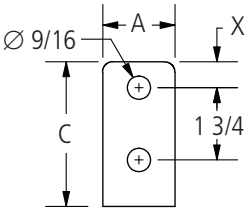



**FIG. 1**

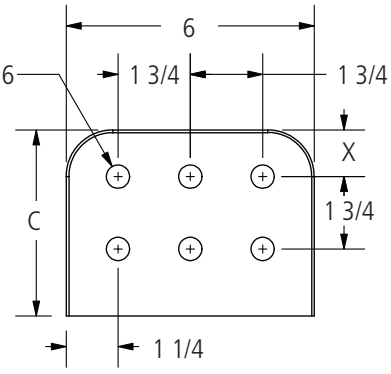



**FIG. 3**

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

*continued*

© 2011, AFL, all rights reserved. PP-3-00528, Revision 8, 1.9.2025
Specifications are subject to change without notice.

# TYPE WP2C-N-AA, WP2CA-N-30-AA, WP2CA-N-45-AA, WP2CA-N-90-AA

## Ordering Information

| Catalog Number | FIG. No. | Cable Range | | Dimensions in Inches | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Aluminum | ACSR | A | B | C | F | L | T | X |
| WP2C35-2N-AA | 1 | 336.4 (19), 350 (19,37,61) | 300 (26/7) | 1 5/8 | 1 1/4 | 3 | 1 1/4 | 4 1/2 | 3/8 | 5/8 |
| WP2C35-4N-AA | 2 | 336.4 (19), 350 (19,37,61) | 300 (26/7) | 3 | 1 1/4 | 3 | 1 1/4 | 4 1/2 | 3/8 | 5/8 |
| WP2C35-4N4-AA | 2 | 336.4 (19), 350 (19,37,61) | 300 (26/7) | 4 | 1 1/4 | 4 | 1 1/4 | 5 1/2 | 3/8 | 1 1/8 |
| WP2C40-2N-AA | 1 | 397.5 (19), 350 (19,37,61) | 336.4 (18/1,26/7,30/7) | 1 5/8 | 1 1/4 | 3 | 1 1/4 | 4 1/2 | 3/8 | 5/8 |
| WP2C40-4N-AA | 2 | 397.5 (19), 400 (19,37) | 336.4 (18/1,26/7,30/7) | 3 | 1 1/4 | 3 | 1 3/8 | 4 1/2 | 3/8 | 5/8 |
| WP2C48-2N-AA | 1 | 450 (19,37,61), 477 (19,37) | 397.5 (18/1,24/7,26/7,30/18) | 1 5/8 | 1 1/4 | 3 | 1 3/8 | 4 1/2 | 3/8 | 5/8 |
| WP2C48-4N-AA | 2 | 450 (19,37,61), 477 (19,37) | 397.5 (18/1,24/7,26/7,30/18) | 3 | 1 1/4 | 3 | 1 3/8 | 4 1/2 | 3/8 | 5/8 |
| WP2C55-2N-AA | 1 | 500 (19,37,61), 550 (61,91), 556.5 (19,37) | 477 (18/1,24/7,26/7,30/7) | 1 5/8 | 1 1/4 | 3 | 1 3/8 | 4 1/2 | 3/8 | 5/8 |
| WP2C55-4N-AA | 2 | 500 (19,37,61), 550 (61,91), 556.5 (19,37) | 477 (18/1,24/7,26/7,30/7) | 3 | 1 1/4 | 3 | 1 3/8 | 4 1/2 | 3/8 | 5/8 |
| WP2C55-4N4-AA | 2 | 500 (19,37,61), 550 (61,91), 556.5 (19,37) | 477 (18/1,24/7,26/7,30/7) | 4 | 1 1/4 | 4 | 1 3/8 | 5 1/2 | 3/8 | 1 1/8 |
| WP2C65-2N-AA | 1 | 600 (37,61,91), 636 (37), 650 (37,61,91) | 556.5 (18/1,24/7,26/7) | 1 5/8 | 1 1/2 | 3 | 1 5/8 | 4 3/4 | 1/2 | 5/8 |
| WP2C65-4N-AA | 2 | 600 (37,61,91), 636 (37), 650 (37,61,91) | 556.5 (18/1,24/7,26/7) | 3 | 1 1/2 | 3 | 1 5/8 | 4 3/4 | 1/2 | 5/8 |
| WP2C65-4N4-AA | 2 | 600 (37,61,91), 636 (37), 650 (37,61,91) | 556.5 (18/1,24/7,26/7) | 4 | 1 1/2 | 4 | 1 5/8 | 5 3/4 | 1/2 | 1 1/8 |
| WP2C71-2N-AA | 1 | 650 (37,61,91), 700 (37,61,91), 715.5 (37,61) | 636 (24/7,26/7), 605 (24/7,26/7,30/19) | 1 5/8 | 1 1/2 | 3 | 1 5/8 | 4 3/4 | 1/2 | 5/8 |
| WP2C71-4N-AA | 2 | 650 (37,61,91), 700 (37,61,91), 715.5 (37,61) | 636 (24/7,26/7), 605 (24/7,26/7,30/19) | 3 | 1 1/2 | 3 | 1 5/8 | 4 3/4 | 1/2 | 5/8 |
| WP2C71-4N4-AA | 2 | 650 (37,61,91), 700 (37,61,91), 715.5 (37,61) | 636 (24/7,26/7), 605 (24/7,26/7,30/19) | 4 | 1 1/2 | 4 | 1 5/8 | 5 3/4 | 1/2 | 1 1/8 |
| WP2C80-2N-AA | 1 | 750 (37,61,91), 795 (37,61), 800 (61,91) | 636 (30/19), 666.6 (24/7,26/7), 715.5 (27/4) | 1 3/4 | 1 1/2 | 3 | 1 5/8 | 4 3/4 | 1/2 | 5/8 |
| WP2C80-4N-AA | 2 | 750 (37,61,91), 795 (37,61), 800 (61,91) | 636 (30/19), 666.6 (24/7,26/7), 715.5 (27/4) | 3 | 1 1/2 | 3 | 1 5/8 | 4 3/4 | 1/2 | 5/8 |
| WP2C80-4N4-AA | 2 | 750 (37,61,91), 795 (37,61), 800 (61,91) | 636 (30/19), 666.6 (24/7,26/7), 715.5 (27/4) | 4 | 1 1/2 | 4 | 1 5/8 | 5 3/4 | 1/2 | 1 1/8 |
| WP2C90-2N-AA | 1 | 800 (61,91), 874.5 (37,61), 900 (37,61,91) | 715.5 (30/19), 795 36/1,45/7,24/7,54/7) | 2 | 1 1/2 | 3 | 1 5/8 | 4 3/4 | 1/2 | 5/8 |
| WP2C90-4N-AA | 2 | 800 (61,91), 874.5 (37,61), 900 (37,61,91) | 715.5 (30/19), 795 36/1,45/7,24/7,54/7) | 3 | 1 1/2 | 3 | 1 5/8 | 4 3/4 | 1/2 | 5/8 |
| WP2C90-4N4-AA | 2 | 800 (61,91), 874.5 (37,61), 900 (37,61,91) | 715.5 (30/19), 795 36/1,45/7,24/7,54/7) | 4 | 1 1/2 | 4 | 1 5/8 | 5 3/4 | 1/2 | 1 1/8 |
| WP2C95-2N-AA | 1 | 900 (37,61), 954 (37,61) | 795 (30/19), 874.5 (54/7), 900 (45/7,54/7) | 2 | 1 3/4 | 3 | 1 5/8 | 5 | 1/2 | 5/8 |
| WP2C95-4N-AA | 2 | 900 (37,61), 954 (37,61) | 795 (30/19), 874.5 (54/7), 900 (45/7,54/7) | 3 | 1 3/4 | 3 | 1 5/8 | 5 | 1/2 | 5/8 |
| WP2C95-4N4-AA | 2 | 900 (37,61), 954 (37,61) | 795 (30/19), 874.5 (54/7), 900 (45/7,54/7) | 4 | 1 3/4 | 4 | 1 5/8 | 6 | 11/16 | 1 1/8 |

*continued*

© 2011, AFL, all rights reserved. PP-3-00528, Revision 8, 1.9.2025
Specifications are subject to change without notice.

# TYPE WP2C-N-AA, WP2CA-N-30-AA, WP2CA-N-45-AA, WP2CA-N-90-AA

## Ordering Information

| Catalog Number | FIG. No. | Cable Range | | Dimensions in Inches | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Aluminum | ACSR | A | B | C | F | L | T | X |
| WP2C103-2N-AA | 1 | 954 (37/61), 1000 (37,61,91), 1033.5 (37,61) | 954,36/1,45/7,54/7) | 2 | 1 3/4 | 3 | 1 3/4 | 5 | 1/2 | 5/8 |
| WP2C103-4N-AA | 2 | 954 (37/61), 1000 (37,61,91), 1033.5 (37,61) | 954,36/1,45/7,54/7) | 3 | 1 3/4 | 3 | 1 3/4 | 5 | 1/2 | 5/8 |
| WP2C103-4N4-AA | 2 | 954 (37/61), 1000 (37,61,91), 1033.5 (37,61) | 954,36/1,45/7,54/7) | 4 | 1 3/4 | 4 | 1 7/8 | 6 | 1/2 | 1 1/8 |
| WP2C111-2N-AA | 1 | 1100 (91,127), 1113 (61) | 1033.5 (36/1,45/7,54/7) | 2 1/2 | 1 3/4 | 3 | 1 7/8 | 5 | 1/2 | 5/8 |
| WP2C111-4N-AA | 2 | 1100 (91,127), 1113 (61) | 1033.5 (36/1,45/7,54/7) | 3 | 1 3/4 | 3 | 1 7/8 | 5 | 1/2 | 5/8 |
| WP2C111-4N4-AA | 2 | 1100 (91,127), 1113 (61) | 1033.5 (36/1,45/7,54/7) | 4 | 1 3/4 | 4 | 1 5/8 | 6 | 11/16 | 1 1/8 |
| WP2C127R-4N-AA | 2 | 1272MCM ROPELAY | NA | 3 | 2 | 3 | 2 1/4 | 5 1/2 | 3/4 | 5/8 |
| WP2C127R-4N4-AA | 2 | 1272MCM ROPELAY | NA | 4 | 2 | 4 | 2 1/4 | 6 1/4 | 3/4 | 1 1/8 |
| WP2C135-2N-AA | 1 | 1192.5 (61), 1200 (91,127), 1250 (91,127), 1272 (61), 1300 (91,127), 1351.5 (61) | 1113 (45/7,54/19), 1192.5 (45/7,54/19) | 2 1/2 | 2 | 3 | 2 1/4 | 5 1/4 | 5/8 | 5/8 |
| WP2C135-4N-AA | 2 | 1192.5 (61), 1200 (91,127), 1250 (91,127), 1272 (61), 1300 (91,127), 1351.5 (61) | 1113 (45/7,54/19), 1192.5 (45/7,54/19) | 3 | 2 | 3 | 2 1/4 | 5 1/4 | 5/8 | 5/8 |
| WP2C135-4N4-AA | 2 | 1192.5 (61), 1200 (91,127), 1250 (91,127), 1272 (61), 1300 (91,127), 1351.5 (61) | 1113 (45/7,54/19), 1192.5 (45/7,54/19) | 4 | 2 | 4 | 2 1/4 | 6 1/4 | 5/8 | 1 1/8 |
| WP2C151-2N-AA | 2 | 1400 (91,127), 1431 (61), 1500 (91,127), 1510.5 (61) | 1272 (45/7,54/19), 1351.5 (45/7,54/19) | 3 | 2 | 3 | 2 1/4 | 5 1/4 | 3/4 | 5/8 |
| WP2C151-4N-AA | 2 | 1400 (91,127), 1431 (61), 1500 (91,127), 1510.5 (61) | 1272 (45/7,54/19), 1351.5 (45/7,54/19) | 3 | 2 | 3 | 2 1/4 | 5 3/4 | 3/4 | 5/8 |
| WP2C151-4N4-AA | 2 | 1400 (91,127), 1431 (61), 1500 (91,127), 1510.5 (61) | 1272 (45/7,54/19), 1351.5 (45/7,54/19) | 4 | 2 | 4 | 2 1/4 | 6 1/4 | 3/4 | 1 1/8 |
| WP2C151-6N4-AA | 3 | 1400 (91,127), 1431 (61), 1500 (91,127), 1510.5 (61) | 1272 (45/7,54/19), 1351.5 (45/7,54/19) | 6 | 2 | 4 | 2 1/4 | 6 1/4 | 3/4 | 1 1/8 |
| WP2C170-2N-AA | 2 | 1590 (61), 1600 (127,169), 1700 (127,169) | 1431 (45/7,54/19), 1510.5 (45/7,54/19) | 3 | 2 | 3 | 2 1/4 | 5 1/4 | 3/4 | 5/8 |
| WP2C170-4N-AA | 2 | 1590 (61), 1600 (127,169), 1700 (127,169) | 1431 (45/7,54/19), 1510.5 (45/7,54/19) | 3 | 2 1/4 | 3 1/2 | 2 1/4 | 6 | 3/4 | 5/8 |
| WP2C170-4N4-AA | 2 | 1590 (61), 1600 (127,169), 1700 (127,169) | 1431 (45/7,54/19), 1510.5 (45/7,54/19) | 4 | 2 1/4 | 4 | 2 1/4 | 6 1/2 | 3/4 | 1 1/8 |
| WP2C170-6N4-AA | 3 | 1590 (61), 1600 (127,169), 1700 (127,169) | 1431 (45/7,54/19), 1510.5 (45/7,54/19) | 6 | 2 1/4 | 4 | 2 1/4 | 6 1/2 | 3/4 | 1 1/8 |
| WP2C190-4N-AA | 2 | 1750 (127,169), 1800 (127,169), 1900 (127,169) | 1590 (45/7,54/19), 1780 (84/19) | 3 | 2 1/4 | 3 | 2 1/4 | 5 1/2 | 3/4 | 5/8 |
| WP2C190-4N4-AA | 2 | 1750 (127,169), 1800 (127,169), 1900 (127,169) | 1590 (45/7,54/19), 1780 (84/19) | 4 | 2 1/4 | 4 | 2 1/4 | 6 1/2 | 3/4 | 1 1/8 |
| WP2C190-6NA-AA | 3 | 1750 (127,169), 1800 (127,169), 1900 (127,169) | 1590 (45/7,54/19), 1780 (84/19) | 6 | 2 1/4 | 4 | 2 1/4 | 6 1/2 | 3/4 | 1 1/8 |
| WP2C225-4N-AA | 2 | 2000 (91,127,169), 2250 (91) | 1780 (84/19), 2167 (72/7) | 3 | 2 1/4 | 3 | 2 1/2 | 5 1/2 | 3/4 | 5/8 |
| WP2C225-4N4-AA | 2 | 2000 (91,127,169), 2250 (91) | 1780 (84/19), 2167 (72/7) | 4 | 2 1/4 | 4 | 2 1/2 | 6 1/2 | 3/4 | 1 1/8 |
| WP2C225-6N4-AA | 3 | 2000 (91,127,169), 2250 (91) | 1780 (84/19), 2167 (72/7) | 6 | 2 1/4 | 4 | 2 1/2 | 6 1/2 | 3/4 | 1 1/8 |
| WP2C250-4N-AA | 2 | 2500 (91,127,169) | 2156 (84/19) | 3 | 2 1/4 | 3 | 2 3/4 | 5 1/2 | 3/4 | 5/8 |
| WP2C250-4N4-AA | 2 | 2500 (91,127,169) | 2156 (84/19) | 4 | 2 1/4 | 4 | 2 3/4 | 6 1/2 | 3/4 | 1 1/8 |
| WP2C250-6N4-AA | 3 | 2500 (91,127,169) | 2156 (84/19) | 6 | 2 1/4 | 4 | 2 3/4 | 6 1/2 | 3/4 | 1 1/8 |
| WP2C300-4N-AA | 2 | 2750 (91), 3000 (127,169) | 2870 ACSR | 3 | 2 1/4 | 3 | 2 3/4 | 5 1/2 | 7/8 | 5/8 |
| WP2C300-4N4-AA | 2 | 2750 (91), 3000 (127,169) | 2870 ACSR | 4 | 2 1/4 | 4 | 2 3/4 | 6 1/2 | 7/8 | 1 1/8 |

© 2011, AFL, all rights reserved. PP-3-00528, Revision 8, 1.9.2025
Specifications are subject to change without notice.

# TYPE WPCA-N-30-AA, WPCA-N-45-AA, WPCA-N-90-AA

## Offset Welded Terminal to Cable



WPC-N-AA



WPCA-N-90-AA

### Material

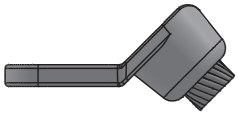
Aluminum Alloy

### Notes

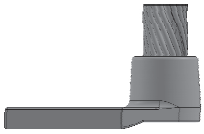
- Add "U" for undrilled
- Add "F" for finished on both sides
- For a 3", 4-hole NEMA pad at 45° angle to 450 MCM cable, order: WPCA48-4N-45-AA
- For a 3", 4-hole NEMA pad at 90° angle finished on both sides to 450 MCM cable, order: WPCA48-4NF-90-AA



**WPC-N-AA**



**WPCA-N-45-AA**



**WPCA-N-90-AA**



**WPCA-N-30-AA**

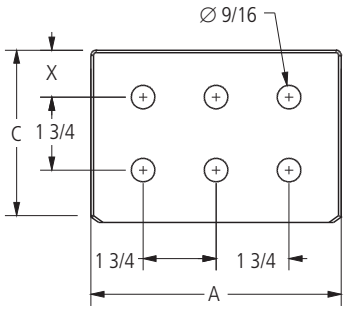



**FIG. 3**

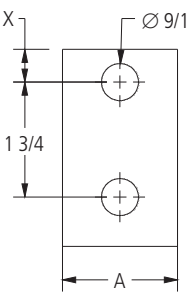



**FIG. 1**

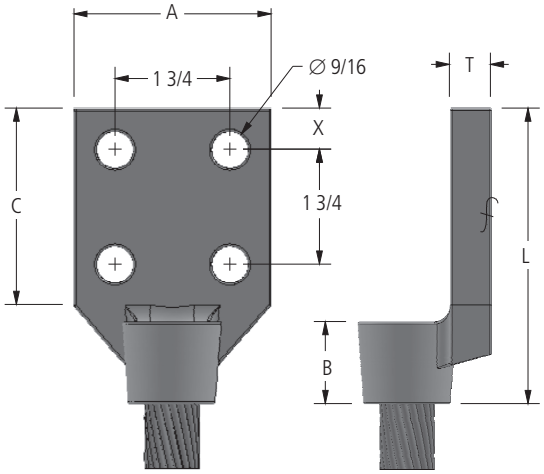



**FIG. 2**

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

*continued*

© 2011, AFL, all rights reserved. PP-3-00535, Revision 11, 1.9.2025
Specifications are subject to change without notice.

# TYPE WPC-N-AA, WPCA-N-30-AA, WPCA-N-45-AA, WPCA-N-90-AA

## Ordering Information

| Catalog No. | FIG. No. | Cable Range | | Dimensions in Inches | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Aluminum | ACSR | A | B | C | T | L | X |
| WPC10-2N-AA | 1 | 1/0 (7,19) | 1 (6/1), 1/0 (6/1) | 1 1/4 | 3/4 | 3 | 5/16 | 4 | 5/8 |
| WPC10-4N-AA | 2 | 1/0 (7,19) | 1 (6/1), 1/0 (6/1) | 3 | 3/4 | 3 | 5/16 | 4 | 5/8 |
| WPC13-2N-AA | 1 | 2/0 (7,19,37) | 2/0, (6/1) | 1 1/4 | 3/4 | 3 | 5/16 | 4 | 5/8 |
| WPC17-2N-AA | 1 | 3/0 (7,19,37) | 101.8 (12/7), 3/0 (6/1) | 1 1/4 | 3/4 | 3 | 5/16 | 4 | 5/8 |
| WPC21-2N-AA | 1 | 4/0 (7,19,37), 246.9 (7) | 134.6 (12/7), 4/0 (6/1) | 1 3/4 | 1 | 3 | 3/8 | 4 1/4 | 5/8 |
| WPC21-4N-AA | 2 | 4/0 (7,19,37), 246.9 (7) | 134.6 (12/7), 4/0 (6/1) | 3 | 1 | 3 | 5/16 | 4 1/4 | 5/8 |
| WPC21-4N4-AA | 2 | 4/0 (7,19,37), 246.9 (7) | 134.6 (12/7), 4/0 (6/1) | 4 | 1 | 4 | 5/16 | 5 1/4 | 1 1/8 |
| WPC31-2N-AA | 1 | 250 (7,19,97,61)266.8 (7,19), 300 (19,37,61), 312.8 (19) | 159 (12/7), 226.8 (19/1,26/7) | 1 3/4 | 1 | 3 | 3/8 | 4 1/4 | 5/8 |
| WPC31-4N-AA | 2 | 250 (7,19,97,61)266.8 (7,19), 300 (19,37,61), 312.8 (19) | 159 (12/7), 226.8 (19/1,26/7) | 3 | 1 | 3 | 3/8 | 4 1/4 | 5/8 |
| WPC31-4N4-AA | 2 | 250 (7,19,97,61)266.8 (7,19), 300 (19,37,61), 312.8 (19) | 159 (12/7), 226.8 (19/1,26/7) | 4 | 1 1/4 | 4 | 3/8 | 5 1/2 | 1 1/8 |
| WPC35-2N-AA | 1 | 336.4 (19), 350 (19,37,61) | 300 (26/7) | 1 3/4 | 1 | 3 | 3/8 | 4 1/4 | 5/8 |
| WPC35-4N-AA | 2 | 336.4 (19), 350 (19,37,61) | 300 (26/7) | 3 | 1 | 3 | 3/8 | 4 1/4 | 5/8 |
| WPC35-4N4-AA | 2 | 336.4 (19), 350 (19,37,61) | 300 (26/7) | 4 | 1 1/4 | 4 | 3/8 | 5 1/2 | 1 1/8 |
| WPC40-2N-AA | 1 | 397.5 (19), 400 (37,61) | 336.4 (18/1,26/7,30/7) | 1 3/4 | 1 1/4 | 3 | 3/8 | 4 1/2 | 5/8 |
| WPC40-4N-AA | 2 | 397.5 (19), 400 (37,61) | 336.4 (18/1,26/7,30/7) | 3 | 1 1/4 | 3 | 3/8 | 4 1/2 | 5/8 |
| WPC40-4N4-AA | 2 | 397.5 (19), 400 (37,61) | 336.4 (18/1,26/7,30/7) | 4 | 1 1/4 | 4 | 3/8 | 5 1/2 | 1 1/8 |
| WPC48-2N-AA | 1 | 450 (19,37,61), 477 (19,37) | 397.5 (18/1,24/7,26/7,30/7) | 1 5/8 | 1 1/4 | 3 | 3/8 | 4 1/2 | 5/8 |
| WPC48-4N-AA | 2 | 450 (19,37,61), 477 (19,37) | 397.5 (18/1,24/7,26/7,30/7) | 3 | 1 1/4 | 3 | 3/8 | 4 1/2 | 5/8 |
| WPC48-4N4-AA | 2 | 450 (19,37,61), 477 (19,37) | 397.5 (18/1,24/7,26/7,30/7) | 4 | 1 1/4 | 4 1/2 | 3/8 | 6 3/16 | 1 1/8 |
| WPC55-2N-AA | 1 | 500 (19,37,61), 550 (61,91), 556.5 (19,37) | 477 (18/1,24/7,26/7,30/7) | 1 5/8 | 1 1/4 | 3 | 3/8 | 4 1/2 | 5/8 |
| WPC55-4N-AA | 2 | 500 (19,37,61), 550 (61,91), 556.5 (19,37) | 477 (18/1,24/7,26/7,30/7) | 3 | 1 1/4 | 3 | 3/8 | 4 1/2 | 5/8 |
| WPC55-4N4-AA | 2 | 500 (19,37,61), 550 (61,91), 556.5 (19,37) | 477 (18/1,24/7,26/7,30/7) | 4 | 1 1/4 | 4 | 3/8 | 5 1/2 | 1 1/8 |
| WPC65-2N-AA | 1 | 600 (37,61,91), 636 (37), 650 (37,61,91) | 556.5 (18/1,24/7,26/7) | 1 3/4 | 1 1/2 | 3 | 1/2 | 4 3/4 | 5/8 |
| WPC65-4N-AA | 2 | 600 (37,61,91), 636 (37), 650 (37,61,91) | 556.5 (18/1,24/7,26/7) | 3 | 1 1/2 | 3 | 1/2 | 4 3/4 | 5/8 |
| WPC65-4N4-AA | 2 | 600 (37,61,91), 636 (37), 650 (37,61,91) | 556.5 (18/1,24/7,26/7) | 4 | 1 1/2 | 4 | 1/2 | 5 3/4 | 1 1/8 |
| WPC71-2N-AA | 1 | 650 (37,61,91), 700 (37,61,91), 715.5 (37,61) | 636 (24/7,26/7), 605 (24/7,26/7,30/19) | 1 3/4 | 1 1/2 | 3 | 1/2 | 4 3/4 | 5/8 |
| WPC71-4N-AA | 2 | 650 (37,61,91), 700 (37,61,91), 715.5 (37,61) | 636 (24/7,26/7), 605 (24/7,26/7,30/19) | 3 | 1 1/2 | 3 | 1/2 | 4 3/4 | 5/8 |
| WPC71-4N4-AA | 2 | 650 (37,61,91), 700 (37,61,91), 715.5 (37,61) | 636 (24/7,26/7), 605 (24/7,26/7,30/19) | 4 | 1 1/2 | 4 | 1/2 | 5 3/4 | 1 1/8 |
| WPC79-2N-AA | 1 | 795 MCM | — | 1 3/4 | 1 1/2 | 3 | 5/8 | 4 3/4 | 5/8 |
| WPC79-3N-AA | 2 | 795 MCM | — | 3 | 1 1/2 | 3 | 5/8 | 4 3/4 | 5/8 |
| WPC80-2N-AA | 1 | 750 (37,61,91), 795 (37,61), 800 (61,91) | 636 (30/19), 666.6 (24/7,26/7), 715.5 (24/7) | 1 3/4 | 1 1/2 | 3 | 1/2 | 4 3/4 | 5/8 |
| WPC80-2N3-AA | 1 | 750 (37,61,91), 795 (37,61), 800 (61,91) | 636 (30/19), 666.6 (24/7,26/7), 715.5 (24/7) | 2 | 1 1/2 | 3 | 1/2 | 4 3/4 | 5/8 |
| WPC80-4N-AA | 2 | 750 (37,61,91), 795 (37,61), 800 (61,91) | 636 (30/19), 666.6 (24/7,26/7), 715.5 (24/7) | 3 | 1 1/2 | 3 | 1/2 | 4 3/4 | 5/8 |
| WPC80-4N4-AA | 2 | 750 (37,61,91), 795 (37,61), 800 (61,91) | 636 (30/19), 666.6 (24/7,26/7), 715.5 (24/7) | 4 | 1 1/2 | 4 | 1/2 | 5 3/4 | 1 1/8 |

*continued*

© 2011, AFL, all rights reserved. PP-3-00535, Revision 11, 1.9.2025
Specifications are subject to change without notice.

# TYPE WPC-N-AA, WPCA-N-30-AA, WPCA-N-45-AA, WPCA-N-90-AA

## Ordering Information

| Catalog No. | FIG. No. | Cable Range | | Dimensions in Inches | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Aluminum | ACSR | A | B | C | T | L | X |
| WPC90-2N-AA | 1 | 800 (61,91), 874.5 (37,61), 900 (37,61,91) | 715.5 (30/19), 795 (36/1,45/7,24/7,54/7) | 2 | 1 1/2 | 3 | 1/2 | 4 3/4 | 5/8 |
| WPC90-4N-AA | 2 | 800 (61,91), 874.5 (37,61), 900 (37,61,91) | 715.5 (30/19), 795 (36/1,45/7,24/7,54/7) | 3 | 1 1/2 | 3 | 1/2 | 4 3/4 | 5/8 |
| WPC90-4N4-AA | 2 | 800 (61,91), 874.5 (37,61), 900 (37,61,91) | 715.5 (30/19), 795 (36/1,45/7,24/7,54/7) | 4 | 1 1/2 | 4 | 1/2 | 5 3/4 | 1 1/8 |
| WPC95-2N-AA | 1 | 900 (37,61), 954 (37,61) | 795 (26/7, 30/19), 874.5 (54/7), 900 (45/7,54/7) | 2 | 1 3/4 | 3 | 1/2 | 5 | 5/8 |
| WPC95-4N-AA | 2 | 900 (37,61), 954 (37,61) | 795 (26/7, 30/19), 874.5 (54/7), 900 (45/7,54/7) | 3 | 1 3/4 | 3 | 1/2 | 5 | 5/8 |
| WPC95-4N4-AA | 2 | 900 (37,61), 954 (37,61) | 795 (26/7, 30/19), 874.5 (54/7), 900 (45/7,54/7) | 4 | 1 3/4 | 4 | 1/2 | 6 | 1 1/8 |
| WPC103-2N-AA | 1 | 954 (37/61), 1000 (37,61,91), 1033.5 (37,61) | 954 (36/1,45/7,54/7) | 2 | 1 3/4 | 3 | 1/2 | 5 | 5/8 |
| WPC103-4N-AA | 2 | 954 (37/61), 1000 (37,61,91), 1033.5 (37,61) | 954 (36/1,45/7,54/7) | 3 | 1 3/4 | 3 | 1/2 | 5 | 5/8 |
| WPC103-4N4-AA | 2 | 954 (37/61), 1000 (37,61,91), 1033.5 (37,61) | 954 (36/1,45/7,54/7) | 4 | 1 3/4 | 4 | 1/2 | 6 | 1 1/8 |
| WPC103-4N4-AA-T3/4 | 2 | 954 (37/61), 1000 (37,61,91), 1033.5 (37,61) | 954 (36/1,45/7,54/7) | 4 | 1 3/4 | 4 | 3/4 | 6 | 1 1/8 |
| WPC111-2N-AA | 1 | 1100 (91,127), 1113 (61) | 1033.5 (36/1,45/7,54/7) | 2 1/2 | 1 3/4 | 3 | 1/2 | 5 | 5/8 |
| WPC111-4N-AA | 2 | 1100 (91,127), 1113 (61) | 1033.5 (36/1,45/7,54/7) | 3 | 1 3/4 | 3 | 1/2 | 5 | 5/8 |
| WPC111-4N4-AA | 2 | 1100 (91,127), 1113 (61) | 1033.5 (36/1,45/7,54/7) | 4 | 1 3/4 | 4 | 1/2 | 6 | 1 1/8 |
| WPC127A-4N-AA | 2 | — | 1272 MCM | 3 | 2 | 3 | 3/4 | 5 1/4 | 5/8 |
| WPC127A-4N4-AA | 2 | — | 1272 MCM | 4 | 2 | 4 | 11/16 | 5 1/2 | 1 1/8 |
| WPC127R-4N-AA | 2 | 1272 MCM ROPE LAY | — | 3 | 2 | 3 | 11/16 | 5 1/2 | 5/8 |
| WPC127R-4N4-AA | 2 | 1272 MCM ROPE LAY | — | 4 | 2 | 4 1/4 | 11/16 | 6 1/2 | 1 1/8 |
| WPC135-2N-AA | 1 | 1192.5 (61), 1200 (91,127), 1250 (91,127), 1272 (61), 1300 (91,127), 1351.5 (61) | 1113 (45/7,54/19), 1192.5 (45/7,54/19) | 2 1/2 | 2 | 3 | 9/16 | 5 1/4 | 5/8 |
| WPC135-4N-AA | 2 | 1192.5 (61), 1200 (91,127), 1250 (91,127), 1272 (61), 1300 (91,127), 1351.5 (61) | 1113 (45/7,54/19), 1192.5 (45/7,54/19) | 3 | 2 | 3 | 9/16 | 5 1/4 | 5/8 |
| WPC135-4N4-AA | 2 | 1192.5 (61), 1200 (91,127), 1250 (91,127), 1272 (61), 1300 (91,127), 1351.5 (61) | 1113 (45/7,54/19), 1192.5 (45/7,54/19) | 4 | 2 | 4 | 9/16 | 6 1/4 | 1 1/8 |
| WPC151-4N-AA | 2 | 1400 (91,127), 1431 (61), 1500 (91,127), 1510.5 (61) | 1272 (45/7,54/19), 1351.5 (45/7,54/19) | 3 | 2 1/4 | 3 | 11/16 | 5 5/8 | 5/8 |
| WPC151-4N4-AA | 2 | 1400 (91,127), 1431 (61), 1500 (91,127), 1510.5 (61) | 1272 (45/7,54/19), 1351.5 (45/7,54/19) | 4 | 2 1/4 | 4 | 11/16 | 6 5/8 | 1 1/8 |
| WPC159-2N-AA | 1 | 1590 MCM | — | 2 1/2 | 2 | 3 | 11/16 | 5 5/16 | 5/8 |
| WPC159-4N-AA | 2 | 1590 MCM | — | 3 | 2 | 3 | 11/16 | 5 5/16 | 5/8 |
| WPC159-4N4-AA | 2 | 1590 MCM | — | 4 | 2 | 4 | 11/16 | 6 5/16 | 1 1/8 |
| WPC170-2N-AA | 1 | 1590 (61), 1600 (127,169), 1700 (127,169) | 1431 (45/7,54/19), 1510.5 (45/7, 54/19) | 2 1/2 | 2 1/4 | 3 | 3/4 | 5 1/2 | 5/8 |
| WPC170-4N-AA | 2 | 1590 (61), 1600 (127,169), 1700 (127,169) | 1431 (45/7,54/19), 1510.5 (45/7, 54/19) | 3 | 2 1/4 | 3 | 5/8 | 5 1/2 | 5/8 |
| WPC170-4N4-AA | 2 | 1590 (61), 1600 (127,169), 1700 (127,169) | 1431 (45/7,54/19), 1510.5 (45/7, 54/19) | 4 | 2 1/4 | 4 | 3/4 | 6 5/8 | 1 1/8 |
| WPC190-4N-AA | 2 | 1750 (127,169), 1800 (127,169), 1900 (127,169) | 1590 (45/7,54/19), 1780 (84/19) | 3 | 2 1/4 | 3 | 11/16 | 5 1/2 | 5/8 |
| WPC190-4N4-AA | 2 | 1750 (127,169), 1800 (127,169), 1900 (127,169) | 1590 (45/7,54/19), 1780 (84/19) | 4 | 2 1/4 | 4 | 11/16 | 6 1/2 | 1 1/8 |
| WPC190-6N4-AA | 3 | 1750 (127, 169), 1800 (127, 169), 1900 (127, 169) | 1590 (45/7, 54/19), 1780 (84/19) | 6 | 2 1/4 | 4 | 11/16 | 6 1/2 | 1 1/8 |
| WPC205-4N4-AA | 2 | 2049 MCM ACAR | — | 4 | 2 1/4 | 4 | 3/4 | 6 9/16 | 1 1/8 |

*continued*

© 2011, AFL, all rights reserved. PP-3-00535, Revision 11, 1.9.2025
Specifications are subject to change without notice.

# TYPE WPC-N-AA, WPCA-N-30-AA, WPCA-N-45-AA, WPCA-N-90-AA

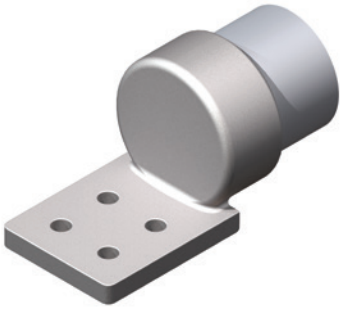
## Ordering Information

| Catalog No. | FIG. No. | Cable Range | | Dimensions in Inches | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Aluminum | ACSR | A | B | C | T | L | X |
| WPC225-4N-AA | 2 | 2000 (91,127,169), 2250 (91) | 1780 (84/19), 2167 (72/7) | 3 | 2 1/4 | 3 | 3/4 | 5 9/16 | 5/8 |
| WPC225-4N4-AA | 2 | 2000 (91,127,169), 2250 (91) | 1780 (84/19), 2167 (72/7) | 4 | 2 1/4 | 4 | 3/4 | 6 9/16 | 1 1/8 |
| WPC225-6N4-AA | 3 | 2000 (91,127,169), 2250 (91) | 1780 (84/19), 2167 (72/7) | 6 | 2 1/4 | 4 | 3/4 | 6 9/16 | 1 1/8 |
| WPC234-4N4-AA | 2 | 2336 MCM ACAR | — | 4 | 2 1/4 | 4 | 3/4 | 6 9/16 | 1 1/8 |
| WPC240R-4N4-AA | 2 | 2.4 DI | — | 4 | 2 3/4 | 4 1/4 | 1 | 7 1/4 | 1 1/8 |
| WPC250-4N-AA | 2 | 2500 (91,127,169) | 2156 (84/19) | 3 | 2 1/4 | 3 | 3/4 | 5 1/2 | 5/8 |
| WPC250-4N4-AA | 2 | 2500 (91,127,169) | 2156 (84/19) | 4 | 2 1/4 | 4 | 3/4 | 6 1/2 | 1 1/8 |
| WPC300-4N-AA | 2 | 2750 (91), 3000 (127,169) | 2870 MCM | 3 | 2 1/4 | 3 | 3/4 | 5 1/2 | 5/8 |
| WPC300-4N4-AA | 2 | 2750 (91), 3000 (127,169) | 2870 MCM | 4 | 2 1/4 | 4 | 3/4 | 6 5/8 | 1 1/8 |

© 2011, AFL, all rights reserved. PP-3-00535, Revision 11, 1.9.2025
Specifications are subject to change without notice.

# TYPE WTP-N-AA

**Flush Welded Terminal**



**WTP-N-AA**

## Material

Aluminum Alloy

## Notes

1. Add "U" for undrilled pad. EX: WTP400-4N4U-AA
2. Add "F" for finished pad on both sides. EX: WTP75-2NF-AA

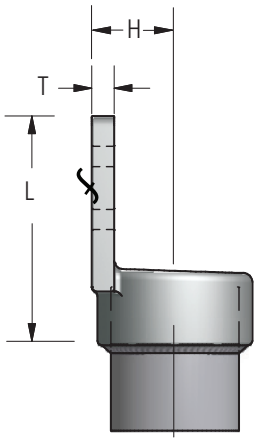



**FIG. 1**

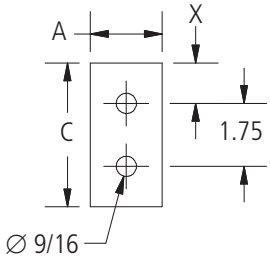



**FIG. 2**

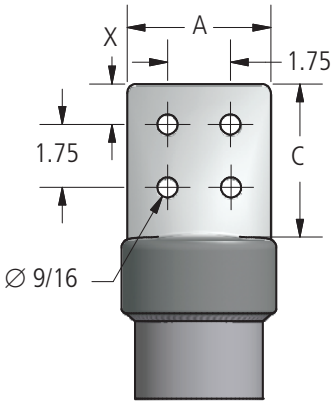
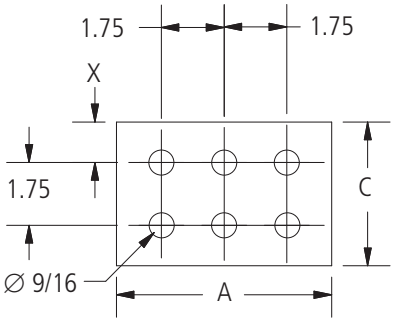



**FIG. 3**




AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

*continued*

© 2011, AFL, all rights reserved. PP-3-00554, Revision 7, 1.9.2025
Specifications are subject to change without notice.

# TYPE WTP-N-AA

## Flush Welded Terminal

### Ordering Information

| Catalog Number | SPS | Figure Number | Dimensions in Inches | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | A | C | H | L | T | X |
| WTP75-2N-AA | 3/4 | 1 | 2.00 | 3.00 | 1.31 | 4.31 | 0.38 | 0.63 |
| WTP75-4N-AA | 3/4 | 2 | 3.00 | 3.00 | 1.31 | 4.31 | 0.38 | 0.63 |
| WTP100-2N-AA | 1 | 1 | 2.00 | 3.00 | 1.19 | 4.25 | 0.50 | 0.63 |
| WTP100-4N-AA | 1 | 2 | 3.00 | 3.00 | 1.00 | 4.25 | 0.38 | 0.63 |
| WTP100-4N4-AA | 1 | 2 | 4.00 | 4.00 | 1.00 | 5.25 | 0.38 | 1.13 |
| WTP125-2N-AA | 1-1/4 | 1 | 2.00 | 3.00 | 1.25 | 4.63 | 0.50 | 0.63 |
| WTP125-4N-AA | 1-1/4 | 2 | 3.00 | 3.00 | 1.44 | 5.00 | 0.63 | 0.63 |
| WTP125-4N4-AA | 1-1/4 | 2 | 4.00 | 4.00 | 1.25 | 5.44 | 0.50 | 1.13 |
| WTP150-2N-AA | 1-1/2 | 1 | 2.00 | 3.00 | 1.56 | 5.00 | 0.50 | 0.63 |
| WTP150-4N-AA | 1-1/2 | 2 | 3.00 | 3.00 | 1.56 | 5.00 | 0.50 | 0.63 |
| WTP150-4N4-AA | 1-1/2 | 2 | 4.00 | 4.00 | 1.56 | 6.00 | 0.50 | 1.13 |
| WTP200-2N-AA | 2 | 1 | 2.00 | 3.00 | 1.69 | 4.88 | 0.50 | 0.63 |
| WTP200-4N-AA | 2 | 2 | 3.00 | 3.00 | 1.81 | 5.25 | 0.63 | 0.63 |
| WTP200-4N4-AA | 2 | 2 | 4.00 | 4.00 | 1.69 | 5.88 | 0.63 | 1.13 |
| WTP250-2N-AA | 2-1/2 | 1 | 2.00 | 3.00 | 1.94 | 5.25 | 0.63 | 0.63 |
| WTP250-4N-AA | 2-1/2 | 2 | 3.00 | 3.00 | 1.94 | 5.25 | 0.63 | 0.63 |
| WTP250-4N4-AA | 2-1/2 | 2 | 4.00 | 4.00 | 1.88 | 6.25 | 0.63 | 1.13 |
| WTP300-2N-AA | 3 | 1 | 2.00 | 3.00 | 2.31 | 5.63 | 0.63 | 0.63 |
| WTP300-4N-AA | 3 | 2 | 3.00 | 3.00 | 2.25 | 5.38 | 0.63 | 0.63 |
| WTP300-4N4-AA | 3 | 2 | 4.00 | 4.00 | 2.25 | 6.38 | 0.63 | 1.13 |
| WTP300-5N4-AA | 3 | 3 | 5.00 | 4.00 | 2.31 | 6.63 | 0.63 | 1.13 |
| WTP300-6N4-AA | 3 | 3 | 6.00 | 4.00 | 2.31 | 6.63 | 0.63 | 1.13 |
| WTP350-2N-AA | 3-1/2 | 1 | 2.00 | 3.00 | 2.56 | 5.50 | 0.75 | 0.63 |
| WTP350-4N-AA | 3-1/2 | 2 | 3.00 | 3.00 | 2.56 | 5.50 | 0.75 | 0.63 |
| WTP350-4N4-AA | 3-1/2 | 2 | 4.00 | 4.00 | 2.56 | 6.50 | 0.75 | 1.13 |
| WTP350-5N4-AA | 3-1/2 | 3 | 5.00 | 4.00 | 2.56 | 6.88 | 0.75 | 1.13 |
| WTP350-6N4-AA | 3-1/2 | 3 | 6.00 | 4.00 | 2.56 | 6.88 | 0.75 | 1.13 |
| WTP400-4N-AA | 4 | 2 | 3.00 | 3.50 | 2.97 | 6.38 | 0.75 | 0.63 |
| WTP400-4N4-AA | 4 | 2 | 4.00 | 4.00 | 2.97 | 7.50 | 0.75 | 1.13 |
| WTP400-5N4-AA | 4 | 3 | 5.00 | 4.00 | 2.88 | 7.13 | 0.75 | 1.13 |
| WTP400-6N4-AA | 4 | 3 | 6.00 | 4.00 | 2.88 | 7.13 | 0.75 | 1.13 |
| WTP500-4N-AA | 5 | 2 | 3.00 | 3.00 | 3.44 | 6.63 | 0.88 | 0.63 |
| WTP500-4N4-AA | 5 | 2 | 4.00 | 4.00 | 3.44 | 7.00 | 0.88 | 1.13 |
| WTP500-5N4-AA | 5 | 3 | 5.00 | 4.00 | 3.44 | 7.63 | 0.88 | 1.13 |
| WTP500-6N4-AA | 5 | 3 | 6.00 | 4.00 | 3.44 | 7.63 | 0.88 | 1.13 |
| WTP600-4N-AA | 6 | 2 | 3.00 | 3.00 | 3.94 | 7.13 | 1.00 | 0.63 |
| WTP600-4N4-AA | 6 | 2 | 4.00 | 4.50 | 4.25 | 8.94 | 1.06 | 1.13 |
| WTP600-5N4-AA | 6 | 3 | 5.00 | 4.00 | 3.94 | 8.13 | 1.00 | 1.13 |
| WTP600-6N4-AA | 6 | 3 | 6.00 | 4.00 | 3.94 | 7.00 | 1.00 | 1.13 |
| WTP800R-4N4-AA | 8" OD | 2 | 4.00 | 4.00 | 5.08 | 8.13 | 1.25 | 1.13 |
| WTP800R-6N4-AA | 8" OD | 3 | 6.00 | 4.00 | 5.02 | 8.00 | 1.25 | 1.13 |

© 2011, AFL, all rights reserved. PP-3-00554, Revision 7, 1.9.2025
Specifications are subject to change without notice.

# TYPE WTPA-N-45-AA

**Flush Welded Terminal, 45 Degree**



WTPA-N-45-AA

## Material

Aluminum Alloy

## Notes

1. Add "U" for undrilled pad. EX: WTPA400-4N4U-45-AA
2. Add "F" for finished pad on both sides. EX: WTPA75-2NF-AA

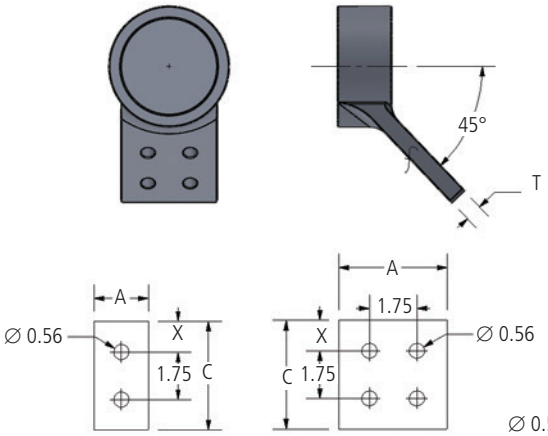



FIG. 1 FIG. 2 FIG. 3

*continued*

© 2011, AFL, all rights reserved. PP-3-00858, Revision 6, 1.9.2025
Specifications are subject to change without notice.

# TYPE WTPA-N-45-AA

## Flush Welded Terminal, 45 Degree

### Ordering Information

| Catalog Number | SPS | Figure Number | Dimensions in Inches | | | |
|---|---|---|---|---|---|---|
| | | | A | C | T | X |
| WTPA75-2N-45-AA | 3/4 | 1 | 2.00 | 3.00 | 0.38 | 0.63 |
| WTPA75-4N-45-AA | 3/4 | 2 | 3.00 | 3.00 | 0.38 | 0.63 |
| WTPA100-2N-45-AA | 1 | 1 | 2.00 | 3.00 | 0.50 | 0.63 |
| WTPA100-4N-45-AA | 1 | 2 | 3.00 | 3.00 | 0.38 | 0.63 |
| WTPA100-4N4-45-AA | 1 | 2 | 4.00 | 4.00 | 0.38 | 1.13 |
| WTPA125-2N-45-AA | 1-1/4 | 1 | 2.00 | 3.00 | 0.50 | 0.63 |
| WTPA125-4N-45-AA | 1-1/4 | 2 | 3.00 | 3.00 | 0.63 | 0.63 |
| WTPA125-4N4-45-AA | 1-1/4 | 2 | 4.00 | 4.00 | 0.50 | 1.13 |
| WTPA150-2N-45-AA | 1-1/2 | 1 | 2.00 | 3.00 | 0.50 | 0.63 |
| WTPA150-4N-45-AA | 1-1/2 | 2 | 3.00 | 3.00 | 0.50 | 0.63 |
| WTPA150-4N4-45-AA | 1-1/2 | 2 | 4.00 | 4.00 | 0.50 | 1.13 |
| WTPA200-2N-45-AA | 2 | 1 | 2.00 | 3.00 | 0.50 | 0.63 |
| WTPA200-4N-45-AA | 2 | 2 | 3.00 | 3.13 | 0.50 | 0.63 |
| WTPA200-4N4-45-AA | 2 | 2 | 4.00 | 4.00 | 0.50 | 1.13 |
| WTPA250-2N-45-AA | 2-1/2 | 1 | 2.00 | 3.25 | 0.63 | 0.63 |
| WTPA250-4N-45-AA | 2-1/2 | 2 | 3.00 | 3.00 | 0.63 | 0.63 |
| WTPA250-4N4-45-AA | 2-1/2 | 2 | 4.00 | 4.00 | 0.63 | 1.13 |
| WTPA300-2N-45-AA | 3 | 1 | 2.00 | 3.00 | 0.63 | 0.63 |
| WTPA300-4N-45-AA | 3 | 2 | 3.00 | 3.00 | 0.63 | 0.63 |
| WTPA300-4N4-45-AA | 3 | 2 | 4.00 | 4.00 | 0.75 | 1.13 |
| WTPA300-5N4-45-AA | 3 | 3 | 5.00 | 4.00 | 0.63 | 1.13 |
| WTPA300-6N4-45-AA | 3 | 3 | 6.00 | 4.00 | 0.63 | 1.13 |
| WTPA350-2N-45-AA | 3-1/2 | 1 | 2.00 | 3.00 | 0.75 | 0.63 |
| WTPA350-4N-45-AA | 3-1/2 | 2 | 3.00 | 3.00 | 0.75 | 0.63 |
| WTPA350-4N4-45-AA | 3-1/2 | 2 | 4.00 | 4.00 | 0.75 | 1.13 |
| WTPA350-5N4-45-AA | 3-1/2 | 3 | 5.00 | 4.00 | 0.75 | 1.13 |
| WTPA350-6N4-45-AA | 3-1/2 | 3 | 6.00 | 4.00 | 0.75 | 1.13 |
| WTPA400-4N-45-AA | 4 | 2 | 3.00 | 3.00 | 0.75 | 0.63 |
| WTPA400-4N4-45-AA | 4 | 2 | 4.00 | 4.00 | 0.75 | 1.13 |
| WTPA400-5N4-45-AA | 4 | 3 | 5.00 | 4.00 | 0.75 | 1.13 |
| WTPA400-6N4-45-AA | 4 | 3 | 6.00 | 4.00 | 0.75 | 1.13 |
| WTPA500-4N-45-AA | 5 | 2 | 3.00 | 3.00 | 0.88 | 0.63 |
| WTPA500-4N4-45-AA | 5 | 2 | 4.00 | 4.00 | 0.88 | 1.13 |
| WTPA500-5N4-45-AA | 5 | 3 | 5.00 | 4.00 | 0.88 | 1.13 |
| WTPA500-6N4-45-AA | 5 | 3 | 6.00 | 4.00 | 0.88 | 1.13 |
| WTPA600-4N-45-AA | 6 | 2 | 3.00 | 3.00 | 1.00 | 0.63 |
| WTPA600-4N4-45-AA | 6 | 2 | 4.00 | 4.00 | 0.63 | 1.13 |
| WTPA600-5N4-45-AA | 6 | 3 | 5.00 | 4.00 | 1.00 | 1.13 |
| WTPA600-6N4-45-AA | 6 | 3 | 6.00 | 4.00 | 0.63 | 1.13 |
| WTPA800R-4N4-45-AA | 8" OD | 2 | 4.00 | 4.00 | 1.25 | 1.13 |
| WTPA800R-6N4-45-AA | 8" OD | 3 | 6.00 | 4.00 | 1.25 | 1.13 |

© 2011, AFL, all rights reserved. PP-3-00858, Revision 6, 1.9.2025
Specifications are subject to change without notice.

# TYPE WTPA-N-90-AA

**Flush Welded Terminal, 90 Degree**



WTPA-N-90-AA

## Material

Aluminum Alloy

## Notes

1. Add "U" for undrilled pad. EX: WTPA400-4N4U-90-AA
2. Add "F" for finished pad on both sides. EX: WTPA75-2NF-90-AA

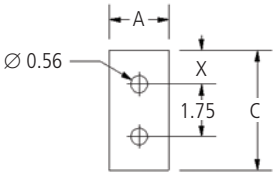



FIG. 1

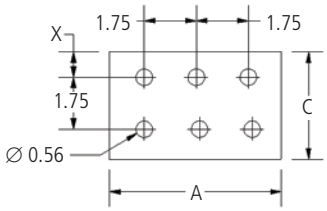



FIG. 3

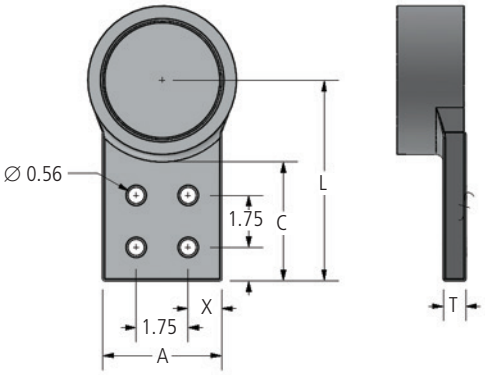



FIG. 2

*continued*

© 2011, AFL, all rights reserved. PP-3-00859, Revision 6, 1.9.2025
Specifications are subject to change without notice.

# TYPE WTPA-N-90-AA

## Flush Welded Terminal, 90 Degree

### Ordering Information

| Catalog Number | SPS | Figure Number | Dimensions in Inches | | | | |
|---|---|---|---|---|---|---|---|
| | | | A | C | L | T | X |
| WTPA75-2N-90-AA | 3/4 | 1 | 2.00 | 3.00 | 3.88 | 0.38 | 0.63 |
| WTPA75-4N-90-AA | 3/4 | 2 | 3.00 | 3.00 | 3.88 | 0.38 | 0.63 |
| WTPA100-2N-90-AA | 1 | 1 | 2.00 | 3.00 | 4.19 | 0.38 | 0.63 |
| WTPA100-4N-90-AA | 1 | 2 | 3.00 | 3.00 | 4.19 | 0.38 | 0.63 |
| WTPA100-4N4-90-AA | 1 | 2 | 4.00 | 4.00 | 5.19 | 0.38 | 1.13 |
| WTPA125-2N-90-AA | 1-1/4 | 1 | 2.00 | 3.00 | 4.50 | 0.63 | 0.63 |
| WTPA125-4N-90-AA | 1-1/4 | 2 | 3.00 | 3.00 | 4.50 | 0.63 | 0.63 |
| WTPA125-4N4-90-AA | 1-1/4 | 2 | 4.00 | 4.00 | 5.63 | 0.50 | 1.13 |
| WTPA150-2N-90-AA | 1-1/2 | 1 | 2.00 | 3.00 | 4.69 | 0.50 | 0.63 |
| WTPA150-4N-90-AA | 1-1/2 | 2 | 3.00 | 3.00 | 4.69 | 0.50 | 0.63 |
| WTPA150-4N4-90-AA | 1-1/2 | 2 | 4.00 | 4.00 | 5.63 | 0.50 | 1.13 |
| WTPA200-2N-90-AA | 2 | 1 | 2.00 | 3.00 | 4.75 | 0.50 | 0.63 |
| WTPA200-4N-90-AA | 2 | 2 | 3.00 | 3.00 | 4.75 | 0.50 | 0.63 |
| WTPA200-4N4-90-AA | 2 | 2 | 4.00 | 4.00 | 5.75 | 0.50 | 1.13 |
| WTPA250-2N-90-AA | 2-1/2 | 1 | 2.50 | 3.00 | 6.19 | 0.63 | 0.63 |
| WTPA250-4N-90-AA | 2-1/2 | 2 | 3.00 | 3.00 | 5.20 | 0.63 | 0.63 |
| WTPA250-4N4-90-AA | 2-1/2 | 2 | 4.00 | 4.00 | 6.19 | 0.63 | 1.13 |
| WTPA300-2N-90-AA | 3 | 1 | 2.00 | 3.00 | 5.44 | 0.63 | 0.63 |
| WTPA300-4N-90-AA | 3 | 2 | 3.00 | 3.00 | 5.41 | 0.63 | 0.63 |
| WTPA300-4N4-90-AA | 3 | 2 | 4.00 | 4.00 | 6.44 | 0.63 | 1.13 |
| WTPA300-5N4-90-AA | 3 | 3 | 5.00 | 4.00 | 6.44 | 0.63 | 1.13 |
| WTPA300-6N4-90-AA | 3 | 3 | 6.00 | 4.00 | 6.44 | 0.63 | 1.13 |
| WTPA350-2N-90-AA | 3-1/2 | 1 | 2.00 | 3.00 | 5.72 | 0.75 | 0.63 |
| WTPA350-4N-90-AA | 3-1/2 | 2 | 3.00 | 3.00 | 5.75 | 0.75 | 0.63 |
| WTPA350-4N4-90-AA | 3-1/2 | 2 | 4.00 | 4.00 | 6.75 | 0.75 | 1.13 |
| WTPA350-5N4-90-AA | 3-1/2 | 3 | 5.00 | 4.00 | 6.75 | 0.75 | 1.13 |
| WTPA350-6N4-90-AA | 3-1/2 | 3 | 6.00 | 4.00 | 6.75 | 0.75 | 1.13 |
| WTPA400-4N-90-AA | 4 | 2 | 3.00 | 3.00 | 6.52 | 0.75 | 0.63 |
| WTPA400-4N4-90-AA | 4 | 2 | 4.00 | 4.00 | 7.02 | 0.75 | 1.13 |
| WTPA400-5N4-90-AA | 4 | 3 | 5.00 | 4.00 | 7.02 | 0.75 | 1.13 |
| WTPA400-6N4-90-AA | 4 | 3 | 6.00 | 4.00 | 7.02 | 0.75 | 1.13 |
| WTPA500-4N-90-AA | 5 | 2 | 3.00 | 3.50 | 7.06 | 0.88 | 0.63 |
| WTPA500-4N4-90-AA | 5 | 2 | 4.00 | 4.00 | 7.56 | 0.88 | 1.13 |
| WTPA500-5N4-90-AA | 5 | 3 | 5.00 | 4.00 | 7.56 | 0.88 | 1.13 |
| WTPA500-6N4-90-AA | 5 | 3 | 6.00 | 4.50 | 8.12 | 1.13 | 1.13 |
| WTPA600-4N-90-AA | 6 | 2 | 3.00 | 3.00 | 7.00 | 1.00 | 0.63 |
| WTPA600-4N4-90-AA | 6 | 2 | 4.00 | 4.00 | 8.22 | 1.00 | 1.13 |
| WTPA600-5N4-90-AA | 6 | 3 | 5.00 | 4.00 | 8.22 | 1.00 | 1.13 |
| WTPA600-6N4-90-AA | 6 | 3 | 6.00 | 4.00 | 8.22 | 1.00 | 1.13 |
| WTPA800R-4N4-90-AA | 8" OD | 2 | 4.00 | 4.00 | 9.33 | 1.25 | 1.13 |
| WTPA800R-6N4-90-AA | 8" OD | 3 | 6.00 | 4.00 | 9.33 | 1.25 | 1.13 |

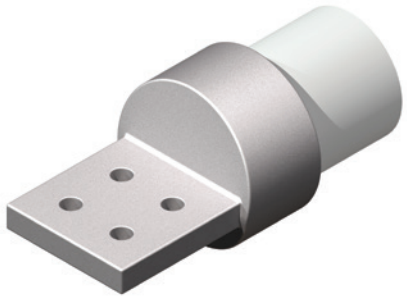
© 2011, AFL, all rights reserved. PP-3-00859, Revision 6, 1.9.2025
Specifications are subject to change without notice.

# TYPE WTPC-N-AA

## External Center Form Welded Terminal

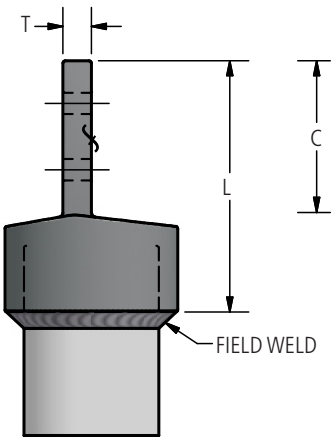
### Material

Aluminum Alloy



### Notes

- Add "U" for undrilled
- Add "F" for finished on both sides EX: WTPC75-2NF-AA



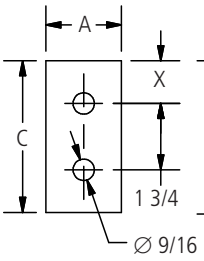




FIG. 1

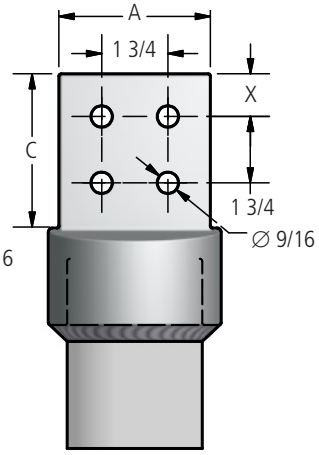



FIG. 2

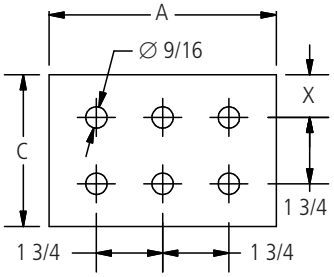



FIG. 3

### Ordering Information

| Catalog Number | Figure Number | SPS | Dimensions in Inches | | | | |
|---|---|---|---|---|---|---|---|
| | | | A | C | L | T | X |
| WTPC75-2N-AA | 1 | 3/4 | 2 | 3 | 4 5/8 | 3/8 | 5/8 |
| WTPC75-4N-AA | 2 | 3/4 | 3 | 3 | 4 5/8 | 3/8 | 5/8 |
| WTPC100-2N-AA | 1 | 1 | 2 | 3 | 5 | 3/8 | 5/8 |
| WTPC100-4N-AA | 2 | 1 | 3 | 3 | 5 | 3/8 | 5/8 |
| WTPC100-4N4-AA | 2 | 1 | 4 | 4 | 6 | 3/8 | 1 1/8 |
| WTPC125-2N-AA | 1 | 1 1/4 | 2 | 3 | 5 | 1/2 | 5/8 |
| WTPC125-4N4-AA | 2 | 1 1/4 | 4 | 4 | 6 | 1/2 | 1 1/8 |
| WTPC125-4N-AA | 2 | 1 1/4 | 3 | 3 | 5 | 1/2 | 5/8 |
| WTPC150-2N-AA | 1 | 1 1/2 | 2 | 3 | 5 | 5/8 | 5/8 |
| WTPC150-4N4-AA | 2 | 1 1/2 | 4 | 4 | 6 1/32 | 1/2 | 1 1/8 |
| WTPC150-4N-AA | 2 | 1 1/2 | 3 | 3 | 4 5/8 | 1/2 | 5/8 |
| WTPC200-2N-AA | 1 | 2 | 2 | 3 | 5 | 1/2 | 5/8 |
| WTPC200-4N4-AA | 2 | 2 | 4 | 4 | 6 | 1/2 | 1 1/8 |
| WTPC200-4N-AA | 2 | 2 | 3 | 3 | 5 | 1/2 | 5/8 |
| WTPC250-2N-AA | 1 | 2 1/2 | 3 | 3 | 5 | 5/8 | 5/8 |
| WTPC250-4N4-AA | 2 | 2 1/2 | 4 | 4 | 6 | 5/8 | 1 1/8 |
| WTPC250-4N-AA | 2 | 2 1/2 | 3 | 3 | 5 | 5/8 | 5/8 |
| WTPC300-2N-AA | 1 | 3 | 2 1/2 | 3 | 5 1/4 | 3/4 | 5/8 |
| WTPC300-4N4-AA | 2 | 3 | 4 | 4 | 6 5/8 | 3/4 | 1 1/8 |
| WTPC300-4N-AA | 2 | 3 | 3 | 3 | 5 1/4 | 3/4 | 5/8 |
| WTPC350-4N-AA | 2 | 3 1/2 | 3 | 3 | 5 5/8 | 3/4 | 5/8 |
| WTPC350-4N4-AA | 2 | 3 1/2 | 4 | 4 | 6 5/8 | 3/4 | 1 1/8 |
| WTPC400-2N-AA | 1 | 4 | 2 1/2 | 3 | 6 | 3/4 | 5/8 |
| WTPC400-4N4-AA | 2 | 4 | 4 | 4 | 7 | 7/8 | 1 1/8 |
| WTPC400-4N-AA | 2 | 4 | 3 | 3 | 6 | 3/4 | 5/8 |
| WTPC400-5N4-AA | 3 | 4 | 5 | 4 | 6 3/4 | 3/4 | 1 1/8 |
| WTPC400-6N4-AA | 3 | 4 | 6 | 4 1/2 | 7 1/2 | 7/8 | 1 1/8 |
| WTPC500-4N-AA | 2 | 5 | 3 | 3 1/2 | 6 7/8 | 3/4 | 5/8 |
| WTPC500-4N4-AA | 2 | 5 | 4 | 4 | 7 3/8 | 3/4 | 1 1/8 |
| WTPC500-5N4-AA | 3 | 5 | 5 | 4 | 7 3/8 | 7/8 | 1 1/8 |
| WTPC500-6N4-AA | 3 | 5 | 6 | 4 | 7 3/8 | 7/8 | 1 1/8 |
| WTPC600-4N4-AA | 2 | 6 | 4 | 4 | 7 7/8 | 1 | 1 1/8 |
| WTPC600-6N4-AA | 3 | 6 | 6 1/8 | 4 | 7 7/8 | 1 | 1 1/8 |
| WTPC800-4N4-AA | 2 | 8 | 4 | 4 | 7 7/8 | 1 1/4 | 1 1/8 |
| WTPC800-6N4-AA | 3 | 8 | 6 | 4 | 7 7/8 | 1 1/4 | 1 1/8 |

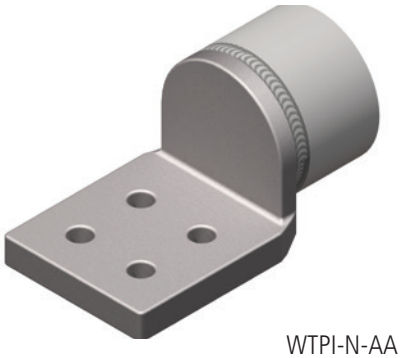
AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2011, AFL, all rights reserved. PP-3-00556, Revision 9, 1.9.2025
Specifications are subject to change without notice.

# TYPE WTPI-N-AA, WTPIA-N-45-AA, WTPIA-N-90-AA

## Internal Welded Terminal

WTPI-N-AA the pad and pipe run parallel, WTPIA-N-45-AA the pad is at a 45° angle to the pipe, and WTPI-N-90-AA the pad is at a 90° angle to the pipe.



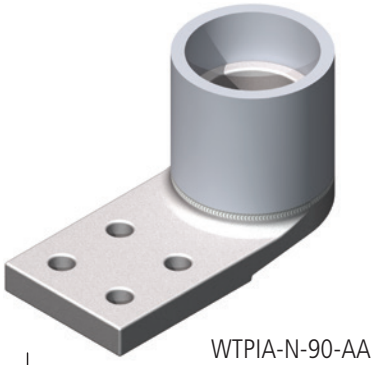
WTPI-N-AA

### Material

Aluminum

### Notes

- Add "U" for undrilled
- Add "F" for finished on both sides. EX: WTP75-2NF-AA
- For a 1" SPS pipe to a 3" NEMA pad at 45°, order: WTPIA100-4N-45-AA
- For a 2" SPS pipe to a 4" NEMA pad at 90°, order: WTPIA200-4N4-90-AA
- For a 2" SPS pipe to a 4" NEMA pad finished on both sides, order: WTPI200-4N4F-AA
- For a 1" SPS pipe to a 4" pad undrilled order: WTPI100-4N4U-AA



WTPIA-N-90-AA



**WTPI-N-AA**



**WTPIA-N-45-AA**



**WTPIA-N-90-AA**

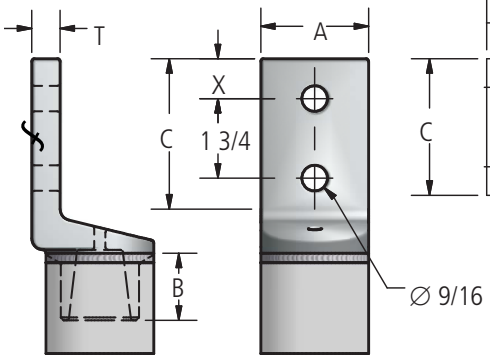



**FIG. 1**

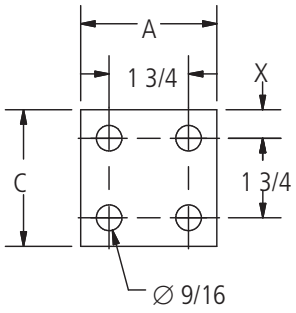



**FIG. 2**

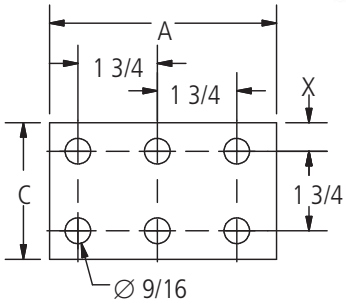
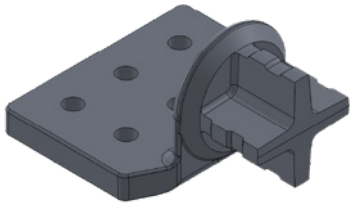



**FIG. 3**



**CROSS DESIGN**

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

*continued*

© 2011, AFL, all rights reserved. PP-3-00568, Revision 4, 1.9.2025
Specifications are subject to change without notice.

# TYPE WTPI-N-AA, WTPIA-N-45-AA, WTPIA-N-90-AA

## Internal Welded Terminal

### Ordering Information

| Catalog Number | | SPS | Figure Number | Dimensions in Inches | | | | |
|---|---|---|---|---|---|---|---|---|
| SCH 40 | SCH 80 | | | A | B | C | T | X |
| WTPI75-2N-AA | WTPI75E-2N-AA | 3/4 | 1 | 1-1/2 | 3/4 | 3 | 3/8 | 5/8 |
| WTPI100-2N-AA | WTPI100E-2N-AA | 1 | 1 | 1-1/2 | 3/4 | 3 | 3/8 | 5/8 |
| WTPI100-4N-AA | WTPI100E-4N-AA | 1 | 2 | 3 | 3/4 | 3 | 3/8 | 5/8 |
| WTPI100-4N4-AA | WTPI100E-4N4-AA | 1 | 2 | 4 | 3/4 | 4 | 3/8 | 1-1/8 |
| WTPI150-2N-AA | WTPI150E-2N-AA | 1-1/2 | 1 | 2 | 1 | 3 | 1/2 | 5/8 |
| WTPI150-4N-AA | WTPI150E-4N-AA | 1-1/2 | 2 | 3 | 1 | 3 | 1/2 | 5/8 |
| WTPI150-4N4-AA | WTPI150E-4N4-AA | 1-1/2 | 2 | 4 | 1 | 4 | 1/2 | 1-1/8 |
| WTPI200-2N-AA | WTPI200E-2N-AA | 2 | 1 | 2 | 1-1/4 | 3 | 5/8 | 5/8 |
| WTPI200-4N-AA | WTPI200E-4N-AA | 2 | 2 | 3 | 1-1/4 | 3 | 5/8 | 5/8 |
| WTPI200-4N4-AA | WTPI200E-4N4-AA | 2 | 2 | 4 | 1-1/4 | 4 | 5/8 | 1-1/8 |
| WTPI200-6N4-AA* | WTPI200E-6N4-AA* | 2 | 3 | 6 | 2 | 4 | 5/8 | 1-1/8 |
| WTPI250-2N-AA | WTPI250E-2N-AA | 2-1/2 | 1 | 2 | 1-1/2 | 3 | 5/8 | 5/8 |
| WTPI250-4N-AA | WTPI250E-4N-AA | 2-1/2 | 2 | 3 | 1-1/2 | 3 | 5/8 | 5/8 |
| WTPI250-4N4-AA | WTPI250E-4N4-AA | 2-1/2 | 2 | 4 | 1-1/2 | 4 | 5/8 | 1-1/8 |
| WTPI300-2N-AA | WTPI300E-2N-AA | 3 | 1 | 2 | 1-3/4 | 3 | 5/8 | 5/8 |
| WTPI300-4N-AA | WTPI300E-4N-AA | 3 | 2 | 3 | 1-3/4 | 3 | 3/4 | 5/8 |
| WTPI300-4N4-AA | WTPI300E-4N4-AA | 3 | 2 | 4 | 1-3/4 | 4 | 5/8 | 1-1/8 |
| WTPI300-6N4-AA* | WTPI300E-6N4-AA* | 3 | 3 | 6 | 2 | 4 | 3/4 | 1-1/8 |
| WTPI350-4N-AA | WTPI350E-4N-AA | 3-1/2 | 2 | 3 | 2 | 3 | 3/4 | 5/8 |
| WTPI350-4N4-AA* | WTPI350E-4N4-AA* | 3-1/2 | 2 | 4 | 2 | 4 | 3/4 | 1-1/8 |
| WTPI400-6N4-AA | WTPI400E-6N4-AA | 4 | 3 | 6 | 2-1/4 | 4 | 3/4 | 1-1/8 |
| WTPI400-4N-AA | WTPI400E-4N-AA | 4 | 2 | 3 | 2-1/4 | 3 | 3/4 | 5/8 |
| WTPI400-4N4-AA | WTPI400E-4N4-AA | 4 | 2 | 4 | 2-1/4 | 4 | 3/4 | 1-1/8 |
| WTPI500-4N-AA | WTPI500E-4N-AA | 5 | 2 | 3 | 2-7/8 | 3 | 7/8 | 5/8 |
| WTPI500-4N4-AA | WTPI500E-4N4-AA | 5 | 2 | 4 | 2-7/8 | 4 | 7/8 | 1-1/8 |
| WTPI600-4N-AA | WTPI600E-4N-AA | 6 | 2 | 3 | 3-3/8 | 3 | 1 | 5/8 |
| WTPI600-4N4-AA | WTPI600E-4N4-AA | 6 | 2 | 4 | 3-3/8 | 4 | 1 | 1-1/8 |

* Cross Design

© 2011, AFL, all rights reserved. PP-3-00568, Revision 4, 1.9.2025
Specifications are subject to change without notice.

# TYPE WTPIC-N-AA

## Internal Center Formed Welded Terminal

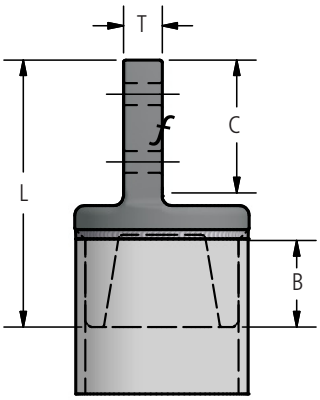


### Material

Aluminum Alloy

### Notes

1. Add "U" for undrilled. EX: WTPIC100-2NU-AA
2. Add "F" for finished on both sides. EX: WTPIC100-2NF-AA



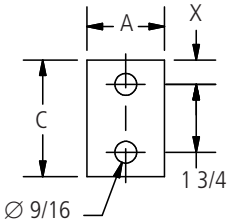




FIG. 1

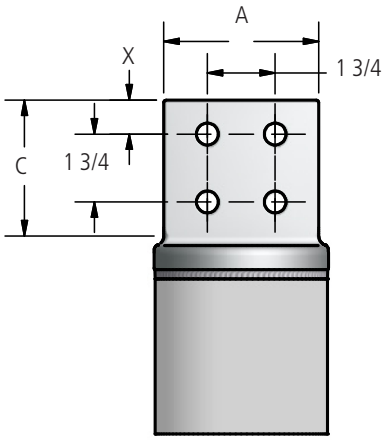



FIG. 2

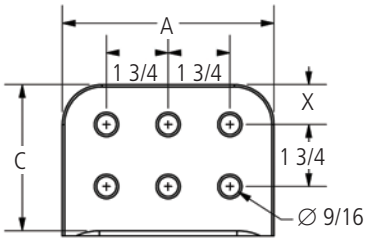



FIG. 3

### Ordering Information

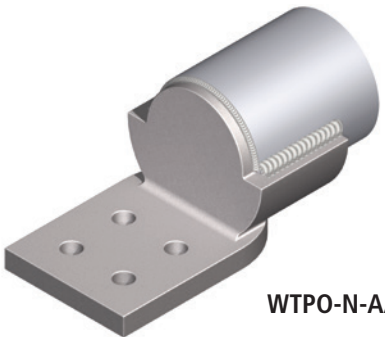
| Catalog Number | | SPS | Figure Number | Dimensions in Inches | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| SCH 40 | SCH 80 | | | A | B | C | L | T | X |
| WTPIC100-2N-AA | WTPIC100E-2N-AA | 1 | 1 | 2 | 3/4 | 3 | 4 1/4 | 3/8 | 5/8 |
| WTPIC100-4N-AA | WTPIC100E-4N-AA | 1 | 2 | 3 | 3/4 | 3 | 4 1/4 | 3/8 | 5/8 |
| WTPIC150-2N-AA | WTPIC150E-2N-AA | 1-1/2 | 2 | 2 | 1 | 3 | 4 1/2 | 1/2 | 5/8 |
| WTPIC150-4N-AA | WTPIC150E-4N-AA | 1-1/2 | 1 | 3 | 1 | 3 | 4 1/2 | 1/2 | 5/8 |
| WTPIC200-2N-AA | WTPIC200E-2N-AA | 2 | 2 | 2 | 1 1/4 | 3 | 5 1/4 | 5/8 | 5/8 |
| WTPIC200-4N4-AA | WTPIC200E-4N4-AA | 2 | 1 | 4 | 1 1/4 | 4 | 6 1/4 | 5/8 | 1 1/8 |
| WTPIC200-4N-AA | WTPIC200E-4N-AA | 2 | 2 | 3 | 1 1/4 | 3 | 5 1/4 | 5/8 | 5/8 |
| WTPIC250-2N-AA | WTPIC250E-2N-AA | 2-1/2 | 2 | 2 | 1 1/2 | 3 | 5 1/2 | 5/8 | 5/8 |
| WTPIC250-4N4-AA | WTPIC250E-4N4-AA | 2-1/2 | 1 | 4 | 1 1/2 | 4 | 6 1/2 | 5/8 | 1 1/8 |
| WTPIC250-4N-AA | WTPIC250E-4N-AA | 2-1/2 | 2 | 3 | 1 1/2 | 3 | 5 1/2 | 5/8 | 5/8 |
| WTPIC300-4N4-AA | WTPIC300E-4N4-AA | 3 | 2 | 4 | 1 3/4 | 4 | 6 3/4 | 5/8 | 1 1/8 |
| WTPIC300-4N-AA | WTPIC300E-4N-AA | 3 | 2 | 3 | 1 3/4 | 3 | 5 3/4 | 5/8 | 5/8 |
| WTPIC350-4N4-AA | WTPIC350E-4N4-AA | 3-1/2 | 2 | 4 | 2 | 4 | 7 1/4 | 3/4 | 1 1/8 |
| WTPIC350-4N-AA | WTPIC350E-4N-AA | 3-1/2 | 2 | 3 | 2 | 3 | 6 1/4 | 3/4 | 5/8 |
| WTPIC400-4N4-AA | WTPIC400E-4N4-AA | 4 | 2 | 4 | 2 1/4 | 4 | 7 1/4 | 3/4 | 1 1/8 |
| WTPIC400-4N-AA | WTPIC400E-4N-AA | 4 | 2 | 3 | 2 1/4 | 3 | 6 1/4 | 3/4 | 5/8 |
| WTPIC500-4N4-AA | WTPIC500E-4N4-AA | 5 | 2 | 4 | 2 1/2 | 4 | 8 1/8 | 7/8 | 1 1/8 |
| WTPIC500-4N-AA | WTPIC500E-4N-AA | 5 | 2 | 3 | 2 1/2 | 3 | 7 1/8 | 7/8 | 5/8 |
| WTPIC600-4N4-AA | WTPIC600E-4N4-AA | 6 | 2 | 4 | 3 3/8 | 4 | 8 3/4 | 1 | 1 1/8 |
| WTPIC600-6N4-AA | WTPIC600E-6N4-AA | 6 | 3 | 6 | 3 3/8 | 4 | 9 7/16 | 1 | 1 1/8 |
| WTPIC800-4N4-AA | WTPIC800E-4N4-AA | 8 | 2 | 4 | 3 3/8 | 4 | 8 3/4 | 1 1/8 | 1 1/8 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2011, AFL, all rights reserved. PP-3-00569, Revision 3, 1.9.2025
Specifications are subject to change without notice.

# TYPE WTPO-N-AA, WTPOA-N-45-AA, WTPOA-N-90-AA

WTPO-N-AA flush half sleeve welded terminal, WTPOA-N-45-AA flush 45° half sleeve welded terminal, and WTPOA-N-90-AA flush 90° half sleeve welded terminal.



WTPO-N-AA



WTPOA-N-90-AA

## Material

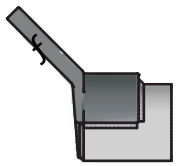
Aluminum Alloy

## Notes

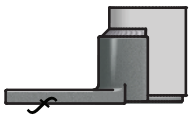
1. To specify contact finish on top surface of pad in addition to bottom surface add letter "F" to the catalog number. Ex: 2NF - 4NF - 4N4F.
2. For a 45° flush half sleeve terminal, 2" SPS, and 4", 4 hole NEMA pad order: WTPOA200-4N4-45-AA.
3. For a 90° flush half sleeve terminal, 2" SPS, and 4", 4 hole NEMA pad finished on both sides order: WTPOA200-4N4F-90-AA.



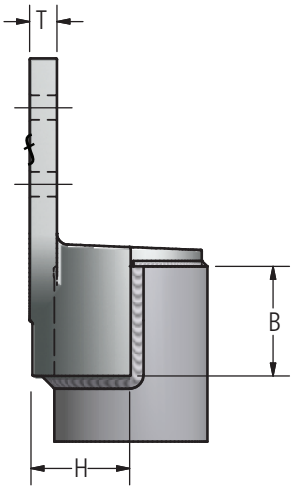
WTPO-N-AA



WTPOA-N-45-AA



WTPOA-N-90-AA



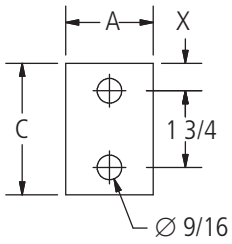




FIG. 1

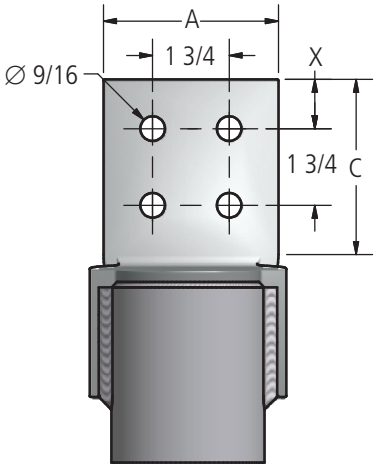



FIG. 2

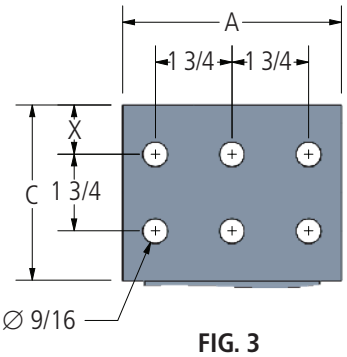



FIG. 3

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

*continued*

© 2011, AFL, all rights reserved. PP-3-00572, Revision 6, 1.9.2025
Specifications are subject to change without notice.

# TYPE WTPO-N-AA, WTPOA-N-45-AA, WTPOA-N-90-AA

## Ordering Information

| SPS | Catalog Number | Figure Number | Angle | Dimensions in Inches | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | C | H | T | X |
| 3/4 | WTPO75-2N-AA | 1 | - | 1 5/8 | 1 | 3 | 1 | 3/8 | 5/8 |
| 3/4 | WTPOA75-2N-45-AA | 1 | 45° | 1 5/8 | 1 | 3 | - | 3/8 | 5/8 |
| 3/4 | WTPOA75-2N-90-AA | 1 | 90° | 1 5/8 | 1 | 3 | - | 3/8 | 5/8 |
| 3/4 | WTPO75-4N-AA | 2 | - | 3 | 1 | 3 | 1 | 3/8 | 5/8 |
| 3/4 | WTPOA75-4N-45-AA | 2 | 45° | 3 | 1 | 3 | - | 3/8 | 5/8 |
| 3/4 | WTPOA75-4N-90-AA | 2 | 90° | 3 | 1 | 3 | - | 3/8 | 5/8 |
| 1 | WTPO100-2N-AA | 1 | - | 1 15/16 | 1 1/8 | 3 | 1 3/16 | 3/8 | 5/8 |
| 1 | WTPOA100-2N-45-AA | 1 | 45° | 1 15/16 | 1 1/8 | 3 | - | 3/8 | 5/8 |
| 1 | WTPOA100-2N-90-AA | 1 | 90° | 1 15/16 | 1 1/4 | 3 | - | 3/8 | 5/8 |
| 1 | WTPO100-4N-AA | 2 | - | 3 | 1 1/8 | 3 | 1 3/16 | 3/8 | 5/8 |
| 1 | WTPOA100-4N-45-AA | 2 | 45° | 3 | 1 1/8 | 3 | - | 3/8 | 5/8 |
| 1 | WTPOA100-4N-90-AA | 2 | 90° | 3 | 1 1/4 | 3 | - | 3/8 | 5/8 |
| 1 1/4 | WTPO125-2N-AA | 1 | - | 2 | 1 3/8 | 3 | 1 3/8 | 3/8 | 5/8 |
| 1 1/4 | WTPOA125-2N-45-AA | 1 | 45° | 2 | 1 3/8 | 3 | - | 3/8 | 5/8 |
| 1 1/4 | WTPOA125-2N-90-AA | 1 | 90° | 2 | 1 3/8 | 3 | - | 1/2 | 5/8 |
| 1 1/4 | WTPO125-4N-AA | 2 | - | 3 | 1 3/8 | 3 | 1 3/8 | 7/16 | 5/8 |
| 1 1/4 | WTPOA125-4N-45-AA | 2 | 45° | 3 | 1 3/8 | 3 | - | 7/16 | 5/8 |
| 1 1/4 | WTPOA125-4N-90-AA | 2 | 90° | 3 | 1 3/8 | 3 | - | 1/2 | 5/8 |
| 1 1/4 | WTPOA125-4N4-90-AA | 2 | 90° | 4 | 1 3/8 | 4 | - | 1/2 | 1 1/8 |
| 1 1/2 | WTPO150-2N-AA | 1 | - | 2 | 1 5/8 | 3 | 1 15/32 | 7/16 | 5/8 |
| 1 1/2 | WTPOA150-2N-45-AA | 1 | 45° | 2 | 1 5/8 | 3 | - | 1/2 | 5/8 |
| 1 1/2 | WTPOA150-2N-90-AA | 1 | 90° | 2 | 1 5/8 | 3 | - | 1/2 | 5/8 |
| 1 1/2 | WTPO150-4N-AA | 2 | - | 3 | 1 5/8 | 3 | 1 15/32 | 1/2 | 5/8 |
| 1 1/2 | WTPOA150-4N-45-AA | 2 | 45° | 3 | 1 5/8 | 3 | - | 1/2 | 5/8 |
| 1 1/2 | WTPOA150-4N-90-AA | 2 | 90° | 3 | 1 5/8 | 3 | - | 1/2 | 5/8 |
| 1 1/2 | WTPO150-4N4-AA | 2 | - | 4 | 1 5/8 | 4 | 1 15/32 | 1/2 | 1 1/8 |
| 1 1/2 | WTPOA150-4N4-45-AA | 2 | 45° | 4 | 1 5/8 | 4 | - | 1/2 | 1 1/8 |
| 1 1/2 | WTPOA150-4N4-90-AA | 2 | 90° | 4 | 1 5/8 | 4 | - | 1/2 | 1 1/8 |
| 2 | WTPO200-2N-AA | 1 | - | 2 | 1 7/8 | 3 | 1 23/32 | 7/16 | 5/8 |
| 2 | WTPOA200-2N-45-AA | 1 | 45° | 2 | 1 7/8 | 3 | - | 7/16 | 5/8 |
| 2 | WTPOA200-2N-90-AA | 1 | 90° | 2 | 1 7/8 | 3 | - | 1/2 | 5/8 |
| 2 | WTPO200-4N-AA | 2 | - | 3 | 1 7/8 | 3 | 1 23/32 | 1/2 | 5/8 |
| 2 | WTPOA200-4N-45-AA | 2 | 45° | 3 | 1 7/8 | 3 | - | 1/2 | 5/8 |
| 2 | WTPOA200-4N-90-AA | 2 | 90° | 3 | 1 7/8 | 3 | - | 7/16 | 5/8 |
| 2 | WTPO200-4N4-AA | 2 | - | 4 | 1 7/8 | 4 | 1 23/32 | 1/2 | 1 1/8 |
| 2 | WTPOA200-4N4-45-AA | 2 | 45° | 4 | 1 7/8 | 4 | - | 1/2 | 1 1/8 |
| 2 | WTPOA200-4N4-90-AA | 2 | 90° | 4 | 1 7/8 | 4 | - | 7/16 | 1 1/8 |
| 2 1/2 | WTPO250-2N-AA | 1 | - | 2 | 2 1/4 | 3 | 1 31/32 | 5/8 | 5/8 |
| 2 1/2 | WTPOA250-2N-45-AA | 1 | 45° | 2 | 2 1/4 | 3 | - | 5/8 | 5/8 |
| 2 1/2 | WTPOA250-2N-90-AA | 1 | 90° | 2 | 2 1/4 | 3 | - | 5/8 | 5/8 |
| 2 1/2 | WTPO250-4N-AA | 2 | - | 3 | 2 1/4 | 3 | 1 31/32 | 5/8 | 5/8 |
| 2 1/2 | WTPOA250-4N-45-AA | 2 | 45° | 3 | 2 1/4 | 3 | - | 5/8 | 5/8 |
| 2 1/2 | WTPOA250-4N-90-AA | 2 | 90° | 3 | 2 1/4 | 3 | - | 5/8 | 5/8 |
| 2 1/2 | WTPO250-4N4-AA | 2 | - | 4 | 2 1/4 | 4 | 1 31/32 | 5/8 | 1 1/8 |
| 2 1/2 | WTPOA250-4N4-45-AA | 2 | 45° | 4 | 2 1/4 | 4 | - | 5/8 | 1 1/8 |
| 2 1/2 | WTPOA250-4N4-90-AA | 2 | 90° | 4 | 2 1/4 | 4 | - | 5/8 | 1 1/8 |
| 3 | WTPO300-2N-AA | 1 | - | 2 | 2 1/2 | 3 | 2 11/32 | 5/8 | 5/8 |
| 3 | WTPOA300-2N-45-AA | 1 | 45° | 2 | 2 1/2 | 3 | - | 5/8 | 5/8 |
| 3 | WTPOA300-2N-90-AA | 1 | 90° | 2 | 2 1/2 | 3 | - | 5/8 | 5/8 |

*continued*

© 2011, AFL, all rights reserved. PP-3-00572, Revision 6, 1.9.2025
Specifications are subject to change without notice.

# TYPE WTPO-N-AA, WTPOA-N-45-AA, WTPOA-N-90-AA

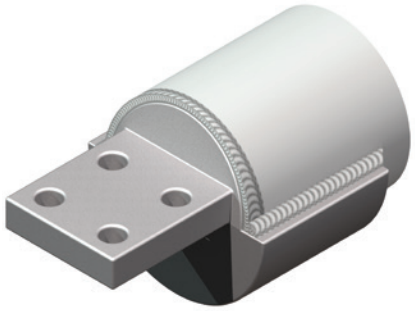
## Ordering Information

| SPS | Catalog Number | Figure Number | Angle | Dimensions in Inches | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | C | H | T | X |
| 3 | WTPO300-4N-AA | 2 | - | 3 | 2 1/2 | 3 | 2 11/32 | 5/8 | 5/8 |
| 3 | WTPOA300-4N-45-AA | 2 | 45° | 3 | 2 1/2 | 3 | - | 5/8 | 5/8 |
| 3 | WTPOA300-4N-90-AA | 2 | 90° | 3 | 2 1/2 | 3 | - | 5/8 | 5/8 |
| 3 | WTPO300-4N4-AA | 2 | - | 4 | 2 1/2 | 4 | 2 11/32 | 5/8 | 1 1/8 |
| 3 | WTPOA300-4N4-45-AA | 2 | 45° | 4 | 2 1/2 | 4 | - | 5/8 | 1 1/8 |
| 3 | WTPOA300-4N4-90-AA | 2 | 90° | 4 | 2 1/2 | 4 | - | 5/8 | 1 1/8 |
| 3 1/2 | WTPO350-2N-AA | 1 | - | 2 | 3 | 3 | 2 19/32 | 3/4 | 5/8 |
| 3 1/2 | WTPOA350-2N-45-AA | 1 | 45° | 2 | 3 | 3 | - | 3/4 | 5/8 |
| 3 1/2 | WTPOA350-2N-90-AA | 1 | 90° | 2 | 3 | 3 | - | 3/4 | 5/8 |
| 3 1/2 | WTPO350-4N-AA | 2 | - | 3 | 3 | 3 | 2 19/32 | 3/4 | 5/8 |
| 3 1/2 | WTPOA350-4N-45-AA | 2 | 45° | 3 | 3 | 3 | - | 3/4 | 5/8 |
| 3 1/2 | WTPOA350-4N-90-AA | 2 | 90° | 3 | 3 | 3 | - | 3/4 | 5/8 |
| 3 1/2 | WTPO350-4N4-AA | 2 | - | 4 | 3 | 4 | 2 19/32 | 3/4 | 1 1/8 |
| 3 1/2 | WTPOA350-4N4-45-AA | 2 | 45° | 4 | 3 | 4 | - | 3/4 | 1 1/8 |
| 3 1/2 | WTPOA350-4N4-90-AA | 2 | 90° | 4 | 3 | 4 | - | 3/4 | 1 1/8 |
| 3 1/2 | WTPO350-5N4-AA | 3 | - | 5 | 3 | 4 | 2 19/32 | 3/4 | 1 1/8 |
| 3 1/2 | WTPOA350-5N4-45-AA | 3 | 45° | 5 | 3 | 4 | - | 3/4 | 1 1/8 |
| 3 1/2 | WTPOA350-5N4-90-AA | 3 | 90° | 5 | 3 | 4 | - | 3/4 | 1 1/8 |
| 4 | WTPO400-2N-AA | 1 | - | 2 | 3 1/2 | 3 | 2 27/32 | 3/4 | 5/8 |
| 4 | WTPOA400-2N-45-AA | 1 | 45° | 2 | 3 1/2 | 3 | - | 3/4 | 5/8 |
| 4 | WTPOA400-2N-90-AA | 1 | 90° | 2 | 3 3/4 | 3 | - | 3/4 | 5/8 |
| 4 | WTPO400-4N-AA | 2 | - | 3 | 3 1/2 | 3 | 2 27/32 | 3/4 | 5/8 |
| 4 | WTPOA400-4N-45-AA | 2 | 45° | 3 | 3 1/2 | 3 | - | 3/4 | 5/8 |
| 4 | WTPOA400-4N-90-AA | 2 | 90° | 3 | 3 3/4 | 3 | - | 3/4 | 5/8 |
| 4 | WTPO400-4N4-AA | 2 | - | 4 | 3 1/2 | 4 | 2 27/32 | 3/4 | 1 1/8 |
| 4 | WTPOA400-4N4-45-AA | 2 | 45° | 4 | 3 1/2 | 4 | - | 3/4 | 1 1/8 |
| 4 | WTPOA400-4N4-90-AA | 2 | 90° | 4 | 3 3/4 | 4 | - | 3/4 | 1 1/8 |
| 5 | WTPO500-2N-AA | 1 | - | 2 | 3 1/2 | 3 | 3 3/8 | 3/4 | 5/8 |
| 5 | WTPOA500-2N-45-AA | 1 | 45° | 2 | 3 1/2 | 3 | - | 3/4 | 5/8 |
| 5 | WTPOA500-2N-90-AA | 1 | 90° | 2 | 3 1/2 | 3 | - | 3/4 | 5/8 |
| 5 | WTPO500-4N-AA | 2 | - | 3 | 3 1/2 | 3 | 3 3/8 | 3/4 | 5/8 |
| 5 | WTPOA500-4N-90-AA | 2 | 90° | 3 | 3 1/2 | 3 | - | 7/8 | 5/8 |
| 5 | WTPOA500-4N-45-AA | 2 | 45° | 3 | 4 | 3 | - | 7/8 | 5/8 |
| 5 | WTPO500-4N4-AA | 2 | - | 4 | 3 1/2 | 4 | 3 3/8 | 3/4 | 1 1/8 |
| 5 | WTPOA500-4N4-45-AA | 2 | 45° | 4 | 3 1/2 | 4 | - | 3/4 | 1 1/8 |
| 5 | WTPOA500-4N4-90-AA | 2 | 90° | 4 | 3 1/2 | 4 | - | 7/8 | 1 1/8 |
| 5 | WTPO500-6N4-AA | 3 | - | 6 | 3 1/2 | 4 | 3 3/8 | 3/4 | 1 1/8 |
| 5 | WTPOA500-6N4-45-AA | 3 | 45° | 6 | 3 1/2 | 4 | - | 3/4 | 1 1/8 |
| 5 | WTPOA500-6N4-90-AA | 3 | 90° | 6 | 3 1/2 | 4 | - | 3/4 | 1 1/8 |
| 6 | WTPO600-4N4-AA | 2 | - | 4 | 3 5/8 | 4 | 3 3/8 | 1 | 1 1/8 |
| 6 | WTPOA600-4N4-45-AA | 2 | 45° | 4 | 3 5/8 | 4 | - | 1 | 1 1/8 |
| 6 | WTPOA600-4N4-90-AA | 2 | 90° | 4 | 3 5/8 | 4 | - | 1 | 1 1/8 |

© 2011, AFL, all rights reserved. PP-3-00572, Revision 6, 1.9.2025
Specifications are subject to change without notice.

# TYPE WTPOC-AA

## Welded Terminal Lug

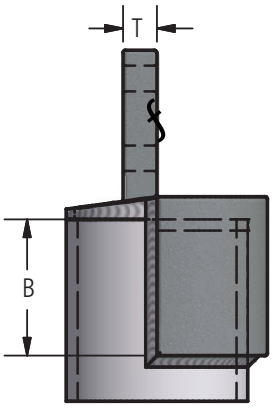


### Material

Aluminum Alloy

### Notes

1. Add suffix "F" to the catalog number to add contact finish to both pad surfaces. EX: WTPOC200-2NF-AA



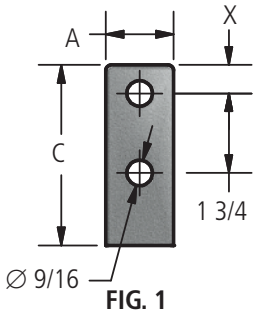




FIG. 1

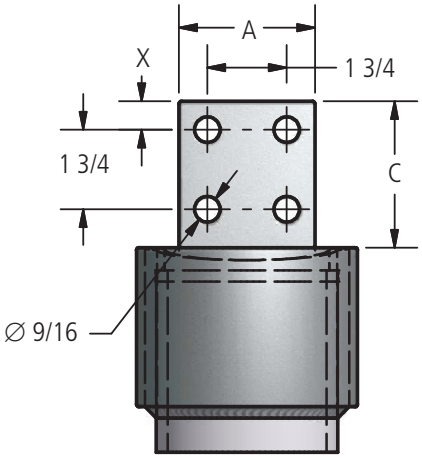



FIG. 2

### Ordering Information

| Catalog Number | SPS | Figure Number | Dimensions in Inches | | | | |
|---|---|---|---|---|---|---|---|
| | | | A | B | C | T | X |
| WTPOC100-2N-AA | 1 | 1 | 2 | 1 1/8 | 3 | 3/8 | 5/8 |
| WTPOC100-4N-AA | 1 | 2 | 3 | 1 1/8 | 3 | 3/8 | 5/8 |
| WTPOC125-2N-AA | 1-1/4 | 1 | 2 | 1 3/8 | 3 | 3/8 | 5/8 |
| WTPOC125-4N-AA | 1-1/4 | 2 | 3 | 1 3/8 | 3 | 3/8 | 5/8 |
| WTPOC150-2N-AA | 1-1/2 | 1 | 2 | 1 5/8 | 3 | 1/2 | 5/8 |
| WTPOC150-4N-AA | 1-1/2 | 2 | 3 | 1 5/8 | 3 | 3/8 | 5/8 |
| WTPOC150-4N4-AA | 1-1/2 | 2 | 4 | 1 5/8 | 4 | 3/8 | 1 1/8 |
| WTPOC200-2N-AA | 2 | 1 | 2 | 1 7/8 | 3 | 1/2 | 5/8 |
| WTPOC200-4N-AA | 2 | 2 | 3 | 1 7/8 | 3 | 1/2 | 5/8 |
| WTPOC200-4N4-AA | 2 | 2 | 4 | 1 7/8 | 4 | 1/2 | 1 1/8 |
| WTPOC250-2N-AA | 2-1/2 | 1 | 2 | 2 1/4 | 3 | 1/2 | 5/8 |
| WTPOC250-4N-AA | 2-1/2 | 2 | 3 | 2 1/4 | 3 | 1/2 | 5/8 |
| WTPOC250-4N4-AA | 2-1/2 | 2 | 4 | 2 1/4 | 4 | 1/2 | 1 1/8 |
| WTPOC300-2N-AA | 3 | 1 | 2 | 2 1/2 | 3 | 5/8 | 5/8 |
| WTPOC300-4N-AA | 3 | 2 | 3 | 2 1/2 | 3 | 5/8 | 5/8 |
| WTPOC300-4N4-AA | 3 | 2 | 4 | 2 1/2 | 4 | 5/8 | 1 1/8 |
| WTPOC350-2N-AA | 3-1/2 | 1 | 2 | 3 | 3 | 3/4 | 5/8 |
| WTPOC350-4N-AA | 3-1/2 | 2 | 3 | 3 | 3 | 3/4 | 5/8 |
| WTPOC350-4N4-AA | 3-1/2 | 2 | 4 | 3 | 4 | 3/4 | 1 1/8 |
| WTPOC400-2N-AA | 4 | 1 | 2 | 3 1/2 | 3 | 3/4 | 5/8 |
| WTPOC400-4N-AA | 4 | 2 | 3 | 3 1/2 | 3 | 3/4 | 5/8 |
| WTPOC400-4N4-AA | 4 | 2 | 4 | 3 1/2 | 4 | 3/4 | 1 1/8 |
| WTPOC500-4N-AA | 5 | 2 | 3 | 3 1/2 | 3 | 7/8 | 5/8 |
| WTPOC500-4N4-AA | 5 | 2 | 4 | 3 1/2 | 4 | 3/4 | 1 1/8 |
| WTPOC600-4N4-AA | 6 | 2 | 4 | 3 1/2 | 4 | 1 | 1 1/8 |
| WTPOC800R-4N4-AA | 8" O.D. | 2 | 4 | 3 1/2 | 4 | 1 | 1 1/8 |
| WTPOC800-4N4-AA | 8 | 2 | 4 | 3 1/2 | 4 | 1 | 1 1/8 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

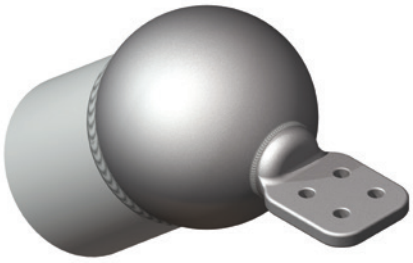
© 2011, AFL, all rights reserved. PP-3-00571, Revision 4, 2.24.2026
Specifications are subject to change without notice.



AFL | AFLglobal.com
1 (800) 890-8878

# TYPE WWSC-N-AA

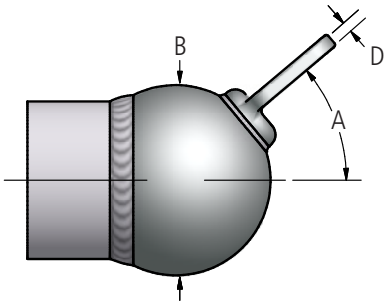
WWSC-AA is a variable angle terminal for aluminum pipe conductor. The angle is limited based on conductor diameter.



**Note:**
Terminal Packaged Separately Field Weld Required

## Material

Aluminum Alloy



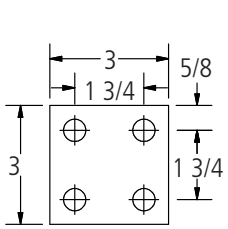




FIG. 1

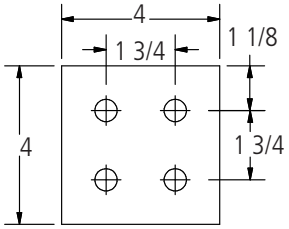



FIG. 2

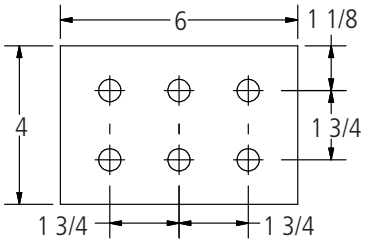



FIG. 3

## Ordering Information

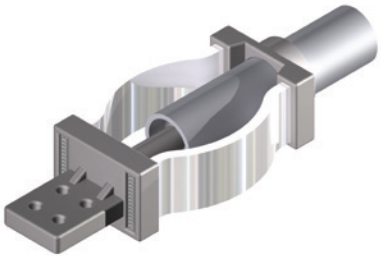
| Catalog Number | Fig. No. | Catalog Number | Fig. No. | Catalog Number | Fig. No. | SPS | Dimensions in Inches | | | Max kV |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | A° (Max) | B | D | |
| WWSC500-4N-AA | 1 | WWSC500-4N4-AA | 2 | WWSC500-6N4-AA | 3 | 1 1/2 | 130 | 5 | 5/16 | 230 |
| WWSC500-4N-AA | 1 | WWSC500-4N4-AA | 2 | WWSC500-6N4-AA | 3 | 2 | 125 | 5 | 5/16 | 230 |
| WWSC500-4N-AA | 1 | WWSC500-4N4-AA | 2 | WWSC500-6N4-AA | 3 | 2 1/2 | 120 | 5 | 5/16 | 230 |
| WWSC500-4N-AA | 1 | WWSC500-4N4-AA | 2 | WWSC500-6N4-AA | 3 | 3 | 110 | 5 | 5/16 | 230 |
| WWSC500-4N-AA | 1 | WWSC500-4N4-AA | 2 | WWSC500-6N4-AA | 3 | 3 1/2 | 100 | 5 | 5/16 | 230 |
| WWSC500-4N-AA | 1 | WWSC500-4N4-AA | 2 | WWSC500-6N4-AA | 3 | 4 | 90 | 5 | 5/16 | 230 |
| WWSC800-4N-AA | 1 | WWSC800-4N4-AA | 2 | WWSC800-6N4-AA | 3 | 3 | 120 | 8 | 7/16 | 345 |
| WWSC800-4N-AA | 1 | WWSC800-4N4-AA | 2 | WWSC800-6N4-AA | 3 | 3 1/2 | 120 | 8 | 7/16 | 345 |
| WWSC800-4N-AA | 1 | WWSC800-4N4-AA | 2 | WWSC800-6N4-AA | 3 | 4 | 110 | 8 | 7/16 | 345 |
| WWSC800-4N-AA | 1 | WWSC800-4N4-AA | 2 | WWSC800-6N4-AA | 3 | 5 | 110 | 8 | 7/16 | 345 |
| WWSC800-4N-AA | 1 | WWSC800-4N4-AA | 2 | WWSC800-6N4-AA | 3 | 6 | 100 | 8 | 7/16 | 345 |
| WWSC800-4N-AA | 1 | WWSC800-4N4-AA | 2 | WWSC800-6N4-AA | 3 | 8 OD | 65 | 8 | 7/16 | 345 |
| WWSC1200-4N-AA | 1 | WWSC1200-4N4-AA | 2 | WWSC1200-6N4-AA | 3 | 4 | 140 | 12 | 3/8 | 500 |
| WWSC1200-4N-AA | 1 | WWSC1200-4N4-AA | 2 | WWSC1200-6N4-AA | 3 | 5 | 135 | 12 | 3/8 | 500 |
| WWSC1200-4N-AA | 1 | WWSC1200-4N4-AA | 2 | WWSC1200-6N4-AA | 3 | 6 | 130 | 12 | 3/8 | 500 |
| WWSC1200-4N-AA | 1 | WWSC1200-4N4-AA | 2 | WWSC1200-6N4-AA | 3 | 8 OD | 120 | 12 | 3/8 | 500 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2010, AFL, all rights reserved. PP-3-00580, Revision 3, 2.16.2026
Specifications are subject to change without notice.

# TYPE WXL-90V-AA

## Expansion Terminal Connector



### Material
Aluminum Alloy

### Laminates
Pure Aluminum

### Notes
- If alignment guide is not needed add "P" to the catalog number. EX: WXL200P-4N4-90V-AA

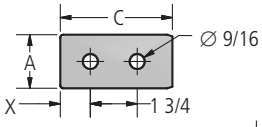



FIG. 1

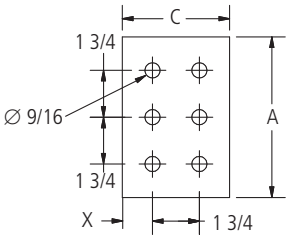



FIG. 3

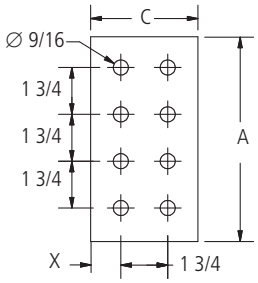



FIG. 4

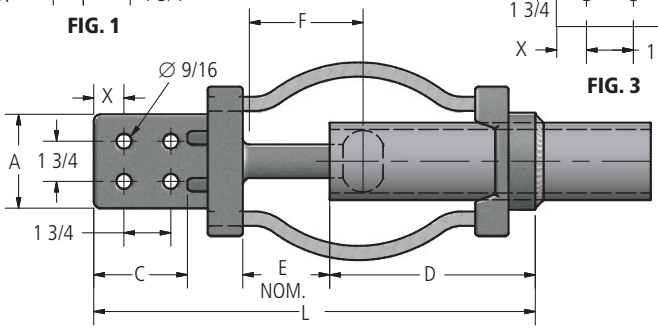
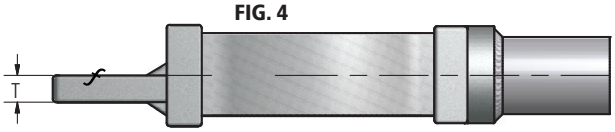



FIG. 2




## Ordering Information

| Catalog Number | | SPS | Fig. No. | Dimensions in Inches | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCH 40 | SCH 80 | | | A | C | D | E | F | L | T | X |
| WXL100-2N-90V-AA | WXL100E-2N-90V-AA | 1 | 1 | 1-1/2 | 3 | 5-1/8 | 1-1/2 | 3-1/4 | 10-5/8 | 1/2 | 5/8 |
| WXL100-4N-90V-AA | WXL100E-4N-90V-AA | 1 | 2 | 3 | 3 | 5-1/8 | 1-1/2 | 3-1/4 | 10-5/8 | 1/2 | 5/8 |
| WXL100-4N4-90V-AA | WXL100E-4N4-90V-AA | 1 | 2 | 4 | 4 | 5-1/8 | 1-1/2 | 3-1/4 | 12-1/8 | 1/2 | 1-1/8 |
| WXL125-2N-90V-AA | WXL125E-2N-90V-AA | 1 1/4 | 1 | 2 1/4 | 3 | 6 | 1-1/2 | 3-1/2 | 11-1/2 | 1/2 | 5/8 |
| WXL125-4N-90V-AA | WXL125E-4N-90V-AA | 1 1/4 | 2 | 3 | 3 | 6 | 1-1/2 | 3-1/2 | 11-1/2 | 1/2 | 5/8 |
| WXL150-2N-90V-AA | WXL150E-2N-90V-AA | 1-1/2 | 1 | 2-1/2 | 3 | 7-1/8 | 1-1/2 | 3-1/2 | 12-3/4 | 5/8 | 5/8 |
| WXL150-4N-90V-AA | WXL150E-4N-90V-AA | 1-1/2 | 2 | 3 | 3 | 7-1/8 | 1-1/2 | 3-1/2 | 12-3/4 | 5/8 | 5/8 |
| WXL200-2N-90V-AA | WXL200E-2N-90V-AA | 2 | 1 | 3 | 3 | 7-3/16 | 2-1/2 | 4-1/2 | 14-3/8 | 3/4 | 5/8 |
| WXL200-4N-90V-AA | WXL200E-4N-90V-AA | 2 | 2 | 3 | 3 | 7-3/16 | 2-1/2 | 4-1/2 | 14-3/8 | 3/4 | 5/8 |
| WXL200-4N4-90V-AA | WXL200E-4N4-90V-AA | 2 | 2 | 4 | 4 | 7-3/16 | 2-1/2 | 4-1/2 | 15-3/8 | 3/4 | 1-1/8 |
| WXL250-2N-90V-AA | WXL250E-2N-90V-AA | 2-1/2 | 1 | 3 | 3 | 7-11/16 | 2-1/2 | 4-1/2 | 14-7/8 | 3/4 | 5/8 |
| WXL250-4N-90V-AA | WXL250E-4N-90V-AA | 2-1/2 | 2 | 3 | 3 | 7-11/16 | 2-1/2 | 4-1/2 | 14-7/8 | 3/4 | 5/8 |
| WXL250-4N4-90V-AA | WXL250E-4N4-90V-AA | 2-1/2 | 2 | 4 | 4 | 7-11/16 | 2-1/2 | 4-1/2 | 15-7/8 | 3/4 | 1-1/8 |
| WXL300-2N-90V-AA | WXL300E-2N-90V-AA | 3 | 1 | 3 | 3 | 8-3/16 | 2-1/2 | 4-1/2 | 16 | 7/8 | 5/8 |
| WXL300-4N-90V-AA | WXL300E-4N-90V-AA | 3 | 2 | 3 | 3 | 8-3/16 | 2-1/2 | 4-1/2 | 16 | 7/8 | 5/8 |
| WXL300-4N4-90V-AA | WXL300E-4N4-90V-AA | 3 | 2 | 4 | 4 | 8-3/16 | 2-1/2 | 4-1/2 | 17 | 7/8 | 1-1/8 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

*continued*

© 2011, AFL, all rights reserved. PP-3-00584, Revision 8, 9.26.2025
Specifications are subject to change without notice.

# TYPE WXL-90V-AA

## Expansion Terminal Connector

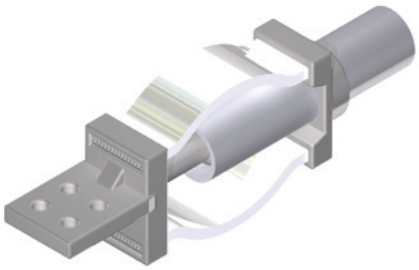
### Ordering Information (cont.)

| Catalog Number | | SPS | Fig. No. | Dimensions in Inches | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SCH 40 | SCH 80 | | | A | C | D | E | F | L | T | X |
| WXL350-2N-90V-AA | WXL350E-2N-90V-AA | 3-1/2 | 1 | 3 | 3 | 9-3/4 | 2-1/2 | 4-1/2 | 17-5/16 | 7/8 | 5/8 |
| WXL350-4N-90V-AA | WXL350E-4N-90V-AA | 3-1/2 | 2 | 3 | 3 | 9-3/4 | 2-1/2 | 4-1/2 | 17-5/16 | 7/8 | 5/8 |
| WXL350-4N4-90V-AA | WXL350E-4N4-90V-AA | 3-1/2 | 2 | 4 | 4 | 9-3/4 | 2-1/2 | 4-1/2 | 18-5/16 | 7/8 | 1-1/8 |
| WXL350-6N4-90V-AA | WXL350E-6N4-90V-AA | 3-1/2 | 3 | 6 | 4 | 9 3/4 | 2 1/2 | 4 1/2 | 18 5/16 | 3/4 | 1 1/8 |
| WXL400-2N-90V-AA | WXL400E-2N-90V-AA | 4 | 1 | 3 | 3 | 10 | 2-1/2 | 4-1/2 | 18 | 1 | 5/8 |
| WXL400-4N-90V-AA | WXL400E-4N-90V-AA | 4 | 2 | 3 | 3 | 10 | 2-1/2 | 4-1/2 | 18 | 1 | 5/8 |
| WXL400-4N4-90V-AA | WXL400E-4N4-90V-AA | 4 | 2 | 4 | 4 | 10 | 2-1/2 | 4-1/2 | 19 | 1 | 1-1/8 |
| WXL400-6N4-90V-AA | WXL400E-6N4-90V-AA | 4 | 3 | 6 | 4-1/2 | 10 | 2-1/2 | 4-1/2 | 16-1/2 | 3/4 | 1-1/8 |
| WXL500-4N-90V-AA | WXL500E-4N-90V-AA | 5 | 2 | 3 | 3 | 10 | 2-1/2 | 4-1/2 | 18 | 1-1/4 | 5/8 |
| WXL500-4N4-90V-AA | WXL500E-4N4-90V-AA | 5 | 2 | 4 | 4 | 10 | 2-1/2 | 4-1/2 | 19 | 1-1/4 | 1-1/8 |
| WXL500-6N4-90V-AA | WXL500E-6N4-90V-AA | 5 | 3 | 6 | 4 | 10 | 2-1/2 | 4-1/2 | 19 | 1-1/4 | 1-1/8 |
| WXL600-4N-90V-AA | WXL600E-4N-90V-AA | 6 | 2 | 3 | 3 | 6-9/16 | 2-1/2 | 5-3/16 | 13-9/16 | 1-1/8 | 5/8 |
| WXL600-4N4-90V-AA | WXL600E-4N4-90V-AA | 6 | 2 | 4 | 4 | 6-9/16 | 2-1/2 | 5-3/16 | 14-9/16 | 1-1/8 | 1-1/8 |
| WXL600-6N4-90V-AA | WXL600E-6N4-90V-AA | 6 | 3 | 6 | 4 | 6-9/16 | 2-1/2 | 5-3/16 | 14-9/16 | 1-1/8 | 1-1/8 |
| WXL600-8N4-90V-AA | WXL600E-8N4-90V-AA | 6 | 4 | 8 | 4 | 6-9/16 | 2 1/2 | 5-3/16 | 14-9/16 | 1 | 1 1/8 |

© 2011, AFL, all rights reserved. PP-3-00584, Revision 8, 9.26.2025
Specifications are subject to change without notice.

# TYPE WXL-AA, WXL-E-AA

## Expansion Terminal Connector

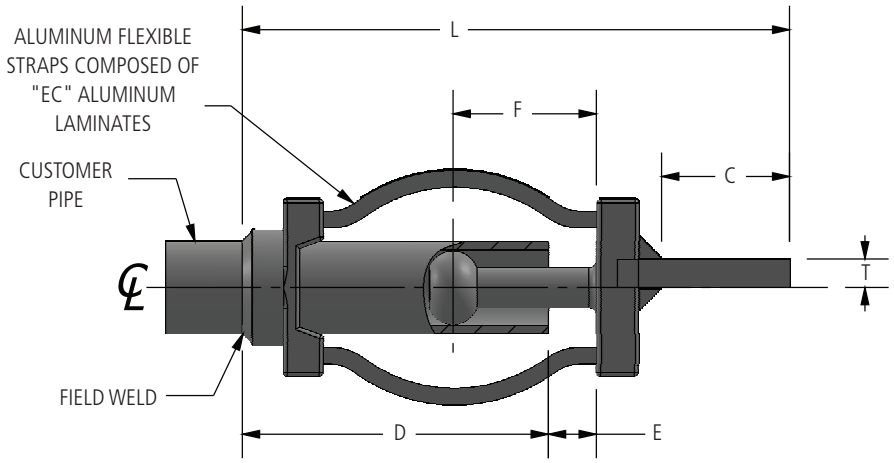


### Material

Aluminum Alloy

### Notes

- Add "P" to suffix of WXL for no alignment guide. EX: WXLP200-4N-AA
- Add "F" to suffix of pad type for contact finish on both sides of the pad. EX: WXL200-4NF-AA



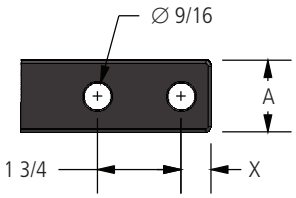




FIG. 1

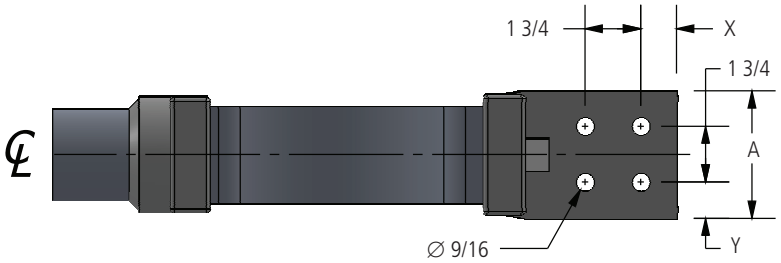



FIG. 2

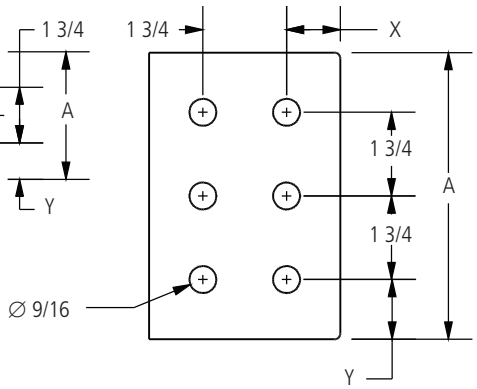



FIG. 3

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

*continued*

© 2011, AFL, all rights reserved. PP-3-00585, Revision 6, 9.26.2025
Specifications are subject to change without notice.

# TYPE WXL-AA, WXL-E-AA

## Expansion Terminal Connector

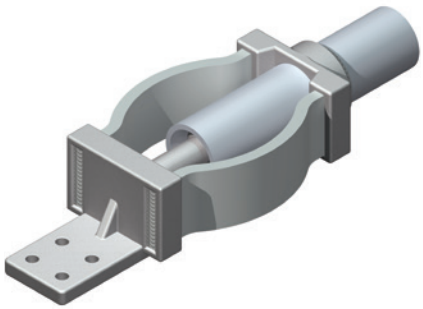
### Ordering Information

| Catalog Number | | SPS | Fig. No. | Dimensions in Inches | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCH 40 | SCH 80 | | | A | C | D | E | F | L | T | Y | X |
| WXL100-2N-AA | WXL100E-2N-AA | 1 | 1 | 1-3/4 | 3 | 5-1/8 | 1-1/2 | 3-1/2 | 10-5/8 | 1/2 | NA | 5/8 |
| WXL100-4N-AA | WXL100E-4N-AA | 1 | 2 | 3 | 3 | 5-1/8 | 1-1/2 | 3-1/2 | 10-5/8 | 1/2 | 5/8 | 5/8 |
| WXL125-2N-AA | WXL125E-2N-AA | 1-1/4 | 1 | 2-1/4 | 3 | 6 | 1-1/2 | 3-1/2 | 11-1/2 | 1/2 | NA | 5/8 |
| WXL125-4N-AA | WXL125E-4N-AA | 1-1/4 | 2 | 3 | 3 | 6 | 1-1/2 | 3-1/2 | 11-1/2 | 1/2 | 5/8 | 5/8 |
| WXL125-4N4-AA | WXL125E-4N4-AA | 1-1/4 | 2 | 4 | 4 | 6 | 1-1/2 | 3-1/2 | 11-1/2 | 1/2 | 1-1/8 | 1-1/8 |
| WXL150-2N-AA | WXL150E-2N-AA | 1-1/2 | 1 | 2-1/2 | 3 | 7-1/8 | 1-1/2 | 3-1/2 | 12-3/4 | 5/8 | 5/8 | 5/8 |
| WXL150-4N-AA | WXL150E-4N-AA | 1-1/2 | 2 | 3 | 3 | 7-1/8 | 1-1/2 | 3-1/2 | 12-3/4 | 5/8 | 5/8 | 5/8 |
| WXL150-4N4-AA | WXL150E-4N4-AA | 1-1/2 | 2 | 3 | 3 | 7-1/8 | 1-1/2 | 3-1/2 | 12-3/4 | 5/8 | 5/8 | 5/8 |
| WXL200-2N-AA | WXL200E-2N-AA | 2 | 1 | 3 | 3 | 7-3/16 | 2-1/2 | 4-1/2 | 14-3/8 | 3/4 | NA | 5/8 |
| WXL200-4N-AA | WXL200E-4N-AA | 2 | 2 | 3 | 3 | 7-3/16 | 2-1/2 | 4-1/2 | 14-3/8 | 3/4 | 5/8 | 5/8 |
| WXL200-4N4-AA | WXL200E-4N4-AA | 2 | 2 | 4 | 4 | 7-3/16 | 2-1/2 | 4-1/2 | 14-3/8 | 3/4 | 1-1/8 | 1-1/8 |
| WXL200-6N4-AA | WXL200E-6N4-AA | 2 | 3 | 6 | 4 | 7-3/16 | 2-1/2 | 4-1/2 | 14-3/8 | 3/4 | 1-1/4 | 1-1/8 |
| WXL250-2N-AA | WXL250E-2N-AA | 2-1/2 | 1 | 3 | 3 | 7-11/16 | 2-1/2 | 4-1/2 | 14-7/8 | 3/4 | NA | 5/8 |
| WXL250-4N-AA | WXL250E-4N-AA | 2-1/2 | 2 | 3 | 3 | 7-11/16 | 2-1/2 | 4-1/2 | 14-7/8 | 3/4 | 5/8 | 5/8 |
| WXL250-4N4-AA | WXL250E-4N4-AA | 2-1/2 | 2 | 4 | 4 | 7-11/16 | 2-1/2 | 4-1/2 | 15-7/8 | 3/4 | 1-1/8 | 1-1/8 |
| WXL300-2N-AA | WXL300E-2N-AA | 3 | 1 | 3 | 3 | 8-3/16 | 2-1/2 | 4-1/2 | 16 | 7/8 | NA | 5/8 |
| WXL300-4N-AA | WXL300E-4N-AA | 3 | 2 | 3 | 3 | 8-3/16 | 2-1/2 | 4-1/2 | 16 | 7/8 | 5/8 | 5/8 |
| WXL300-4N4-AA | WXL300E-4N4-AA | 3 | 2 | 4 | 4 | 8-3/16 | 2-1/2 | 4-1/2 | 17 | 7/8 | 1-1/8 | 1-1/8 |
| WXL300-6N4-AA | WXL300E-6N4-AA | 3 | 3 | 6 | 4 | 8-3/16 | 2-1/2 | 4-1/2 | 17 | 7/8 | 1-1/8 | 1-1/8 |
| WXL350-2N-AA | WXL350E-2N-AA | 3-1/2 | 1 | 3 | 3 | 9-3/4 | 2-1/2 | 4-1/2 | 17-5/16 | 7/8 | NA | 5/8 |
| WXL350-4N-AA | WXL350E-4N-AA | 3-1/2 | 2 | 3 | 4-1/4 | 9-3/4 | 2-1/2 | 4-1/2 | 18-9/16 | 13/16 | 5/8 | 5/8 |
| WXL350-4N4-AA | WXL350E-4N4-AA | 3-1/2 | 2 | 4 | 4 | 9-3/4 | 2-1/2 | 4-1/2 | 18-5/16 | 7/8 | 1-1/8 | 1-1/8 |
| WXL400-2N-AA | WXL400E-2N-AA | 4 | 1 | 3 | 3 | 10 | 2-1/2 | 4-1/2 | 18 | 1 | NA | 5/8 |
| WXL400-4N-AA | WXL400E-4N-AA | 4 | 2 | 3 | 3 | 10 | 2-1/2 | 4-1/2 | 18 | 1 | 5/8 | 5/8 |
| WXL400-4N4-AA | WXL400E-4N4-AA | 4 | 2 | 4 | 4 | 10 | 2-1/2 | 4-1/2 | 19 | 1 | 1-1/8 | 1-1/8 |
| WXL400-6N4-AA | WXL400E-6N4-AA | 4 | 3 | 6 | 4 | 10 | 2-1/2 | 5-9/16 | 19-1/4 | 1 | 1-1/4 | 1-1/8 |
| WXL500-4N-AA | WXL500E-4N-AA | 5 | 2 | 3 | 3 | 10 | 2-1/2 | 4-1/2 | 18 | 1-1/4 | 5/8 | 5/8 |
| WXL500-4N4-AA | WXL500E-4N4-AA | 5 | 2 | 4 | 4 | 10 | 2-1/2 | 4-1/2 | 19 | 1-1/4 | 1-1/8 | 1-1/8 |
| WXL500-6N4-AA | WXL500E-6N4-AA | 5 | 3 | 6 | 4 | 10 | 2-1/2 | 5-5/8 | 19 | 1 | 1-1/4 | 1-1/8 |
| WXL600-4N-AA | WXL600E-4N-AA | 6 | 2 | 3 | 3 | 6-9/16 | 2-1/2 | 5-3/16 | 13-9/16 | 1-1/8 | 5/8 | 5/8 |
| WXL600-4N4-AA | WXL600E-4N4-AA | 6 | 2 | 4 | 4 | 6-9/16 | 2-1/2 | 5-3/16 | 14-9/16 | 1-1/8 | 1-1/8 | 1-1/8 |
| WXL600-6N4-AA | WXL600E-6N4-AA | 6 | 3 | 6 | 4 | 6-9/16 | 2-1/2 | 5-3/16 | 14-9/16 | 1-1/8 | 1-1/4 | 1-1/8 |
| WXL800-4N4-AA | WXL800E-4N4-AA | 8 | 2 | 4 | 4 | 15 | 2-1/2 | 4-1/2 | 24-3/8 | 1-3/8 | 1-1/8 | 1-1/8 |
| WXL800-6N4-AA | WXL800E-6N4-AA | 8 | 3 | 6 | 4 | 15 | 2-1/2 | 4-1/2 | 24-3/8 | 1-3/8 | 1-1/4 | 1-1/8 |

© 2011, AFL, all rights reserved. PP-3-00585, Revision 6, 9.26.2025
Specifications are subject to change without notice.

# TYPE WXLO-AA, WXLO-E-AA

## Expansion Terminal Connector



### Material

Aluminum Alloy

### Notes

1. Add "P" to suffix of WXLO for no alignment guide. EX: WXLOP300-4N-AA
2. Add "F" to suffix of pad type for contact finish on both sides of the pad. EX: WXLO300-4NF-AA

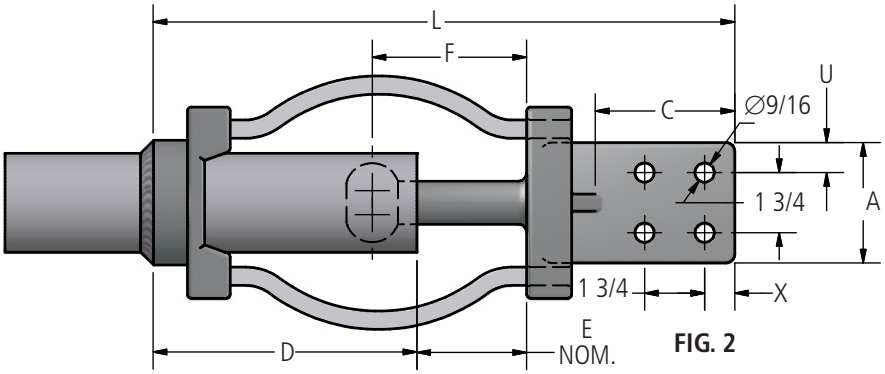



FIG. 2

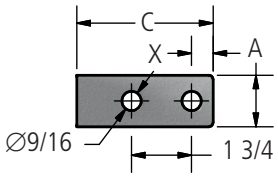
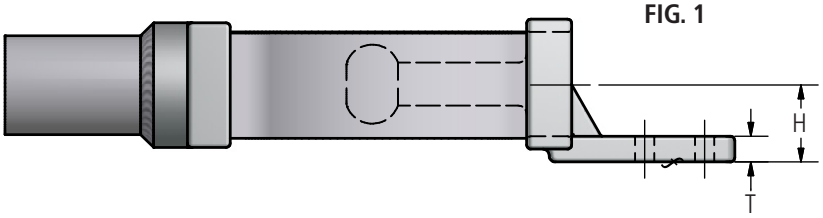



FIG. 1




AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

*continued*

© 2011, AFL, all rights reserved. PP-3-00586, Revision 2, 2.13.2025
Specifications are subject to change without notice.

# TYPE WXLO-AA, WXLO-E-AA

## Expansion Terminal Connector

### Ordering Information

| Catalog Number | | Pipe Size | Fig. No. | Dimensions in Inches | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCH 40 | SCH 80 | | | A | C | D | E | F | H | L | T | U | X |
| WXLO100-2N-AA | WXLO100E-2N-AA | 1 | 1 | 1 3/4 | 3 | 5 1/8 | 1 1/2 | 3 1/2 | 1 1/8 | 10 5/8 | 5/8 | N/A | 5/8 |
| WXLO100-4N-AA | WXLO100E-4N-AA | 1 | 2 | 3 | 3 | 5 1/8 | 1 1/2 | 3 1/2 | 1 5/16 | 10 5/8 | 1/2 | 5/8 | 5/8 |
| WXLO125-2N-AA | WXLO125E-2N-AA | 1 1/4 | 1 | 2 1/4 | 3 | 6 | 1 1/2 | 3 1/2 | 1 5/16 | 11 1/2 | 1/2 | N/A | 5/8 |
| WXLO125-4N-AA | WXLO125E-4N-AA | 1 1/4 | 2 | 3 | 3 | 6 | 1 1/2 | 3 1/2 | 1 5/16 | 11 1/2 | 1/2 | 5/8 | 5/8 |
| WXLO125-4N4-AA | WXLO125E-4N4-AA | 1 1/4 | 2 | 4 | 4 | 6 | 1 1/2 | 3 1/2 | 1 5/8 | 12 3/4 | 1/2 | 1 1/8 | 1 1/8 |
| WXLO150-2N-AA | WXLO150E-2N-AA | 1 1/2 | 1 | 2 1/2 | 3 | 7 1/8 | 1 1/2 | 3 1/2 | 1 5/8 | 12 3/4 | 5/8 | N/A | 5/8 |
| WXLO150-4N-AA | WXLO150E-4N-AA | 1 1/2 | 2 | 3 | 3 | 7 1/8 | 1 1/2 | 3 1/2 | 1 5/8 | 12 3/4 | 5/8 | 5/8 | 5/8 |
| WXLO200-2N-AA | WXLO200E-2N-AA | 2 | 1 | 2 | 3 | 7 3/16 | 2 1/2 | 4 1/2 | 2 | 14 3/8 | 3/4 | N/A | 5/8 |
| WXLO200-4N-AA | WXLO200E-4N-AA | 2 | 2 | 3 | 3 | 7 3/16 | 2 1/2 | 4 1/2 | 2 | 14 3/8 | 3/4 | 3/4 | 7/8 |
| WXLO200-4N4-AA | WXLO200E-4N4-AA | 2 | 2 | 4 | 4 | 7 3/16 | 2 1/2 | 4 1/2 | 2 | 15 3/8 | 3/4 | 1 1/8 | 1 1/8 |
| WXLO250-4N-AA | WXLO250E-4N-AA | 2 1/2 | 2 | 3 | 3 | 7 11/16 | 2 1/2 | 4 1/2 | 2 9/32 | 14 7/8 | 3/4 | 5/8 | 5/8 |
| WXLO250-4N4-AA | WXLO250E-4N4-AA | 2 1/2 | 2 | 4 | 4 | 7 11/16 | 2 1/2 | 4 1/2 | 2 9/32 | 15 7/8 | 3/4 | 1 1/8 | 1 1/8 |
| WXLO300-4N-AA | WXLO300E-4N-AA | 3 | 2 | 3 | 3 | 8 3/16 | 2 1/2 | 4 1/2 | 2 5/8 | 16 | 7/8 | 5/8 | 5/8 |
| WXLO300-4N4-AA | WXLO300E-4N4-AA | 3 | 2 | 4 | 4 | 8 3/16 | 2 1/2 | 4 1/2 | 2 5/8 | 17 | 7/8 | 1 1/8 | 1 1/8 |
| WXLO350-4N-AA | WXLO350E-4N-AA | 3 1/2 | 2 | 3 | 3 | 9 3/4 | 2 1/2 | 4 1/2 | 2 15/16 | 17 5/16 | 7/8 | 5/8 | 5/8 |
| WXLO350-4N4-AA | WXLO350E-4N4-AA | 3 1/2 | 2 | 4 | 4 | 9 3/4 | 2 1/2 | 4 1/2 | 2 15/16 | 18 5/16 | 1 | 1 1/8 | 1 1/8 |
| WXLO400-4N-AA | WXLO400E-4N-AA | 4 | 2 | 3 | 3 | 10 | 2 1/2 | 4 1/2 | 3 1/4 | 18 | 1 | 5/8 | 5/8 |
| WXLO400-4N4-AA | WXLO400E-4N4-AA | 4 | 2 | 4 | 4 | 10 | 2 1/2 | 4 1/2 | 3 1/4 | 19 | 1 | 1 1/8 | 1 1/8 |
| WXLO500-4N-AA | WXLO500E-4N-AA | 5 | 2 | 3 | 3 | 10 | 2 1/2 | 4 1/2 | 3 1/2 | 18 | 1 1/4 | 5/8 | 5/8 |
| WXLO500-4N4-AA | WXLO500E-4N4-AA | 5 | 2 | 4 | 4 | 10 | 2 1/2 | 4 1/2 | 3 1/2 | 19 | 1 1/4 | 1 1/8 | 1 1/8 |
| WXLO600-4N-AA | WXLO600E-4N-AA | 6 | 2 | 3 | 3 | 12 | 2 1/2 | 4 1/2 | 4 1/4 | 20 3/8 | 1 3/8 | 5/8 | 5/8 |
| WXLO600-4N4-AA | WXLO600E-4N4-AA | 6 | 2 | 4 | 4 | 12 | 2 1/2 | 4 1/2 | 4 1/4 | 21 3/8 | 1 3/8 | 1 1/8 | 1 1/8 |

© 2011, AFL, all rights reserved. PP-3-00586, Revision 2, 2.13.2025
Specifications are subject to change without notice.

# Table of Contents

## 230 kV Aluminum Compression

230 kV Compression Table of Contents . . . . . 447
Pictorial Index . . . . . 448

*Compression Connectors*

Type 2600, 2700 Series . . . . . 449
Type 2800 Series . . . . . 450
Type 3400 Series . . . . . 451
Type 5000 Series . . . . . 452
5500 Series Tee Connector, ACSR . . . . . 455
5500 Series Tee Connector, AAC . . . . . 458
Type S5600, S5100 Series . . . . . 461
Type S5600-45, S5800 Series . . . . . 467
Type DP2L-V-EC . . . . . 472

# Pictorial Index


| Aluminum Compression Connectors | |
|---|---|
|  | 2600, 2700 SERIES<br>PG. 449 |
|  | 2800 SERIES<br>PG. 450 |
|  | 3400 SERIES<br>PG. 451 |
|  | 5000 SERIES<br>PG. 452 |
|  | 5500 SERIES<br>PG. 455, 458 |
|  | S5600, S5100 SERIES<br>PG. 461 |
|  | S5600-45, S5800 SERIES<br>PG. 467 |
|  | DP2L-V-EC SERIES<br>PG. 472 |

# Type 2700, 2600 Series

Substation straight terminals are designed for limited space applications as found in substations. Terminals are shorter than conventional terminals which saves space and allows for faster installation. Terminals are installed with standard AFL hex dies. Terminals can be supplied pre filled if required.



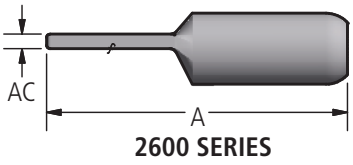
2600



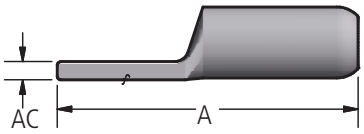
2700

## Notes

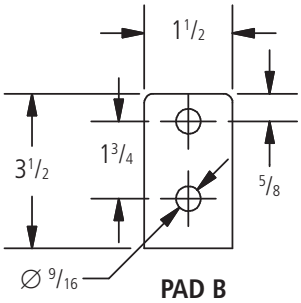
Other pad sizes can be custom ordered.



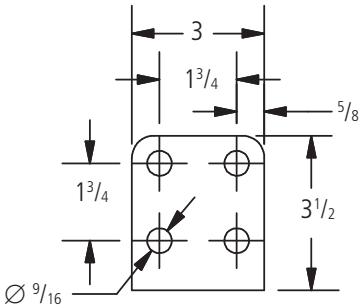

2600 SERIES



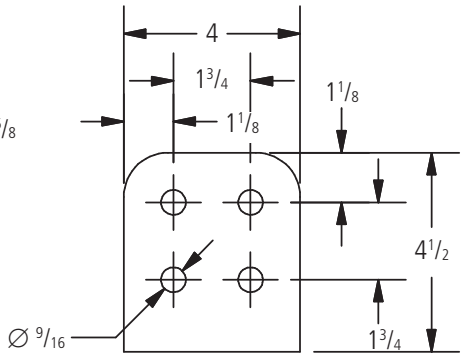

2700 SERIES




PAD B




PAD D




PAD E

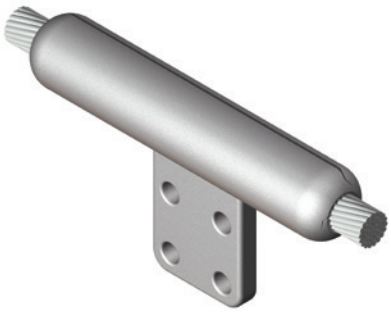
## Ordering Information

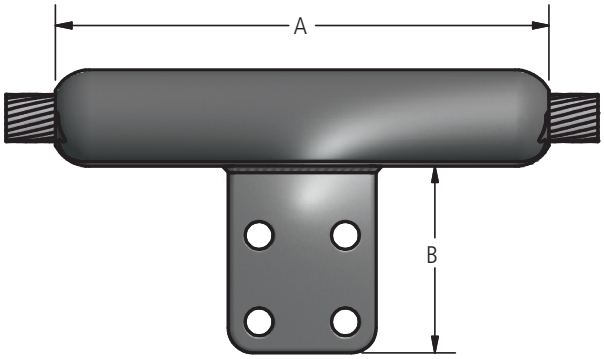
| Catalog Number | | Conductor Range | | | Pad Size | Dimensions in Inches | | Die size | Nominal Weight lbs |
|---|---|---|---|---|---|---|---|---|---|
| Offset Pad | Center Formed Pad | Diameter | AAC | ACSR | | A | AC | | |
| 2776.0 | 2676.0 | .447-.593 | 4/0-266.8 | 2/0 (6/1)-4/0(6/1) | B | 7.08 | 0.50 | 76AH | 0.58 |
| 2776.1 | 2676.1 | .609-.743 | 300-397.5 | 266.8(18/1)-397.5(18/1) | B | 7.08 | 0.50 | 76AH | 0.58 |
| 2720.1 | 2620.1 | .629-.724 | 336.4 - 397.5 | 266.8(6/7) - 336.4(30/7) | B | 6.87 | 0.50 | 20AH | 0.52 |
| 2720.2 | 2620.2 | .721-.814 | 397.5-500 | 336.4(30/7)-477(18/1) | B | 6.87 | 0.50 | 20AH | 0.52 |
| 2724.1 | 2624.1 | .793-.926 | 477-636 | 397.5(30/7) - 556.5(24/7) | B | 7.21 | 0.50 | 24AH | 0.69 |
| 2724.1D | – | .793-.926 | 477-636 | 397.5(30/7) - 556.5(24/7) | D | 7.21 | 0.62 | 24AH | 0.69 |
| 2727.1 | 2627.1 | .929-1.025 | 700 - 750 | 556.5(30/7)-666.6(24/7) | D | 7.49 | 0.62 | 27AH | 1.2 |
| 2727.1B | – | .929-1.025 | 700 - 750 | 556.5(30/7)-666.6(24/7) | B | 7.49 | 0.50 | 27AH | 1.2 |
| 2730.1 | 2630.1 | 1.026 - 1.196 | 795 - 1033.5 | 715.5(24/7) - 954(54/7) | D | 8.84 | 0.62 | 30AH | 1.6 |
| 2730.1B | – | 1.026 - 1.196 | 795 - 1033.5 | 715.5(24/7) - 954(54/7) | B | 8.84 | 0.50 | 30AH | 1.6 |
| 2734.1 | 2634.1 | 1.186 - 1.313 | 954-1272 | 954(54.7)-1192.5(45/7) | D | 9.19 | 0.62 | 34AH | 1.9 |
| 2734.1E | – | 1.186 - 1.313 | 954-1272 | 954(54.7)-1192.5(45/7) | E | 9.81 | 0.75 | 34AH | 1.9 |
| 2736.1 | 2636.1 | 1.314 - 1.399 | 1300-1431 | 1192.5(54/19) - 1351.5(45/7) | D | 9.45 | 0.62 | 36AH | 2.1 |
| 2738.1 | 2638.1 | 1.399 - 1.500 | 1351.5-1590 | 1351.5(45/7) - 1510.5(45/7) | D | 9.69 | 0.62 | 38AH | 2.3 |
| 2738.1E | – | 1.399 - 1.500 | 1351.5-1590 | 1351.5(45/7) - 1510.5(45/7) | E | 9.69 | 0.62 | 38AH | 2.3 |
| 2740.1 | 2640.1 | 1.501 - 1.630 | 1750 - 2000 | 1510.5(54/19) - 1780(84/19) | D | 10.14 | 0.62 | 40AH | 2.6 |
| 2742.1 | 2642.1 | 1.630 - 1.681 | 2000 | 2034(72/7) | E | 11.11 | 0.75 | 42AH | 3.5 |
| 2744.1 | 2644.1 | 1.630 - 1.681 | 2000 | 2034(72/7) | E | 11.61 | 0.75 | 44AH | 4.0 |
| 2744.2 | 2644.2 | 1.669 - 1.823 | 2250 - 2500 | 2034(72/7) - 2312(76/19) | E | 11.61 | 0.75 | 44AH | 4.0 |
| 2748.1 | 2648.1 | 1.823 - 1.996 | 2500 - 2750 | 2515(76/19) | E | 12.64 | 0.75 | 48AH | 4.6 |
| 2748.2 | 2648.2 | 1.996 - 2.158 | 3000-3500 | - | E | 12.64 | 0.75 | 48AH | 4.0 |

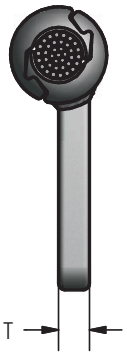
© 2010, AFL, all rights reserved. PP-3-00166, Revision 6, 12.15.2025
Specifications are subject to change without notice.

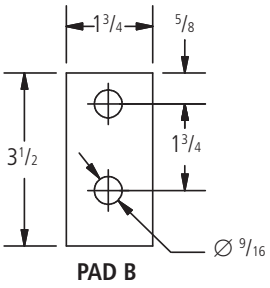
# Type 2800 Series

Substation tee connector is designed for limited space application as found in substations. Run length is shorter than conventional tee taps which saves space and allows faster installation. Tee tap is installed with standard AFL hex dies.

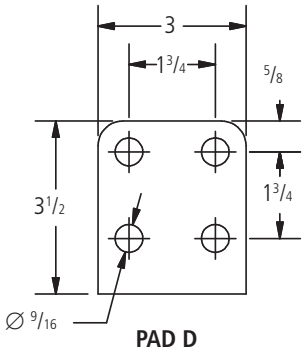




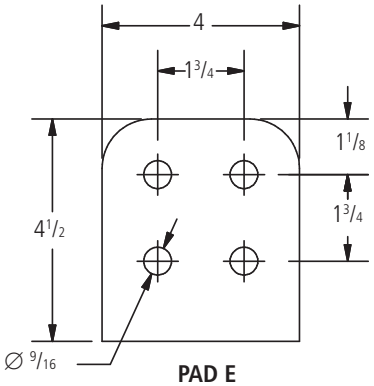




PAD B




PAD D




PAD E

## Ordering Information

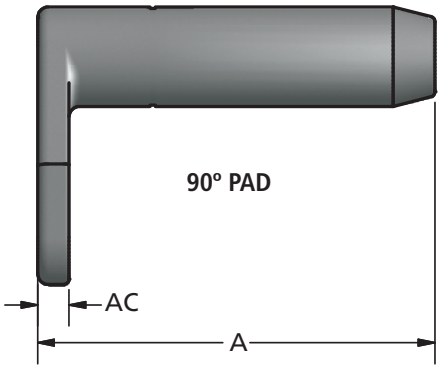
| Catalog Number | Conductor Range | | | Pad Size | Die Size | Alternate Catalog Number | Alternate Pad Size | Dimensions (inches) | | Nominal Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|
| | Diameter Range (inches) | AAC | ACSR | | | | | A | T | |
| | | MCM | | | | | | | | |
| 2876.1 | .609 - .743 | 300 - 397.5 | 266.8(18/1) - 336.4(30/7) | B | 76AH | 2876.1D | D | 8.5 | 0.5 | 0.73 |
| 2820.1 | .718 - .840 | 397.5 - 500 | 336.4(26/7) - 477(18/1) | B | 20AH | 2820.1D | D | 8.5 | 0.5 | 0.91 |
| 2824.1 | .780 - .933 | 477 - 650 | 397.5(26/7) - 556.5(26/7) | B | 24AH | 2824.1D | D | 8.5 | 0.5 | 1.2 |
| 2827.1 | .932 - 1.020 | 700 - 750 | 556.5(30/7) - 666.6(24/7) | D | 27AH | 2827.1B | B | 10 | 0.62 | 2.1 |
| 2830.1 | 1.021 - 1.196 | 795 - 1033.5 | 715.5(24/7) - 954(54/7) | D | 30AH | 2830.1B | B | 10 | 0.62 | 2.6 |
| 2834.1 | 1.140 - 1.319 | 1000 - 1300 | 795(30/19) - 1192.5(45/7) | D | 34AH | 2834.1E | E | 11.5 | 0.62 | 3.4 |
| 2836.1 | 1.320 - 1.417 | 1351.5 - 1510.5 | 1192.5(54/19) - 1351.5(45/7) | D | 36AH | 2836.1E | E | 11.5 | 0.62 | 3.7 |
| 2838.1 | 1.412 - 1.500 | 1500 - 1590 | 1351.5(54/19) - 1510.5(45/7) | D | 38AH | 2838.1E | E | 12 | 0.62 | 4.3 |
| 2840.1 | 1.496 - 1.557 | 1750 | 1510.5(54/19) - 1590(54/19) | D | 40AH | 2840.1E | E | 12.5 | 0.62 | 4.8 |
| 2842.1 | 1.550 - 1.625 | - | 1780(84/19) | E | 42AH | 2842.1D | D | 14 | 0.75 | 6.4 |
| 2844.1 | 1.626 - 1.842 | 2000 - 2500 | 2034(72/7) - 2312(76/19) | E | 44AH | 2844.1D | D | 14 | 0.75 | 6.3 |
| 2848.1 | 1.843 - 1.996 | 2750 | 2515(76/19) | E | 48AH | 2848.1D | D | 16 | 0.75 | 7.1 |

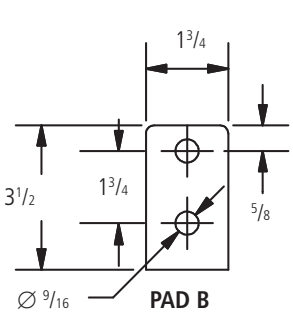
© 2010, AFL, all rights reserved. PP-3-00168, Revision 4, 11.21.2024
Specifications are subject to change without notice.

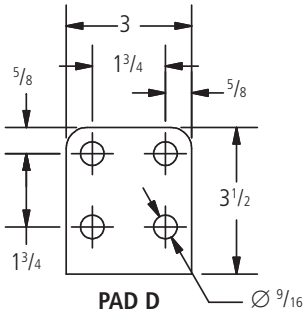
# Type 3400 Series

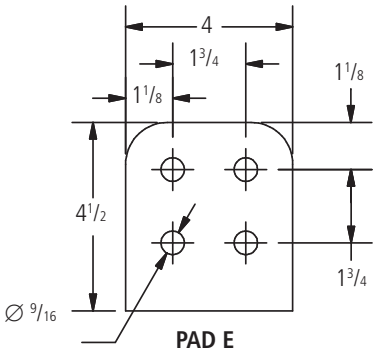
Substation 90° terminals are designed for limited space applications as found in substations. Terminals are shorter that conventional terminals which saves space and allows for faster installation. Terminals are installed with standard AFL hex dies. Terminals can be supplied pre-filled if required. Alternate pad sizes available.






## Ordering Information

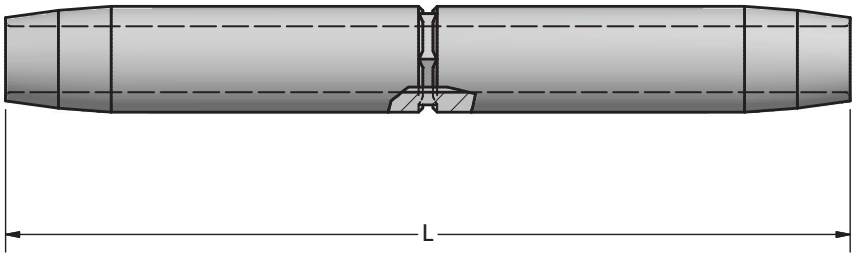
| Catalog Number | Conductor Range | | | Pad Size | Dimensions (inches) | | Die Size | Nominal Weight (lbs) |
|---|---|---|---|---|---|---|---|---|
| | Diameter | AAC | ACSR | | A | AC | | |
| 3420.1 | 0.629 - 0.724 | 336.4 - 397.5 | 266.8 (6/7) - 336.4 (30/7) | B | 4.61 | 0.5 | 20AH | — |
| 3420.2 | 0.721 - 0.814 | 397.5 - 500 | 336.4 (30/7) - 477 (18/1) | B | 4.86 | 0.5 | 20AH | — |
| 3424.1 | 0.793 - 0.928 | 477 - 636 | 397.5 (30/7) - 556.5 (24/7) | B | 4.86 | 0.5 | 24AH | — |
| 3427.1 | 0.929 - 1.025 | 700 - 750 | 556.5 (30/7) - 666.6 (24/7) | D | 6.36 | 0.5 | 27AH | — |
| 3430.1 | 1.026 - 1.196 | 795 - 1033.5 | 715.5 (24/7) - 954 (54/7) | D | 6.03 | 0.62 | 30AH | 1.3 |
| 3434.1 | 1.186 - 1.313 | 954 - 1272 | 954 (54/7) - 1192.5 (45/7) | D | 6.44 | 0.62 | 34AH | 1.6 |
| 3436.1 | 1.314 - 1.399 | 1300 - 1431 | 1192.5 (54/19) - 1351.5 (45/7) | D | 6.72 | 0.62 | 36AH | 1.7 |
| 3438.1 | 1.399 - 1.500 | 1351.5 - 1590 | 1351.5 (45/7) - 1510.5 (45/7) | D | 6.94 | 0.62 | 38AH | 2.0 |
| 3440.1 | 1.501 - 1.630 | 1750 - 2000 | 1510.5 (54/19) - 1780 (84/19) | D | 7.38 | 0.62 | 40AH | 2.2 |
| 3442.1 | 1.630 - 1.681 | 2000 | 2034 (72/7) | E | 7.81 | 0.75 | 42AH | 3.0 |
| 3444.1 | 1.630 - 1.681 | 2000 | 2034 (72/7) | E | 8.22 | 0.75 | 44AH | 3.4 |
| 3444.2 | 1.669 - 1.823 | 2250 - 2500 | 2034 (72/7) - 2312 (76/19) | E | 8.22 | 0.75 | 44AH | 3.3 |
| 3448.1 | 1.823 - 1.996 | 2500 - 2750 | 2515 (76/19) | E | 9.22 | 0.75 | 48AH | 4.5 |
| 3448.2 | 1.996 - 2.158 | 3000 - 3500 | — | E | 9.22 | 0.75 | 48AH | 4.0 |

© 2010, AFL, all rights reserved. PP-3-00176, Revision 3, 11.21.2024
Specifications are subject to change without notice.

# Type 5000 Series

The 5000 Series Jumper Connector is designed for AAC conductors. The jumper connector is fabricated from AFL seamless drawn aluminum. All jumper connectors are designed for limited tension use, maintaining a minimum of 40% of the ASTM rated strength of the conductor on which it is being used.






## Ordering Information

| Catalog Number | Conductor | | | | | Die Size Aluminum Hex Die | Dimensions in inches |
|---|---|---|---|---|---|---|---|
| | ACSR or AAC | Code Word | Size KCMil | Stranding Al/St | Diameter in inches | | L |
| 5073.391 | AAC | Poppy | 1/0 | 7 | 0.368 | 73AH | 6.00 |
| 5074.438 | ACSR | Raven | 1/0 | 6/1 | 0.398 | 74AHA | 7.00 |
| 5074.438 | AAC | Aster | 2/0 | 7 | 0.414 | 74AHA | 7.00 |
| 5074.484 | ACSR | Quail | 2/0 | 6/1 | 0.447 | 74AH | 7.00 |
| 5074.484 | ACSR | Phlox | 3/0 | 7 | 0.464 | 74AH | 7.00 |
| 5075.547 | ACSR | Pigeon | 3/0 | 6/1 | 0.502 | 75AH | 8.00 |
| 5075.547 | AAC | Oxlip | 4/0 | 7 | 0.522 | 75AH | 8.00 |
| 5075.609 | ACSR | Penguin | 4/0 | 6/1 | 0.563 | 75AH | 8.00 |
| 5075.609 | AAC | Valerian | 250 | 19 | 0.575 | 75AH | 8.00 |
| 5075.609 | AAC | Laurel | 266.8 | 19 | 0.593 | 75AH | 8.00 |
| 5076.650 | ACSR | Waxwing | 266.8 | 18/1 | 0.609 | 76AH | 9.00 |
| 5076.650 | AAC | Peony | 300 | 19 | 0.629 | 76AH | 9.00 |
| 5076.688 | ACSR | Owl | 266.8 | 6/7 | 0.633 | 76AH | 9.00 |
| 5076.688 | ACSR | Partridge | 266.8 | 26/7 | 0.642 | 76AH | 9.00 |
| 5076.688 | AAC | Tulip | 336.4 | 19 | 0.666 | 76AH | 9.00 |
| 5076.719 | ACSR | Ostrich | 300 | 26/7 | 0.680 | 76AH | 9.00 |
| 5076.719 | ACSR | Merlin | 336.4 | 18/1 | 0.684 | 76AH | 9.00 |
| 5076.750 | AAC | Canna | 397.5 | 19 | 0.724 | 76AH | 9.00 |
| 5076.781 | ACSR | Linnet | 336.4 | 26/7 | 0.720 | 76AH | 9.00 |
| 5076.781 | ACSR | Chickadee | 397.5 | 18/1 | 0.743 | 76AH | 9.00 |
| 5020.719 | AAC | Daffodil | 350 | 19 | 0.679 | 20AH | 10.00 |
| 5020.781 | ACSR | Linnet | 336.4 | 26/7 | 0.720 | 20AH | 10.00 |
| 5020.781 | ACSR | Oriole | 336.4 | 30/7 | 0.741 | 20AH | 10.00 |
| 5020.781 | ACSR | Chickadee | 397.5 | 18/1 | 0.743 | 20AH | 10.00 |
| 5020.812 | ACSR | Brant | 397.5 | 24/7 | 0.772 | 20AH | 10.00 |
| 5020.812 | AAC | Goldentuft | 450 | 19 | 0.770 | 20AH | 10.00 |
| 5020.812 | AAC | Yarrow | 450 | 37 | 0.772 | 20AH | 10.00 |
| 5020.812 | AAC | Cosmos | 477 | 19 | 0.793 | 20AH | 10.00 |
| 5020.812 | AAC | Syringa | 477 | 37 | 0.795 | 20AH | 10.00 |

© 2010, AFL, all rights reserved. PP-3-00201, Revision 1, 11.21.2024
Specifications are subject to change without notice.

# Type 5000 Series

## Ordering Information

| Catalog Number | Conductor | | | | | Die Size Aluminum Hex Die | Dimensions in inches |
|---|---|---|---|---|---|---|---|
| | ACSR or AAC | Code Word | Size KCMil | Stranding Al/St | Diameter in inches | | L |
| 5020.844 | ACSR | Ibis | 397.5 | 26/7 | 0.783 | 20AH | 10.00 |
| 5020.844 | ACSR | Lark | 397.5 | 30/7 | 0.806 | 20AH | 10.00 |
| 5024.875 | ACSR | Pelican | 477 | 18/1 | 0.814 | 24AH | 11.00 |
| 5024.875 | AAC | Cosmos | 477 | 19 | 0.793 | 24AH | 11.00 |
| 5024.875 | AAC | Syringa | 477 | 37 | 0.795 | 24AH | 11.00 |
| 5024.875 | AAC | Zinnia | 500 | 19 | 0.811 | 24AH | 11.00 |
| 5024.875 | AAC | Hyacinth | 500 | 37 | 0.813 | 24AH | 11.00 |
| 5024.938 | ACSR | Flicker | 477 | 24/7 | 0.846 | 24AH | 11.00 |
| 5024.938 | ACSR | Hawk | 477 | 26/7 | 0.858 | 24AH | 11.00 |
| 5024.938 | ACSR | Hen | 477 | 30/7 | 0.883 | 24AH | 11.00 |
| 5024.938 | ACSR | Osprey | 556.5 | 18/1 | 0.879 | 24AH | 11.00 |
| 5024.938 | AAC | Dahlia | 556.5 | 19 | 0.856 | 24AH | 11.00 |
| 5024.938 | AAC | Mistletoe | 556.5 | 37 | 0.858 | 24AH | 11.00 |
| 5024.938 | AAC | Meadowsweet | 600 | 37 | 0.891 | 24AH | 11.00 |
| 5024.969 | ACSR | Parakeet | 556.5 | 24/7 | 0.914 | 24AH | 11.00 |
| 5024.969 | ACSR | Dove | 556.5 | 26/7 | 0.927 | 24AH | 11.00 |
| 5024.969 | AAC | Orchid | 636 | 37 | 0.918 | 24AH | 11.00 |
| 5024.969 | AAC | Heuchera | 650 | 37 | 0.928 | 24AH | 11.00 |
| 5027.100 | ACSR | Eagle | 556.5 | 30/7 | 0.953 | 27AH | 12.00 |
| 5027.100 | ACSR | Peacock | 605 | 24/7 | 0.953 | 24AH | 12.00 |
| 5027.100 | ACSR | Squab | 605 | 26/7 | 0.966 | 24AH | 12.00 |
| 5027.100 | ACSR | Swift | 636 | 36/1 | 0.930 | 24AH | 12.00 |
| 5027.100 | ACSR | Kingbird | 636 | 18/1 | 0.940 | 24AH | 12.00 |
| 5027.100 | AAC | Flag | 700 | 61 | 0.964 | 24AH | 12.00 |
| 5027.106 | ACSR | Teal | 605 | 30/19 | 0.994 | 27AH | 12.00 |
| 5027.106 | ACSR | Rook | 636 | 24/7 | 0.977 | 27AH | 12.00 |
| 5027.106 | ACSR | Grosbeak | 636 | 26/7 | 0.990 | 27AH | 12.00 |
| 5027.106 | ACSR | Egret | 636 | 30/19 | 1.019 | 27AH | 12.00 |
| 5027.106 | ACSR | Flamingo | 666.6 | 24/7 | 1.000 | 27AH | 12.00 |
| 5027.106 | AAC | Violet | 715.5 | 37 | 0.974 | 27AH | 12.00 |
| 5027.106 | AAC | Nasturtium | 715.5 | 61 | 0.975 | 27AH | 12.00 |
| 5027.106 | AAC | Petunia | 750 | 37 | 0.997 | 27AH | 12.00 |
| 5027.106 | AAC | Cattail | 750 | 61 | 0.998 | 27AH | 12.00 |
| 5030.109 | ACSR | Stilt | 715.5 | 24/7 | 1.036 | 30AH | 13.00 |
| 5030.109 | ACSR | Starling | 715.5 | 26/7 | 1.051 | 30AH | 13.00 |
| 5030.109 | ACSR | Coot | 795 | 36/1 | 1.040 | 30AH | 13.00 |
| 5030.109 | AAC | Arbutus | 795 | 37 | 1.026 | 30AH | 13.00 |
| 5030.109 | AAC | Lilac | 795 | 61 | 1.028 | 30AH | 13.00 |
| 5030.109 | AAC | — | 800 | 37 | 1.031 | 30AH | 13.00 |
| 5030.109 | AAC | Heliotrope | 800 | 61 | 1.031 | 30AH | 13.00 |
| 5030.116 | ACSR | Redwing | 715.5 | 30/19 | 1.081 | 30AH | 13.00 |
| 5030.116 | ACSR | Tern | 795 | 45/7 | 1.063 | 30AH | 13.00 |
| 5030.116 | ACSR | Condor | 795 | 54/7 | 1.093 | 30AH | 13.00 |
| 5030.116 | ACSR | Drake | 795 | 26/7 | 1.108 | 30AH | 13.00 |
| 5030.116 | ACSR | Cuckoo | 795 | 24/7 | 1.092 | 30AH | 13.00 |
| 5030.116 | AAC | Snapdragon | 900 | 61 | 1.094 | 30AH | 13.00 |
| 5030.122 | ACSR | Mallard | 795 | 30/19 | 1.140 | 30AH | 13.00 |
| 5030.122 | ACSR | Ruddy | 900 | 45/7 | 1.131 | 30AH | 13.00 |
| 5030.122 | ACSR | Canary | 900 | 54/7 | 1.162 | 30AH | 13.00 |
| 5030.122 | ACSR | Catbird | 954 | 36/1 | 1.140 | 30AH | 13.00 |
| 5030.122 | ACSR | Rail | 954 | 45/7 | 1.165 | 30AH | 13.00 |
| 5030.122 | AAC | Magnolia | 954 | 37 | 1.124 | 30AH | 13.00 |

© 2010, AFL, all rights reserved. PP-3-00201, Revision 1, 11.21.2024
Specifications are subject to change without notice.

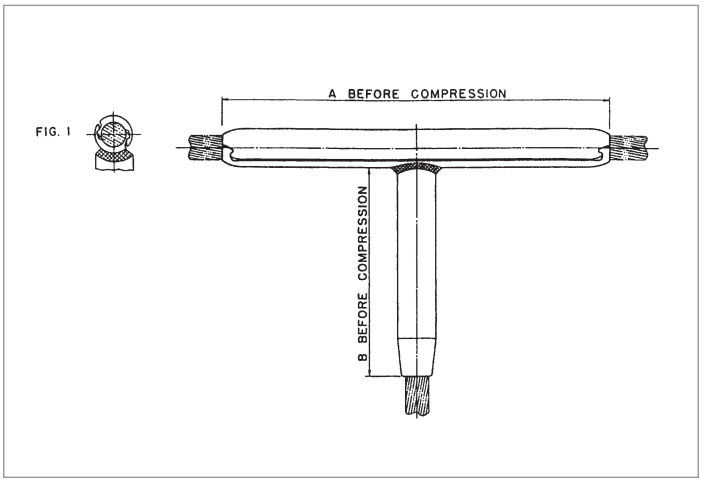
# Type 5000 Series

## Ordering Information

| Catalog Number | Conductor | | | | | Die Size Aluminum Hex Die | Dimensions in inches |
|---|---|---|---|---|---|---|---|
| | ACSR or AAC | Code Word | Size KCMil | Stranding Al/St | Diameter in inches | | L |
| 5030.122 | AAC | Goldenrod | 954 | 61 | 1.126 | 30AH | 13.00 |
| 5030.122 | AAC | Camellia | 1000 | 61 | 1.152 | 30AH | 13.00 |
| 5030.122 | AAC | Bluebell | 1033.5 | 37 | 1.170 | 30AH | 13.00 |
| 5030.122 | AAC | Larkspur | 1033.5 | 61 | 1.172 | 30AH | 13.00 |
| 5030.125 | ACSR | Cardinal | 954 | 54/7 | 1.196 | 30AH | 13.00 |
| 5030.125 | ACSR | Tanager | 1033.5 | 36/1 | 1.186 | 30AH | 13.00 |
| 5034.128 | ACSR | Ortolan | 1033.5 | 45/7 | 1.212 | 34AH | 14.00 |
| 5034.128 | AAC | Marigold | 1113 | 61 | 1.216 | 34AH | 14.00 |
| 5034.134 | ACSR | Curlew | 1033.5 | 54/7 | 1.244 | 34AH | 14.00 |
| 5034.134 | ACSR | Bluejay | 1113 | 45/7 | 1.259 | 34AH | 14.00 |
| 5034.134 | AAC | Hawthorn | 1192.5 | 61 | 1.258 | 34AH | 14.00 |
| 5034.134 | AAC | Narcissus | 1272 | 61 | 1.300 | 34AH | 14.00 |
| 5034.138 | ACSR | Bunting | 1192.5 | 45/7 | 1.302 | 34AH | 14.00 |
| 5034.138 | ACSR | Finch | 1113 | 54/19 | 1.293 | 34AH | 14.00 |
| 5036.144 | ACSR | Bittern | 1272 | 45/7 | 1.345 | 36AH | 15.00 |
| 5036.144 | ACSR | Grackle | 1192.5 | 54/19 | 1.333 | 36AH | 15.00 |
| 5036.144 | AAC | Columbine | 1351 | 61 | 1.340 | 36AH | 15.00 |
| 5036.144 | AAC | Carnation | 1431 | 61 | 1.379 | 36AH | 15.00 |
| 5036.147 | ACSR | Pheasant | 1272 | 54/19 | 1.382 | 36AH | 15.00 |
| 5036.147 | ACSR | Dipper | 1351.5 | 45/7 | 1.386 | 36AH | 15.00 |
| 5036.147 | ACSR | — | 1500 | 91 | 1.412 | 36AH | 15.00 |
| 5036.147 | AAC | Gladiolus | 1510.5 | 61 | 1.187 | 36AH | 15.00 |
| 5038.150 | ACSR | Martin | 1351.5 | 54/19 | 1.424 | 38AH | 16.00 |
| 5038.150 | ACSR | Bobolink | 1431 | 45/7 | 1.427 | 38AH | 16.00 |
| 5038.156 | ACSR | Plover | 1431 | 54/19 | 1.465 | 38AH | 16.00 |
| 5038.156 | ACSR | Nuthatch | 1510.5 | 45/7 | 1.466 | 38AH | 16.00 |
| 5038.156 | AAC | Coreopsis | 1590 | 61 | 1.250 | 38AH | 16.00 |
| 5038.156 | AAC | Dogwood | 1590 | 91 | 1.454 | 38AH | 16.00 |
| 5040.162 | ACSR | Parrot | 1510.5 | 54/19 | 1.506 | 40AH | 17.00 |
| 5040.162 | ACSR | Lapwing | 1590 | 45/7 | 1.504 | 40AH | 17.00 |
| 5040.162 | ACSR | Falcon | 1590 | 54/19 | 1.545 | 40AH | 17.00 |
| 5040.162 | AAC | Jessamine | 1750 | 61 | 1.525 | 40AH | 17.00 |
| 5042.178 | ACSR | Chukar | 1780 | 84/19 | 1.602 | 42AH | 17.00 |
| 5042.178 | ACSR | — | 2034 | 72/7 | 1.681 | 42AH | 17.00 |
| 5042.178 | AAC | Cowslip | 2000 | 91 | 1.630 | 42AH | 17.00 |
| 5044.181 | ACSR | Kiwi | 2167 | 72/7 | 1.737 | 44AH | 17.00 |
| 5044.181 | AAC | Sagebrush | 2250 | 91 | 1.729 | 44AH | 17.00 |
| 5044.181 | AAC | — | 2300 | 61 | 1.750 | 44AH | 17.00 |
| 5044.181 | AAC | — | 2300 | 91 | 1.750 | 44AH | 17.00 |
| 5044.184 | ACSR | Bluebird | 2156 | 84/19 | 1.762 | 44AH | 17.00 |
| 5044.188 | ACSR | Thrasher | 2312 | 76/19 | 1.802 | 44AH | 17.00 |
| 5044.188 | AAC | Lupine | 2500 | 91 | 1.823 | 44AH | 17.00 |
| 5048.197 | ACSR | Joree | 2515 | 76/19 | 1.880 | 48AH | 19.00 |
| 5048.197 | AAC | Bitterroot | 2750 | 91 | 1.912 | 48AH | 19.00 |

© 2010, AFL, all rights reserved. PP-3-00201, Revision 1, 11.21.2024
Specifications are subject to change without notice.

# Tee Connector—5500 Series for ACSR Conductors, Open Run




The 5500 Series Tee Connector is a permanent drop designed for ACSR conductors. The tee connector is fabricated from AFL seamless drawn aluminum.

The run portion incorporates an improved design of interlocking extrusions, providing a permanent grip on the conductor when compressed.

The branch portion of the tee connector is designed for limited tension use, maintaining a minimum of 40% of the ASTM rated strength of the conductor on which it is being used.

For die size sections 30AH and above, the end tapers of the compression portions of all compression accessories are supplied with a high voltage finish.

## Ordering Instructions

**Step 1: Determine Run Catalog Number**
Determine the run catalog number based on the conductor being used.

**Step 2: Determine Branch Catalog Number**
Determine the branch catalog number based on the conductor being used.

**Step 3: Assemble Catalog Number**

| Run Catalog Number | + | Branch Catalog Number |
|---|---|---|

**Example:**
For 795 Drake Conductor in both Run and Branch, the complete catalog number is:

**5530.3 – 30.116**

**Notes:**
1. AFL Filler Compound (AFC) requirements are on page 115.
2. Installation Instructions for Open Run Tee Connectors are on page 144.

© 2004, AFL, all rights reserved. PP-3-00909, Revision 7, 4.27.2026
Specifications are subject to change without notice.

# Tee Connector—5500 Series for ACSR Conductors, Open Run (cont.)

| CONDUCTOR | | | | CATALOG NUMBER | | DIE SIZE | WEIGHT | | | | DIMENSIONS | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CODE WORD | SIZE | STRANDING | DIA. | RUN CONDUCTOR | BRANCH CONDUCTOR | ALUMINUM HEX DIE | RUN | | BRANCH | | A | | B | |
| | KCMIL | AL/ST | IN | | | | LBS | KG | LBS | KG | IN | MM | IN | MM |
| Raven | 1/0 | 6/1 | 0.398 | 5574 | 74.438 | 74AH | 0.2 | 0.10 | 0.2 | 0.09 | 7.6 | 192 | 5.5 | 140 |
| Quail | 2/0 | 6/1 | 0.447 | 5574 | 74.438 | 74AH | 0.2 | 0.10 | 0.2 | 0.09 | 7.6 | 192 | 5.5 | 140 |
| Pigeon | 3/0 | 6/1 | 0.502 | 5575 | 75.547 | 75AH | 0.4 | 0.18 | 0.3 | 0.14 | 8.6 | 217 | 6.0 | 152 |
| Penguin | 4/0 | 6/1 | 0.563 | 5575 | 75.609 | 75AH | 0.4 | 0.18 | 0.3 | 0.14 | 8.6 | 217 | 6.0 | 152 |
| Waxwing | 266.8 | 18/1 | 0.609 | 5576 | 76.656 | 76AH | 0.7 | 0.30 | 0.5 | 0.23 | 10.0 | 254 | 6.5 | 165 |
| Owl | 266.8 | 6/7 | 0.633 | 5576 | 76.688 | 76AH | 0.7 | 0.30 | 0.5 | 0.23 | 10.0 | 254 | 6.5 | 165 |
| Partridge | 266.8 | 26/7 | 0.642 | 5576 | 76.688 | 76AH | 0.7 | 0.30 | 0.5 | 0.23 | 10.0 | 254 | 6.5 | 165 |
| Ostrich | 300.0 | 26/7 | 0.680 | 5576 | 76.719 | 76AH | 0.7 | 0.30 | 0.5 | 0.23 | 10.0 | 254 | 6.5 | 165 |
| Merlin | 336.4 | 18/1 | 0.684 | 5576 | 76.719 | 76AH | 0.7 | 0.30 | 0.5 | 0.23 | 10.0 | 254 | 6.5 | 165 |
| Linnet | 336.4 | 26/7 | 0.720 | 5576 | 76.781 | 76AH | 0.7 | 0.30 | 0.5 | 0.23 | 10.0 | 254 | 6.5 | 165 |
| Chickadee | 397.5 | 18/1 | 0.743 | 5576 | 76.781 | 76AH | 0.7 | 0.30 | 0.5 | 0.23 | 10.0 | 254 | 6.5 | 165 |
| Linnet | 336.4 | 26/7 | 0.720 | 5520.3 | 20.781 | 20AH | 1.0 | 0.45 | 0.6 | 0.27 | 14.5 | 368 | 7.6 | 194 |
| Oriole | 336.4 | 30/7 | 0.741 | 5520.3 | 20.781 | 20AH | 1.0 | 0.45 | 0.6 | 0.27 | 14.5 | 368 | 7.6 | 194 |
| Chickadee | 397.5 | 18/1 | 0.743 | 5520.3 | 20.781 | 20AH | 1.0 | 0.45 | 0.6 | 0.27 | 14.5 | 368 | 7.6 | 194 |
| Brant | 397.5 | 24/7 | 0.772 | 5520.3 | 20.812 | 20AH | 1.0 | 0.45 | 0.6 | 0.27 | 14.5 | 368 | 7.6 | 194 |
| Ibis | 397.5 | 26/7 | 0.783 | 5520.3 | 20.844 | 20AH | 1.0 | 0.45 | 0.6 | 0.27 | 14.5 | 368 | 7.6 | 194 |
| Lark | 397.5 | 30/7 | 0.806 | 5520.3 | 20.844 | 20AH | 1.0 | 0.45 | 0.6 | 0.27 | 14.5 | 368 | 7.6 | 194 |
| Pelican | 477.0 | 18/1 | 0.814 | 5524.3 | 24.875 | 24AH | 1.7 | 0.77 | 0.8 | 0.36 | 15.5 | 394 | 8.3 | 210 |
| Flicker | 477.0 | 24/7 | 0.846 | 5524.3 | 24.938 | 24AH | 1.7 | 0.77 | 0.8 | 0.36 | 15.5 | 394 | 8.3 | 210 |
| Hawk | 477.0 | 26/7 | 0.858 | 5524.3 | 24.938 | 24AH | 1.7 | 0.77 | 0.8 | 0.36 | 15.5 | 394 | 8.3 | 210 |
| Hen | 477.0 | 30/7 | 0.883 | 5524.3 | 24.938 | 24AH | 1.7 | 0.77 | 0.8 | 0.36 | 15.5 | 394 | 8.3 | 210 |
| Osprey | 556.5 | 18/1 | 0.879 | 5524.3 | 24.938 | 24AH | 1.7 | 0.77 | 0.8 | 0.36 | 15.5 | 394 | 8.3 | 210 |
| Parakeet | 556.5 | 24/7 | 0.914 | 5524.3 | 24.969 | 24AH | 1.7 | 0.77 | 0.8 | 0.36 | 15.5 | 394 | 8.3 | 210 |
| Dove | 556.5 | 26/7 | 0.927 | 5524.3 | 24.969 | 24AH | 1.7 | 0.77 | 0.8 | 0.36 | 15.5 | 394 | 8.3 | 210 |
| Eagle | 556.5 | 30/7 | 0.953 | 5527.3 | 27.100 | 27AH | 2.7 | 1.22 | 1.3 | 0.59 | 18.3 | 464 | 8.8 | 225 |
| Peacock | 605.0 | 24/7 | 0.953 | 5527.3 | 27.100 | 27AH | 2.7 | 1.22 | 1.3 | 0.59 | 18.3 | 464 | 8.8 | 225 |
| Squab | 605.0 | 26/7 | 0.966 | 5527.3 | 27.100 | 27AH | 2.7 | 1.22 | 1.3 | 0.59 | 18.3 | 464 | 8.8 | 225 |
| Teal | 605.0 | 30/19 | 0.994 | 5527.3 | 27.106 | 27AH | 2.7 | 1.22 | 1.3 | 0.59 | 18.3 | 464 | 8.8 | 225 |
| Swift | 636.0 | 36/1 | 0.930 | 5527.3 | 27.100 | 27AH | 2.7 | 1.22 | 1.3 | 0.59 | 18.3 | 464 | 8.8 | 225 |
| Kingbird | 636.0 | 18/1 | 0.940 | 5527.3 | 27.100 | 27AH | 2.7 | 1.22 | 1.3 | 0.59 | 18.3 | 464 | 8.8 | 225 |
| Rook | 636.0 | 24/7 | 0.977 | 5527.3 | 27.106 | 27AH | 2.7 | 1.22 | 1.3 | 0.59 | 18.3 | 464 | 8.8 | 225 |
| Grosbeak | 636.0 | 26/7 | 0.990 | 5527.3 | 27.106 | 27AH | 2.7 | 1.22 | 1.3 | 0.59 | 18.3 | 464 | 8.8 | 225 |
| Egret | 636.0 | 30/19 | 1.019 | 5527.3 | 27.106 | 27AH | 2.7 | 1.22 | 1.3 | 0.59 | 18.3 | 464 | 8.8 | 225 |
| Flamingo | 666.6 | 24/7 | 1.000 | 5527.3 | 27.106 | 27AH | 2.7 | 1.22 | 1.3 | 0.59 | 18.3 | 464 | 8.8 | 225 |
| Stilt | 715.5 | 24/7 | 1.036 | 5530.3 | 30.109 | 30AH | 3.3 | 1.50 | 1.7 | 0.77 | 19.1 | 486 | 9.4 | 240 |
| Starling | 715.5 | 26/7 | 1.051 | 5530.3 | 30.109 | 30AH | 3.3 | 1.50 | 1.7 | 0.77 | 19.1 | 486 | 9.4 | 240 |
| Redwing | 715.5 | 30/19 | 1.081 | 5530.3 | 30.116 | 30AH | 3.3 | 1.50 | 1.7 | 0.77 | 19.1 | 486 | 9.4 | 240 |
| Coot | 795.0 | 36/1 | 1.040 | 5530.3 | 30.109 | 30AH | 3.3 | 1.50 | 1.7 | 0.77 | 19.1 | 486 | 9.4 | 240 |

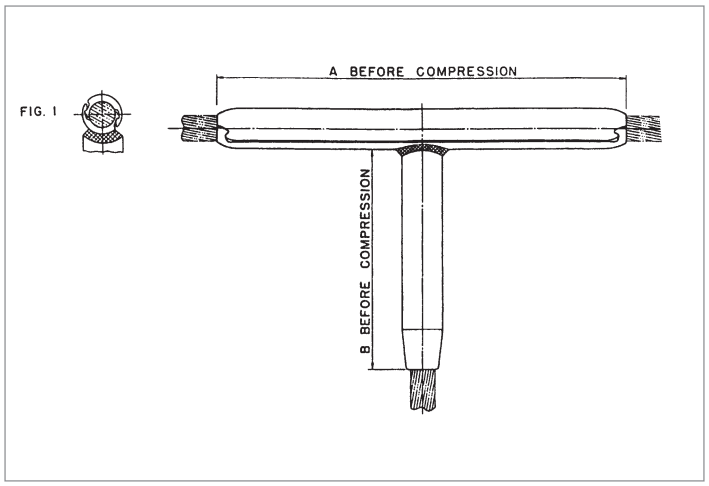
© 2004, AFL, all rights reserved. PP-3-00909, Revision 7, 4.27.2026
Specifications are subject to change without notice.

# Tee Connector—5500 Series for ACSR Conductors, Open Run (cont.)

| CONDUCTOR | | | | CATALOG NUMBER | | DIE SIZE | WEIGHT | | | | DIMENSIONS | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CODE WORD | SIZE | STRANDING | DIA. | RUN CONDUCTOR | BRANCH CONDUCTOR | ALUMINUM HEX DIE | RUN | | BRANCH | | A | | B | |
| | KCMIL | AL/ST | IN | | | | LBS | KG | LBS | KG | IN | MM | IN | MM |
| Tern | 795.0 | 45/7 | 1.063 | 5530.3 | 30.116 | 30AH | 3.3 | 1.50 | 1.7 | 0.77 | 19.1 | 486 | 9.4 | 240 |
| Condor | 795.0 | 54/7 | 1.093 | 5530.3 | 30.116 | 30AH | 3.3 | 1.50 | 1.7 | 0.77 | 19.1 | 486 | 9.4 | 240 |
| Drake | 795.0 | 26/7 | 1.108 | 5530.3 | 30.116 | 30AH | 3.3 | 1.50 | 1.7 | 0.77 | 19.1 | 486 | 9.4 | 240 |
| Mallard | 795.0 | 30/19 | 1.140 | 5530.3 | 30.122 | 30AH | 3.3 | 1.50 | 1.7 | 0.77 | 19.1 | 486 | 9.4 | 240 |
| Cuckoo | 795.0 | 24/7 | 1.092 | 5530.3 | 30.116 | 30AH | 3.3 | 1.50 | 1.7 | 0.77 | 19.1 | 486 | 9.4 | 240 |
| Ruddy | 900.0 | 45/7 | 1.131 | 5530.3 | 30.122 | 30AH | 3.3 | 1.50 | 1.7 | 0.77 | 19.1 | 486 | 9.4 | 240 |
| Canary | 900.0 | 54/7 | 1.162 | 5530.3 | 30.122 | 30AH | 3.3 | 1.50 | 1.7 | 0.77 | 19.1 | 486 | 9.4 | 240 |
| Catbird | 954.0 | 36/1 | 1.140 | 5530.3 | 30.122 | 30AH | 3.3 | 1.50 | 1.7 | 0.77 | 19.1 | 486 | 9.4 | 240 |
| Rail | 954.0 | 45/7 | 1.165 | 5530.3 | 30.122 | 30AH | 3.3 | 1.50 | 1.7 | 0.77 | 19.1 | 486 | 9.4 | 240 |
| Cardinal | 954.0 | 54/7 | 1.196 | 5530.3 | 30.125 | 30AH | 3.3 | 1.50 | 1.7 | 0.77 | 19.1 | 486 | 10.1 | 256 |
| Tanager | 1033.5 | 36/1 | 1.186 | 5530.3 | 30.125 | 30AH | 3.3 | 1.50 | 1.7 | 0.77 | 19.1 | 486 | 10.1 | 256 |
| 0rtolan | 1033.5 | 45/7 | 1.212 | 5534.3 | 34.128 | 34AH | 4.5 | 2.04 | 2.2 | 1.00 | 20.1 | 511 | 10.1 | 256 |
| Curlew | 1033.5 | 54/7 | 1.244 | 5534.3 | 34.134 | 34AH | 4.5 | 2.04 | 2.2 | 1.00 | 20.1 | 511 | 10.1 | 256 |
| Bluejay | 1113.0 | 45/7 | 1.259 | 5534.3 | 34.134 | 34AH | 4.5 | 2.04 | 2.2 | 1.00 | 20.1 | 511 | 10.1 | 256 |
| Bunting | 1192.5 | 45/7 | 1.302 | 5534.3 | 34.138 | 34AH | 4.5 | 2.04 | 2.2 | 1.00 | 20.1 | 511 | 10.1 | 256 |
| Bittern | 1272.0 | 45/7 | 1.345 | 5536.3 | 36.144 | 36AH | 5.0 | 2.27 | 2.5 | 1.13 | 21.0 | 533 | 10.6 | 270 |
| Pheasant | 1272.0 | 54/19 | 1.382 | 5536.3 | 36.147 | 36AH | 5.0 | 2.27 | 2.5 | 1.13 | 21.0 | 533 | 10.6 | 270 |
| Dipper | 1351.5 | 45/7 | 1.386 | 5536.3 | 36.147 | 36AH | 5.0 | 2.27 | 2.5 | 1.13 | 21.0 | 533 | 10.6 | 270 |
| Martin | 1351.5 | 54/19 | 1.424 | 5538.3 | 38.150 | 38AH | 5.9 | 2.68 | 3.0 | 1.36 | 21.9 | 556 | 11.2 | 284 |
| Bobolink | 1431.0 | 45/7 | 1.427 | 5538.3 | 38.150 | 38AH | 5.9 | 2.68 | 3.0 | 1.36 | 21.9 | 556 | 11.2 | 284 |
| Plover | 1431.0 | 54/19 | 1.465 | 5538.3 | 38.156 | 38AH | 5.9 | 2.68 | 3.0 | 1.36 | 21.9 | 556 | 11.2 | 284 |
| Nuthatch | 1510.5 | 45/7 | 1.466 | 5538.3 | 38.156 | 38AH | 5.9 | 2.68 | 3.0 | 1.36 | 21.9 | 556 | 11.2 | 284 |
| Parrot | 1510.5 | 54/19 | 1.506 | 5540.3 | 40.162 | 40AH | 6.6 | 2.99 | 3.4 | 1.54 | 22.8 | 578 | 11.8 | 298 |
| Lapwing | 1590.0 | 45/7 | 1.504 | 5540.3 | 40.162 | 40AH | 6.6 | 2.99 | 3.4 | 1.54 | 22.8 | 578 | 11.8 | 298 |
| Falcon | 1590.0 | 54/19 | 1.545 | 5540.3 | 40.162 | 40AH | 6.6 | 2.99 | 3.4 | 1.54 | 22.8 | 578 | 11.8 | 298 |
| Chukar | 1780.0 | 84/19 | 1.602 | 5542.3 | 42.178 | 42AH | 7.7 | 3.49 | 3.9 | 1.77 | 23.6 | 600 | 12.4 | 314 |
| — | 2034.0 | 72/7 | 1.681 | 5544.3 | 44.175 | 44AH | 6.8 | 3.08 | 4.0 | 1.81 | 24.5 | 622 | 12.0 | 305 |
| Bluebird | 2156.0 | 84/19 | 1.762 | 5544.3 | 44.184 | 44AH | 6.8 | 3.08 | 4.0 | 1.81 | 24.5 | 622 | 12.0 | 305 |
| Kiwi | 2167.0 | 72/7 | 1.737 | 5544.3 | 44.181 | 44AH | 6.8 | 3.08 | 4.0 | 1.81 | 24.5 | 622 | 12.0 | 305 |
| Thrasher | 2312.0 | 76/19 | 1.802 | 5544.3 | 44.188 | 44AH | 6.8 | 3.08 | 4.0 | 1.81 | 24.5 | 622 | 12.0 | 305 |
| Joree | 2515.0 | 76/19 | 1.880 | 5548.3 | 48.197 | 48AH | 9.1 | 4.13 | 5.2 | 2.36 | 24.5 | 622 | 14.0 | 356 |

© 2004, AFL, all rights reserved. PP-3-00909, Revision 7, 4.27.2026
Specifications are subject to change without notice.

# Tee Connector—5500 Series for AAC Conductors, Open Run




The 5500 Series Tee Connector is a permanent drop designed for AAC conductors. The tee connector is fabricated from AFL seamless drawn aluminum.

The run portion incorporates an improved design of interlocking extrusions, providing a permanent grip on the conductor when compressed.

The branch portion of the tee connector is designed for limited tension use, maintaining a minimum of 40% of the ASTM rated strength of the conductor on which it is being used.

For die size sections 30AH and above, the end tapers of the compression portions of all compression accessories are supplied with a high voltage finish.

## Ordering Instructions

**Step 1: Determine Run Catalog Number**
Determine the run catalog number based on the conductor being used.

**Step 2: Determine Branch Catalog Number**
Determine the branch catalog number based on the conductor being used.

**Step 3: Assemble Catalog Number**

| Run Catalog Number | + | Branch Catalog Number |
|---|---|---|

**Example:**
For 795 Arbutus conductor in both the Run and Branch, the complete catalog number is:

**5530.3 – 30.109**

**Notes:**
1. AFL Filler Compound (AFC) Requirements are on page 115.
2. Installation Instructions for Open Run Tee Connectors are on page 145.

© 2004, AFL, all rights reserved. PP-3-00910, Revision 6, 4.27.2026
Specifications are subject to change without notice.

# Tee Connector—5500 Series for AAC Conductors, Open Run (cont.)

| CONDUCTOR | | | | CATALOG NUMBER | | DIE SIZE | WEIGHT | | | | DIMENSIONS | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CODE WORD | SIZE | STRANDING | DIA. | RUN CONDUCTOR | BRANCH CONDUCTOR | | RUN | | BRANCH | | A | | B | |
| | KCMIL | AL | IN | | | | LBS | KG | LBS | KG | IN | MM | IN | MM |
| Aster | 2/0 | 7 | 0.414 | 5574 | 74.438 | 74AH | 0.2 | 0.10 | 0.2 | 0.09 | 7.6 | 192 | 5.5 | 140 |
| Phlox | 3/0 | 7 | 0.464 | 5574 | 74.484 | 74AH | 0.2 | 0.10 | 0.8 | 0.09 | 7.6 | 192 | 5.5 | 140 |
| Oxlip | 4/0 | 7 | 0.522 | 5575 | 75.547 | 75AH | 0.4 | 0.18 | 0.3 | 0.14 | 8.6 | 217 | 6.0 | 152 |
| Laurel | 266.8 | 19 | 0.593 | 5575 | 75.609 | 75AH | 0.4 | 0.18 | 0.3 | 0.14 | 8.6 | 217 | 6.0 | 152 |
| Tulip | 336.4 | 19 | 0.666 | 5576 | 76.688 | 76AH | 0.7 | 0.30 | 0.5 | 0.23 | 10.0 | 254 | 6.5 | 165 |
| Canna | 397.5 | 19 | 0.724 | 5576 | 76.750 | 76AH | 0.7 | 0.30 | 0.5 | 0.23 | 10.0 | 254 | 6.5 | 165 |
| Goldentuft | 450.0 | 19 | 0.770 | 5520.3 | 20.812 | 20AH | 1.0 | 0.45 | 0.6 | 0.27 | 14.5 | 368 | 7.6 | 164 |
| Yarrow | 450.0 | 37 | 0.772 | 5520.3 | 20.812 | 20AH | 1.0 | 0.45 | 0.6 | 0.27 | 14.5 | 368 | 7.6 | 164 |
| Cosmos | 477.0 | 19 | 0.793 | 5520.3 | 20.812 | 20AH | 1.0 | 0.45 | 0.6 | 0.27 | 14.5 | 368 | 7.6 | 164 |
| Syringa | 477.0 | 37 | 0.795 | 5520.3 | 20.812 | 20AH | 1.0 | 0.45 | 0.6 | 0.27 | 14.5 | 368 | 7.6 | 164 |
| Cosmos | 477.0 | 19 | 0.793 | 5524.3 | 24.875 | 24AH | 1.7 | 0.77 | 0.8 | 0.36 | 15.5 | 394 | 8.3 | 210 |
| Syringa | 477.0 | 37 | 0.795 | 5524.3 | 24.875 | 24AH | 1.7 | 0.77 | 0.8 | 0.36 | 15.5 | 394 | 8.3 | 210 |
| Zinnia | 500.0 | 19 | 0.811 | 5524.3 | 24.875 | 24AH | 1.7 | 0.77 | 0.8 | 0.36 | 15.5 | 394 | 8.3 | 210 |
| Hyacinth | 500.0 | 37 | 0.813 | 5524.3 | 24.875 | 24AH | 1.7 | 0.77 | 0.8 | 0.36 | 15.5 | 394 | 8.3 | 210 |
| Dahlia | 556.5 | 19 | 0.856 | 5524.3 | 24.938 | 24AH | 1.7 | 0.77 | 0.8 | 0.36 | 15.5 | 394 | 8.3 | 210 |
| Mistletoe | 556.5 | 37 | 0.858 | 5524.3 | 24.938 | 24AH | 1.7 | 0.77 | 0.8 | 0.36 | 15.5 | 394 | 8.3 | 210 |
| Meadowsweet | 600.0 | 37 | 0.891 | 5524.3 | 24.938 | 24AH | 1.7 | 0.77 | 0.8 | 0.36 | 15.5 | 394 | 8.3 | 210 |
| Orchid | 636.0 | 37 | 0.918 | 5524.3 | 24.969 | 24AH | 1.7 | 0.77 | 0.8 | 0.36 | 15.5 | 394 | 8.3 | 210 |
| Heuchera | 650.0 | 37 | 0.928 | 5524.3 | 24.969 | 24AH | 1.7 | 0.77 | 0.8 | 0.36 | 15.5 | 394 | 8.3 | 210 |
| Flag | 700.0 | 61 | 0.964 | 5527.3 | 27.100 | 27AH | 2.7 | 1.22 | 1.3 | 0.59 | 18.3 | 464 | 8.8 | 225 |
| Violet | 715.5 | 37 | 0.974 | 5527.3 | 27.106 | 27AH | 2.7 | 1.22 | 1.3 | 0.59 | 18.3 | 464 | 8.8 | 225 |
| Nasturtium | 715.5 | 61 | 0.975 | 5527.3 | 27.106 | 27AH | 2.7 | 1.22 | 1.3 | 0.59 | 18.3 | 464 | 8.8 | 225 |
| Petunia | 750.0 | 37 | 0.997 | 5527.3 | 27.106 | 27AH | 2.7 | 1.22 | 1.3 | 0.59 | 18.3 | 464 | 8.8 | 225 |
| Cattail | 750.0 | 61 | 0.998 | 5527.3 | 27.106 | 27AH | 2.7 | 1.22 | 1.3 | 0.59 | 18.3 | 464 | 8.8 | 225 |
| Arbutus | 795.0 | 37 | 1.026 | 5530.3 | 30.109 | 30AH | 3.3 | 1.50 | 1.7 | 0.77 | 19.1 | 486 | 9.4 | 240 |
| Lilac | 795.0 | 61 | 1.028 | 5530.3 | 30.109 | 30AH | 3.3 | 1.50 | 1.7 | 0.77 | 19.1 | 486 | 9.4 | 240 |
| — | 800.0 | 37 | 1.031 | 5530.3 | 30.109 | 30AH | 3.3 | 1.50 | 1.7 | 0.77 | 19.1 | 486 | 9.4 | 240 |
| Heliotrope | 800.0 | 61 | 1.031 | 5530.3 | 30.109 | 30AH | 3.3 | 1.50 | 1.7 | 0.77 | 19.1 | 486 | 9.4 | 240 |
| Snapdragon | 900.0 | 61 | 1.094 | 5530.3 | 30.116 | 30AH | 3.3 | 1.50 | 1.7 | 0.77 | 19.1 | 486 | 9.4 | 240 |
| Magnolia | 954.0 | 37 | 1.124 | 5530.3 | 30.122 | 30AH | 3.3 | 1.50 | 1.7 | 0.77 | 19.1 | 486 | 9.4 | 240 |
| Goldenrod | 954.0 | 61 | 1.126 | 5530.3 | 30.122 | 30AH | 3.3 | 1.50 | 1.7 | 0.77 | 19.1 | 486 | 9.4 | 240 |
| Camellia | 1000.0 | 61 | 1.152 | 5530.3 | 30.122 | 30AH | 3.3 | 1.50 | 1.7 | 0.77 | 19.1 | 486 | 9.4 | 240 |
| Bluebell | 1033.5 | 37 | 1.170 | 5530.3 | 30.122 | 30AH | 3.3 | 1.50 | 1.7 | 0.77 | 19.1 | 486 | 9.4 | 240 |
| Larkspur | 1033.5 | 61 | 1.172 | 5530.3 | 30.122 | 30AH | 3.3 | 1.50 | 1.7 | 0.77 | 19.1 | 486 | 9.4 | 240 |
| Marigold | 1113.0 | 61 | 1.216 | 5534.3 | 34.128 | 34AH | 4.5 | 2.04 | 2.2 | 1.00 | 20.1 | 511 | 10.1 | 256 |
| Hawthorn | 1192.5 | 61 | 1.258 | 5534.3 | 34.134 | 34AH | 4.5 | 2.04 | 2.2 | 1.00 | 20.1 | 511 | 10.1 | 256 |

© 2004, AFL, all rights reserved. PP-3-00910, Revision 6, 4.27.2026
Specifications are subject to change without notice.



AFLglobal.com
1 (800) 866-7385

# Tee Connector—5500 Series for AAC Conductors, Open Run (cont.)

| CONDUCTOR | | | | CATALOG NUMBER | | DIE SIZE | WEIGHT | | | | DIMENSIONS | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CODE WORD | SIZE | STRANDING | DIA. | RUN CONDUCTOR | BRANCH CONDUCTOR | | RUN | | BRANCH | | A | | B | |
| | KCMIL | AL | IN | | | | LBS | KG | LBS | KG | IN | MM | IN | MM |
| Narcissus | 1272.0 | 61 | 1.300 | 5534.3 | 34.134 | 34AH | 4.5 | 2.04 | 2.2 | 1.00 | 20.1 | 511 | 10.1 | 256 |
| Columbine | 1351.0 | 61 | 1.340 | 5536.3 | 36.144 | 36AH | 5.0 | 2.27 | 2.5 | 1.13 | 21.0 | 533 | 10.6 | 270 |
| Carnation | 1431.0 | 61 | 1.379 | 5536.3 | 36.144 | 36AH | 5.0 | 2.27 | 2.5 | 1.13 | 21.0 | 533 | 10.6 | 270 |
| — | 1500.0 | 91 | 1.412 | 5536.3 | 36.147 | 36AH | 5.0 | 2.27 | 2.5 | 1.13 | 21.0 | 533 | 10.6 | 270 |
| Gladiolus | 1510.5 | 61 | 1.187 | 5536.3 | 36.147 | 36AH | 5.0 | 2.27 | 2.5 | 1.13 | 21.0 | 533 | 10.6 | 270 |
| Coreopsis | 1590.0 | 61 | 1.250 | 5538.3 | 38.156 | 38AH | 5.9 | 2.68 | 3.0 | 1.36 | 21.9 | 556 | 11.2 | 284 |
| Dogwood | 1590.0 | 91 | 1.454 | 5538.3 | 38.156 | 38AH | 5.9 | 2.68 | 3.0 | 1.36 | 21.9 | 556 | 11.2 | 284 |
| Jessamine | 1750.0 | 61 | 1.525 | 5540.3 | 40.162 | 40AH | 6.6 | 2.99 | 3.4 | 1.54 | 22.8 | 578 | 11.8 | 298 |
| Cowslip | 2000.0 | 91 | 1.630 | 5542.3 | 42.178 | 42AH | 7.7 | 3.49 | 3.9 | 1.77 | 23.6 | 600 | 12.4 | 314 |
| Sagebrush | 2250.0 | 91 | 1.729 | 5544.3 | 44.181 | 44AH | 6.8 | 3.08 | 4.0 | 1.81 | 24.5 | 622 | 12.0 | 305 |
| — | 2300.0 | 61 | 1.750 | 5544.3 | 44.181 | 44AH | 6.8 | 3.08 | 4.0 | 1.81 | 24.5 | 622 | 12.0 | 305 |
| — | 2300.0 | 91 | 1.750 | 5544.3 | 44.181 | 44AH | 6.8 | 3.08 | 4.0 | 1.81 | 24.5 | 622 | 12.0 | 305 |
| Lupine | 2500.0 | 91 | 1.823 | 5544.3 | 44.188 | 44AH | 6.8 | 3.08 | 4.0 | 1.81 | 24.5 | 622 | 12.0 | 305 |
| Bitterroot | 2750.0 | 91 | 1.912 | 5548.3 | 48.197 | 48AH | 9.1 | 4.13 | 5.2 | 2.36 | 24.5 | 622 | 14.0 | 358 |

© 2004, AFL, all rights reserved. PP-3-00910, Revision 6, 4.27.2026
Specifications are subject to change without notice.



AFL | AFLglobal.com
1 (800) 866-7385

# S5600 Series, S5100 Series Terminal Connectors

The S5600, S5100 Series Terminal Connector is designed for ACSR and AAC conductors. The terminal is fabricated from ACA seamless drawn aluminum.



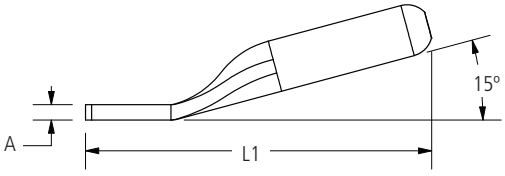
S5600



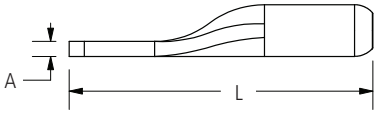
S5100

## Notes

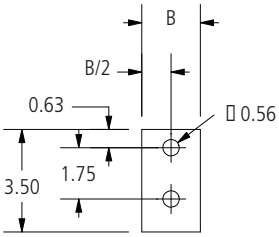
Other pads sizes can be custom ordered.



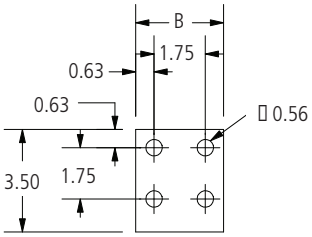

S5100



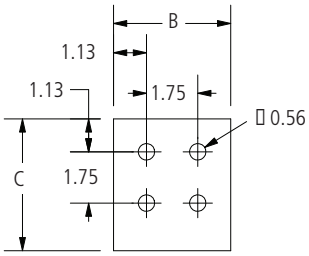

S5600



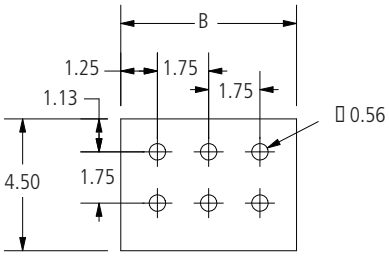

PAD B




PAD D




PAD E




PAD G

## Ordering Information

| Catalog Number | | Conductor | | | | | Die Size Aluminum Hex Die | Dimensions in Inches | | | | | Pad Size |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Straight | 15 Degree | ACSR or AAC | Code Word | Size KCMil | Stranding Al/St | Diameter in Inches | | A | B | C | L | L1 | |
| S5673.391 | S5173.391 | AAC | Poppy | 1/0 | 7 | 0.368 | 73AH | 0.20 | 1.00 | — | 7.44 | 6.44 | B |
| S5673.391D | S5173.391D | AAC | Poppy | 1/0 | 7 | 0.368 | 73AH | 0.50 | 3.00 | — | 7.84 | 6.44 | D |
| S5674.438 | S5174.438 | ACSR | Raven | 1/0 | 6/1 | 0.398 | 74AH | 0.30 | 1.00 | — | 7.81 | 7.31 | B |
| | | AAC | Aster | 2/0 | 7 | 0.414 | | | | | | | |
| S5674.438D | S5174.438D | ACSR | Raven | 1/0 | 6/1 | 0.398 | 74AH | 0.50 | 3.00 | — | 7.84 | 7.31 | D |
| | | AAC | Aster | 2/0 | 7 | 0.414 | | | | | | | |
| S5674.484 | S5174.484 | ACSR | Quail | 2/0 | 6/1 | 0.447 | 74AH | 0.30 | 1.00 | — | 7.81 | 7.31 | B |
| | | ACSR | Phlox | 3/0 | 7 | 0.464 | | | | | | | |
| S5675.547 | S5175.547 | ACSR | Pigeon | 3/0 | 6/1 | 0.502 | 75AH | 0.50 | 1.00 | — | 8.38 | 7.00 | B |
| | | AAC | Oxlip | 4/0 | 7 | 0.522 | | | | | | | |
| S5675.547D | S5175.547D | ACSR | Pigeon | 3/0 | 6/1 | 0.502 | 75AH | 0.50 | 3.00 | — | 8.20 | 6.88 | D |
| | | AAC | Oxlip | 4/0 | 7 | 0.522 | | | | | | | |
| S5675.609 | S5175.609 | ACSR | Penguin | 4/0 | 6/1 | 0.563 | 75AH | 0.50 | 1.00 | — | 8.38 | 7.00 | B |
| | | AAC | Valerian | 250 | 19 | 0.575 | | | | | | | |
| | | AAC | Laurel | 266.8 | 19 | 0.593 | | | | | | | |

© 2010, AFL, all rights reserved. PP-3-00435, Revision 9, 11.14.2024
Specifications are subject to change without notice.

# S5600 Series, S5100 Series Terminal Connectors (cont.)

## Ordering Information

| Catalog Number | | Conductor | | | | | Die Size Aluminum Hex Die | Dimensions in Inches | | | | | Pad Size |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Straight | 15 Degree | ACSR or AAC | Code Word | Size KCMil | Stranding Al/St | Diameter in Inches | | A | B | C | L | L1 | |
| S5675.609D | S5175.609D | ACSR | Penguin | 4/0 | 6/1 | 0.563 | 75AH | 0.50 | 3.00 | — | 8.18 | 7.00 | D |
| | | AAC | Valerian | 250 | 19 | 0.575 | | | | | | | |
| | | AAC | Laurel | 266.8 | 19 | 0.593 | | | | | | | |
| S5676.656 | S5176.656 | ACSR | Waxwing | 266.8 | 18/1 | 0.609 | 76AH | 0.60 | 1.30 | — | 8.81 | 9.00 | B |
| | | AAC | Peony | 300 | 19 | 0.629 | | | | | | | |
| S5676.656D | S5176.656D | ACSR | Waxwing | 266.8 | 18/1 | 0.609 | 76AH | 0.50 | 3.00 | — | 7.36 | 9.00 | D |
| | | AAC | Peony | 300 | 19 | 0.629 | | | | | | | |
| S5676.688 | S5176.688 | ACSR | Owl | 266.8 | 6/7 | 0.633 | 76AH | 0.60 | 1.30 | — | 8.81 | 9.00 | B |
| | | ACSR | Partridge | 266.8 | 26/7 | 0.642 | | | | | | | |
| | | AAC | Tulip | 336.4 | 19 | 0.666 | | | | | | | |
| S5676.688D | S5176.688D | ACSR | Owl | 266.8 | 6/7 | 0.633 | 76AH | 0.50 | 3.00 | — | 7.34 | 9.00 | D |
| | | ACSR | Partridge | 266.8 | 26/7 | 0.642 | | | | | | | |
| | | AAC | Tulip | 336.4 | 19 | 0.666 | | | | | | | |
| S5620.719 | S5120.719 | AAC | Daffodil | 350 | 19 | 0.679 | 20AH | 0.50 | 1.30 | — | 10.50 | 8.50 | B |
| S5676.719 | S5176.719 | ACSR | Ostrich | 300 | 26/7 | 0.680 | 76AH | 0.50 | 1.30 | — | 8.81 | 9.00 | B |
| | | ACSR | Merlin | 336.4 | 18/1 | 0.684 | | | | | | | |
| S5676.719D | S5176.719D | ACSR | Ostrich | 300 | 26/7 | 0.680 | 76AH | 0.50 | 3.00 | — | 7.33 | 8.76 | D |
| | | ACSR | Merlin | 336.4 | 18/1 | 0.684 | | | | | | | |
| S5620.781 | S5120.781 | ACSR | Linnet | 336.4 | 26/7 | 0.720 | 20AH | 0.50 | 1.30 | — | 10.50 | 8.50 | B |
| | | ACSR | Oriole | 336.4 | 30/7 | 0.741 | | | | | | | |
| | | ACSR | Chickadee | 397.5 | 18/1 | 0.743 | | | | | | | |
| S5620.781D | S5120.781D | ACSR | Linnet | 336.4 | 26/7 | 0.720 | 20AH | 0.50 | 3.00 | — | 7.61 | 8.50 | D |
| | | ACSR | Oriole | 336.4 | 30/7 | 0.741 | | | | | | | |
| | | ACSR | Chickadee | 397.5 | 18/1 | 0.743 | | | | | | | |
| S5676.781 | S5176.781 | ACSR | Linnet | 336.4 | 26/7 | 0.720 | 76AH | 0.50 | 1.30 | — | 8.81 | 9.00 | B |
| | | ACSR | Chickadee | 397.5 | 18/1 | 0.743 | | | | | | | |
| S5676.781D | S5176.781D | ACSR | Linnet | 336.4 | 26/7 | 0.720 | 76AH | 0.50 | 3.00 | — | 7.36 | 9.00 | D |
| | | ACSR | Chickadee | 397.5 | 18/1 | 0.743 | | | | | | | |
| S5676.750 | S5176.750 | AAC | Canna | 397.5 | 19 | 0.724 | 76AH | 0.50 | 1.30 | — | 8.81 | 9.00 | B |
| S5676.750D | S5176.750D | AAC | Canna | 397.5 | 19 | 0.724 | 76AH | 0.50 | 3.00 | — | 8.31 | 9.00 | D |
| S5620.812 | S5120.812 | ACSR | Brant | 397.5 | 24/7 | 0.772 | 20AH | 0.50 | 1.30 | — | 10.50 | 8.50 | B |
| | | AAC | Goldentuft | 450 | 19 | 0.770 | | | | | | | |
| | | AAC | Yarrow | 450 | 37 | 0.772 | | | | | | | |
| | | AAC | Cosmos | 477 | 19 | 0.793 | | | | | | | |
| | | AAC | Syringa | 477 | 37 | 0.795 | | | | | | | |
| S5620.812D | S5120.812D | ACSR | Brant | 397.5 | 24/7 | 0.772 | 20AH | 0.50 | 3.00 | — | 8.47 | 8.50 | D |
| | | AAC | Goldentuft | 450 | 19 | 0.770 | | | | | | | |
| | | AAC | Yarrow | 450 | 37 | 0.772 | | | | | | | |
| | | AAC | Cosmos | 477 | 19 | 0.793 | | | | | | | |
| | | AAC | Syringa | 477 | 37 | 0.795 | | | | | | | |
| S5620.844 | S5120.844 | ACSR | Ibis | 397.5 | 26/7 | 0.783 | 20AH | 0.50 | 1.30 | — | 10.50 | 8.50 | B |
| | | ACSR | Lark | 397.5 | 30/7 | 0.806 | | | | | | | |
| S5624.875 | S5124.875 | ACSR | Pelican | 477 | 18/1 | 0.814 | 24AH | 0.60 | 1.50 | — | 11.46 | 10.25 | B |
| | | AAC | Cosmos | 477 | 19 | 0.793 | | | | | | | |
| | | AAC | Syringa | 477 | 37 | 0.795 | | | | | | | |
| | | AAC | Zinnia | 500 | 19 | 0.811 | | | | | | | |
| | | AAC | Hyacinth | 500 | 37 | 0.813 | | | | | | | |

© 2010, AFL, all rights reserved. PP-3-00435, Revision 9, 11.14.2024
Specifications are subject to change without notice.

# S5600 Series, S5100 Series Terminal Connectors (cont.)

## Ordering Information

| Catalog Number | | Conductor | | | | | Die Size Aluminum Hex Die | Dimensions in Inches | | | | | Pad Size |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Straight | 15 Degree | ACSR or AAC | Code Word | Size KCMil | Stranding Al/St | Diameter in Inches | | A | B | C | L | L1 | |
| S5624.875D | S5124.875D | ACSR | Pelican | 477 | 18/1 | 0.814 | 24AH | 0.50 | 3.00 | — | 8.78 | 10.25 | D |
| | | AAC | Cosmos | 477 | 19 | 0.793 | | | | | | | |
| | | AAC | Syringa | 477 | 37 | 0.795 | | | | | | | |
| | | AAC | Zinnia | 500 | 19 | 0.811 | | | | | | | |
| | | AAC | Hyacinth | 500 | 37 | 0.813 | | | | | | | |
| S5624.938 | S5124.938 | ACSR | Flicker | 477 | 24/7 | 0.846 | 24AH | 0.60 | 1.50 | — | 11.46 | 10.25 | B |
| | | ACSR | Hawk | 477 | 26/7 | 0.858 | | | | | | | |
| | | ACSR | Hen | 477 | 30/7 | 0.883 | | | | | | | |
| | | ACSR | Osprey | 556.5 | 18/1 | 0.879 | | | | | | | |
| | | AAC | Dahlia | 556.5 | 19 | 0.856 | | | | | | | |
| | | AAC | Mistletoe | 556.5 | 37 | 0.858 | | | | | | | |
| | | AAC | Meadowsweet | 600 | 37 | 0.891 | | | | | | | |
| S5624.938D | S5124.938D | ACSR | Flicker | 477 | 24/7 | 0.846 | 24AH | 0.50 | 3.00 | — | 9.25 | 10.25 | D |
| | | ACSR | Hawk | 477 | 26/7 | 0.858 | | | | | | | |
| | | ACSR | Hen | 477 | 30/7 | 0.883 | | | | | | | |
| | | ACSR | Osprey | 556.5 | 18/1 | 0.879 | | | | | | | |
| | | AAC | Dahlia | 556.5 | 19 | 0.856 | | | | | | | |
| | | AAC | Mistletoe | 556.5 | 37 | 0.858 | | | | | | | |
| | | AAC | Meadowsweet | 600 | 37 | 0.891 | | | | | | | |
| S5624.969 | S5124.969 | ACSR | Parakeet | 556.5 | 24/7 | 0.914 | 24AH | 0.60 | 1.50 | — | 11.46 | 10.25 | B |
| | | ACSR | Dove | 556.5 | 26/7 | 0.927 | | | | | | | |
| | | AAC | Orchid | 636 | 37 | 0.918 | | | | | | | |
| | | AAC | Heuchera | 650 | 37 | 0.928 | | | | | | | |
| S5624.969D | S5124.969D | ACSR | Parakeet | 556.5 | 24/7 | 0.914 | 24AH | 0.50 | 3.00 | — | 9.23 | 10.25 | D |
| | | ACSR | Dove | 556.5 | 26/7 | 0.927 | | | | | | | |
| | | AAC | Orchid | 636 | 37 | 0.918 | | | | | | | |
| | | AAC | Heuchera | 650 | 37 | 0.928 | | | | | | | |
| S5624.969E | S5124.969E | ACSR | Parakeet | 556.5 | 24/7 | 0.914 | 24AH | 0.50 | 4.00 | 4.00 | 9.83 | 10.25 | E |
| | | ACSR | Dove | 556.5 | 26/7 | 0.927 | | | | | | | |
| | | AAC | Orchid | 636 | 37 | 0.918 | | | | | | | |
| | | AAC | Heuchera | 650 | 37 | 0.928 | | | | | | | |
| S5627.100 | S5127.100 | ACSR | Eagle | 556.5 | 30/7 | 0.953 | 27AH | 0.40 | 3.00 | — | 11.72 | 10.82 | D |
| | | ACSR | Peacock | 605 | 24/7 | 0.953 | | | | | | | |
| | | ACSR | Squab | 605 | 26/7 | 0.966 | | | | | | | |
| | | ACSR | Swift | 636 | 36/1 | 0.930 | | | | | | | |
| | | ACSR | Kingbird | 636 | 18/1 | 0.940 | | | | | | | |
| | | AAC | Flag | 700 | 61 | 0.964 | | | | | | | |
| S5627.106 | S5127.106 | ACSR | Teal | 605 | 30/19 | 0.994 | 27AH | 0.40 | 3.00 | — | 11.72 | 10.82 | D |
| | | ACSR | Rook | 636 | 24/7 | 0.977 | | | | | | | |
| | | ACSR | Grosbeak | 636 | 26/7 | 0.990 | | | | | | | |
| | | ACSR | Egret | 636 | 30/19 | 1.019 | | | | | | | |
| | | ACSR | Flamingo | 666.6 | 24/7 | 1.000 | | | | | | | |
| | | AAC | Violet | 715.5 | 37 | 0.974 | | | | | | | |
| | | AAC | Nasturtium | 715.5 | 61 | 0.975 | | | | | | | |
| | | AAC | Petunia | 750 | 37 | 0.997 | | | | | | | |
| | | AAC | Cattail | 750 | 61 | 0.998 | | | | | | | |

© 2010, AFL, all rights reserved. PP-3-00435, Revision 9, 11.14.2024
Specifications are subject to change without notice.

# S5600 Series, S5100 Series Terminal Connectors (cont.)

## Ordering Information

| Catalog Number | | Conductor | | | | | Die Size Aluminum Hex Die | Dimensions in Inches | | | | | Pad Size |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Straight | 15 Degree | ACSR or AAC | Code Word | Size KCMil | Stranding Al/St | Diameter in Inches | | A | B | C | L | L1 | |
| S5627.106E | S5127.106E | ACSR | Teal | 605 | 30/19 | 0.994 | 27AH | 0.50 | 4.00 | 4.00 | 10.06 | 10.07 | E |
| | | ACSR | Rook | 636 | 24/7 | 0.977 | | | | | | | |
| | | ACSR | Grosbeak | 636 | 26/7 | 0.990 | | | | | | | |
| | | ACSR | Egret | 636 | 30/19 | 1.019 | | | | | | | |
| | | ACSR | Flamingo | 666.6 | 24/7 | 1.000 | | | | | | | |
| | | AAC | Violet | 715.5 | 37 | 0.974 | | | | | | | |
| | | AAC | Nasturtium | 715.5 | 61 | 0.975 | | | | | | | |
| | | AAC | Petunia | 750 | 37 | 0.997 | | | | | | | |
| | | AAC | Cattail | 750 | 61 | 0.998 | | | | | | | |
| S5630.109 | S5130.109 | ACSR | Stilt | 715.5 | 24/7 | 1.036 | 30AH | 0.50 | 3.00 | — | 12.50 | 11.27 | D |
| | | ACSR | Starling | 715.5 | 26/7 | 1.051 | | | | | | | |
| | | ACSR | Coot | 795 | 36/1 | 1.040 | | | | | | | |
| | | AAC | Arbutus | 795 | 37 | 1.026 | | | | | | | |
| | | AAC | Lilac | 795 | 61 | 1.028 | | | | | | | |
| | | AAC | — | 800 | 37 | 1.031 | | | | | | | |
| | | AAC | Heliotrope | 800 | 61 | 1.031 | | | | | | | |
| S5630.109E | S5130.109E | ACSR | Stilt | 715.5 | 24/7 | 1.036 | 30AH | 0.50 | 4.00 | 4.00 | 9.74 | 9.67 | E |
| | | ACSR | Starling | 715.5 | 26/7 | 1.051 | | | | | | | |
| | | ACSR | Coot | 795 | 36/1 | 1.040 | | | | | | | |
| | | AAC | Arbutus | 795 | 37 | 1.026 | | | | | | | |
| | | AAC | Lilac | 795 | 61 | 1.028 | | | | | | | |
| | | AAC | — | 800 | 37 | 1.031 | | | | | | | |
| | | AAC | Heliotrope | 800 | 61 | 1.031 | | | | | | | |
| S5630.109G | S5130.109G | ACSR | Stilt | 715.5 | 24/7 | 1.036 | 30AH | 0.50 | 6.00 | — | 13.75 | 13.75 | G |
| | | ACSR | Starling | 715.5 | 26/7 | 1.051 | | | | | | | |
| | | ACSR | Coot | 795 | 36/1 | 1.040 | | | | | | | |
| | | AAC | Arbutus | 795 | 37 | 1.026 | | | | | | | |
| | | AAC | Lilac | 795 | 61 | 1.028 | | | | | | | |
| | | AAC | — | 800 | 37 | 1.031 | | | | | | | |
| | | AAC | Heliotrope | 800 | 61 | 1.031 | | | | | | | |
| S5630.116 | S5130.116 | ACSR | Redwing | 715.5 | 30/19 | 1.081 | 30AH | 0.50 | 3.00 | — | 12.50 | 11.27 | D |
| | | ACSR | Tern | 795 | 45/7 | 1.063 | | | | | | | |
| | | ACSR | Condor | 795 | 54/7 | 1.093 | | | | | | | |
| | | ACSR | Drake | 795 | 26/7 | 1.108 | | | | | | | |
| | | ACSR | Cuckoo | 795 | 24/7 | 1.092 | | | | | | | |
| | | AAC | Snapdragon | 900 | 61 | 1.094 | | | | | | | |
| S5630.116B | S5130.116B | ACSR | Redwing | 715.5 | 30/19 | 1.081 | 30AH | 0.69 | 1.75 | — | 12.50 | 12.75 | B |
| | | ACSR | Tern | 795 | 45/7 | 1.063 | | | | | | | |
| | | ACSR | Condor | 795 | 54/7 | 1.093 | | | | | | | |
| | | ACSR | Drake | 795 | 26/7 | 1.108 | | | | | | | |
| | | ACSR | Cuckoo | 795 | 24/7 | 1.092 | | | | | | | |
| | | AAC | Snapdragon | 900 | 61 | 1.094 | | | | | | | |
| S5630.116E | S5130.116E | ACSR | Redwing | 715.5 | 30/19 | 1.081 | 30AH | 1.00 | 4.00 | 4.50 | 13.75 | 11.22 | E |
| | | ACSR | Tern | 795 | 45/7 | 1.063 | | | | | | | |
| | | ACSR | Condor | 795 | 54/7 | 1.093 | | | | | | | |
| | | ACSR | Drake | 795 | 26/7 | 1.108 | | | | | | | |
| | | ACSR | Cuckoo | 795 | 24/7 | 1.092 | | | | | | | |
| | | AAC | Snapdragon | 900 | 61 | 1.094 | | | | | | | |

© 2010, AFL, all rights reserved. PP-3-00435, Revision 9, 11.14.2024
Specifications are subject to change without notice.



AFL | AFLglobal.com
1 (800) 890-8878

# S5600 Series, S5100 Series Terminal Connectors (cont.)

## Ordering Information

| Catalog Number | | Conductor | | | | | Die Size Aluminum Hex Die | Dimensions in Inches | | | | | Pad Size |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Straight | 15 Degree | ACSR or AAC | Code Word | Size KCMil | Stranding Al/St | Diameter in Inches | | A | B | C | L | L1 | |
| S5630.122 | S5130.122 | ACSR | Mallard | 795 | 30/19 | 1.140 | 30AH | 0.40 | 3.00 | — | 12.50 | 11.27 | D |
| | | ACSR | Ruddy | 900 | 45/7 | 1.131 | | | | | | | |
| | | ACSR | Canary | 900 | 54/7 | 1.162 | | | | | | | |
| | | ACSR | Catbird | 954 | 36/1 | 1.140 | | | | | | | |
| | | ACSR | Rail | 954 | 45/7 | 1.165 | | | | | | | |
| | | AAC | Magnolia | 954 | 37 | 1.124 | | | | | | | |
| | | AAC | Goldenrod | 954 | 61 | 1.126 | | | | | | | |
| | | AAC | Camellia | 1000 | 61 | 1.152 | | | | | | | |
| | | AAC | Bluebell | 1033.5 | 37 | 1.170 | | | | | | | |
| | | AAC | Larkspur | 1033.5 | 61 | 1.172 | | | | | | | |
| S5630.122E | — | ACSR | Mallard | 795 | 30/19 | 1.140 | 30AH | 0.50 | 4.00 | 4.00 | 10.05 | — | E |
| | | ACSR | Ruddy | 900 | 45/7 | 1.131 | | | | | | | |
| | | ACSR | Canary | 900 | 54/7 | 1.162 | | | | | | | |
| | | ACSR | Catbird | 954 | 36/1 | 1.140 | | | | | | | |
| | | ACSR | Rail | 954 | 45/7 | 1.165 | | | | | | | |
| | | AAC | Magnolia | 954 | 37 | 1.124 | | | | | | | |
| | | AAC | Goldenrod | 954 | 61 | 1.126 | | | | | | | |
| | | AAC | Camellia | 1000 | 61 | 1.152 | | | | | | | |
| | | AAC | Bluebell | 1033.5 | 37 | 1.170 | | | | | | | |
| | | AAC | Larkspur | 1033.5 | 61 | 1.172 | | | | | | | |
| — | S5130.122E | ACSR | Mallard | 795 | 30/19 | 1.140 | 30AH | 1.00 | 4.00 | 4.50 | —` | 11.27 | E |
| | | ACSR | Ruddy | 900 | 45/7 | 1.131 | | | | | | | |
| | | ACSR | Canary | 900 | 54/7 | 1.162 | | | | | | | |
| | | ACSR | Catbird | 954 | 36/1 | 1.140 | | | | | | | |
| | | ACSR | Rail | 954 | 45/7 | 1.165 | | | | | | | |
| | | AAC | Magnolia | 954 | 37 | 1.124 | | | | | | | |
| | | AAC | Goldenrod | 954 | 61 | 1.126 | | | | | | | |
| | | AAC | Camellia | 1000 | 61 | 1.152 | | | | | | | |
| | | AAC | Bluebell | 1033.5 | 37 | 1.170 | | | | | | | |
| | | AAC | Larkspur | 1033.5 | 61 | 1.172 | | | | | | | |
| S5630.125 | S5130.125 | ACSR | Cardinal | 954 | 54/7 | 1.196 | 30AH | 0.40 | 3.00 | — | 12.50 | 11.27 | B |
| | | ACSR | Tanager | 1033.5 | 36/1 | 1.186 | | | | | | | |
| S5630.125E | — | ACSR | Cardinal | 954 | 54/7 | 1.196 | 30AH | 0.50 | 4.00 | 4.00 | 10.03 | — | E |
| | | ACSR | Tanager | 1033.5 | 36/1 | 1.186 | | | | | | | |
| — | S5130.125E | ACSR | Cardinal | 954 | 54/7 | 1.196 | 30AH | 1.00 | 4.00 | 4.50 | — | 11.25 | E |
| | | ACSR | Tanager | 1033.5 | 36/1 | 1.186 | | | | | | | |
| S5634.128 | S5134.128 | ACSR | Ortolan | 1033.5 | 45/7 | 1.212 | 34AH | 0.60 | 3.00 | — | 12.20 | 12.44 | D |
| | | AAC | Marigold | 1113 | 61 | 1.216 | | | | | | | |
| S5634.134 | S5134.134 | ACSR | Curlew | 1033.5 | 54/7 | 1.244 | 34AH | 0.60 | 3.00 | — | 12.20 | 12.44 | D |
| | | ACSR | Bluejay | 1113 | 45/7 | 1.259 | | | | | | | |
| | | AAC | Hawthorn | 1192.5 | 61 | 1.258 | | | | | | | |
| | | AAC | Narcissus | 1272 | 61 | 1.300 | | | | | | | |
| S5634.134E | S5134.134E | ACSR | Curlew | 1033.5 | 54/7 | 1.244 | 34AH | 1.00 | 4.00 | 4.50 | 11.02 | 10.83 | E |
| | | ACSR | Bluejay | 1113 | 45/7 | 1.259 | | | | | | | |
| | | AAC | Hawthorn | 1192.5 | 61 | 1.258 | | | | | | | |
| | | AAC | Narcissus | 1272 | 61 | 1.300 | | | | | | | |
| S5634.138 | S5134.138 | ACSR | Bunting | 1192.5 | 45/7 | 1.302 | 34AH | 0.60 | 3.00 | — | 12.20 | 12.44 | D |
| | | ACSR | Finch | 1113 | 54/19 | 1.293 | | | | | | | |

© 2010, AFL, all rights reserved. PP-3-00435, Revision 9, 11.14.2024
Specifications are subject to change without notice.

# S5600 Series, S5100 Series Terminal Connectors (cont.)

## Ordering Information

| Catalog Number | | Conductor | | | | | Die Size Aluminum Hex Die | Dimensions in Inches | | | | | Pad Size |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Straight | 15 Degree | ACSR or AAC | Code Word | Size KCMil | Stranding Al/St | Diameter in Inches | | A | B | C | L | L1 | |
| S5636.144 | S5136.144 | ACSR | Bittern | 1272 | 45/7 | 1.345 | 36AH | 0.60 | 3.00 | — | 13.76 | 12.50 | D |
| | | ACSR | Grackle | 1192.5 | 54/19 | 1.333 | | | | | | | |
| | | AAC | Columbine | 1351 | 61 | 1.340 | | | | | | | |
| | | AAC | Carnation | 1431 | 61 | 1.379 | | | | | | | |
| S5636.144E | S5136.144E | ACSR | Bittern | 1272 | 45/7 | 1.345 | 36AH | 1.00 | 4.00 | 4.50 | 10.85 | 10.73 | E |
| | | ACSR | Grackle | 1192.5 | 54/19 | 1.333 | | | | | | | |
| | | AAC | Columbine | 1351 | 61 | 1.340 | | | | | | | |
| | | AAC | Carnation | 1431 | 61 | 1.379 | | | | | | | |
| S5636.147 | S5136.147 | ACSR | Pheasant | 1272 | 54/19 | 1.382 | 36AH | 0.60 | 3.00 | — | 13.76 | 12.50 | D |
| | | ACSR | Dipper | 1351.5 | 45/7 | 1.386 | | | | | | | |
| | | ACSR | — | 1500 | 91 | 1.412 | | | | | | | |
| | | AAC | Gladiolus | 1510.5 | 61 | 1.187 | | | | | | | |
| S5638.150 | S5138.150 | ACSR | Martin | 1351.5 | 54/19 | 1.424 | 38AH | 0.80 | 3.00 | — | 13.94 | 13.69 | D |
| | | ACSR | Bobolink | 1431 | 45/7 | 1.427 | | | | | | | |
| S5638.150E | S5138.150E | ACSR | Martin | 1351.5 | 54/19 | 1.424 | 38AH | 1.00 | 4.00 | 4.50 | 11.44 | 13.69 | E |
| | | ACSR | Bobolink | 1431 | 45/7 | 1.427 | | | | | | | |
| S5638.156 | S5138.156 | ACSR | Plover | 1431 | 54/19 | 1.465 | 38AH | 0.70 | 3.00 | — | 13.94 | 13.69 | D |
| | | ACSR | Nuthatch | 1510.5 | 45/7 | 1.466 | | | | | | | |
| | | AAC | Coreopsis | 1590 | 61 | 1.250 | | | | | | | |
| | | AAC | Dogwood | 1590 | 91 | 1.454 | | | | | | | |
| S5638.156E | S5138.156E | ACSR | Plover | 1431 | 54/19 | 1.465 | 38AH | 1.00 | 4.00 | 4.50 | 11.41 | 14.69 | E |
| | | ACSR | Nuthatch | 1510.5 | 45/7 | 1.466 | | | | | | | |
| | | AAC | Coreopsis | 1590 | 61 | 1.250 | | | | | | | |
| | | AAC | Dogwood | 1590 | 91 | 1.454 | | | | | | | |
| S5640.162 | S5140.162 | ACSR | Parrot | 1510.5 | 54/19 | 1.506 | 40AH | 0.70 | 4.00 | 4.50 | 15.58 | 14.88 | E |
| | | ACSR | Lapwing | 1590 | 45/7 | 1.504 | | | | | | | |
| | | ACSR | Falcon | 1590 | 54/19 | 1.545 | | | | | | | |
| | | AAC | Jessamine | 1750 | 61 | 1.525 | | | | | | | |
| S5640.162E | S5140.162E | ACSR | Parrot | 1510.5 | 54/19 | 1.506 | 40AH | 1.00 | 4.00 | 4.50 | 11.83 | 11.92 | E |
| | | ACSR | Lapwing | 1590 | 45/7 | 1.504 | | | | | | | |
| | | ACSR | Falcon | 1590 | 54/19 | 1.545 | | | | | | | |
| | | AAC | Jessamine | 1750 | 61 | 1.525 | | | | | | | |
| S5642.178 | S5142.178 | ACSR | Chukar | 1780 | 84/19 | 1.602 | 42AH | 0.66 | 4.00 | 4.50 | 15.91 | 15.50 | E |
| | | ACSR | — | 2034 | 72/7 | 1.681 | | | | | | | |
| | | AAC | Cowslip | 2000 | 91 | 1.630 | | | | | | | |
| S5644.181 | S5144.181 | ACSR | Kiwi | 2167 | 72/7 | 1.737 | 44AH | 0.70 | 4.00 | 4.50 | 17.84 | 16.00 | E |
| | | AAC | Sagebrush | 2250 | 91 | 1.729 | | | | | | | |
| | | AAC | — | 2300 | 61 | 1.750 | | | | | | | |
| | | AAC | — | 2300 | 91 | 1.750 | | | | | | | |
| S5644.184 | S5144.184 | ACSR | Bluebird | 2156 | 84/19 | 1.762 | 44AH | 0.70 | 4.00 | 4.50 | 17.84 | 16.00 | E |
| S5644.188 | S5144.188 | ACSR | Thrasher | 2312 | 76/19 | 1.802 | 44AH | 0.72 | 4.00 | 4.50 | 17.84 | 16.00 | E |
| | | AAC | Lupine | 2500 | 91 | 1.823 | | | | | | | |
| S5648.197 | S5148.197 | ACSR | Joree | 2515 | 76/19 | 1.880 | 48AH | 0.80 | 4.00 | 4.50 | 18.72 | 17.31 | E |
| | | AAC | Bitterroot | 2750 | 91 | 1.912 | | | | | | | |

© 2010, AFL, all rights reserved. PP-3-00435, Revision 9, 11.14.2024
Specifications are subject to change without notice.



AFL | AFLglobal.com
1 (800) 890-8878

# S5600-45 Series, S5800 Series Terminal Connectors

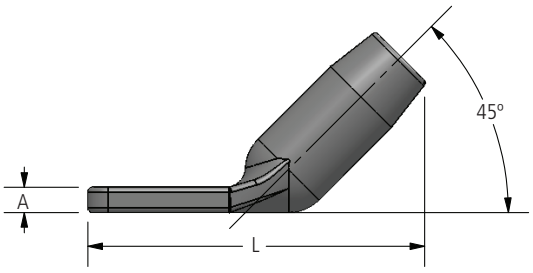
The S5600-45, S5800 Series Terminal Connector is designed for ACSR and AAC conductors. The terminal is fabricated from ACA seamless drawn aluminum.

### Notes

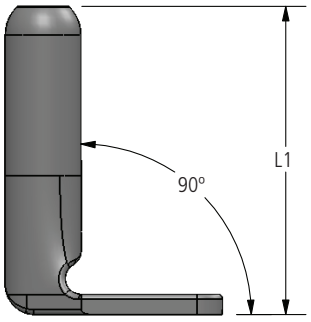
Other pads sizes can be custom ordered.



S5600-45



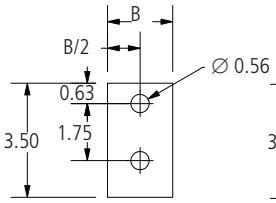

S5600-45



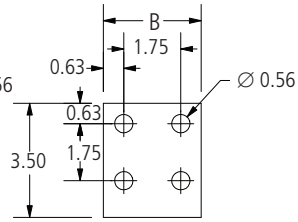

S5800



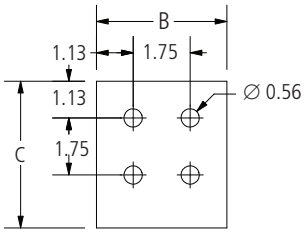
S5800



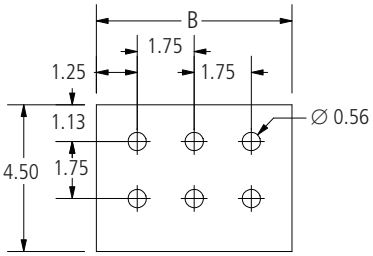

PAD B




PAD D




PAD E




PAD G

## Ordering Information

| Catalog Number | | Conductor | | | | | Die Size Aluminum Hex Die | Dimensions in inches | | | | | Pad Size |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45 Degree | 90 Degree | ACSR or AAC | Code Word | Size KCMIL | Stranding Al/St | Dimensions in inches | | A | B | C | L | L1 | |
| S5673.391-45 | S5873.391 | AAC | Poppy | 1/0 | 7 | 0.368 | 73AH | 0.20 | 1.00 | — | 5.04 | 5.04 | B |
| S5674.438-45 | S5874.438 | ACSR<br>AAC | Raven<br>Aster | 1/0<br>2/0 | 6/1<br>7 | 0.398<br>0.414 | 74AH | 0.30 | 1.00 | — | 5.28 | 5.28 | B |
| S5674.484-45 | S5874.484 | ACSR<br>ACSR | Quail<br>Phlox | 2/0<br>3/0 | 6/1<br>7 | 0.447<br>0.464 | 74AH | 0.30 | 1.00 | — | 5.28 | 5.28 | B |
| S5675.547-45 | S5875.547 | ACSR<br>AAC | Pigeon<br>Oxlip | 3/0<br>4/0 | 6/1<br>7 | 0.502<br>0.522 | 75AH | 0.50 | 1.00 | — | 5.71 | 5.71 | B |
| S5675.547D-45 | S5875.547D | ACSR<br>AAC | Pigeon<br>Oxlip | 3/0<br>4/0 | 6/1<br>7 | 0.502<br>0.522 | 75AH | 0.50 | 3.00 | — | 6.89 | 5.71 | D |
| S5675.609-45 | S5875.609 | ACSR<br>AAC<br>AAC | Penguin<br>Valerian<br>Laurel | 4/0<br>250<br>266.8 | 6/1<br>19<br>19 | 0.563<br>0.575<br>0.593 | 75AH | 0.50 | 1.00 | — | 5.71 | 5.71 | B |
| — | S5875.609D | ACSR<br>AAC<br>AAC | Penguin<br>Valerian<br>Laurel | 4/0<br>250<br>266.8 | 6/1<br>19<br>19 | 0.563<br>0.575<br>0.593 | 75AH | 0.50 | 3.00 | — | — | 4.82 | D |
| S5676.656-45 | S5876.656 | ACSR<br>AAC | Waxwing<br>Peony | 266.8<br>300 | 18/1<br>19 | 0.609<br>0.629 | 76AH | 0.60 | 1.30 | — | 5.35 | 5.35 | B |
| S5676.688-45 | S5876.688 | ACSR<br>ACSR<br>AAC | Owl<br>Partridge<br>Tulip | 266.8<br>266.8<br>336.4 | 6/7<br>26/7<br>19 | 0.633<br>0.642<br>0.666 | 76AH | 0.60 | 1.30 | — | 5.35 | 5.35 | B |

© 2010, AFL, all rights reserved. PP-3-00437, Revision 11, 11.26.2025
Specifications are subject to change without notice.

# S5600-45 Series, S5800 Series Terminal Connectors

## Ordering Information

| Catalog Number | | Conductor | | | | | Die Size Aluminum Hex Die | Dimensions in inches | | | | | Pad Size |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45 Degree | 90 Degree | ACSR or AAC | Code Word | Size KCMIL | Stranding Al/St | Dimensions in inches | | A | B | C | L | L1 | |
| S5676.688D-45 | S5876.688D | ACSR<br>ACSR<br>AAC | Owl<br>Partridge<br>Tulip | 266.8<br>266.8<br>336.4 | 6/7<br>26/7<br>19 | 0.633<br>0.642<br>0.666 | 76AH | 0.50 | 3.00 | — | 7.02 | 5.35 | D |
| S5620.719-45 | S5820.719 | AAC | Daffodil | 350 | 19 | 0.679 | 20AH | 0.50 | 1.30 | — | 6.13 | 6.13 | B |
| S5676.719-45 | S5876.719 | ACSR<br>ACSR | Ostrich<br>Merlin | 300<br>336.4 | 26/7<br>18/1 | 0.680<br>0.684 | 76AH | 0.50 | 1.30 | — | 5.35 | 5.35 | B |
| S5620.781-45 | S5820.781 | ACSR<br>ACSR<br>ACSR | Linnet<br>Oriole<br>Chickadee | 336.4<br>336.4<br>397.5 | 26/7<br>30/7<br>18/1 | 0.720<br>0.741<br>0.743 | 20AH | 0.50 | 1.30 | — | 6.13 | 6.13 | B |
| S5620.781D-45 | S5820.781D | ACSR<br>ACSR<br>ACSR | Linnet<br>Oriole<br>Chickadee | 336.4<br>336.4<br>397.5 | 26/7<br>30/7<br>18/1 | 0.720<br>0.741<br>0.743 | 20AH | 0.50 | 3.00 | — | 7.16 | 5.25 | D |
| S5676.781-45 | S5876.781 | ACSR<br>ACSR | Linnet<br>Chickadee | 336.4<br>397.5 | 26/7<br>18/1 | 0.720<br>0.743 | 76AH | 0.50 | 1.30 | — | 5.35 | 5.35 | B |
| S5676.750-45 | S5876.750 | AAC | Canna | 397.5 | 19 | 0.724 | 76AH | 0.50 | 1.30 | — | 5.35 | 5.35 | B |
| S5676.750D-45 | S5876.750D | AAC | Canna | 397.5 | 19 | 0.724 | 76AH | 0.50 | 3.00 | — | 7.02 | 3.98 | D |
| S5620.812-45 | S5820.812 | ACSR<br>AAC<br>AAC<br>AAC<br>AAC | Brant<br>Goldentuft<br>Yarrow<br>Cosmos<br>Syringa | 397.5<br>450<br>450<br>477<br>477 | 24/7<br>19<br>37<br>19<br>37 | 0.772<br>0.770<br>0.772<br>0.793<br>0.795 | 20AH | 0.50 | 1.30 | — | 6.13 | 6.13 | B |
| S5620.812D-45 | S5820.812D | ACSR<br>AAC<br>AAC<br>AAC<br>AAC | Brant<br>Goldentuft<br>Yarrow<br>Cosmos<br>Syringa | 397.5<br>450<br>450<br>477<br>477 | 24/7<br>19<br>37<br>19<br>37 | 0.772<br>0.770<br>0.772<br>0.793<br>0.795 | 20AH | 0.50 | 3.00 | — | 7.16 | 5.25 | D |
| S5620.844-45 | S5820.844 | ACSR<br>ACSR | Ibis<br>Lark | 397.5<br>397.5 | 26/7<br>30/7 | 0.783<br>0.806 | 20AH | 0.50 | 1.30 | — | 6.13 | 6.13 | B |
| S5624.875-45 | S5824.875 | ACSR<br>AAC<br>AAC<br>AAC<br>AAC | Pelican<br>Cosmos<br>Syringa<br>Zinnia<br>Hyacinth | 477<br>477<br>477<br>500<br>500 | 18/1<br>19<br>37<br>19<br>37 | 0.814<br>0.793<br>0.795<br>0.811<br>0.813 | 24AH | 0.60 | 1.50 | — | 7.58 | 7.58 | B |
| S5624.875D-45 | S5824.875D | ACSR<br>AAC<br>AAC<br>AAC<br>AAC | Pelican<br>Cosmos<br>Syringa<br>Zinnia<br>Hyacinth | 477<br>477<br>477<br>500<br>500 | 18/1<br>19<br>37<br>19<br>37 | 0.814<br>0.793<br>0.795<br>0.811<br>0.813 | 24AH | 0.50 | 3.00 | — | 8.27 | 6.81 | D |
| S5624.938-45 | S5824.938 | ACSR<br>ACSR<br>ACSR<br>ACSR<br>AAC<br>AAC<br>AAC | Flicker<br>Hawk<br>Hen<br>Osprey<br>Dahlia<br>Mistletoe<br>Meadowsweet | 477<br>477<br>477<br>556.5<br>556.5<br>556.5<br>600 | 24/7<br>26/7<br>30/7<br>18/1<br>19<br>37<br>37 | 0.846<br>0.858<br>0.883<br>0.879<br>0.856<br>0.858<br>0.891 | 24AH | 0.60 | 1.50 | — | 7.58 | 7.58 | B |
| S5624.938D-45 | S5824.938D | ACSR<br>ACSR<br>ACSR<br>ACSR<br>AAC<br>AAC<br>AAC | Flicker<br>Hawk<br>Hen<br>Osprey<br>Dahlia<br>Mistletoe<br>Meadowsweet | 477<br>477<br>477<br>556.5<br>556.5<br>556.5<br>600 | 24/7<br>26/7<br>30/7<br>18/1<br>19<br>37<br>37 | 0.846<br>0.858<br>0.883<br>0.879<br>0.856<br>0.858<br>0.891 | 24AH | 0.50 | 3.00 | — | 8.47 | 5.90 | D |
| S5624.969-45 | S5824.969 | ACSR<br>ACSR<br>AAC<br>AAC | Parakeet<br>Dove<br>Orchid<br>Heuchera | 556.5<br>556.5<br>636<br>650 | 24/7<br>26/7<br>37<br>37 | 0.914<br>0.927<br>0.918<br>0.928 | 24AH | 0.60 | 1.50 | — | 7.58 | 7.58 | B |
| S5624.969D-45 | S5824.969D | ACSR<br>ACSR<br>AAC<br>AAC | Parakeet<br>Dove<br>Orchid<br>Heuchera | 556.5<br>556.5<br>636<br>650 | 24/7<br>26/7<br>37<br>37 | 0.914<br>0.927<br>0.918<br>0.928 | 24AH | 0.50 | 3.00 | — | 8.83 | 5.34 | D |

© 2010, AFL, all rights reserved. PP-3-00437, Revision 11, 11.26.2025
Specifications are subject to change without notice.



AFL | AFLglobal.com
1 (800) 890-8878

# S5600-45 Series, S5800 Series Terminal Connectors

## Ordering Information

| CATALOG NUMBER | | CONDUCTOR | | | | | DIE SIZE ALUMINUM HEX DIE | DIMENSIONS (inches) | | | | | PAD SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45 DEGREE | 90 DEGREE | ACSR OR AAC | CODE WORD | SIZE KCMil | STRANDING Al/St | DIAMETER IN INCHES | | A | B | C | L | L1 | |
| S5627.100-45 | S5827.100 | ACSR | Eagle | 556.5 | 30/7 | 0.953 | 27AH | 0.40 | 3.00 | — | 7.35 | 7.35 | D |
| | | ACSR | Peacock | 605 | 24/7 | 0.953 | | | | | | | |
| | | ACSR | Squab | 605 | 26/7 | 0.966 | | | | | | | |
| | | ACSR | Swift | 636 | 36/1 | 0.930 | | | | | | | |
| | | ACSR | Kingbird | 636 | 18/1 | 0.940 | | | | | | | |
| | | AAC | Flag | 700 | 61 | 0.964 | | | | | | | |
| S5627.106-45 | S5827.106 | ACSR | Teal | 605 | 30/19 | 0.994 | 27AH | 0.40 | 3.00 | — | 7.35 | 7.35 | D |
| | | ACSR | Rook | 636 | 24/7 | 0.977 | | | | | | | |
| | | ACSR | Grosbeak | 636 | 26/7 | 0.990 | | | | | | | |
| | | ACSR | Egret | 636 | 30/19 | 1.019 | | | | | | | |
| | | ACSR | Flamingo | 666.6 | 24/7 | 1.000 | | | | | | | |
| | | AAC | Violet | 715.5 | 37 | 0.974 | | | | | | | |
| | | AAC | Nasturtium | 715.5 | 61 | 0.975 | | | | | | | |
| | | AAC | Petunia | 750 | 37 | 0.997 | | | | | | | |
| | | AAC | Cattail | 750 | 61 | 0.998 | | | | | | | |
| S5630.109-45 | S5830.109 | ACSR | Stilt | 715.5 | 24/7 | 1.036 | 30AH | 0.50 | 3.00 | — | 10.38 | 7.63 | D |
| | | ACSR | Starling | 715.5 | 26/7 | 1.051 | | | | | | | |
| | | ACSR | Coot | 795 | 36/1 | 1.040 | | | | | | | |
| | | AAC | Arbutus | 795 | 37 | 1.026 | | | | | | | |
| | | AAC | Lilac | 795 | 61 | 1.028 | | | | | | | |
| | | AAC | — | 800 | 37 | 1.031 | | | | | | | |
| | | AAC | Heliotrope | 800 | 61 | 1.031 | | | | | | | |
| S5630.109E-45 | — | ACSR | Stilt | 715.5 | 24/7 | 1.036 | 30AH | 1.00 | 4.00 | 4.50 | 9.75 | — | E |
| | | ACSR | Starling | 715.5 | 26/7 | 1.051 | | | | | | | |
| | | ACSR | Coot | 795 | 36/1 | 1.040 | | | | | | | |
| | | AAC | Arbutus | 795 | 37 | 1.026 | | | | | | | |
| | | AAC | Lilac | 795 | 61 | 1.028 | | | | | | | |
| | | AAC | — | 800 | 37 | 1.031 | | | | | | | |
| | | AAC | Heliotrope | 800 | 61 | 1.031 | | | | | | | |
| — | S5830.109E | ACSR | Stilt | 715.5 | 24/7 | 1.036 | 30AH | 0.50 | 4.00 | 4.50 | — | 7.63 | E |
| | | ACSR | Starling | 715.5 | 26/7 | 1.051 | | | | | | | |
| | | ACSR | Coot | 795 | 36/1 | 1.040 | | | | | | | |
| | | AAC | Arbutus | 795 | 37 | 1.026 | | | | | | | |
| | | AAC | Lilac | 795 | 61 | 1.028 | | | | | | | |
| | | AAC | — | 800 | 37 | 1.031 | | | | | | | |
| | | AAC | Heliotrope | 800 | 61 | 1.031 | | | | | | | |
| S5630.109G-45 | S5830.109G | ACSR | Stilt | 715.5 | 24/7 | 1.036 | 30AH | 0.50 | 6.00 | — | 7.63 | 7.63 | G |
| | | ACSR | Starling | 715.5 | 26/7 | 1.051 | | | | | | | |
| | | ACSR | Coot | 795 | 36/1 | 1.040 | | | | | | | |
| | | AAC | Arbutus | 795 | 37 | 1.026 | | | | | | | |
| | | AAC | Lilac | 795 | 61 | 1.028 | | | | | | | |
| | | AAC | — | 800 | 37 | 1.031 | | | | | | | |
| | | AAC | Heliotrope | 800 | 61 | 1.031 | | | | | | | |
| S5630.116-45 | S5830.116 | ACSR | Redwing | 715.5 | 30/19 | 1.081 | 30AH | 0.50 | 3.00 | — | 10.38 | 7.63 | D |
| | | ACSR | Tern | 795 | 45/7 | 1.063 | | | | | | | |
| | | ACSR | Condor | 795 | 54/7 | 1.093 | | | | | | | |
| | | ACSR | Drake | 795 | 26/7 | 1.108 | | | | | | | |
| | | ACSR | Cuckoo | 795 | 24/7 | 1.092 | | | | | | | |
| | | AAC | Snapdragon | 900 | 61 | 1.094 | | | | | | | |
| S5630.116E-45 | — | ACSR | Redwing | 715.5 | 30/19 | 1.081 | 30AH | 1.00 | 4.50 | 4.50 | 9.75 | — | E |
| | | ACSR | Tern | 795 | 45/7 | 1.063 | | | | | | | |
| | | ACSR | Condor | 795 | 54/7 | 1.093 | | | | | | | |
| | | ACSR | Drake | 795 | 26/7 | 1.108 | | | | | | | |
| | | ACSR | Cuckoo | 795 | 24/7 | 1.092 | | | | | | | |
| | | AAC | Snapdragon | 900 | 61 | 1.094 | | | | | | | |
| — | S5830.116E | ACSR | Redwing | 715.5 | 30/19 | 1.081 | 30AH | 0.50 | 4.00 | 4.00 | — | 7.63 | E |
| | | ACSR | Tern | 795 | 45/7 | 1.063 | | | | | | | |
| | | ACSR | Condor | 795 | 54/7 | 1.093 | | | | | | | |
| | | ACSR | Drake | 795 | 26/7 | 1.108 | | | | | | | |
| | | ACSR | Cuckoo | 795 | 24/7 | 1.092 | | | | | | | |
| | | AAC | Snapdragon | 900 | 61 | 1.094 | | | | | | | |

© 2010, AFL, all rights reserved. PP-3-00437, Revision 11, 11.26.2025
Specifications are subject to change without notice.

# S5600-45 Series, S5800 Series Terminal Connectors

## Ordering Information

| CATALOG NUMBER | | CONDUCTOR | | | | | DIE SIZE ALUMINUM HEX DIE | DIMENSIONS (inches) | | | | | PAD SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45 DEGREE | 90 DEGREE | ACSR OR AAC | CODE WORD | SIZE KCMil | STRANDING Al/St | DIAMETER IN INCHES | | A | B | C | L | L1 | |
| S5630.122-45 | S5830.122 | ACSR<br>ACSR<br>ACSR<br>ACSR<br>ACSR<br>AAC<br>AAC<br>AAC<br>AAC<br>AAC | Mallard<br>Ruddy<br>Canary<br>Catbird<br>Rail<br>Magnolia<br>Goldenrod<br>Camellia<br>Bluebell<br>Larkspur | 795<br>900<br>900<br>954<br>954<br>954<br>954<br>1000<br>1033.5<br>1033.5 | 30/19<br>45/7<br>54/7<br>36/1<br>45/7<br>37<br>61<br>61<br>37<br>61 | 1.140<br>1.131<br>1.162<br>1.140<br>1.165<br>1.124<br>1.126<br>1.152<br>1.170<br>1.172 | 30AH | 0.40 | 3.00 | — | 10.38 | 7.63 | D |
| S5630.125-45 | S5830.125 | ACSR<br>ACSR | Cardinal<br>Tanager | 954<br>1033.5 | 54/7<br>36/1 | 1.196<br>1.186 | 30AH | 0.40 | 3.00 | — | 10.38 | 7.63 | D |
| — | S5830.125E | ACSR<br>ACSR | Cardinal<br>Tanager | 954<br>1033.5 | 54/7<br>36/1 | 1.196<br>1.186 | 30AH | 0.50 | 4.00 | 4.00 | — | 7.63 | E |
| S5634.128-45 | S5834.128 | ACSR<br>AAC | Ortolan<br>Marigold | 1033.5<br>1113 | 45/7<br>61 | 1.212<br>1.216 | 34AH | 0.60 | 3.00 | — | 10.50 | 8.20 | D |
| S5634.134-45 | S5834.134 | ACSR<br>ACSR<br>AAC<br>AAC | Curlew<br>Bluejay<br>Hawthorn<br>Narcissus | 1033.5<br>1113<br>1192.5<br>1272 | 54/7<br>45/7<br>61<br>61 | 1.244<br>1.259<br>1.258<br>1.300 | 34AH | 0.60 | 3.00 | — | 10.50 | 8.20 | D |
| S5634.134E-45 | — | ACSR<br>ACSR<br>AAC<br>AAC | Curlew<br>Bluejay<br>Hawthorn<br>Narcissus | 1033.5<br>1113<br>1192.5<br>1272 | 54/7<br>45/7<br>61<br>61 | 1.244<br>1.259<br>1.258<br>1.300 | 34AH | 1.00 | 4.00 | 4.50 | 10.08 | — | E |
| — | S5834.134E | ACSR<br>ACSR<br>AAC<br>AAC | Curlew<br>Bluejay<br>Hawthorn<br>Narcissus | 1033.5<br>1113<br>1192.5<br>1272 | 54/7<br>45/7<br>61<br>61 | 1.244<br>1.259<br>1.258<br>1.300 | 34AH | 1.00 | 4.00 | 4.00 | — | 10.08 | E |
| S5634.138-45 | S5834.138 | ACSR<br>ACSR | Bunting<br>Finch | 1192.5<br>1113 | 45/7<br>54/19 | 1.302<br>1.293 | 34AH | 0.60 | 3.00 | — | 10.50 | 8.20 | D |
| S5636.144-45 | S5836.144 | ACSR<br>ACSR<br>AAC<br>AAC | Bittern<br>Grackle<br>Columbine<br>Carnation | 1272<br>1192.5<br>1351<br>1431 | 45/7<br>54/19<br>61<br>61 | 1.345<br>1.333<br>1.340<br>1.379 | 36AH | 0.60 | 3.00 | — | 10.70 | 8.23 | D |
| S5636.144E-45 | S5836.144E | ACSR<br>ACSR<br>AAC<br>AAC | Bittern<br>Grackle<br>Columbine<br>Carnation | 1272<br>1192.5<br>1351<br>1431 | 45/7<br>54/19<br>61<br>61 | 1.345<br>1.333<br>1.340<br>1.379 | 36AH | 1.00 | 4.00 | 3.63 | 10.70 | 10.70 | E |
| S5636.147-45 | S5836.147 | ACSR<br>ACSR<br>ACSR<br>AAC | Pheasant<br>Dipper<br>—<br>Gladiolus | 1272<br>1351.5<br>1500<br>1510.5 | 54/19<br>45/7<br>91<br>61 | 1.382<br>1.386<br>1.412<br>1.187 | 36AH | 0.60 | 3.00 | — | 10.70 | 8.23 | D |
| S5638.150-45 | S5838.150 | ACSR<br>ACSR | Martin<br>Bobolink | 1351.5<br>1431 | 54/19<br>45/7 | 1.424<br>1.427 | 38AH | 0.80 | 3.00 | — | 10.86 | 8.85 | D |
| S5638.150E-45 | S5838.150E | ACSR<br>ACSR | Martin<br>Bobolink | 1351.5<br>1431 | 54/19<br>45/7 | 1.424<br>1.427 | 38AH | 0.50 | 4.00 | 4.00 | 10.86 | 8.69 | E |
| S5638.156-45 | S5838.156 | ACSR<br>ACSR<br>AAC<br>AAC | Plover<br>Nuthatch<br>Coreopsis<br>Dogwood | 1431<br>1510.5<br>1590<br>1590 | 54/19<br>45/7<br>61<br>91 | 1.465<br>1.466<br>1.250<br>1.454 | 38AH | 0.70 | 3.00 | — | 10.86 | 8.85 | D |
| S5638.156E-45 | — | ACSR<br>ACSR<br>AAC<br>AAC | Plover<br>Nuthatch<br>Coreopsis<br>Dogwood | 1431<br>1510.5<br>1590<br>1590 | 54/19<br>45/7<br>61<br>91 | 1.465<br>1.466<br>1.250<br>1.454 | 38AH | 1.00 | 4.50 | 4.50 | 10.60 | — | E |
| — | S5838.156E | ACSR<br>ACSR<br>AAC<br>AAC | Plover<br>Nuthatch<br>Coreopsis<br>Dogwood | 1431<br>1510.5<br>1590<br>1590 | 54/19<br>45/7<br>61<br>91 | 1.465<br>1.466<br>1.250<br>1.454 | 38AH | 0.50 | 4.00 | 4.00 | — | 8.69 | E |
| S5640.162-45 | S5840.162 | ACSR<br>ACSR<br>ACSR<br>AAC | Parrot<br>Lapwing<br>Falcon<br>Jessamine | 1510.5<br>1590<br>1590<br>1750 | 54/19<br>45/7<br>54/19<br>61 | 1.506<br>1.504<br>1.545<br>1.525 | 40AH | 0.70 | 3.00 | — | 9.95 | 9.95 | D |
| S5640.162E-45 | S5840.162E | ACSR<br>ACSR<br>ACSR<br>AAC | Parrot<br>Lapwing<br>Falcon<br>Jessamine | 1510.5<br>1590<br>1590<br>1750 | 54/19<br>45/7<br>54/19<br>61 | 1.506<br>1.504<br>1.545<br>1.525 | 40AH | 1.00 | 4.00 | 4.50 | 12.18 | 7.52 | E |

© 2010, AFL, all rights reserved. PP-3-00437, Revision 11, 11.26.2025
Specifications are subject to change without notice.



AFL | AFLglobal.com
1 (800) 890-8878

# S5600-45 Series, S5800 Series Terminal Connectors

## Ordering Information

| CATALOG NUMBER | | CONDUCTOR | | | | | DIE SIZE ALUMINUM HEX DIE | DIMENSIONS (inches) | | | | | PAD SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45 DEGREE | 90 DEGREE | ACSR OR AAC | CODE WORD | SIZE KCMil | STRANDING Al/St | DIAMETER IN INCHES | | A | B | C | L | L1 | |
| S5642.178-45 | S5842.178 | ACSR | Chukar | 1780 | 84/19 | 1.602 | 42AH | 0.70 | 4.00 | 4.50 | 12.37 | 10.28 | E |
| | | ACSR | — | 2034 | 72/7 | 1.681 | | | | | | | |
| | | AAC | Cowslip | 2000 | 91 | 1.630 | | | | | | | |
| S5644.181-45 | S5844.181 | ACSR | Kiwi | 2167 | 72/7 | 1.737 | 44AH | 0.70 | 4.00 | 4.50 | 12.68 | 10.34 | E |
| | | AAC | Sagebrush | 2250 | 91 | 1.729 | | | | | | | |
| | | AAC | — | 2300 | 61 | 1.750 | | | | | | | |
| | | AAC | — | 2300 | 91 | 1.750 | | | | | | | |
| S5644.184-45 | S5844.184 | ACSR | Bluebird | 2156 | 84/19 | 1.762 | 44AH | 0.70 | 4.00 | 4.50 | 12.68 | 10.34 | E |
| S5644.188-45 | S5844.188 | ACSR | Thrasher | 2312 | 76/19 | 1.802 | 44AH | 0.70 | 4.00 | 4.50 | 12.68 | 10.34 | E |
| | | AAC | Lupine | 2500 | 91 | 1.823 | | | | | | | |
| S5648.197-45 | S5848.197 | ACSR | Joree | 2515 | 76/19 | 1.880 | 48AH | 0.80 | 4.00 | 4.50 | 13.38 | 11.35 | E |
| | | AAC | Bitterroot | 2750 | 91 | 1.912 | | | | | | | |

© 2010, AFL, all rights reserved. PP-3-00437, Revision 11, 11.26.2025
Specifications are subject to change without notice.



AFL | AFLglobal.com
1 (800) 890-8878

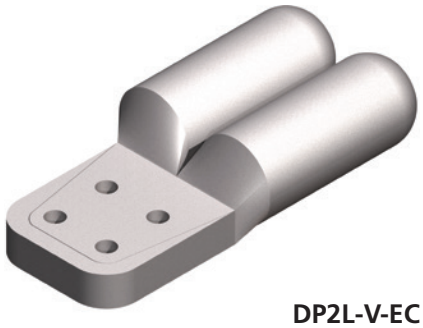
# TYPE DP2L-N-V-EC

## Substation Compression Terminal

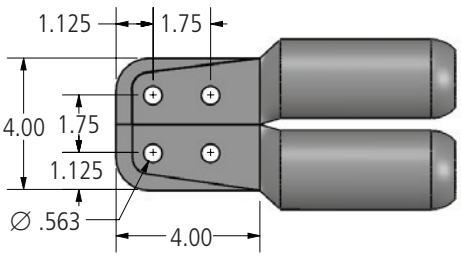
Use for cable to terminal application.

### Notes

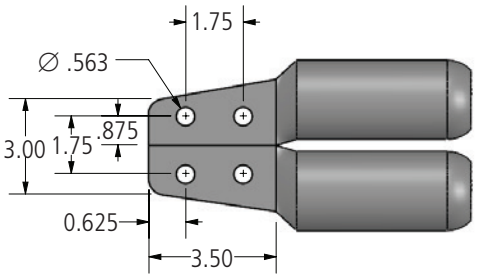
Terminals to be identified with Catalog Number or assembly drawing and letter, conductor diameter range and die size.



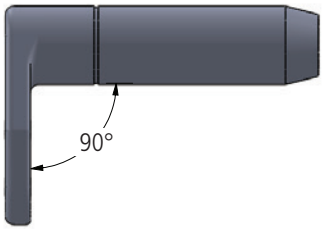
DP2L-V-EC



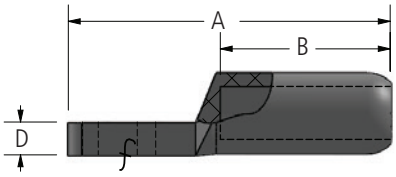

DP2L-4N4-V-EC SERIES

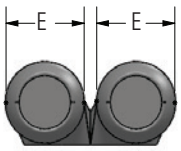



DP2L-4N-V-EC SERIES




DP2LA-N-90-V-EC SERIES




## Ordering Information

| Catalog Number | Conductor Range | | | Dimensions in inches | | | | Die Size |
|---|---|---|---|---|---|---|---|---|
| | inches | AAC | ACSR | A | B | T | E | |
| DP2L100-4N-V-EC | 1.026 - 1.196 | 795 - 900 | 715.5(26/7) - 954(54/7) | 8.84 | 4.09 | 1.00 | 1.88 | 30AH |
| DP2L100-4N4-V-EC | | | | 9.46 | | | | |
| DP2L127-4N-V-EC | 1.186 - 1.313 | 954 - 1272 | 954(54/7) - 1192.5(45/7) | 9.19 | 4.44 | 1.00 | 2.12 | 34AH |
| DP2L127-4N4-V-EC | | | | 9.82 | | | | |
| DP2L151-4N4-V-EC | 1.314 - 1.399 | 1300 - 1431 | 1192.5(54/19) - 1351.5(45/7) | 10.08 | 4.70 | 1.00 | 2.25 | 36H |
| DP2L151-4N4-90-V-EC | | | | — | | | | |
| DP2L160-4N-V-EC | 1.399 - 1.500 | 1500 - 1590 | 1351.5(45/7) - 1510.5(45/7) | 9.69 | 4.94 | 1.00 | 2.38 | 38AH |
| DP2L160-4N4-V-EC | | | | 10.32 | | | | |
| DP2L180-4N-V-EC | 1.501 - 1.630 | 1750 - 2000 | 1510.5(54/19) - 1780(84/19) | 10.14 | — | 1.00 | 2.50 | 40AH |
| DP2L180-4N4-V-EC | | | | 11.14 | | | | |
| DP2L250-4N4-V-EC | 18.02 - 1.857 | 2500 | 2300(76/19) - 2312(76/19) | 13.88 | 8.50 | 1.13 | 2.75 | 44AH |

© 2011, AFL, all rights reserved. PP-3-00317, Revision 4, 11.21.2024
Specifications are subject to change without notice.

# Table of Contents

## 345 kV and 500 kV

345 kV and 500 kV Table of Contents . . . 473
Pictorial Index . . . 475

*Bus Supports*
Type PSD-V-AA, PSD-V-CH-AA . . . 479
Type HPS-HV-AA . . . 480
Type WPS-V-AA, WPS-V-CH-AA . . . 481
Type WPSSL-V-AA . . . 483
Type 34700 EHV . . . 485
Type WXBC-V-AA . . . 486
Type WXBC-HV-AA . . . 487
Type C2SWB-V-AA . . . 488
Type 15700 EHV . . . 491
Type 32800 EHV . . . 492
Type 35700 EHV . . . 493
Type 33800 EHV . . . 494

*Couplers*
Type CP-V-AA . . . 495
Type CPV-V-AA . . . 496
Type WWC-AA, WWC-E-AA . . . 497
Type WWCR-V-AA . . . 498
Type XWWC-V-AA, XWWC-HV-AA . . . 499
Type XWWCT-HV-AA . . . 500
Type WRP3C-8-V-AA . . . 501
Type 35300 EHV . . . 502

*Vibration Dampers*
Type 1705-EHV, 1706-EHV . . . 503

*Corona Bells*
Type CXBHV-AA, CXWHV-AA . . . 504

*Tee Connectors*
Type BAP-V-AA . . . 505
Type PFTS-V-AA . . . 506
Type BPA-75-V-AA . . . 508
Type WT-AA, WTA-75-AA, WTA-80-AA . . . 509
Type WTC-V-AA, WTF-V-AA . . . 512
Type WVBP-20-V-AA, WVBP-30-V-AA . . . 513
Type BPC-V-AA . . . 515
Type CFT-V-AA . . . 516
Type VBP-30-V-AA . . . 517

*Tee Connectors*
Type 1000-EHV . . . 518
Type WT3C-8-V-AA . . . 520
Type 3500-EHV . . . 521
Type BC-V-AA . . . 523
Type 34900-EHV . . . 525
Type 34992-EHV, 34993-EHV . . . 528
Type 34996-EHV, 34997-EHV . . . 531

*Connectors*
Type 15100-EHV . . . 534
Type 14700-EHV . . . 535

*Terminal Connectors*
Type TP-4N4-V-AA, TPA-4N4-90-V-AA . . . 536
Type WTPC-4N4-V-AA . . . 538
Type WTPI-V-AA, WTPIA-90-V-AA . . . 539
Type WTPIC-V-AA, WTPIC-E-V-AA . . . 541
Type WXL-V-AA, WXL-HV-AA . . . 542
Type TC-V-AA, T2C-V-AA . . . 543
Type WPC-V-AA, WP2C-V-AA . . . 545
Type WPCA-45-V-AA, WP2CA-45-V-AA . . . 548
Type 34200E-EHV . . . 550
Type 34300-EHV . . . 551
Type APTV-V-AA . . . 552
Type APT-V-AA . . . 553
Type TWTC-4N4-8-V-AA . . . 554
Type 34994-EHV, 34995E-EHV . . . 555
Type 34999E-EHV . . . 558
Type 33900, 34000 INLINE . . . 561
Type 38900-EHV . . . 563

*Elbows*
Type WEPI-AA, WEPI-30-AA, WEPI-45-AA, WEPI-60-AA . . . 564
Type 35400, 35500 . . . 566

*Ground Jumpers*
Type WGPHV-AA . . . 567
Type 34600-EHV . . . 568
Type 34650-EHV . . . 569
Type 34620-EHV . . . 570

© 2011, AFL, all rights reserved. PP-3-00621, Revision 21, 5.13.2026
Specifications are subject to change without notice.



AFL
AFLglobal.com
1 (800) 890-8878

# Table of Contents

## 345 kV and 500 kV

*Spacer Clamps*

Type 1800-EHV . . . . . 571
Type CAS-V-AA . . . . . 572
Type CAS-N-V-AA, CAS-N-90-V-AA . . . . . 575
Type 38100-EHV . . . . . 578
Type 38400-EHV, 38500-EHV . . . . . 579
Type 38300-EHV . . . . . 580

*Hardware Shields*

Type CSBE-V-AA, 4040-EHV, 6040-EHV . . . . . 581

*Parallel Clamps*

Type PC-V-AA . . . . . 582
Type 35600-EHV . . . . . 584

*Stud Connector*

Type SCB-F-V-AA. . . . . 585

*Compression Connectors*

Type 2800-EHV, 5300-EHV . . . . . 586
Type 2900-EHV . . . . . 587
Type 5400. . . . . 588
Type 5500. . . . . 589
Type 5000-EHV . . . . . 591
Type 2500-EHV . . . . . 592
Type 2600, 2700. . . . . 593
Type 3400-EHV . . . . . 594
Type S5600-EHV, S5100-EHV. . . . . 595
Type S5600-45-EHV, S5800-EHV . . . . . 598
Type DP2L-V-EC . . . . . 603

© 2011, AFL, all rights reserved. PP-3-00621, Revision 21, 5.13.2026
Specifications are subject to change without notice.



AFL
AFLglobal.com
1 (800) 890-8878

## 345/500 kV Aluminum Bus Supports



PSD-V-AA, PSD-V-CH-AA SERIES

PG. 479



HPS-HV-AA SERIES

PG. 480



WPS-V-AA, WPS-V-CH-AA SERIES

PG. 481



WPSSL-V-AA SERIES

PG. 483



34700 EHV SERIES

PG. 485



WXBC-V-AA SERIES

PG. 486



WXBC-HV-AA SERIES

PG. 487



C2SWB-V-AA SERIES

PG. 488



15700 EHV SERIES

PG. 491



32800 EHV SERIES

PG. 492



35700 EHV SERIES

PG. 493



33800 EHV SERIES

PG. 494

## 345/500 kV Aluminum Couplers



CP-V-AA SERIES

PG. 495



CPV-V-AA SERIES

PG. 496



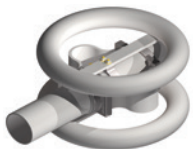
WWC-AA, WWC-E-AA SERIES

PG. 497



WWCR-V-AA SERIES

PG. 498



XWWC-V-AA, XWWC-HV-AA SERIES

PG. 499



XWWCT-HV-AA SERIES

PG. 500



WRP3C-8-V-AA SERIES

PG. 501



35300 EHV SERIES

PG. 502

## 345/500 kV Aluminum Vibration Damper



1705-EHV, 1706-EHV SERIES

PG. 503

## 345/500 kV Aluminum Corona Bells



CXBHV-AA, CXWHV-AA SERIES

PG. 504

## 345/500 kV Aluminum Tee Connectors



BAP-V-AA SERIES

PG. 505



PFTS-V-AA SERIES

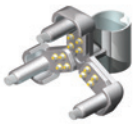
PG. 506



BPA-75-V-AA SERIES

PG. 508

© 2011, AFL, all rights reserved. PP-3-00623, Revision 13, 5.13.2026
Specifications are subject to change without notice.

| | |
|---|---|
|  | WT-AA, WTA-75-AA, -80 SERIES<br>PG. 509 |
|  | WTC-V-AA, WTF-V-AA SERIES<br>PG. 512 |
|  | WVBP-20-V-AA, WVBP-30-V-AA SERIES<br>PG. 513 |
|  | BPC-V-AA SERIES<br>PG. 515 |
|  | CFT-AA SERIES<br>PG. 516 |
|  | VBP-30-V-AA SERIES<br>PG. 517 |
|  | 1000-EHV SERIES<br>PG. 518 |
|  | WT3C-8-V-AA SERIES<br>PG. 520 |
|  | 3500-EHV SERIES<br>PG. 521 |
|  | BC-V-AA SERIES<br>PG. 523 |
|  | 34900-EHV SERIES<br>PG. 525 |
|  | 34992-EHV, 34993-EHV SERIES<br>PG. 528 |
|  | 34996-EHV, 34997-EHV SERIES<br>PG. 531 |
| **345/500 kV Aluminum Connectors** | |
|  | 15100-EHV SERIES<br>PG. 534 |
|  | 14700-EHV SERIES<br>PG. 535 |
| **345/500 kV Aluminum Terminal Connectors** | |
|  | TP-4N4-V-AA, TPA-4N4-90-V-AA SERIES<br>PG. 536 |
|  | WTPC-4N4-V-AA SERIES<br>PG. 538 |
|  | WTPI-V-AA, WTPIA-90-V-AA SERIES<br>PG. 539 |
|  | WTPIC-V-AA , WTPIC-E-V-AA SERIES<br>PG. 541 |
|  | WXL-V-AA, WXL-HV-AA SERIES<br>PG. 542 |
|  | TC-V-AA, T2C-V-AA SERIES<br>PG. 543 |
|  | WPC-V-AA, WP2C-V-AA SERIES<br>PG. 545 |
|  | WPCA-45-V-AA WP2CA-45-V-AA SERIES<br>PG. 548 |
|  | 34200E-EHV SERIES<br>PG. 550 |
|  | 34300-EHV SERIES<br>PG. 551 |
|  | APTV-AA SERIES<br>PG. 552 |


© 2011, AFL, all rights reserved. PP-3-00623, Revision 13, 5.13.2026
Specifications are subject to change without notice.



AFL | AFLglobal.com
1 (800) 890-8878



APT-AA SERIES

PG. 553



TWTC-N-V-AA SERIES

PG. 554



34994E-EHV, 34995E-EHV SERIES

PG. 555



34999E-EHV SERIES

PG. 558



33900, 34000 INLINE SERIES

PG. 561



38900-EHV SERIES

PG. 563

## 345/500 kV Aluminum Elbows



WEPI-AA SERIES

PG. 564



35400, 35500 SERIES

PG. 566

## 345/500 kV Aluminum Ground Jumpers



WGPHV-AA SERIES

PG. 567



34600-EHV SERIES

PG. 568



34650-EHV SERIES

PG. 569



34620-EHV SERIES

PG. 570

## 345/500 kV Aluminum Spacer Clamps



1800-EHV SERIES

PG. 571



CAS-V-AA SERIES

PG. 572



CAS-N-V-AA SERIES

PG. 575



CAS-N-90-V-AA SERIES

PG. 575



38100-EHV SERIES

PG. 578



38400-EHV SERIES

PG. 579



38500-EHV SERIES

PG. 579



38300-EHV SERIES

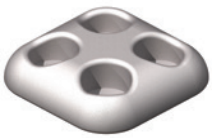
PG. 580

## 345/500 kV Aluminum Hardware Shields



CSBE-V-AA SERIES

PG. 581



4040-EHV SERIES

PG. 581



6040-EHV SERIES

PG. 581

## 345/500 kV Aluminum Parallel Clamps



PC-V-AA SERIES

PG. 582



35600-EHV SERIES

PG. 584

© 2011, AFL, all rights reserved. PP-3-00623, Revision 13, 5.13.2026
Specifications are subject to change without notice.

| 345/500 kV Aluminum Stud Connectors | |
|---|---|
|  | SCB-F-V-AA SERIES |
| | PG. 585 |
| **345/500 kV Aluminum Compression** | |
|  | 2800-EHV, 5300-EHV |
| | PG. 586 |
|  | 2900-EHV |
| | PG. 587 |
|  | 5400 |
| | PG. 588 |
|  | 5500 |
| | PG. 589 |
|  | 5000-EHV |
| | PG. 591 |
|  | 2500-EHV |
| | PG. 592 |
|  | 2600 |
| | PG. 593 |
|  | 2700 |
| | PG. 593 |

| | |
|---|---|
|  | 3400-EHV |
| | PG. 594 |
|  | S5600-EHV, S5100 -EHV |
| | PG. 595 |
|  | S5600-45-EHV, S5800-EHV |
| | PG. 598 |
|  | DP2L-V-EC |
| | PG. 603 |

© 2011, AFL, all rights reserved. PP-3-00623, Revision 13, 5.13.2026
Specifications are subject to change without notice.



AFL | AFLglobal.com
1 (800) 890-8878

# TYPE PSD-V-AA, PSD-V-CH-AA
# Bolted Bus Support, Pipe, Slide or Tight Fit

Double ring support is designed to be corona free for 345 kV and 500 kV service. Support is designed to be slip or tight fit depending on top caps.

**Material**
Aluminum Alloy

**Hardware**
Galvanized steel bolts and lockwashers for mounting.

Yellow anodized aluminum bolts, nuts, and lockwashers.

**Notes**

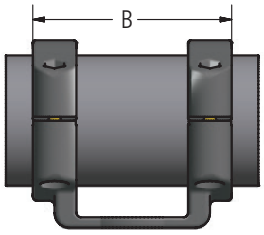
- For Grade Five galvanized steel hardware, add "-GS5" to catalog number. EX: PSD400-7-V-AA-GS5

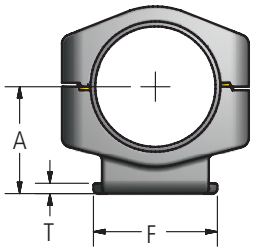


PSD-V-AA

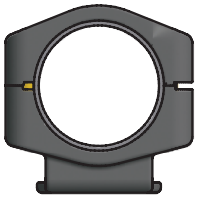


PSD-V-CH-AA




TIGHT FIT



SLIP FIT

## Ordering Information

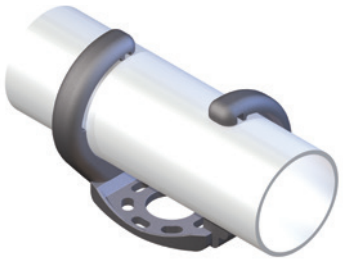
| Catalog Number | | S.P.S. | Bolt Circle | Dimensions in Inches | | | | Bolt Size |
|---|---|---|---|---|---|---|---|---|
| Standard | With Chatter Spring | | | A | B | F | T | |
| PSD250-5-V-AA | PSD250-5-V-CH-AA | 2 1/2 | 5 | 3 1/8 | 9 7/8 | 6 1/4 | 17/32 | 1/2 |
| PSD300-3-V-AA | PSD300-3-V-CH-AA | 3 | 3 | 3 5/8 | 10 1/8 | 4 1/4 | 5/8 | 5/8 |
| PSD300-5-V-AA | PSD300-5-V-CH-AA | 3 | 5 | 3 5/8 | 10 1/4 | 6 1/4 | 1/2 | 5/8 |
| PSD300-7-V-AA | PSD300-7-V-CH-AA | 3 | 7 | 3 5/8 | 14 1/2 | 8 1/2 | 1/2 | 5/8 |
| PSD350-5-V-AA | PSD350-5-V-CH-AA | 3 1/2 | 5 | 4 | 10 1/4 | 6 1/4 | 1/2 | 5/8 |
| PSD350-7-V-AA | PSD350-7-V-CH-AA | 3 1/2 | 7 | 4 | 14 1/2 | 8 1/2 | 1/2 | 5/8 |
| PSD400-3-V-AA | PSD400-3-V-CH-AA | 4 | 3 | 4 1/2 | 10 1/8 | 4 1/4 | 9/16 | 5/8 |
| PSD400-5-V-AA | PSD400-5-V-CH-AA | 4 | 5 | 4 1/2 | 10 1/4 | 6 3/8 | 9/16 | 5/8 |
| PSD400-7-V-AA | PSD400-7-V-CH-AA | 4 | 7 | 4 1/2 | 14 1/2 | 8 1/2 | 1/2 | 5/8 |
| PSD500-3-V-AA | PSD500-3-V-CH-AA | 5 | 3 | 5 | 10 1/8 | 4 1/4 | 9/16 | 5/8 |
| PSD500-5-V-AA | PSD500-5-V-CH-AA | 5 | 5 | 5 | 10 1/4 | 6 1/4 | 1/2 | 5/8 |
| PSD500-5/7-V-AA | PSD500-5/7-V-CH-AA | 5 | 5 & 7 | 5 | 12 3/4 | 8 1/2 | 5/8 | 5/8 |
| PSD500-7-V-AA | PSD500-7-V-CH-AA | 5 | 7 | 5 | 12 3/4 | 8 1/2 | 5/8 | 5/8 |
| PSD600-5-V-AA | PSD600-5-V-CH-AA | 6 | 5 | 5 1/2 | 10 1/4 | 6 1/4 | 1/2 | 5/8 |
| PSD600-7-V-AA | PSD600-7-V-CH-AA | 6 | 7 | 5 1/2 | 12 3/4 | 8 1/2 | 5/8 | 5/8 |
| PSD800R-5-V-AA | PSD800R-5-V-CH-AA | 8" O.D. | 5 | 7 1/2 | 10 1/4 | 6 1/4 | 1/2 | 5/8 |
| PSD800R-7-V-AA | PSD800R-7-V-CH-AA | 8" O.D. | 7 | 7 1/2 | 12 3/4 | 8 1/2 | 5/8 | 5/8 |
| PSD800-5-V-AA | PSD800-5-V-CH-AA | 8 | 5 | 6 7/8 | 10 1/4 | 6 1/4 | 1/2 | 5/8 |
| PSD800-7-V-AA | PSD800-7-V-CH-AA | 8 | 7 | 6 7/8 | 12 3/4 | 8 1/2 | 5/8 | 5/8 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2011, AFL, all rights reserved. PP-3-00408, Revision 7, 2.24.2026
Specifications are subject to change without notice.

# TYPE HPS-HV-AA

Hook support is designed to be corona free for 345 kV and 500 kV service. Support is designed for slip or tight fit applications; for tight fit application bus is field welded to support.



### Material

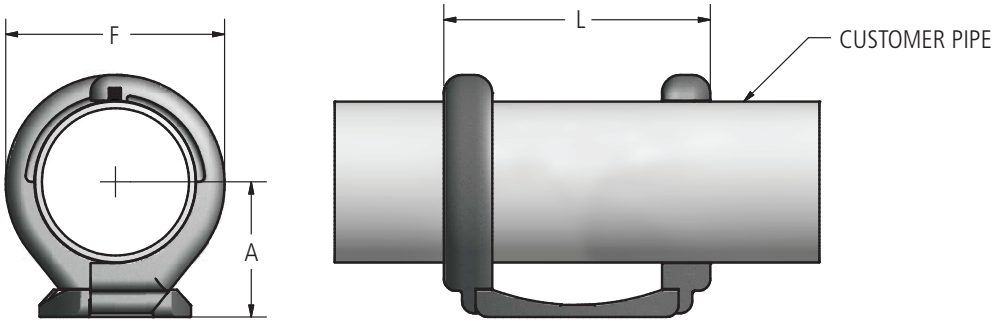
Aluminum Alloy

### Mounting Hardware

Galvanized steel bolts and lockwashers.

### Notes

Weld in field for rigid support.




## Ordering Information

| Catalog Number | | SPS/EHPS | Bolt Circle | Dimensions in inches | | |
|---|---|---|---|---|---|---|
| Standard | With Chatter Spring | | | A | B | L |
| HPS250-3-HV-AA | HPS250-3-HV-CH-AA | 2 1/2 | 3 | 3 | 5 1/16 | 9 3/8 |
| HPS300-3-HV-AA | HPS300-3-HV-CH-AA | 3 | 3 | 3 5/8 | 5 1/4 | 9 3/8 |
| HPS350-5-HV-AA | HPS350-5-HV-CH-AA | 3 1/2 | 5 | 4 | 5 7/8 | 10 7/8 |
| HPS400-5-HV-AA | HPS400-5-HV-CH-AA | 4 | 5 | 4 1/2 | 6 7/8 | 11 |
| HPS400-7-HV-AA | HPS400-7-HV-CH-AA | 4 | 7 | 4 1/2 | 6 7/8 | 13 1/2 |
| HPS500-5-HV-AA | HPS500-5-HV-CH-AA | 5 | 5 | 5 | 8 1/8 | 11 |
| HPS500-7-HV-AA | HPS500-7-HV-CH-AA | 5 | 7 | 5 | 7 7/8 | 13 7/8 |
| HPS600-5-HV-AA | HPS600-5-HV-CH-AA | 6 | 5 | 5 1/2 | 9 1/8 | 10 7/8 |
| HPS600-7-HV-AA | HPS600-7-HV-CH-AA | 6 | 7 | 5 1/2 | 9 1/8 | 10 7/8 |
| HPS800-5-HV-AA | HPS800-5-HV-CH-AA | 8 | 5 | 6 1/2 | 11 3/16 | 11 |
| HPS800-10-HV-AA | HPS800-10-HV-CH-AA | 8 | 10 | 6 1/2 | 11 1/16 | 17 5/8 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

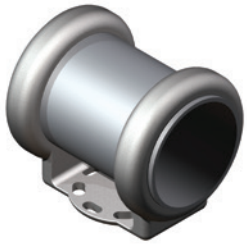
© 2011, AFL, all rights reserved. PP-3-00375, Revision 2, 4.7.2025
Specifications are subject to change without notice.



AFL | AFLglobal.com
1 (800) 890-8878

# TYPE WPS-V-AA, WPS-V-CH-AA

## Welded Ring Bus Support



Double ring support is designed to be corona free for 345 kV and 500 kV service. Support is designed to be slip or tight fit; for tight fit bus is field weld to support.

### Material

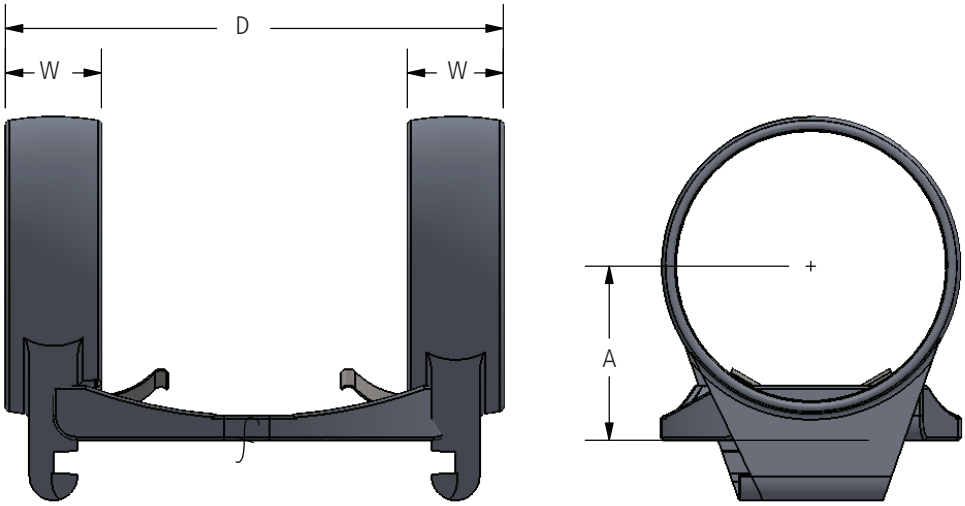
Aluminum Alloy

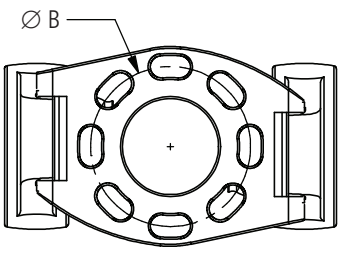
### Mounting Hardware

Galvanized steel bolts and lockwashers.

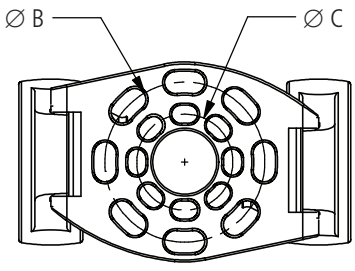
### Notes

- For a 5" pipe, with a 5" BC, high voltage, with a chatter spring, use WPS500-5-V-CH-AA.




PAD DETAIL A




PAD DETAIL B

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

*continued*

© 2011, AFL, all rights reserved. PP-3-00542, Revision 2, 3.04.2026
Specifications are subject to change without notice.

# TYPE WPS-V-AA, WPS-V-CH-AA

## Welded Ring Bus Support

### Ordering Information

| Catalog Number | | SPS | Detail | Dimensions in Inches | | | | |
|---|---|---|---|---|---|---|---|---|
| Standard | With Chatter Spring | | | A | B | C | D | W |
| WPS250-3-V-AA | WPS250-3-V-CH-AA | 2.5 | A | 4.13 | 3.00 | - | 7.25 | 1.50 |
| WPS250-5-V-AA | WPS250-5-V-CH-AA | 2.5 | A | 4.13 | 5.00 | - | 10.00 | 1.50 |
| WPS300-3-V-AA | WPS300-3-V-CH-AA | 3 | A | 3.63 | 3.00 | - | 9.13 | 2.00 |
| WPS300-3/5-V-AA | WPS300-3/5-V-CH-AA | 3 | B | 3.63 | 3.00 | 5.00 | 10.38 | 2.00 |
| WPS300-5-V-AA | WPS300-5-V-CH-AA | 3 | A | 3.63 | 5.00 | - | 10.38 | 2.00 |
| WPS300-5/7-V-AA | WPS300-5/7-V-CH-AA | 3 | B | 3.63 | 5.00 | 7.00 | 12.88 | 2.00 |
| WPS300-7-V-AA | WPS300-7-V-CH-AA | 3 | A | 3.63 | 7.00 | - | 12.88 | 2.00 |
| WPS350-3-V-AA | WPS350-3-V-CH-AA | 3.5 | A | 4.00 | 3.00 | - | 9.13 | 2.00 |
| WPS350-3/5-V-AA | WPS350-3/5-V-CH-AA | 3.5 | B | 4.00 | 3.00 | 5.00 | 10.38 | 2.00 |
| WPS350-5-V-AA | WPS350-5-V-CH-AA | 3.5 | A | 4.00 | 5.00 | - | 10.38 | 2.00 |
| WPS350-5/7-V-AA | WPS350-5/7-V-CH-AA | 3.5 | B | 4.00 | 5.00 | 7.00 | 12.88 | 2.00 |
| WPS350-7-V-AA | WPS350-7-V-CH-AA | 3.5 | A | 4.00 | 7.00 | - | 12.88 | 2.00 |
| WPS400-3-V-AA | WPS400-3-V-CH-AA | 4 | A | 4.50 | 3.00 | - | 9.13 | 2.00 |
| WPS400-3/5-V-AA | WPS400-3/5-V-CH-AA | 4 | B | 4.50 | 3.00 | 5.00 | 10.38 | 2.00 |
| WPS400-5-V-AA | WPS400-5-V-CH-AA | 4 | A | 4.50 | 5.00 | - | 11.00 | 2.25 |
| WPS400-5/7-V-AA | WPS400-5/7-V-CH-AA | 4 | B | 4.50 | 5.00 | 7.00 | 12.88 | 2.00 |
| WPS400-7-V-AA | WPS400-7-V-CH-AA | 4 | A | 4.50 | 7.00 | - | 12.88 | 2.00 |
| WPS500-3/5-V-AA | WPS500-3/5-V-CH-AA | 5 | B | 5.00 | 3.00 | 5.00 | 10.38 | 2.00 |
| WPS500-5-V-AA | WPS500-5-V-CH-AA | 5 | A | 5.03 | 5.00 | - | 11.00 | 2.00 |
| WPS500-5/7-V-AA | WPS500-5/7-V-CH-AA | 5 | B | 5.00 | 5.00 | 7.00 | 12.88 | 2.00 |
| WPS500-7-V-AA | WPS500-7-V-CH-AA | 5 | A | 5.00 | 7.00 | - | 12.88 | 2.00 |
| WPS600-3/5-V-AA | WPS600-3/5-V-CH-AA | 6 | B | 5.50 | 3.00 | 5.00 | 10.38 | 2.00 |
| WPS600-5-V-AA | WPS600-5-V-CH-AA | 6 | A | 5.50 | 5.00 | - | 11.50 | 2.50 |
| WPS600-5/7-V-AA | WPS600-5/7-V-CH-AA | 6 | B | 5.50 | 5.00 | 7.00 | 12.88 | 2.00 |
| WPS600-7-V-AA | WPS600-7-V-CH-AA | 6 | A | 5.50 | 7.00 | - | 12.88 | 2.00 |

© 2011, AFL, all rights reserved. PP-3-00542, Revision 2, 3.04.2026
Specifications are subject to change without notice.

# TYPE WPSSL-V-AA

**Aluminum Welded Bus Support, Slide or Fixed Type**

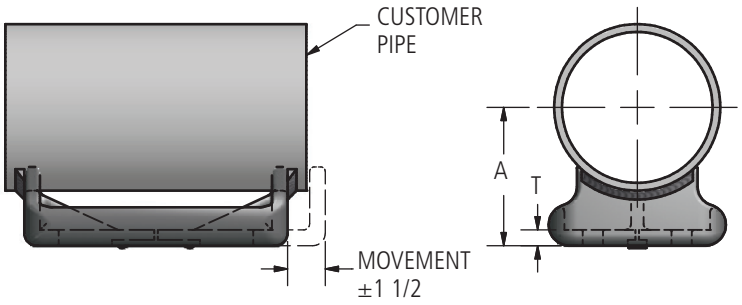


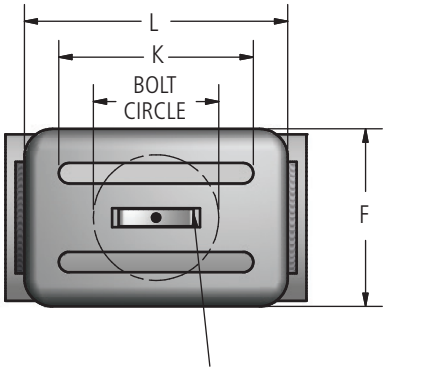
Pipe or bus tube is welded to support. Designed for 500 kV service. The support is then bolted directly into the insulator. Bolt sleeves allow the whole support to slide on the insulator. Bolt sleeves for rigid fix support can be ordered.

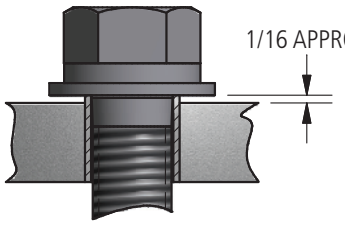
## Material
Aluminum Alloy

## Mounting Hardware
Galvanized steel bolts and lockwashers.

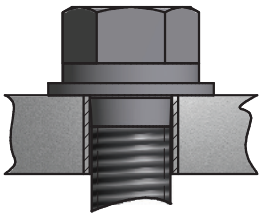
## Notes
- Add "-R" to catalog number for rigid fit order: WPSSL300-5-R-V-AA
- Add "-SR" for slip and rigid fix order: WPSSL300-5-SR-V-AA
- For chatter spring add "-CH" to catalog number order: WPSSL300-5-CH-V-AA




SLIDE BUS SUPPORT
ASSEMBLY 1



RIGID FIXED BUS SUPPORT
ASSEMBLY 2

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

*continued*

© 2011, AFL, all rights reserved. PP-3-00540, Revision 1, 3.10.2026
Specifications are subject to change without notice.

# TYPE WPSSL-V-AA

## Aluminum Welded Bus Support, Slide or Fixed Type

### Ordering Information

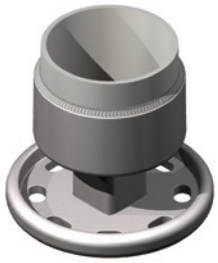
| Catalog Number | | SPS Alum | Bolt Circle | Dimensions in Inches | | | | | Bolt Size |
|---|---|---|---|---|---|---|---|---|---|
| Standard | With Chatter Spring | | | A | F | K | L | T | |
| WPSSL250-3-V-AA | WPSSL250-3-CH-V-AA | 2 1/2 | 3 | 3 1/8 | 4 3/4 | 5 1/2 | 8 1/2 | 1/2 | 1/2 |
| WPSSL250-5-V-AA | WPSSL250-5-CH-V-AA | 2 1/2 | 5 | 3 1/8 | 6 3/4 | 7 1/2 | 10 1/2 | 1/2 | 5/8 |
| WPSSL250-7-V-AA | WPSSL250-7-CH-V-AA | 2 1/2 | 7 | 3 1/8 | 8 3/4 | 9 1/2 | 12 1/2 | 1/2 | 3/4 |
| WPSSL300-3-V-AA | WPSSL300-3-CH-V-AA | 3 | 3 | 3 5/8 | 4 3/4 | 5 1/2 | 8 1/2 | 1/2 | 1/2 |
| WPSSL300-5-V-AA | WPSSL300-5-CH-V-AA | 3 | 5 | 3 5/8 | 6 3/4 | 7 1/2 | 10 1/2 | 1/2 | 5/8 |
| WPSSL300-7-V-AA | WPSSL300-7-CH-V-AA | 3 | 7 | 3 5/8 | 8 3/4 | 9 1/2 | 12 1/2 | 1/2 | 3/4 |
| WPSSL350-3-V-AA | WPSSL350-3-CH-V-AA | 3 1/2 | 3 | 4 | 4 3/4 | 5 1/2 | 8 1/2 | 5/8 | 1/2 |
| WPSSL350-5-V-AA | WPSSL350-5-CH-V-AA | 3 1/2 | 5 | 4 | 6 3/4 | 7 1/2 | 10 1/2 | 5/8 | 5/8 |
| WPSSL350-7-V-AA | WPSSL350-7-CH-V-AA | 3 1/2 | 7 | 4 | 8 3/4 | 9 1/2 | 12 1/2 | 5/8 | 3/4 |
| WPSSL400-3-V-AA | WPSSL400-3-CH-V-AA | 4 | 3 | 4 1/2 | 4 3/4 | 5 1/2 | 8 1/2 | 5/8 | 1/2 |
| WPSSL400-5-V-AA | WPSSL400-5-CH-V-AA | 4 | 5 | 4 1/2 | 6 3/4 | 7 1/2 | 10 1/2 | 5/8 | 5/8 |
| WPSSL400-7-V-AA | WPSSL400-7-CH-V-AA | 4 | 7 | 4 1/2 | 8 3/4 | 9 1/2 | 12 1/2 | 5/8 | 3/4 |
| WPSSL500-3-V-AA | WPSSL500-3-CH-V-AA | 5 | 3 | 5 | 4 3/4 | 5 1/2 | 8 1/2 | 5/8 | 1/2 |
| WPSSL500-5-V-AA | WPSSL500-5-CH-V-AA | 5 | 5 | 5 | 6 3/4 | 7 1/2 | 10 1/2 | 5/8 | 5/8 |
| WPSSL500-7-V-AA | WPSSL500-7-CH-V-AA | 5 | 7 | 5 | 8 3/4 | 9 1/2 | 12 1/2 | 5/8 | 3/4 |
| WPSSL600-3-V-AA | WPSSL600-3-CH-V-AA | 6 | 3 | 5 1/2 | 4 3/4 | 5 1/2 | 8 1/2 | 5/8 | 1/2 |
| WPSSL600-5-V-AA | WPSSL600-5-CH-V-AA | 6 | 5 | 5 1/2 | 6 3/4 | 7 1/2 | 10 1/2 | 5/8 | 5/8 |
| WPSSL600-7-V-AA | WPSSL600-7-CH-V-AA | 6 | 7 | 5 1/2 | 8 3/4 | 9 1/2 | 12 1/2 | 5/8 | 3/4 |
| WPSSL800R-3-V-AA | WPSSL800R-3-CH-V-AA | 8" O.D. | 3 | 6 1/2 | 4 3/4 | 5 1/2 | 8 1/2 | 5/8 | 1/2 |
| WPSSL800R-5-V-AA | WPSSL800R-5-CH-V-AA | 8" O.D. | 5 | 6 1/2 | 6 3/4 | 7 1/2 | 10 1/2 | 5/8 | 5/8 |
| WPSSL800R-7-V-AA | WPSSL800R-7-CH-V-AA | 8" O.D. | 7 | 6 1/2 | 8 3/4 | 9 1/2 | 12 1/2 | 5/8 | 3/4 |

© 2011, AFL, all rights reserved. PP-3-00540, Revision 1, 3.10.2026
Specifications are subject to change without notice.

# TYPE 34700 EHV

## Welded Vertical Bus Support

Vertical end support is designed to be corona free for 345 kV and 500 kV service. Slotted bolt holes in base provide for misalignment of insulator.

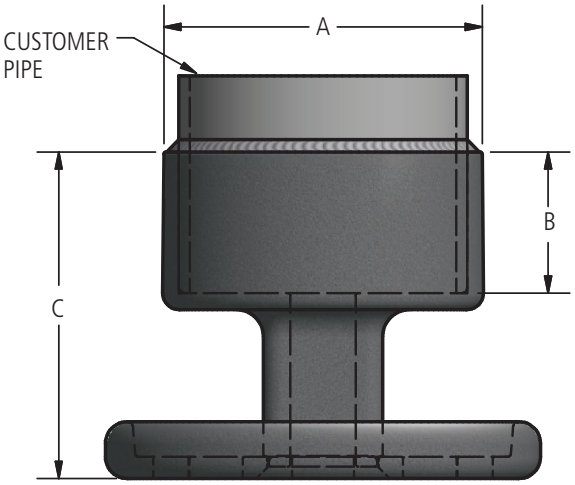


### Material

Aluminum Alloy

### Mounting Hardware

Galvanized steel bolts and lockwashers




### Ordering Information

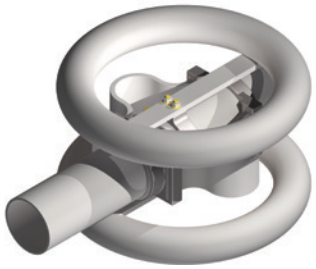
| Catalog Number | Conductor Size | Dimensions in Inches | | | Nominal Weight (lbs) |
|---|---|---|---|---|---|
| | SPS & EPHS | A | B | C | |
| **5" BOLT CIRCLE** | | | | | |
| 34708-5 EHV | 3 | 4.12 | 1.75 | 6.25 | 6.1 |
| 34709-5 EHV | 3-1/2 | 4.69 | 2.00 | 6.50 | 6.4 |
| 34710-5 EHV | 4 | 5.19 | 2.25 | 6.75 | 6.8 |
| 34712-5 EHV | 5 | 6.25 | 2.75 | 7.25 | 7.5 |
| 34713-5 EHV | 6 | 7.38 | 3.25 | 7.75 | 9.0 |
| **7" BOLT CIRCLE** | | | | | |
| 34708-7 EHV | 3 | 4.12 | 1.75 | 6.25 | 8.1 |
| 34709-7 EHV | 3-1/2 | 4.69 | 2.00 | 6.50 | 8.4 |
| 34710-7 EHV | 4 | 5.19 | 2.25 | 6.75 | 8.8 |
| 34712-7 EHV | 5 | 6.25 | 2.75 | 7.25 | 9.5 |
| 34713-7 EHV | 6 | 7.38 | 3.25 | 7.75 | 11.0 |
| 34715-7 EHV | 8 OD | 9 | 4.25 | 8.75 | 13.0 |
| 34716-7 EHV | 8 | 9.38 | 4.25 | 8.75 | 13.0 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2011, AFL, all rights reserved. PP-3-00186, Revision 1, 3.18.2026
Specifications are subject to change without notice.

# TYPE WXBC-V-AA

**Welded Expansion Bus Support Rated for 345 kV**



## Material

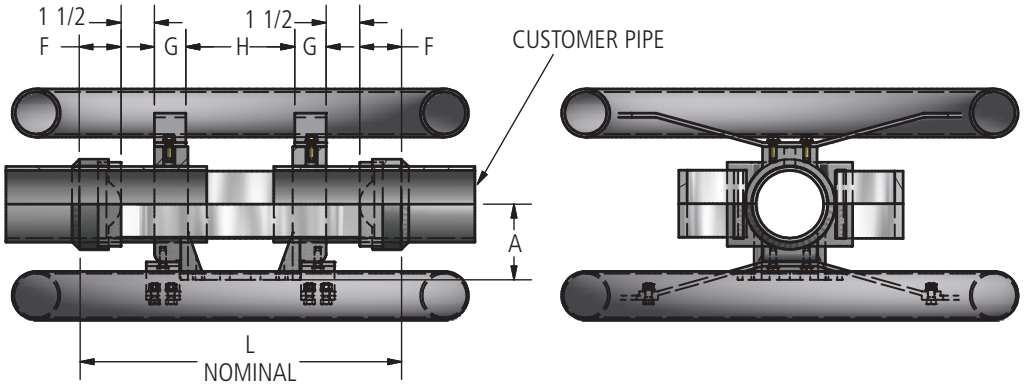
Aluminum Alloy

## Hardware

Galvanized steel mounting hardware included. Stainless steel bolts, lockwashers, and flatwashers.

## Notes

- For chatter spring add "-CH" to catalog number, order: WXBC500-5-V-CH-AA.
- For end plugs add "-WP" to catalog number, order: WXBC500-5-V-AA-WP.




## Ordering Information

| Catalog Number | | SPS | Schedule Number | Bolt Circle | Dimensions in Inches | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Standard | With Chatter Spring | | | | A | F | G | H | L |
| WXBC300-5-V-AA | WXBC300-5-V-CH-AA | 3 | 40 | 5 | 3 5/8 | 2 5/16 | 1 1/4 | 6 1/4 | 16 3/8 |
| WXBC350-5-V-AA | WXBC350-5-V-CH-AA | 3 1/2 | 40 | 5 | 4 | 2 5/16 | 1 1/4 | 6 1/4 | 16 3/8 |
| WXBC400-5-V-AA | WXBC400-5-V-CH-AA | 4 | 40 | 5 | 4 1/2 | 2 1/2 | 2 | 6 1/4 | 18 1/4 |
| WXBC400-5/7-V-AA | WXBC400-5/7-V-CH-AA | 4 | 40 | 5/7 | 4 1/2 | 2 1/2 | 2 | 8 3/4 | 20 1/2 |
| WXBC400-7-V-AA | WXBC400-7-V-CH-AA | 4 | 40 | 7 | 4 1/2 | 2 1/2 | 2 | 8 1/2 | 20 1/2 |
| WXBC400E-5-V-AA | WXBC400E-5-V-CH-AA | 4 | 80 | 5 | 4 1/2 | 2 1/2 | 2 | 6 1/4 | 18 1/4 |
| WXBC500-5-V-AA | WXBC500-5-V-CH-AA | 5 | 40 | 5 | 5 | 2 1/2 | 2 | 6 1/4 | 18 1/4 |
| WXBC500E-5-V-AA | WXBC500E-5-V-CH-AA | 5 | 80 | 5 | 5 | 2 1/2 | 2 | 6 1/4 | 18 1/4 |
| WXBC500-7- V-AA | WXBC500-7-V-CH-AA | 5 | 40 | 7 | 5 | 2 1/2 | 2 | 8 1/2 | 20 1/2 |
| WXBC600-5-V-AA | WXBC600-5-V-CH-AA | 6 | 40 | 5 | 5 1/2 | 2 1/2 | 2 | 6 1/4 | 18 1/4 |
| WXBC600-7-V-AA | WXBC600-7-V-CH-AA | 6 | 40 | 7 | 5 1/2 | 2 1/2 | 2 | 8 1/2 | 20 1/2 |
| WXBC600E-5-V-AA | WXBC600E-5-V-CH-AA | 6 | 80 | 5 | 5 1/2 | 2 1/2 | 2 | 6 1/4 | 18 1/4 |
| WXBC800E-5-V-AA | WXBC800E-5-V-CH-AA | 8 | 80 | 5 | 6 7/8 | 2 1/2 | 2 | 6 1/4 | 18 1/4 |
| WXBC800R-5-V-AA | WXBC800R-5-V-CH-AA | 8" O.D. | – | 5 | 7 1/2 | 2 1/2 | 2 | 6 1/4 | 18 1/4 |

Each item should be either SCH 40 or SCH 80 (E).

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2011, AFL, all rights reserved. PP-3-00583, Revision 1, 3.18.2026
Specifications are subject to change without notice.



AFL | AFLglobal.com
1 (800) 890-8878

345/500 kV
Bus Supports

# DOSSERT®

## TYPE WXBC-HV-AA

**Welded Expansion Bus Support Rated for 500 kV**



### Material

Aluminum Alloy

### Mounting Hardware

Galvanized mounting hardware included.

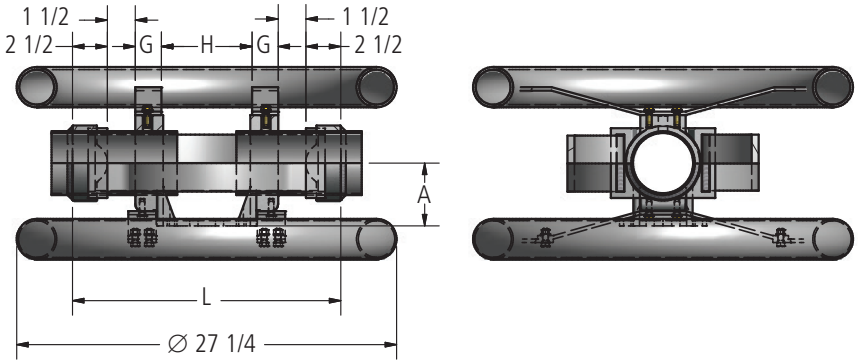
### Hardware

Stainless steel bolts, lockwashers, and flatwashers.

### Notes

For chatter spring add "-CH" to catalog number, order: WXBC500-5-HV-CH-AA.

For end plugs add "-WP" to catalog number, order: WXBC500-5-HV-AA-WP.




### Ordering Information

| CATALOG NUMBER | | SPS | SCHEDULE NUMBER | BOLT CIRCLE | DIMENSIONS IN INCHES | | | |
|---|---|---|---|---|---|---|---|---|
| STANDARD | WITH CHATTER SPRING | | | | A | G | H | L |
| WXBC400-5-HV-AA | WXBC400-5-HV-CH-AA | 4 | 40 | 5 | 4 1/2 | 2 | 6 1/4 | 18 1/4 |
| WXBC400-7-HV-AA | WXBC400-7-HV-CH-AA | 4 | 40 | 7 | 4 1/2 | 2 | 8 1/2 | 20 1/2 |
| WXBC400E-5-HV-AA | WXBC400E-5-HV-CH-AA | 4 | 80 | 5 | 4 1/2 | 2 | 6 1/4 | 18 1/4 |
| WXBC400E-7-HV-AA | WXBC400E-7-HV-CH-AA | 4 | 80 | 7 | 4 1/2 | 2 | 8 1/2 | 20 1/2 |
| WXBC500-5-HV-AA | WXBC500-5-HV-CH-AA | 5 | 40 | 5 | 5 | 2 | 6 1/4 | 18 1/4 |
| WXBC500-7- HV-AA | WXBC500-7-HV-CH-AA | 5 | 40 | 7 | 5 | 2 | 8 1/2 | 20 1/2 |
| WXBC500E-5-HV-AA | WXBC500E-5-HV-CH-AA | 5 | 80 | 5 | 5 | 2 | 6 1/4 | 18 1/4 |
| WXBC600-5-HV-AA | WXBC600-5-HV-CH-AA | 6 | 40 | 5 | 5 1/2 | 2 | 6 1/4 | 18 1/4 |
| WXBC600-7-HV-AA | WXBC600-7-HV-CH-AA | 6 | 40 | 7 | 5 1/2 | 2 | 8 1/2 | 20 1/2 |
| WXBC600E-5-HV-AA | WXBC600E-5-HV-CH-AA | 6 | 80 | 5 | 5 1/2 | 2 | 6 1/4 | 18 1/4 |
| WXBC800E-5-S-HV-AA | WXBC800E-5-S-HV-CH-AA | 8 | 80 | 5 | 6 7/8 | 2 | 6 1/4 | 18 1/4 |
| WXBC800R-5-S-HV-AA | WXBC800R-5-S-HV-CH-AA | 8" OD | - | 5 | 7 1/2 | 2 | 6 1/4 | 18 1/4 |
| WXBC800R-7-S-HV-AA | WXBC800R-7-S-HV-CH-AA | 8" OD | - | 7 | 7 1/2 | 2 1/2 | 9 1/8 | 22 1/8 |

Each item should be either SCH 40 or SCH 80 (E).

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.



© 2011, AFL, all rights reserved. PP-3-00582, Revision 0, 3.2.11
Specifications are subject to change without notice.

# TYPE C2SWB-V-AA Cable Support Clamp

Two-conductor strain bus support is designed to be corona free for 500 kV service.



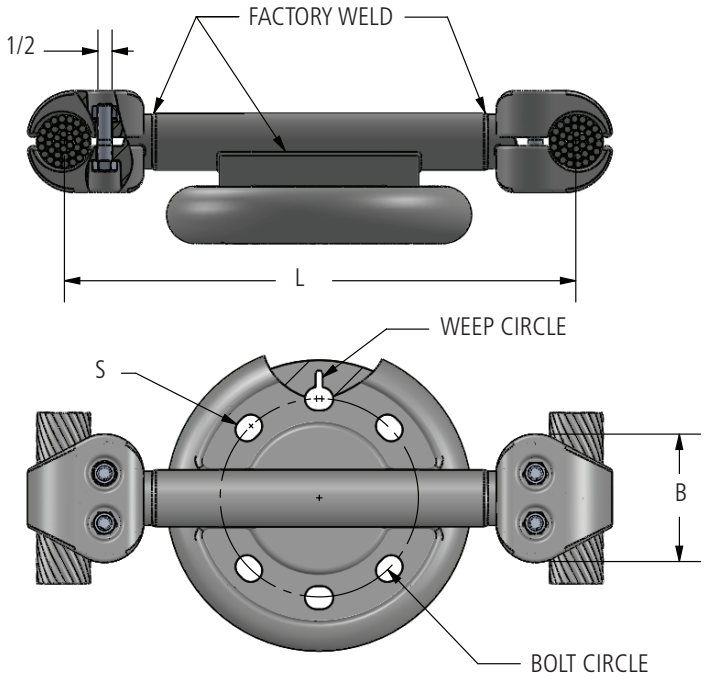
**Material**
Aluminum Alloy

**Hardware**
Aluminum bolts, lockwashers and nuts.

**Mounting Hardware**
Galvanized steel bolts and lockwashers.

## Notes

1. For Stainless Steel Hardware, add "-SS" to catalog number. Example: C2SWB360-8-2-V-AA-SS
2. For Stainless Steel Bolts, Lockwashers and Everdur nuts, add "-SSHBN" to catalog number. Example: C2SWB250-8-5-V-AA-SSHBN




AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2011, AFL, all rights reserved. PP-3-00264, Revision 5, 4.7.2025
Specifications are subject to change without notice.



AFL
AFLglobal.com
1 (800) 890-8878

# TYPE C2SWB-V-AA Cable Support Clamp

## Ordering Information

| Catalog Number | Cable Range | | | Bolt Circle | Dimensions in Inches | | |
|---|---|---|---|---|---|---|---|
| | Aluminum | | ACSR | | | | |
| | Min | Max | | | B | S | L |
| C2SWB79-12-5-V-AA | 750MCM | 795MCM | 636 (18/1) (24/7) (26/7) | 5 | 2 | 11/16 | 12 |
| C2SWB79-18-5-V-AA | 750MCM | 795MCM | 636 (18/1) (24/7) (26/7) | 5 | 2 | 11/16 | 18 |
| C2SWB95-8-5-V-AA | 800MCM | 954MCM | 795 (45/7) (24/7) (26/7) | 5 | 2 | 11/16 | 8 |
| C2SWB95-10-5-V-AA | 800MCM | 954MCM | 795 (45/7) (24/7) (26/7) | 5 | 2 | 11/16 | 10 |
| C2SWB95-12-5-V-AA | 800MCM | 954MCM | 795 (45/7) (24/7) (26/7) | 5 | 2 | 11/16 | 12 |
| C2SWB95-18-5-V-AA | 800MCM | 954MCM | 795 (45/7) (24/7) (26/7) | 5 | 2 | 11/16 | 18 |
| C2SWB95-18-7-V-AA | 800MCM | 954MCM | 795 (45/7) (24/7) (26/7) | 7 | 2 | 13/16 | 18 |
| C2SWB103-6-5-V-AA | 1000MCM | 1033.5MCM | 954 (45/7) (54/7) | 5 | 2 | 11/16 | 6 |
| C2SWB103-6-7-V-AA | 1000MCM | 1033.5MCM | 954 (45/7) (54/7) | 7 | 2 | 13/16 | 6 |
| C2SWB103-12-5-V-AA | 1000MCM | 1033.5MCM | 954 (45/7) (54/7) | 5 | 2 | 11/16 | 12 |
| C2SWB103-12-7-V-AA | 1000MCM | 1033.5MCM | 954 (45/7) (54/7) | 7 | 2 | 13/16 | 12 |
| C2SWB103-18-5-V-AA | 1000MCM | 1033.5MCM | 954 (45/7) (54/7) | 5 | 2 | 11/16 | 18 |
| C2SWB103-18-7-V-AA | 1000MCM | 1033.5MCM | 954 (45/7) (54/7) | 7 | 2 | 13/16 | 18 |
| C2SWB127-12-5-V-AA | 1113MCM | 1272MCM | 1033(54/7), 1113 (45/7) (54/19) | 5 | 4 1/2 | 11/16 | 12 |
| C2SWB127-12-7-V-AA | 1113MCM | 1272MCM | 1033(54/7), 1113 (45/7) (54/19) | 7 | 4 1/2 | 13/16 | 12 |
| C2SWB127-18-5-V-AA | 1113MCM | 1272MCM | 1033(54/7), 1113 (45/7) (54/19) | 5 | 4 1/2 | 11/16 | 18 |
| C2SWB127-18-7-V-AA | 1113MCM | 1272MCM | 1033(54/7), 1113 (45/7) (54/19) | 7 | 4 1/2 | 13/16 | 18 |
| C2SWB143-12-5-V-AA | 1300MCM | 1431MCM | 1272 (45/7) (54/19) | 5 | 4 1/2 | 11/16 | 12 |
| C2SWB143-18-5-V-AA | 1300MCM | 1431MCM | 1272 (45/7) (54/19) | 5 | 4 1/2 | 11/16 | 18 |
| C2SWB143-18-7-V-AA | 1300MCM | 1431MCM | 1272 (45/7) (54/19) | 7 | 4 1/2 | 13/16 | 18 |
| C2SWB160-6-5-V-AA | 1500MCM | 1600MCM 1272 ROPE L. | 1431 (45/7) (54/19) | 5 | 4 1/2 | 11/16 | 6 |
| C2SWB160-6-7-V-AA | 1500MCM | 1600MCM 1272 ROPE L. | 1431 (45/7) (54/19) | 7 | 4 1/2 | 11/16 | 6 |
| C2SWB160-12-5-V-AA | 1500MCM | 1600MCM 1272 ROPE L. | 1431 (45/7) (54/19) | 5 | 4 1/2 | 11/16 | 12 |
| C2SWB160-12-7-V-AA | 1500MCM | 1600MCM 1272 ROPE L. | 1431 (45/7) (54/19) | 7 | 4 1/2 | 11/16 | 12 |
| C2SWB160-18-5-V-AA | 1500MCM | 1600MCM 1272 ROPE L. | 1431 (45/7) (54/19) | 5 | 4 1/2 | 11/16 | 18 |
| C2SWB160-18-7-V-AA | 1500MCM | 1600MCM 1272 ROPE L. | 1431 (45/7) (54/19) | 7 | 4 1/2 | 13/16 | 18 |
| C2SWB180-8-5-V-AA | 1700MCM | 1800MCM | 1590 (45/7) (54/19) | 5 | 4 1/2 | 11/16 | 8 |
| C2SWB180-12-5-V-AA | 1700MCM | 1800MCM | 1590 (45/7) (54/19) | 5 | 4 1/2 | 11/16 | 12 |
| C2SWB180-18-5-V-AA | 1700MCM | 1800MCM | 1590 (45/7) (54/19) | 5 | 4 1/2 | 11/16 | 18 |
| C2SWB180-18-7-V-AA | 1700MCM | 1800MCM | 1590 (45/7) (54/19) | 7 | 4 1/2 | 13/16 | 18 |
| C2SWB205-6-5-V-AA | 2000MCM | 2049MCM | 1780(84/19), 2034.5(72/7) | 5 | 4 1/2 | 11/16 | 6 |
| C2SWB205-12-5-V-AA | 2000MCM | 2049MCM | 1780(84/19), 2034.5(72/7) | 5 | 4 1/2 | 11/16 | 12 |
| C2SWB205-13-5-V-AA | 2000MCM | 2049MCM | 1780(84/19), 2034.5(72/7) | 5 | 4 1/2 | 11/16 | 13 |

© 2011, AFL, all rights reserved. PP-3-00264, Revision 5, 4.7.2025
Specifications are subject to change without notice.

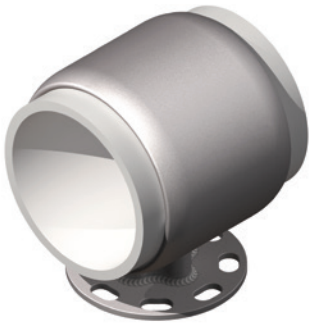
# TYPE C2SWB-V-AA Cable Support Clamp

## Ordering Information

| Catalog Number | Cable Range | | | Bolt Circle | Dimensions in Inches | | |
|---|---|---|---|---|---|---|---|
| | Aluminum | | ACSR | | | | |
| | Min | Max | | | B | S | L |
| C2SWB205-18-5-V-AA | 2000MCM | 2049MCM | 1780(84/19), 2034.5(72/7) | 5 | 4 1/2 | 11/16 | 18 |
| C2SWB205-18-7-V-AA | 2000MCM | 2049MCM | 1780(84/19), 2034.5(72/7) | 7 | 4 1/2 | 13/16 | 18 |
| C2SWB205-43-5-V-AA | 2000MCM | 2049MCM | 1780(84/19), 2034.5(72/7) | 5 | 4 1/2 | 11/16 | 43 |
| C2SWB240R-14-5-V-AA | — | 2.40 O.D. | — | 5 | 4 1/2 | 11/16 | 14 |
| C2SWB250-8-5-V-AA | 2250MCM | 2500MCM | 2156(84/19), 2300(96/19) | 5 | 4 1/2 | 11/16 | 8 |
| C2SWB250-12-5-V-AA | 2250MCM | 2500MCM | 2156(84/19), 2300(96/19) | 5 | 4 1/2 | 11/16 | 12 |
| C2SWB250-13-5-V-AA | 2250MCM | 2500MCM | 2156(84/19), 2300(96/19) | 5 | 4 1/2 | 11/16 | 13 |
| C2SWB250-14-7-V-AA | 2250 MCM | 2500MCM | 2156(84/19), 2300(96/19) | 7 | 4 1/2 | 11/16 | 14 |
| C2SWB250-18-5-V-AA | 2250MCM | 2500MCM | 2156(84/19), 2300(96/19) | 5 | 4 1/2 | 11/16 | 18 |
| C2SWB250-18-7-V-AA | 2250MCM | 2500MCM | 2156(84/19), 2300(96/19) | 7 | 4 1/2 | 13/16 | 18 |
| C2SWB275-18-5-V-AA | — | 2750MCM | 2515(76/19) | 5 | 4 1/2 | 11/16 | 18 |
| C2SWB275-18-7-V-AA | — | 2750MCM | 2515(76/19) | 7 | 4 1/2 | 13/16 | 18 |
| C2SWB300-12-7-V-AA | 2750MCM | 3000MCM | — | 7 | 4 1/2 | 13/16 | 12 |
| C2SWB350-6-5-V-AA | — | 3500MCM | — | 5 | 5 1/2 | 11/16 | 6 |
| C2SWB350-13-5-V-AA | — | 3500 MCM | — | 5 | 5 1/2 | 11/16 | 13 |

© 2011, AFL, all rights reserved. PP-3-00264, Revision 5, 4.7.2025
Specifications are subject to change without notice.

# TYPE 15700 EHV Support, Bolted, Slip & Fixed



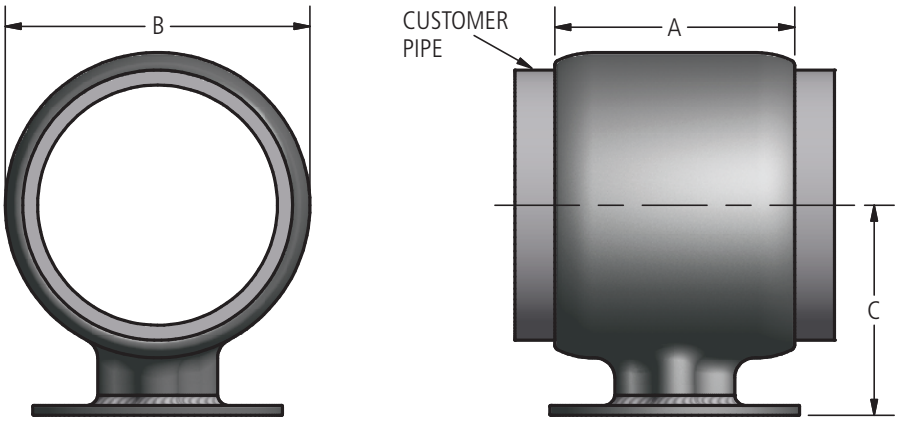
Single ring support is designed to be corona free for 345 kV and 500 kV service. Support is designed to be slip or tight fit; for tight fit bus is field welded to support. Stainless steel chatter springs are supplied as standard item for slip fit applications.

**Material**

Aluminum Alloy

**Mounting Hardware**

Galvanized steel bolts and lockwashers.




## Ordering Information

| Catalog Number | Conductor Size | Dimensions in inches | | | Nominal Weight (lbs) |
|---|---|---|---|---|---|
| | SPS & EPHS | A | B | C | |
| **5" Bolt Circle** | | | | | |
| 15708-5 EHV | 3 | 3.00 | 4.44 | 3.62 | 3.2 |
| 15709-5 EHV | 3 1/2 | 3.50 | 5.00 | 4.00 | 3.8 |
| 15710-5 EHV | 4 | 4.00 | 5.56 | 4.50 | 4.6 |
| 15712-5 EHV | 5 | 5.00 | 6.44 | 5.00 | 5.4 |
| 15713-5 EHV | 6 | 6.00 | 7.62 | 5.50 | 7.7 |
| **7" Bolt Circle** | | | | | |
| 15708-7 EHV | 3 | 3.00 | 4.44 | 3.62 | 4.3 |
| 15709-7 EHV | 3 1/2 | 3.50 | 5.00 | 4.00 | 4.9 |
| 15710-7 EHV | 4 | 4.00 | 5.56 | 4.50 | 5.7 |
| 15712-7 EHV | 5 | 5.00 | 6.44 | 5.00 | 6.5 |
| 15713-7 EHV | 6 | 6.00 | 7.62 | 5.50 | 8.8 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2011, AFL, all rights reserved. PP-3-00156, Revision 1, 4.7.2025
Specifications are subject to change without notice.

# TYPE 32800 EHV Support, Bolted, Wave Trap-Type

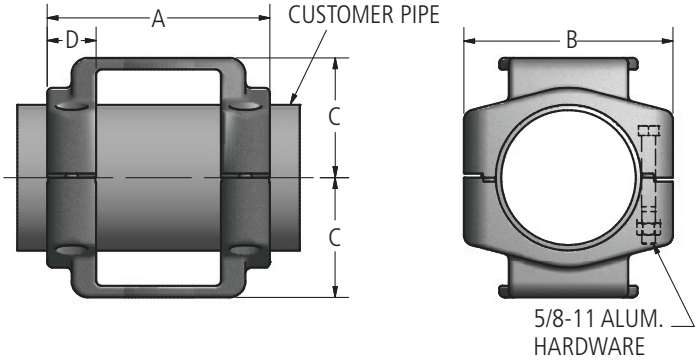


Wave trap support is designed to be corona free for 345 kV and 500 kV service. Support is combination wave trap support and tight fit bus support designed with standard bolt circle pattern on top and bottom mounting surfaces. Support is supplied with bus clamp hardware and two sets of insulator mounting hardware. Distance from the centerline of the bus to top and bottom mounting surfaces is standard NEMA center line distance.

**Material**
Aluminum Alloy

**Mounting Hardware**
Galvanized steel bolts and lockwashers.

**Hardware**
Yellow anodized aluminum bolts, nuts, and lockwashers.




## Ordering Information

| Catalog Number | Conductor Size | Dimensions in inches | | | | Nominal Weight lbs |
|---|---|---|---|---|---|---|
| | SPS and EPHS | A | B | C | D | |
| **5" Bolt Circle** | | | | | | |
| 32807-5EHV | 2 1/2 | 10.50 | 6.00 | 3.13 | 2.00 | 7.8 |
| 32808-5 EHV | 3 | 10.50 | 7.25 | 3.62 | 2.00 | 8.8 |
| 32809-5 EHV | 3 1/2 | 11.00 | 7.75 | 4.00 | 2.25 | 13.1 |
| 32810-5 EHV | 4 | 11.00 | 8.25 | 4.50 | 2.25 | 15.8 |
| 32812-5 EHV | 5 | 11.50 | 9.50 | 5.00 | 2.50 | 19.1 |
| 32813-5 EHV | 6 | 11.50 | 10.50 | 5.50 | 2.50 | 19.7 |
| **7" Bolt Circle** | | | | | | |
| 32808-7 EHV | 3 | 12.75 | 7.25 | 3.62 | 2.00 | 11.0 |
| 32809-7 EHV | 3 1/2 | 13.25 | 7.75 | 4.00 | 2.25 | 14.9 |
| 32810-7 EHV | 4 | 13.25 | 8.25 | 4.50 | 2.25 | 17.6 |
| 32812-7 EHV | 5 | 13.75 | 9.50 | 5.00 | 2.50 | 20.9 |
| 32813-7 EHV | 6 | 13.75 | 10.50 | 5.50 | 2.50 | 21.5 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

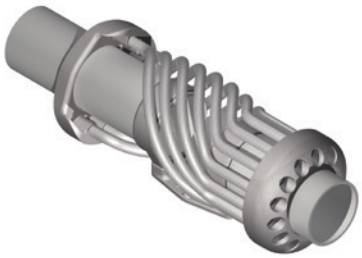
© 2011, AFL, all rights reserved. PP-3-00173, Revision 2, 4.7.2025
Specifications are subject to change without notice.



AFL | AFLglobal.com
1 (800) 890-8878

# TYPE 35700 EHV

Expansion support is designed to be corona free for 500 kV service. Rope lay expansion provides for 2.6" (66 mm) of expansion or contraction. Dimension "D" shown is for an installation temperature of 68° F (20° C). For other installation temperatures, see the General Information Section on page 11 in the Substation Accessories catalog. Stainless steel chatter springs are supplied; weld end plugs can be supplied if required.



### Material

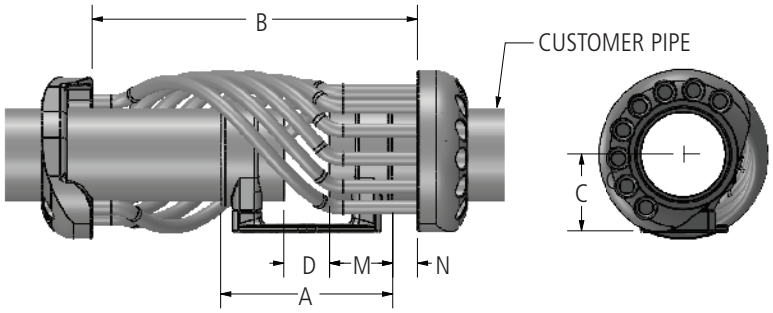
Aluminum Alloy

### Mounting Hardware

Galvanized steel bolts and lockwashers.

### Notes

- For end plugs, add "-WP" to catalog number for Schedule 40 pipe, "-WPE" for Schedule 80. EX: 35712-7EHV-WPE.




## Ordering Information

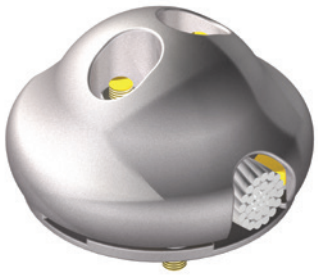
| Catalog Number | Conductor Size | Dimensions in inches | | | | | | Nominal Weight lbs |
|---|---|---|---|---|---|---|---|---|
| | SPS & EPHS | A | B | C | D | M | N | |
| **5" Bolt Circle** | | | | | | | | |
| 35708-5 EHV | 3 | 10.50 | 20.50 | 3.62 | 3.25 | 3.62 | 1.75 | 21.0 |
| 35709-5 EHV | 3 1/2 | 11.00 | 21.94 | 4.00 | 3.25 | 3.88 | 1.75 | 22.0 |
| 35710-5 EHV | 4 | 11.00 | 21.94 | 4.50 | 3.25 | 3.88 | 1.75 | 23.0 |
| 35712-5 EHV | 5 | 11.50 | 20.62 | 5.00 | 3.25 | 4.12 | 1.75 | 26.0 |
| 35713-5 EHV | 6 | 11.50 | 23.12 | 5.50 | 3.25 | 4.12 | 1.75 | 34.0 |
| 35714-5 EHV | 8 | 12.75 | 25.00 | 6.91 | 3.25 | 6.50 | 1.75 | 40.0 |
| **7" Bolt Circle** | | | | | | | | |
| 35708-7 EHV | 3 | 12.75 | 22.75 | 3.62 | 3.25 | 4.75 | 1.75 | 22.0 |
| 35709-7 EHV | 3 1/2 | 13.25 | 24.19 | 4.00 | 3.25 | 5.00 | 1.75 | 23.0 |
| 35710-7 EHV | 4 | 13.25 | 24.19 | 4.50 | 3.25 | 5.00 | 1.75 | 24.0 |
| 35712-7 EHV | 5 | 13.75 | 22.88 | 5.00 | 3.25 | 5.25 | 1.75 | 27.0 |
| 35713-7 EHV | 6 | 13.75 | 25.38 | 5.50 | 3.25 | 5.25 | 1.75 | 35.0 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2011, AFL, all rights reserved. PP-3-00196. Revision 4, 4.7.2025
Specifications are subject to change without notice.

# TYPE 33800 EHV

## Cable Support

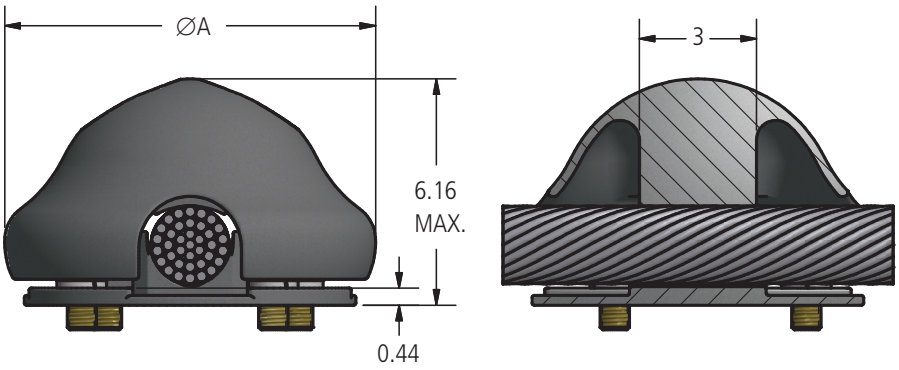


Single conductor strain bus support is designed to be corona free for 345 kV service. Support is designed with universal groove to accept conductors with diameter from 1.545" to 2.158".

### Material
Aluminum Alloy

### Mounting Hardware
Galvanized steel bolts and lockwashers.

### Hardware
Yellow anodized aluminum bolts, nuts, and lockwashers.




### Ordering Information

| Catalog Number | Conductor Diameter range | Dimensions in inches | Nominal Weight lbs |
|---|---|---|---|
| | | A | |
| **5" Bolt Circle** | | | |
| 33805-5 EHV | 1.545 - 2.158 | 7.25 | 4.5 |
| **7" Bolt Circle** | | | |
| 33805-7 EHV | 1.545 - 2.158 | 9.5 | 6.6 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2011, AFL, all rights reserved. PP-3-00174, Revision 1, 7.25.2025
Specifications are subject to change without notice.

# DOSSERT®

## TYPE CP-V-AA



### Pipe-to-Pipe Coupler

Joins two pipes of the same size together corona free up to 500 kV.

### Material

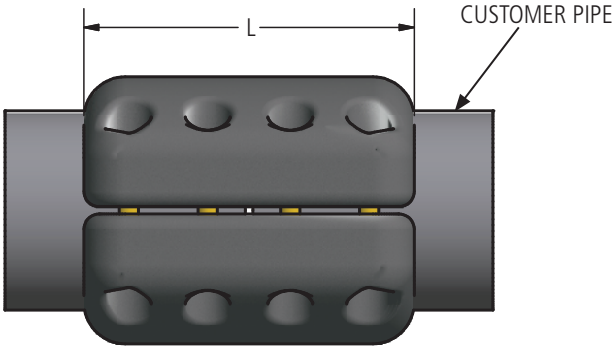
Aluminum Alloy

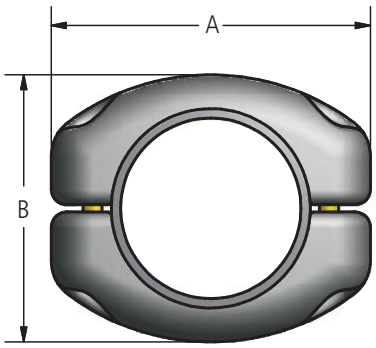
### Hardware

Yellow anodized aluminum nuts, bolts, and lockwashers.

### Notes

- For Grade Five Galvanized Steel Hardware add "-GS5" to catalog number. EX: CP400-V-AA-GS5
- For Stainless Steel bolts, lockwashers and Everdur nuts add "-SSHBN" to catalog number. EX: CP400-V-AASSHBN



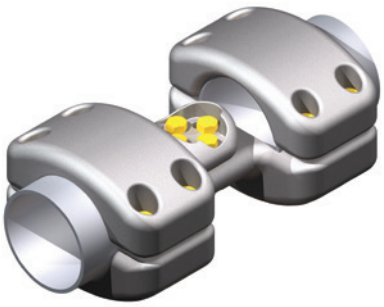

### Ordering Information

| CATALOG NUMBER | SPS | DIMENSIONS IN INCHES | | | BOLT SIZE | NUMBER BOLTS |
|---|---|---|---|---|---|---|
| | | A | B | L | | |
| CP250-V-AA | 2 1/2 | 5 3/4 | 4 7/8 | 8 1/4 | 1/2 | 8 |
| CP300-V-AA | 3 | 7 3/8 | 5 1/8 | 10 1/4 | 5/8 | 8 |
| CP350-V-AA | 3 1/2 | 7 7/8 | 6 1/8 | 10 1/4 | 5/8 | 8 |
| CP400-V-AA | 4 | 8 3/8 | 6 5/8 | 12 1/4 | 5/8 | 8 |
| CP500-V-AA | 5 | 9 3/8 | 7 7/8 | 16 1/4 | 5/8 | 12 |
| CP600-V-AA | 6 | 10 5/8 | 8 7/8 | 11 | 5/8 | 8 |
| CP800R-V-AA | 8" OD | 12 | 11 1/8 | 18 1/4 | 5/8 | 12 |
| CP800-V-AA | 8 | 11 7/8 | 10 7/8 | 18 1/4 | 5/8 | 12 |



© 2011, AFL, all rights reserved. PP-3-00289, Revision 1, 9.20.18
Specifications are subject to change without notice.

# DOSSERT®
# TYPE CPV-V-AA



## Variable Angle Pipe Coupler

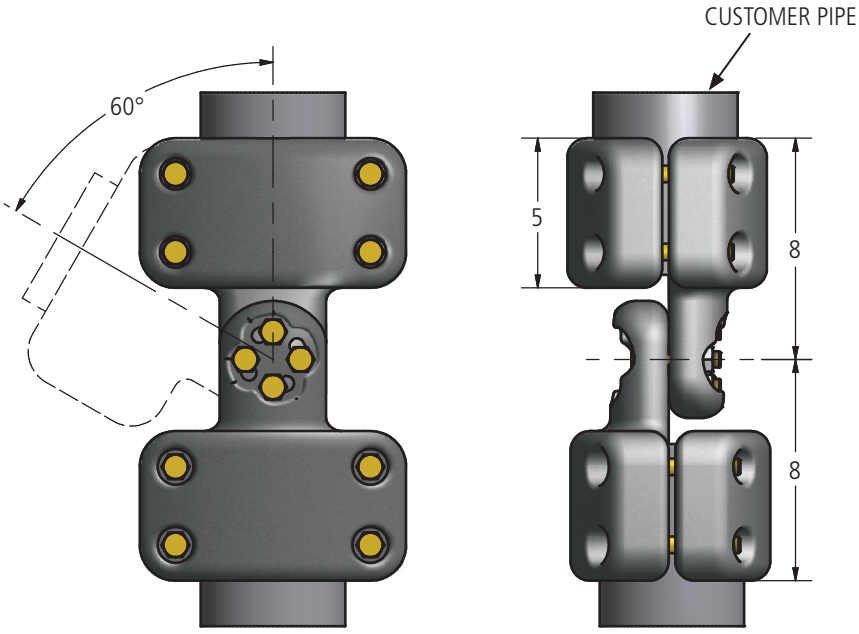
Pipe coupler is designed to be corona free for 345 kV and 500 kV service. Coupler designed to change angle to the installers suit.

## Material

Aluminum Alloy

## Hardware

Yellow anodized aluminum bolts, nuts, and lockwashers.




## Ordering Information

| CATALOG NUMBER | SPS | NOMINAL WEIGHT LBS |
|---|---|---|
| CPV400-V-AA | 4 | 26 |
| CPV500-V-AA | 5 | 47 |
| CPV600-V-AA | 6 | 54 |



© 2011, AFL, all rights reserved. PP-3-00290, Revision 0, 3.3.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE WWC-AA, WWC-E-AA

### Aluminum Welded Coupler Rated for 500 kV

Coupler is designed to make connections with high mechanical strength and high electrical conductivity.



### Material

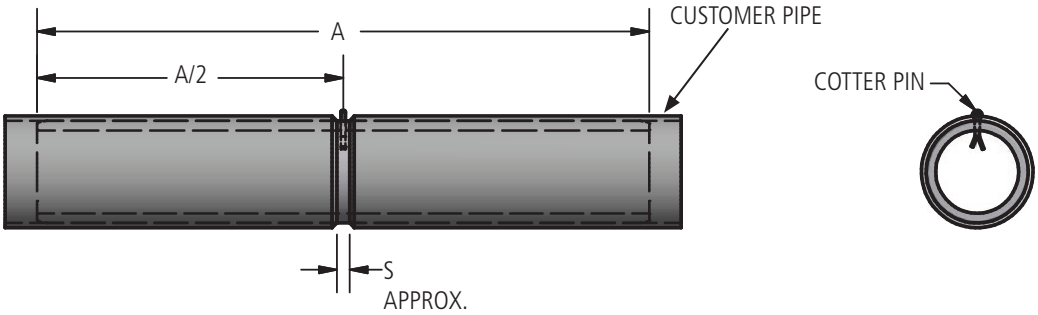
Aluminum tubing

### Hardware

Aluminum cotter pin

### Notes

For pipe sizes greater than 6 inch or special I.D. and O.D. applications, please contact AFL. A shorter version of this coupler is Type WS.




### Ordering Information

| CATALOG NUMBER | | SPS / EPHS | DIMENSIONS (INCHES) | |
|---|---|---|---|---|
| SCHEDULE 40 | SCHEDULE 80 | | A | S |
| WWC75-AA | WWC75E-AA | 3/4 | 4-1/2 | 1/4 |
| WWC100-AA | WWC100E-AA | 1 | 6 | 1/4 |
| WWC125-AA | WWC125E-AA | 1-1/4 | 7-1/2 | 3/8 |
| WWC150-AA | WWC150E-AA | 1-1/2 | 9 | 3/8 |
| WWC200-AA | WWC200E-AA | 2 | 12 | 3/8 |
| WWC250-AA | WWC250E-AA | 2-1/2 | 15 | 1/2 |
| WWC300-AA | WWC300E-AA | 3 | 18 | 1/2 |
| WWC350-AA | WWC350E-AA | 3-1/2 | 21 | 1/2 |
| WWC400-AA | WWC400E-AA | 4 | 24 | 1/2 |
| WWC450-AA | WWC450E-AA | 4-1/2 | 24 | 1/2 |
| WWC500-AA | WWC500E-AA | 5 | 24 | 1/2 |
| WWC600-AA | WWC600E-AA | 6 | 24 | 5/8 |
| WWC600-5/8-AA | — | 6-5/8 WALL | 12 | 5/8 |
| WWC600R38-AA | — | 6 OD 3/8 WALL | 38 | 5/8 |
| WWC800-AA | WWC800E-AA | 8 | 24 | 5/8 |
| WWC800R38-AA | — | 8 OD 3/8 WALL | 38 | 5/8 |
| WWC800R-AA | — | 8 OD 1/2 WALL | 24 | 5/8 |
| WWC800R9/32-AA | — | 8 OD 9/32 WALL | 12 | 5/8 |



© 2011, AFL, all rights reserved. PP-3-00576, Revision 1, 10.10.17
Specifications are subject to change without notice.

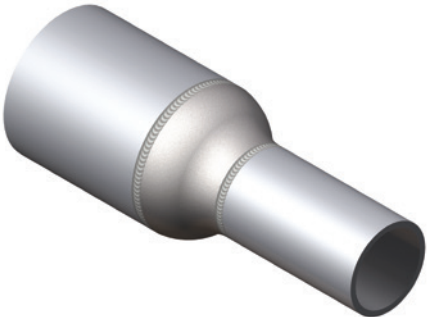
# 345/500 kV Aluminum Welded Couplers

DOSSERT®

## TYPE WWCR-V-AA

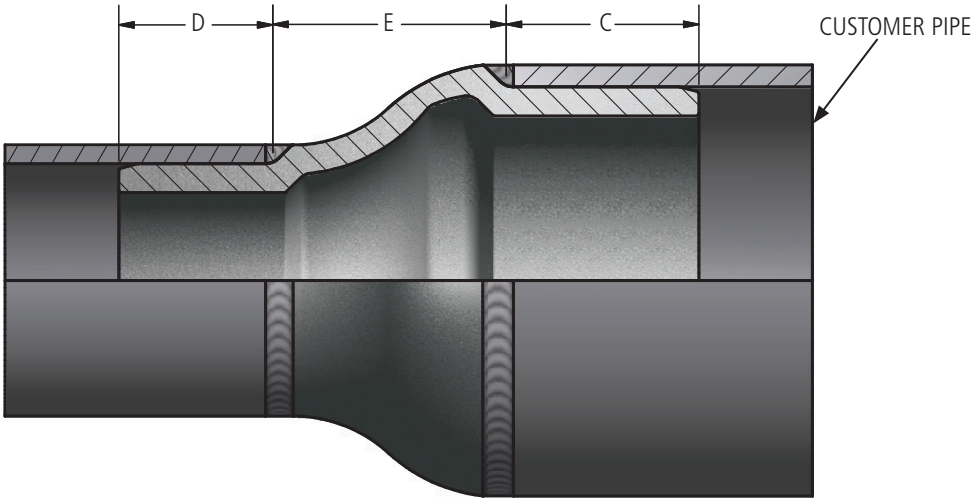
### Welded Reducing Coupler

Reducing coupler for joining aluminum pipe of different diameters. Designed to be corona free for 500 kV service. Provides maximum structural reinforcement at the joint as well as neat and corona free installation. Pipe is easily aligned and held during welding.



### Material

Aluminum Alloy




### Ordering Information

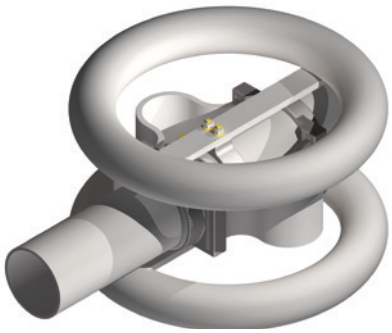
| CATALOG NUMBER | SPS | | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|---|
| | RUN | REDUCED | C | D | E |
| WWCR400-300-V-AA | 4 | 3 | 2 1/4 | 2 | 1 5/16 |
| WWCR400-350-V-AA | 4 | 3 1/2 | 2 1/4 | 2 | 1 |
| WWCR500-250-V-AA | 5 | 2 1/2 | 2 1/2 | 2 | 3 |
| WWCR500-300-V-AA | 5 | 3 | 2 1/2 | 2 | 3 |
| WWCR500-350-V-AA | 5 | 3 1/2 | 2 1/2 | 2 | 1 13/16 |
| WWCR500-400-V-AA | 5 | 4 | 2 1/2 | 2 1/4 | 1 3/8 |
| WWCR500E-400E-V-AA | 5 SCH80 | 4 SCH80 | 2 3/4 | 2 1/4 | 2 1/8 |
| WWCR600-300-V-AA | 6 | 3 | 3 | 2 | 2 1/2 |
| WWCR600-350-V-AA | 6 | 3 1/2 | 3 | 2 | 2 1/2 |
| WWCR600-400-V-AA | 6 | 4 | 3 | 2 1/4 | 2 3/4 |
| WWCR600-500-V-AA | 6 | 5 | 3 | 2 1/2 | 2 1/2 |
| WWCR800R-400-V-AA | 8 OD | 4 | 4 | 3 | 3 5/16 |
| WWCR800-500-V-AA | 8 | 5 | 4 | 3 | 3 |



© 2011, AFL, all rights reserved. PP-3-00578, Revision 3, 7.20.2020
Specifications are subject to change without notice.

# DOSSERT®

## TYPE XWWC-V-AA, XWWC-HV-AA



### Expansion Coupler

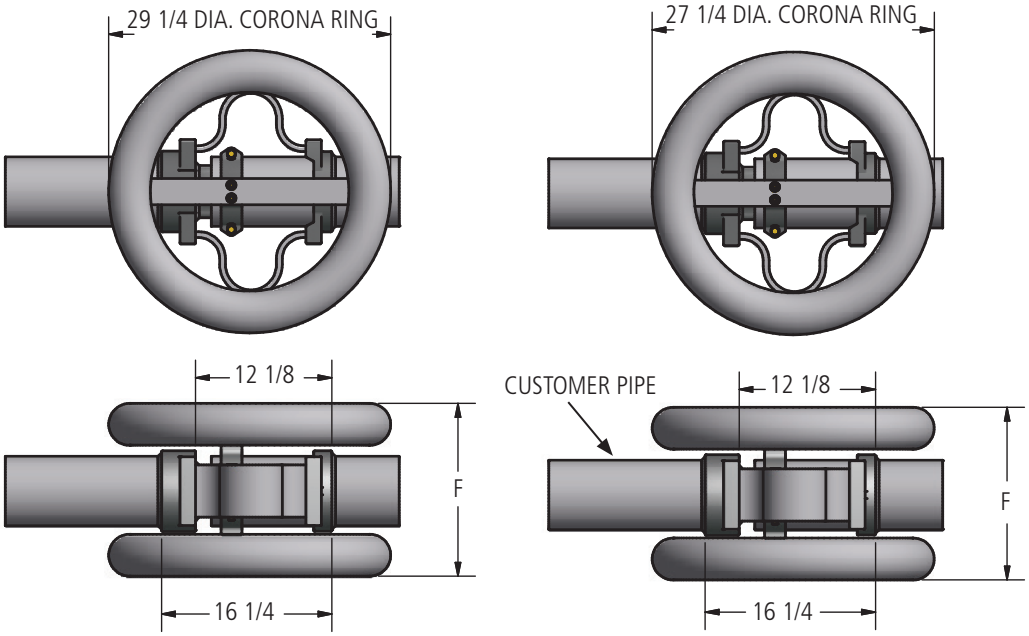
Expansion coupler for aluminum pipe connections. Provided with alignment guide for field weld.

### Material

Aluminum Alloy

### Hardware

Aluminum bolts, nuts, and lockwashers.




XWWC-V-AA
345 kV

XWWC-HV-AA
500 kV

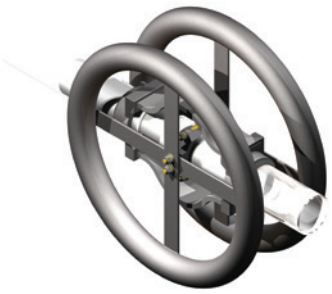
### Ordering Information

| CATALOG NUMBER | | | | SPS / EPHS | DIMENSIONS IN INCHES |
|---|---|---|---|---|---|
| 345 kV | | 500 kV | | | |
| SCHEDULE 40 | SCHEDULE 80 | SCHEDULE 40 | SCHEDULE 80 | | F |
| XWWC250-V-AA | XWWC250E-V-AA | XWWC250-HV-AA | XWWC250E-HV-AA | 2 1/2 | 10 1/4 |
| XWWC300-V-AA | XWWC300E-V-AA | XWWC300-HV-AA | XWWC300E-HV-AA | 3 | 11 1/4 |
| XWWC400-V-AA | XWWC400E-V-AA | XWWC400-HV-AA | XWWC400E-HV-AA | 4 | 12 1/8 |
| XWWC500-V-AA | XWWC500E-V-AA | XWWC500-HV-AA | XWWC500E-HV-AA | 5 | 13 1/8 |
| XWWC600-V-AA | XWWC600E-V-AA | XWWC600-HV-AA | XWWC600E-HV-AA | 6 | 14 1/4 |
| XWWC800-V-AA | XWWC800E-V-AA | XWWC800-HV-AA | XWWC800E-HV-AA | 8 | 15 1/4 |



© 2011, AFL, all rights reserved. PP-3-00602, Revision 0, 3.3.11
Specifications are subject to change without notice.

# DOSSERT®
# TYPE XWWCT-HV-AA



### Expansion Coupler

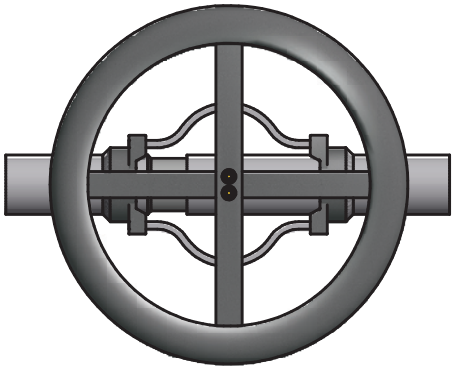
Expansion coupler for aluminum pipe connections. Part is designed to be corona free from 345 kV to 500 kV. Provided with alignment guide for field weld.

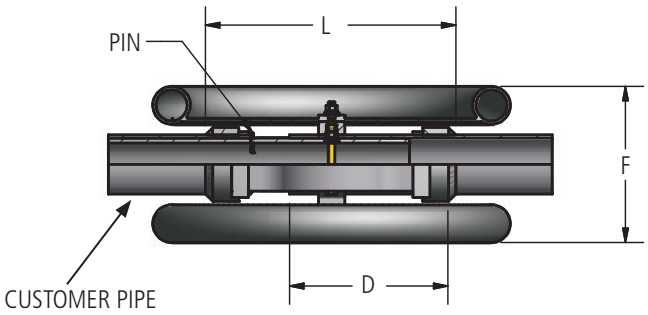
### Material

Aluminum Alloy

### Hardware

Aluminum bolts, nuts, and lockwashers.






### Ordering Information

| CATALOG NUMBER | | SPS / EPHS | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|---|
| SCHEDULE 40 | SCHEDULE 80 | | D | F | L |
| XWWCT200-HV-AA | XWWCT200E-HV-AA | 2 | 10 1/4 | 6 | 17 3/8 |
| XWWCT250-HV-AA | XWWCT250E-HV-AA | 2 1/2 | 10 1/4 | 6 | 17 1/2 |
| XWWCT300-HV-AA | XWWCT300E-HV-AA | 3 | 11 1/4 | 6 | 17 1/2 |
| XWWCT350-HV-AA | XWWCT350E-HV-AA | 3 1/2 | 11 1/4 | 6 | 17 1/2 |
| XWWCT400-HV-AA | XWWCT400E-HV-AA | 4 | 12 1/8 | 7 | 18 |
| XWWCT500-HV-AA | XWWCT500E-HV-AA | 5 | 13 1/8 | 7 | 18 |
| XWWCT600-HV-AA | XWWCT600E-HV-AA | 6 | 14 1/4 | 7 | 18 |
| XWWCT800-HV-AA | XWWCT800E-HV-AA | 8 | 18 | 7 | 18 |



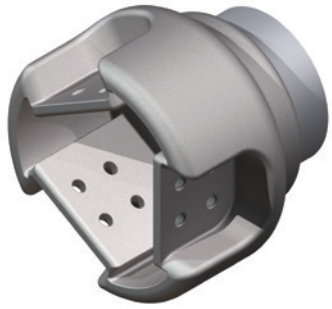
© 2011, AFL, all rights reserved. PP-3-00601, Revision 0, 3.3.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE WRP3C-8-V-AA

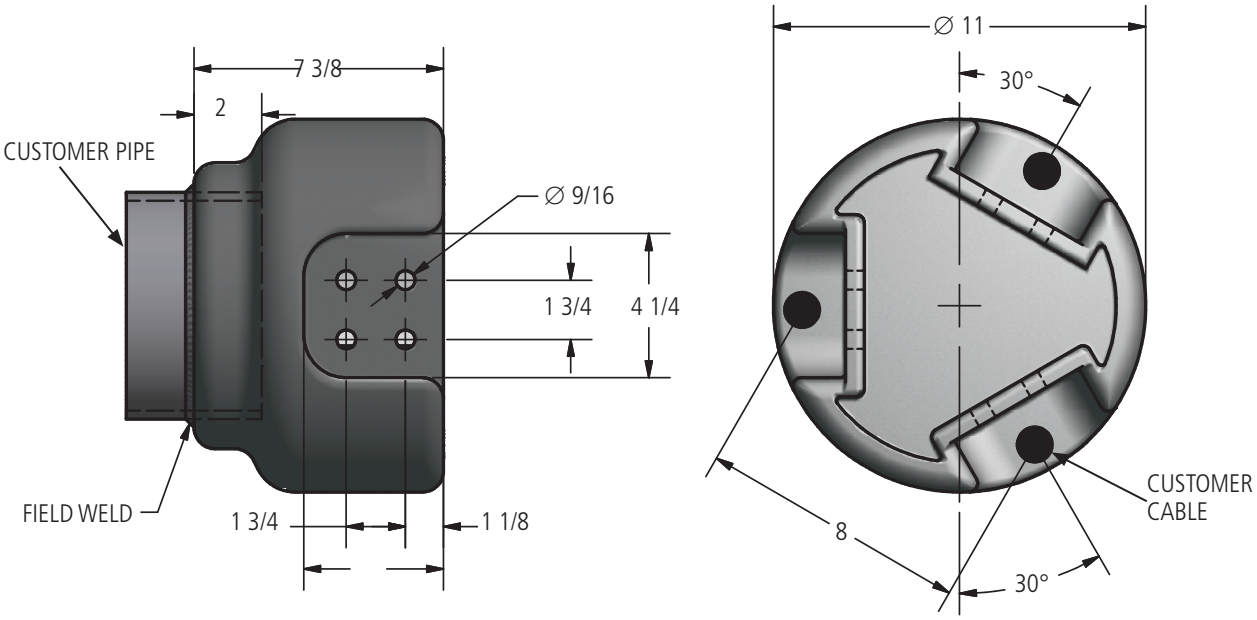
### Welded Terminal to Three NEMA Pads

Pipe ending going to three NEMA pads. Part is designed to be corona free for 345 kV and 500 kV service.



### Material

Aluminum Alloy




### Ordering Information

| CATALOG NUMBER | SPS |
|---|---|
| WRP3C350-8-V-AA | 3 1/2 |
| WRP3C400-8-V-AA | 4 |
| WRP3C500-8-V-AA | 5 |
| WRP3C600-8-V-AA | 6 |
| WRP3C800R-8-V-AA | 8 OD |



© 2011, AFL, all rights reserved. PP-3-00544, Revision 0, 3.3.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE 35300 EHV

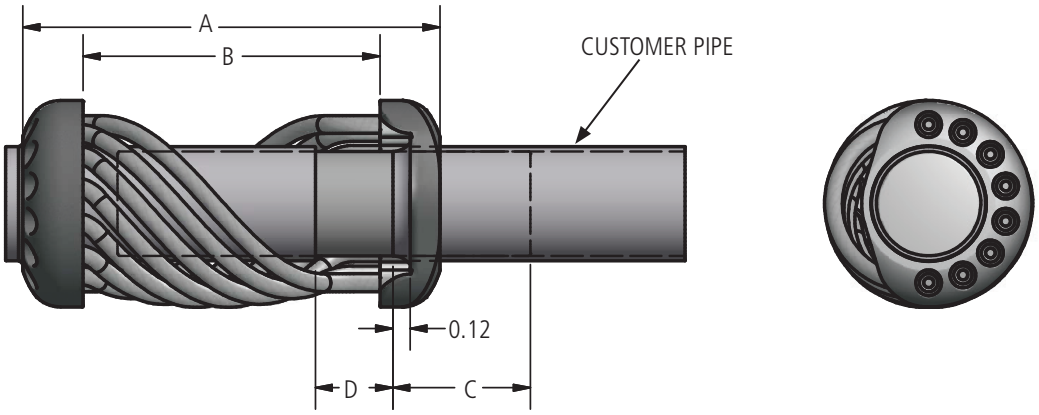
### Welded Expansion Coupler (Tube)

Expansion coupler is designed to be corona free for 500 kV service. Rope lay expansion provides for 2.6" of expansion or contraction.



### Material

Aluminum Alloy




### Ordering Information

| CATALOG NUMBER | CONDUCTOR SIZE | DIMENSIONS IN INCHES | | | | NOMINAL WEIGHT LBS |
|---|---|---|---|---|---|---|
| | SPS & EPHS | A | B | C | D | |
| 35308 EHV | 3 SPS | 21.38 | 15.38 | 6.56 | 3.25 | 30.3 |
| 35328 EHV | 3 EHPS | 21.38 | 15.38 | 6.56 | 3.25 | 31.1 |
| 35309 EHV | 3 1/2 SPS | 21.38 | 15.38 | 6.81 | 3.25 | 29.3 |
| 35329 EHV | 3 1/2 EHPS | 21.38 | 15.38 | 6.81 | 3.25 | 30.6 |
| 35310 EHV | 4 SPS | 21.38 | 15.38 | 7.25 | 3.25 | 30.0 |
| 35330 EHV | 4 EHPS | 21.38 | 15.38 | 7.25 | 3.25 | 32.0 |
| 35312 EHV | 5 SPS | 22.00 | 15.00 | 8.00 | 3.25 | 35.3 |
| 35332 EHV | 5 EHPS | 22.00 | 15.00 | 8.00 | 3.25 | 38.7 |
| 35313 EHV | 6 SPS | 24.25 | 17.25 | 8.88 | 3.25 | 45.0 |
| 35333 EHV | 6 EHPS | 24.25 | 17.25 | 8.88 | 3.25 | 49.4 |



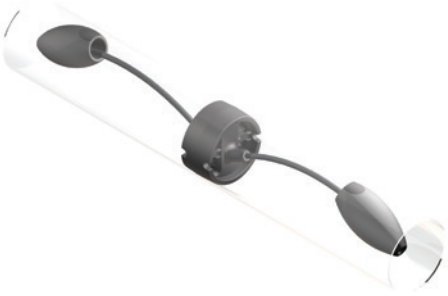
© 2011, AFL, all rights reserved. PP-3-00193, Revision 0, 3.3.11
Specifications are subject to change without notice.

# DOSSERT®

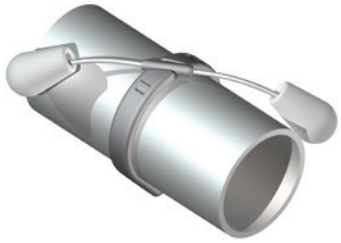
## TYPE 1705-EHV, 1706-EHV

### Internal and External Vibration Damper

Internal and external damper is designed to be corona free (see chart below for voltage ratings). Internal damper is designed to be welded inside bus, to be corona free, and to present a "clean" appearance to the substation. External damper is to be bolted to outside of tube. External damper can be installed during construction or at a later time to correct vibration problems not originally anticipated.



1705-EHV



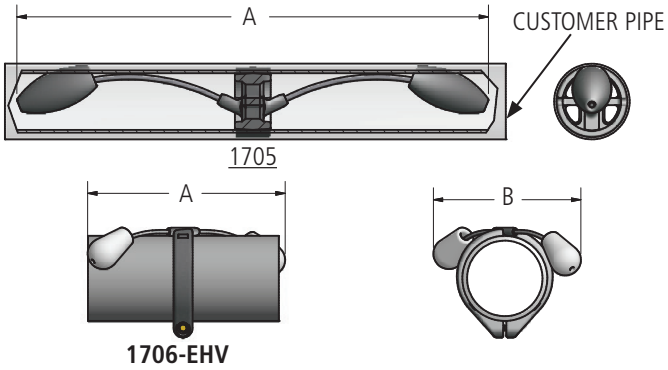
1706-EHV

### Material

Aluminum Alloy

### Hardware

Aluminum nuts, bolts, and lockwashers.




1706-EHV

### Ordering Information

| INTERNAL DAMPER | | | | |
|---|---|---|---|---|
| CATALOG NUMBER | CONDUCTOR SIZE | DIMENSIONS IN INCHES | NOMINAL WEIGHT IN LBS | |
| | | A | ALUMINUM | TOTAL |
| 1705-504 | 5 SPS | 36.88 | 2.7 | 13.3 |
| 1705-576 | 6 EHPS | 35.25 | 3.3 | 14.0 |
| 1705-607 | 6 SPS | 35.25 | 4.0 | 14.7 |
| 1705-762 | 8 EHPS | 36.88 | 3.3 | 13.9 |
| 1705-798 | 8 SPS | 36.88 | 3.4 | 14.0 |
| 1705-700 | 8" OD x 1/2 WALL | 36.88 | 3.2 | 13.8 |
| 1705-725 | 8" OD x 3/8 WALL | 36.88 | 3.2 | 13.8 |

| EXTERNAL DAMPER | | | | | | |
|---|---|---|---|---|---|---|
| CATALOG NUMBER | VOLTAGE RATING | CONDUCTOR SIZE SPS & EHPS | DIMENSIONS IN INCHES | | NOMINAL WEIGHT IN LBS | |
| | | | A | B | ALUMINUM | TOTAL |
| 1706-008 EHV | 345 kV | 3 | 28.0 | 12.6 | 1.9 | 15.6 |
| 1706-009 EHV | 345 kV | 3 1/2 | 27.8 | 13.2 | 2.0 | 15.7 |
| 1706-010 EHV | 345 kV | 4 | 27.6 | 13.6 | 2.1 | 15.8 |
| 1706-012 EHV | 345 kV | 5 | 26.8 | 15.4 | 2.5 | 16.2 |
| 1706-013 EHV | 345 kV | 6 | 26.2 | 17.8 | 2.7 | 16.4 |
| 1706-014 EHV | 500 kV | 8" OD | 24.8 | 18.6 | 3.9 | 17.6 |





© 2011, AFL, all rights reserved. PP-3-00163, Revision 3, 8.12.15
Specifications are subject to change without notice.

# DOSSERT®

## TYPE CXBHV-AA, CXWHV-AA

### Bolted Corona Ball

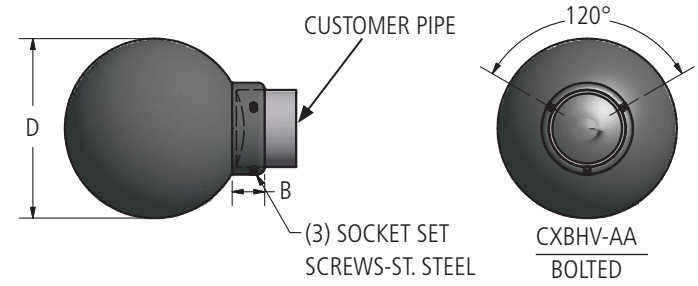


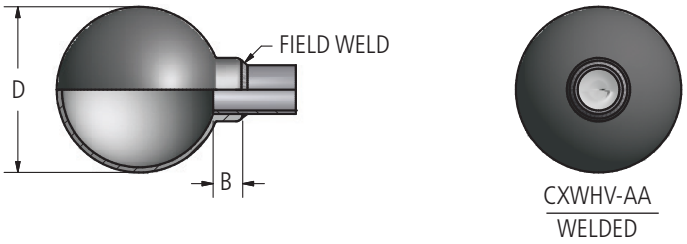
Bolted and welded corona bell is designed to be corona free for 345 kV and 500 kV service.



### Material

Aluminum Alloy




### Ordering Information

| CATALOG NUMBER | | SPS | DIMENSIONS IN INCHES | |
|---|---|---|---|---|
| BOLTED | WELDED | | B | D |
| CXBHV250-AA | CXWHV250-AA | 2 1/2 | 2 1/16 | 10 |
| CXBHV300-AA | CXWHV300-AA | 3 | 2 1/16 | 13 |
| CXBHV350-AA | CXWHV350-AA | 3 1/2 | 2 1/16 | 13 |
| CXBHV400-AA | CXWHV400-AA | 4 | 2 1/16 | 13 |
| CXBHV500-AA | CXWHV500-AA | 5 | 2 7/16 | 13 |
| CXBHV600-AA | CXWHV600-AA | 6 | 2 7/8 | 13 |
| CXBHV800-AA | CXWHV800-AA | 8 | 3 3/4 | 14 |
| CXBHV800R-AA | CXWHV800R-AA | 8 OD | 3 5/16 | 13 |



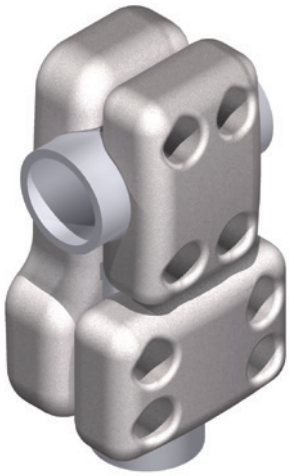
© 2011, AFL, all rights reserved. PP-3-00301, Revision 2, 11.27.17
Specifications are subject to change without notice.

# DOSSERT®

## TYPE BAP-V-AA

### Bolted Tee for Pipe

Bolted tee connector is designed to be corona free for 345 kV and 500 kV service.

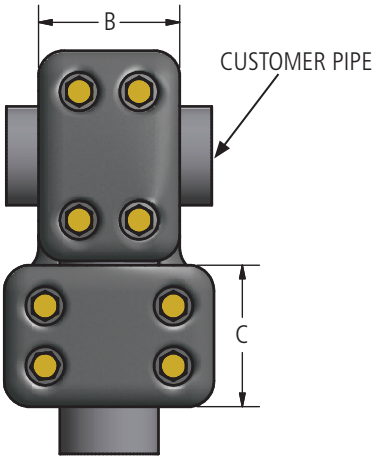


### Material

Aluminum Alloy

### Hardware

Aluminum nuts, bolts, and lockwashers.







### Ordering Information

| CATALOG NUMBER | SPS | | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|---|---|
| | RUN | TAP | B | C | L | |
| BAP250-250-V-AA | 2 1/2 | 2 1/2 | 4 1/8 | 4 1/8 | 10 | 1/2 |
| BAP300-300-V-AA | 3 | 3 | 5 | 5 | 12 1/2 | 5/8 |
| BAP300-600-V-AA | 3 | 6 | 5 | 6 1/4 | 13 13/16 | 5/8 |
| BAP400-200-V-AA | 4 | 2 | 4 1/8 | 4 1/2 | 11 5/8 | 1/2 |
| BAP400-300-V-AA | 4 | 3 | 6 | 5 | 13 7/8 | 5/8 |
| BAP400-400-V-AA | 4 | 4 | 6 | 6 | 21 1/2 | 5/8 |
| BAP500-300-V-AA | 5 | 3 | 5 3/4 | 5 | 15 1/2 | 5/8 |
| BAP500-400-V-AA | 5 | 4 | 5 3/4 | 6 | 15 5/8 | 5/8 |
| BAP500-500-V-AA | 5 | 5 | 7 | 7 | 17 | 5/8 |
| BAP600-300-V-AA | 6 | 3 | 6 | 5 | 15 3/4 | 5/8 |
| BAP800R-400-V-AA | 8 OD | 4 | 6 | 5 1/4 | 15 5/8 | 5/8 |
| BAP800-600-V-AA | 8 | 6 | 7 1/2 | 7 | 17 3/4 | 5/8 |





© 2011, AFL, all rights reserved. PP-3-00240, Revision 1, 2.1.19
Specifications are subject to change without notice.

# DOSSERT®

## TYPE PFTS-N-V-AA

### Bolted Pipe Tee to Four-Hole Pad



A clamp type tee connector for joining a bus to a tubular bus main. Special bearing surfaces insure maximum contact efficiency. Designed for 345 kV and 500 kV service.

### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum nuts, bolts, and lockwashers.

### Notes

- For Terminal Pad Hardware Shield, add "-CSBV" to catalog number.
  EX: PFTS250-4N4-V-AA-CSBV
- For Grade Five Galvanized Steel Hardware, add "-GS5" to catalog number.
  EX: PFTS600-4N4-V-AA-GS5
- For Stainless Steel bolts, lockwashers and Everdur nuts, add "-SSHB" to catalog number.
  EX: PFTS600-4N4-V-AA-SSHBN

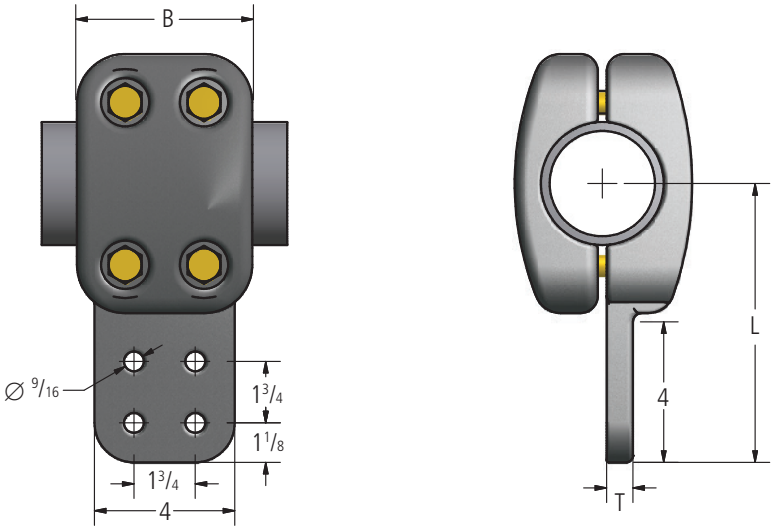



FIG. 1

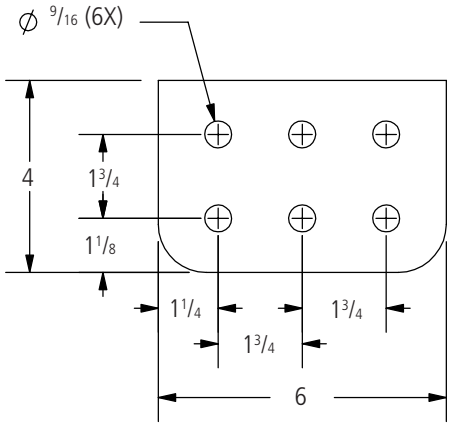



FIG. 2





© 2011, AFL, all rights reserved. PP-3-00396, Revision 2, 12.18.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE PFTS-N-V-AA

### Bolted Pipe Tee to Four-Hole Pad

### Ordering Information

| CATALOG NUMBER | SPS | FIG. NO. | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|---|---|
| | | | B | L | T | |
| PFTS250-4N4-V-AA | 2 1/2 | 1 | 4.13 | 7.31 | 0.75 | 1/2 |
| PFTS300-4N4-V-AA | 3 | 1 | 5.00 | 7.94 | 0.75 | 5/8 |
| PFTS350-4N4-V-AA | 3 1/2 | 1 | 4.88 | 8.00 | 0.88 | 5/8 |
| PFTS400-4N4-V-AA | 4 | 1 | 6.00 | 8.50 | 0.88 | 5/8 |
| PFTS500-4N4-V-AA | 5 | 1 | 5.75 | 9.31 | 1.00 | 5/8 |
| PFTS500-6N4-V-AA | 5 | 2 | 5.75 | 9.38 | 1.00 | 5/8 |
| PFTS600-4N4-V-AA | 6 | 1 | 5.00 | 9.44 | 1.00 | 5/8 |
| PFTS600-6N4-V-AA | 6 | 2 | 5.00 | 9.44 | 1.00 | 5/8 |



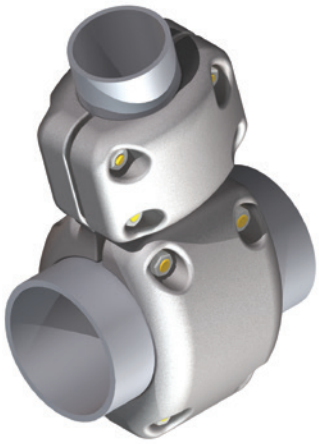


© 2011, AFL, all rights reserved. PP-3-00396, Revision 2, 12.18.18
Specifications are subject to change without notice.

# DOSSERT®
## TYPE BPA-75-V-AA

### 75-Degree Bolted Tee

Bolted tee connector at 75° is designed to be corona free for 345 kV and 525 kV service.



### Material

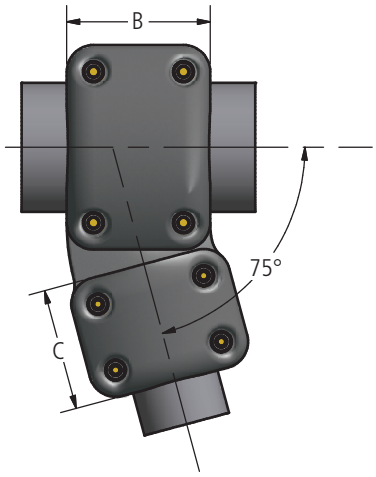
Aluminum Alloy

### Hardware

Yellow anodized aluminum nuts, bolts, and lockwashers.

### Notes

- For Stainless Steel bolt, lockwasher and Everdur nut, add "-SSHBN" to catalog number.
  EX: BPA200-200-75-V-AA-SSHBN







### Ordering Information

| CATALOG NUMBER | PIPE SIZE | | DIMENSIONS IN INCHES | |
|---|---|---|---|---|
| | RUN | TAP | B | C |
| BPA200-200-75-V-AA | 2 | 2 | 5 | 5 |
| BPA250-125-75-V-AA | 2 1/2 | 1 1/4 | 4 1/8 | 4 1/8 |
| BPA250-250-75-V-AA | 2 1/2 | 2 1/2 | 4 1/8 | 4 1/8 |
| BPA300-300-75-V-AA | 3 | 3 | 5 | 5 |
| BPA400-200-75-V-AA | 4 | 2 | 6 | 5 |
| BPA400-400-75-V-AA | 4 | 4 | 6 | 6 |
| BPA500-300-75-V-AA | 5 | 3 | 5 3/4 | 5 |
| BPA500-400-75-V-AA | 5 | 4 | 5 3/4 | 6 |
| BPA600-300-75-V-AA | 6 | 3 | 5 | 5 |
| BPA600-350-75-V-AA | 6 | 3 1/2 | 5 | 4 7/8 |
| BPA800R-500-75-V-AA | 8 OD | 5 | 6 | 5 3/4 |
| BPA800-300-75-V-AA | 8 | 3 | 4 3/4 | 5 |

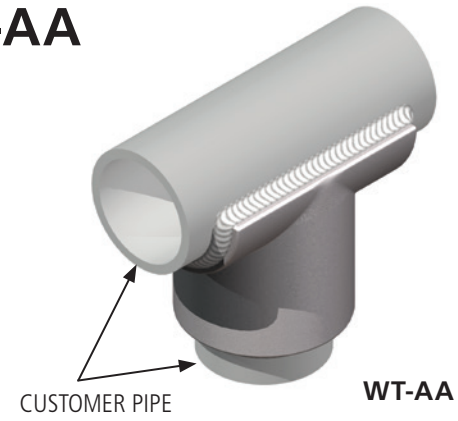




© 2011, AFL, all rights reserved. PP-3-00251, Revision 1, 9.20.18
Specifications are subject to change without notice.

# TYPE WT-AA, WTA-75-AA, WTA-80-AA

**Welded Tee Rated for 500 kV**



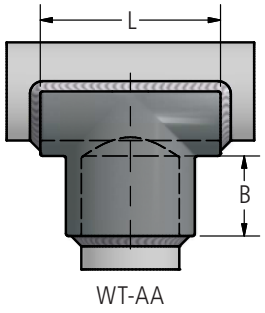

**WT-AA**

## Material

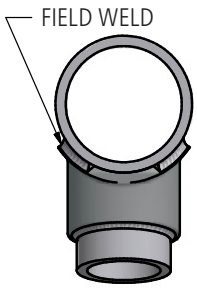
Aluminum Alloy

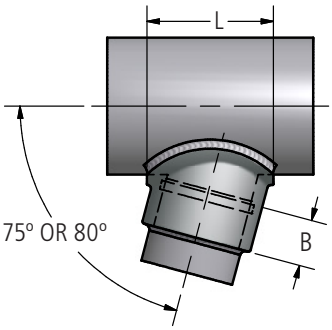
## Notes

1. For a welded tee at 75° for 1" to 1" pipe order: WTA100-100-75-AA
2. For a welded tee at 80° for 1" to 1" pipe order: WTA100-100-80-AA




WT-AA




WTA-AA



**WTA-AA**

## Ordering Information

| SPS | | Catalog Number | | | Dimensions in Inches | |
|---|---|---|---|---|---|---|
| Run | TAP or Branch | 90 Degree | 75 Degree | 80 Degree | B | L |
| 3/4 | 3/4 | WT75-75-AA | WTA75-75-75-AA | WTA75-75-75-80-AA | 3/4 | 2 1/8 |
| 1 | 3/4 | WT100-75-AA | WTA100-75-75-AA | WTA100-75-80-AA | 3/4 | 2 1/8 |
| 1 | 1 | WT100-100-AA | WTA100-100-75-AA | WTA100-100-80-AA | 3/4 | 2 1/4 |
| 1 1/4 | 3/4 | WT125-75-AA | WTA125-75-75-AA | WTA125-75-80-AA | 3/4 | 2 1/8 |
| 1 1/4 | 1 | WT125-100-AA | WTA125-100-75-AA | WTA125-100-80-AA | 3/4 | 2 1/4 |
| 1 1/4 | 1 1/4 | WT125-125-AA | WTA125-125-75-AA | WTA125-125-80-AA | 1 | 2 3/4 |
| 1 1/4 | 2 1/2 | WT125-250-AA | WTA125-250-75-AA | WTA125-250-80-AA | 1 1/2 | 3 1/2 |
| 1 1/2 | 3/4 | WT150-75-AA | WTA150-75-75-AA | WTA150-75-80-AA | 3/4 | 2 1/8 |
| 1 1/2 | 1 | WT150-100-AA | WTA150-100-75-AA | WTA150-100-80-AA | 3/4 | 2 1/4 |
| 1 1/2 | 1 1/4 | WT150-125-AA | WTA150-125-75-AA | WTA150-125-80-AA | 1 | 2 1/2 |
| 1 1/2 | 1 1/2 | WT150-150-AA | WTA150-150-75-AA | WTA150-150-80-AA | 1 | 3 1/8 |
| 1 1/2 | 2 | WT150-200-AA | WTA150-200-75-AA | WTA150-200-80-AA | 1 1/4 | 3 11/16 |
| 2 | 3/4 | WT200-75-AA | WTA200-75-75-AA | WTA200-75-80-AA | 3/4 | 2 1/8 |
| 2 | 1 | WT200-100-AA | WTA200-100-75-AA | WTA200-100-80-AA | 7/8 | 2 1/4 |
| 2 | 1 1/4 | WT200-125-AA | WTA200-125-75-AA | WTA200-125-80-AA | 1 1/4 | 2 11/16 |
| 2 | 1 1/2 | WT200-150-AA | WTA200-150-75-AA | WTA200-150-80-AA | 1 | 2 3/4 |
| 2 | 2 | WT200-200-AA | WTA200-200-75-AA | WTA200-200-80-AA | 1 1/4 | 3 11/16 |
| 2 | 2 1/2 | WT200-250-AA | WTA200-250-75-AA | WTA200-250-80-AA | 1 1/2 | 4 1/8 |
| 2 | 3 | WT200-300-AA | WTA200-300-75-AA | WTA200-300-80-AA | 1 3/4 | 4 3/8 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

*continued*

© 2011, AFL, all rights reserved. PP-3-00549, Revision 4, 2.24.2026
Specifications are subject to change without notice.

# TYPE WT-AA, WTA-75-AA, WTA-80-AA (cont.)

## Welded Tee Rated for 500 kV

### Ordering Information

| SPS | | Catalog Number | | | Dimensions in Inches | |
|---|---|---|---|---|---|---|
| Run | TAP or Branch | 90 Degree | 75 Degree | 80 Degree | B | L |
| 2 | 4 | WT200-400-AA | WTA200-400-75-AA | WTA200-400-80-AA | 2 1/4 | 5 1/2 |
| 2 | 5 | WT200-500-AA | WTA200-500-75-AA | WTA200-500-80-AA | 2 3/4 | 6 7/16 |
| 2 | 6 | WT200-600-AA | WTA200-600-75-AA | WTA200-600-80-AA | 3 1/4 | 8 1/4 |
| 2 1/2 | 3/4 | WT250-75-AA | WTA250-75-75-AA | WTA250-75-80-AA | 3/4 | 2 5/8 |
| 2 1/2 | 1 | WT250-100-AA | WTA250-100-75-AA | WTA250-100-80-AA | 3/4 | 2 1/8 |
| 2 1/2 | 1 1/4 | WT250-125-AA | WTA250-125-75-AA | WTA250-125-80-AA | 1 | 3 1/8 |
| 2 1/2 | 1 1/2 | WT250-150-AA | WTA250-150-75-AA | WTA250-150-80-AA | 1 | 3 1/8 |
| 2 1/2 | 2 | WT250-200-AA | WTA250-200-75-AA | WTA250-200-80-AA | 1 1/4 | 3 11/16 |
| 2 1/2 | 2 1/2 | WT250-250-AA | WTA250-250-75-AA | WTA250-250-80-AA | 1 1/2 | 3 3/4 |
| 3 | 3/4 | WT300-75-AA | WTA300-75-75-AA | WTA300-75-80-AA | 3/4 | 2 1/8 |
| 3 | 1 | WT300-100-AA | WTA300-100-75-AA | WTA300-100-80-AA | 3/4 | 2 1/8 |
| 3 | 1 1/4 | WT300-125-AA | WTA300-125-75-AA | WTA300-125-80-AA | 1 | 2 1/2 |
| 3 | 1 1/2 | WT300-150-AA | WTA300-150-75-AA | WTA300-150-80-AA | 1 | 2 3/4 |
| 3 | 2 | WT300-200-AA | WTA300-200-75-AA | WTA300-200-80-AA | 1 1/4 | 3 1/4 |
| 3 | 2 1/2 | WT300-250-AA | WTA300-250-75-AA | WTA300-250-80-AA | 1 1/2 | 3 3/4 |
| 3 | 3 | WT300-300-AA | WTA300-300-75-AA | WTA300-300-80-AA | 1 3/4 | 4 3/8 |
| 3 | 3 1/2 | WT300-350-AA | WTA300-350-75-AA | WTA300-350-80-AA | 2 | 4 7/8 |
| 3 | 4 | WT300-400-AA | WTA300-400-75-AA | WTA300-400-80-AA | 2 1/4 | 5 3/8 |
| 3 | 5 | WT300-500-AA | WTA300-500-75-AA | WTA300-500-80-AA | 2 3/4 | 6 7/16 |
| 3 1/2 | 3/4 | WT350-75-AA | WTA350-75-75-AA | WTA350-75-80-AA | 3/4 | 2 1/8 |
| 3 1/2 | 1 | WT350-100-AA | WTA350-100-75-AA | WTA350-100-80-AA | 3/4 | 2 1/4 |
| 3 1/2 | 1 1/4 | WT350-125-AA | WTA350-125-75-AA | WTA350-125-80-AA | 1 | 2 1/2 |
| 3 1/2 | 1 1/2 | WT350-150-AA | WTA350-150-75-AA | WTA350-150-80-AA | 1 | 2 3/4 |
| 3 1/2 | 2 | WT350-200-AA | WTA350-200-75-AA | WTA350-200-80-AA | 1 1/4 | 3 7/8 |
| 3 1/2 | 2 1/2 | WT350-250-AA | WTA350-250-75-AA | WTA350-250-80-AA | 1 1/2 | 3 3/4 |
| 3 1/2 | 3 | WT350-300-AA | WTA350-300-75-AA | WTA350-300-80-AA | 1 3/4 | 4 7/8 |
| 3 1/2 | 3 1/2 | WT350-350-AA | WTA350-350-75-AA | WTA350-350-80-AA | 2 | 5 3/8 |
| 4 | 3/4 | WT400-75-AA | WTA400-75-75-AA | WTA400-75-80-AA | 3/4 | 2 1/8 |
| 4 | 1 | WT400-100-AA | WTA400-100-75-AA | WTA400-100-80-AA | 7/8 | 3 1/8 |
| 4 | 1 1/4 | WT400-125-AA | WTA400-125-75-AA | WTA400-125-80-AA | 1 | 2 1/2 |
| 4 | 1 1/2 | WT400-150-AA | WTA400-150-75-AA | WTA400-150-80-AA | 1 | 3 1/8 |
| 4 | 2 | WT400-200-AA | WTA400-200-75-AA | WTA400-200-80-AA | 2 | 4 3/8 |
| 4 | 2 1/2 | WT400-250-AA | WTA400-250-75-AA | WTA400-250-80-AA | 1 1/2 | 4 1/4 |
| 4 | 3 | WT400-300-AA | WTA400-300-75-AA | WTA400-300-80-AA | 1 3/4 | 4 7/8 |
| 4 | 3 1/2 | WT400-350-AA | WTA400-350-75-AA | WTA400-350-80-AA | 2 | 5 1/2 |
| 4 | 4 | WT400-400-AA | WTA400-400-75-AA | WTA400-400-80-AA | 2 1/4 | 6 1/8 |

*continued*

© 2011, AFL, all rights reserved. PP-3-00549, Revision 4, 2.24.2026
Specifications are subject to change without notice.

# TYPE WT-AA, WTA-75-AA, WTA-80-AA (cont.)

## Welded Tee Rated for 500 kV

### Ordering Information

| SPS | | Catalog Number | | | Dimensions in Inches | |
|---|---|---|---|---|---|---|
| Run | TAP or Branch | 90 Degree | 75 Degree | 80 Degree | B | L |
| 5 | 1 | WT500-100-AA | WTA500-100-75-AA | WTA500-100-80-AA | 3/4 | 2 1/4 |
| 5 | 1 1/4 | WT500-125-AA | WTA500-125-75-AA | WTA500-125-80-AA | 1 | 2 1/2 |
| 5 | 1 1/2 | WT500-150-AA | WTA500-150-75-AA | WTA500-150-80-AA | 1 | 2 3/4 |
| 5 | 2 | WT500-200-AA | WTA500-200-75-AA | WTA500-200-80-AA | 1 1/4 | 3 1/4 |
| 5 | 2 1/2 | WT500-250-AA | WTA500-250-75-AA | WTA500-250-80-AA | 1 1/2 | 3 3/4 |
| 5 | 3 | WT500-300-AA | WTA500-300-75-AA | WTA500-300-80-AA | 1 3/4 | 4 7/8 |
| 5 | 3 1/2 | WT500-350-AA | WTA500-350-75-AA | WTA500-350-80-AA | 2 | 5 13/16 |
| 5 | 4 | WT500-400-AA | WTA500-400-75-AA | WTA500-400-80-AA | 2 1/4 | 5 15/16 |
| 5 | 5 | WT500-500-AA | WTA500-500-75-AA | WTA500-500-80-AA | 2 3/4 | 7 1/16 |
| 6 | 1 | WT600-100-AA | WTA600-100-75-AA | WTA600-100-80-AA | 3/4 | 2 1/4 |
| 6 | 1 1/4 | WT600-125-AA | WTA600-125-75-AA | WTA600-125-80-AA | 1 | 2 1/2 |
| 6 | 1 1/2 | WT600-150-AA | WTA600-150-75-AA | WTA600-150-80-AA | 1 | 2 3/4 |
| 6 | 2 | WT600-200-AA | WTA600-200-75-AA | WTA600-200-80-AA | 1 1/4 | 3 1/4 |
| 6 | 2 1/2 | WT600-250-AA | WTA600-250-75-AA | WTA600-250-80-AA | 1 1/2 | 3 3/4 |
| 6 | 3 | WT600-300-AA | WTA600-300-75-AA | WTA600-300-80-AA | 1 3/4 | 4 11/16 |
| 6 | 3 1/2 | WT600-350-AA | WTA600-350-75-AA | WTA600-350-80-AA | 2 | 5 3/8 |
| 6 | 4 | WT600-400-AA | WTA600-400-75-AA | WTA600-400-80-AA | 2 1/4 | 5 15/16 |
| 6 | 5 | WT600-500-AA | WTA600-500-75-AA | WTA600-500-80-AA | 2 3/4 | 6 7/16 |
| 6 | 6 | WT600-600-AA | WTA600-600-75-AA | WTA600-600-80-AA | 2 3/4 | 8 1/4 |
| 8 | 6 | WT800-600-AA | WTA800-600-75-AA | WTA800-600-80-AA | 2 3/4 | 8 1/2 |
| 8" O.D. | 4 | WT800R-400-AA | WTA800R-400-75-AA | WTA800R-400-80-AA | 2 1/4 | 5 15/16 |
| 8" O.D. | 5 | WT800R-500-AA | WTA800R-500-75-AA | WTA800R-500-80-AA | 2 3/4 | 6 7/16 |
| 8" O.D. | 8" O.D. | WT800R-800R-AA | WTA800R-800R-75-AA | WTA800R-800R-80-AA | 2 3/4 | 10 |

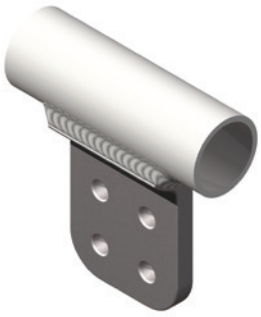
© 2011, AFL, all rights reserved. PP-3-00549, Revision 4, 2.24.2026
Specifications are subject to change without notice.

# DOSSERT®

## TYPE WTC-V-AA, WTF-V-AA

### Pipe Tap

Tee taps are designed to be corona free for 345 kV and 500 kV operation when pad covers are used to shield terminal hardware.



WTC-V-AA

### Material

Aluminum Alloy

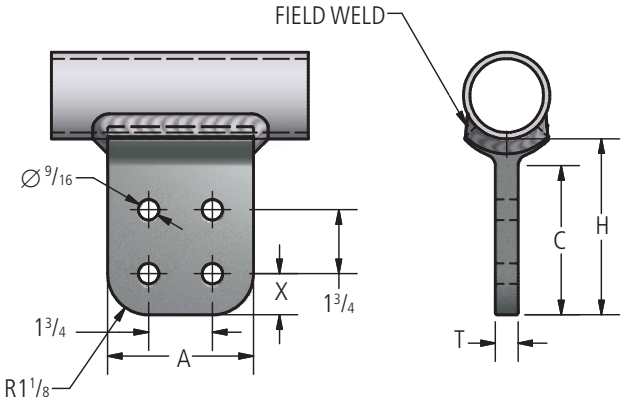



FIG. 1 WTC-V-AA



WTF-V-AA

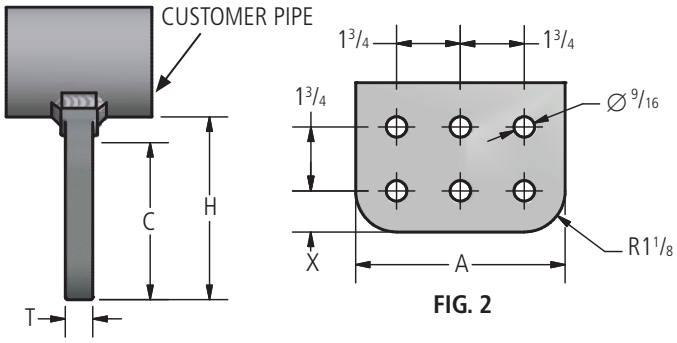



FIG. 2 WTF-V-AA

### Ordering Information

| CATALOG NUMBER | | SPS RANGE | FIG. NO. | DIMENSIONS IN INCHES | | | | |
|---|---|---|---|---|---|---|---|---|
| IN-LINE | 90 DEGREES | | | A | C | H | T | X |
| WTC250-4N-V-AA | WTF250-4N-V-AA | 1 THRU 2 1/2 | 1 | 3 | 3 1/4 | 3 7/8 | 1/2 | 5/8 |
| WTC250-4N4-V-AA | WTF250-4N4-V-AA | 1 THRU 2 1/2 | 1 | 4 | 4 1/4 | 4 7/8 | 5/8 | 1 1/8 |
| WTC600-4N-V-AA | WTF600-4N-V-AA | 3 THRU 6 | 1 | 3 | 3 1/4 | 4 | 3/4 | 5/8 |
| WTC600-4N4-V-AA | WTF600-4N4-V-AA | 3 THRU 6 | 1 | 4 | 4 1/4 | 5 | 3/4 | 1 1/8 |
| WTC600-6N4-V-AA | WTF600-6N4-V-AA | 3 THRU 6 | 2 | 6 | 4 1/4 | 5 | 3/4 | 1 1/8 |
| WTC800R-4N4-V-AA | WTF800R-4N4-V-AA | 8" O.D. | 1 | 4 | 4 1/4 | 5 | 3/4 | 1 1/8 |
| WTC800-4N4-V-AA | WTF800-4N4-V-AA | 8 | 1 | 4 | 4 1/4 | 5 | 3/4 | 1 1/8 |

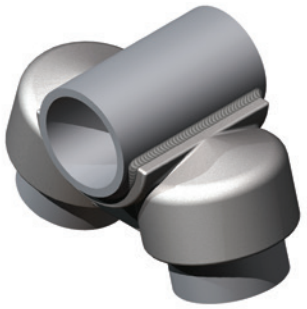


© 2011, AFL, all rights reserved. PP-3-00551, Revision 1, 11.12.13
Specifications are subject to change without notice.

# TYPE WVBP-20-V-AA, WVBP-30-V-AA

## Angle Welded Vee and Welded Tee Connector

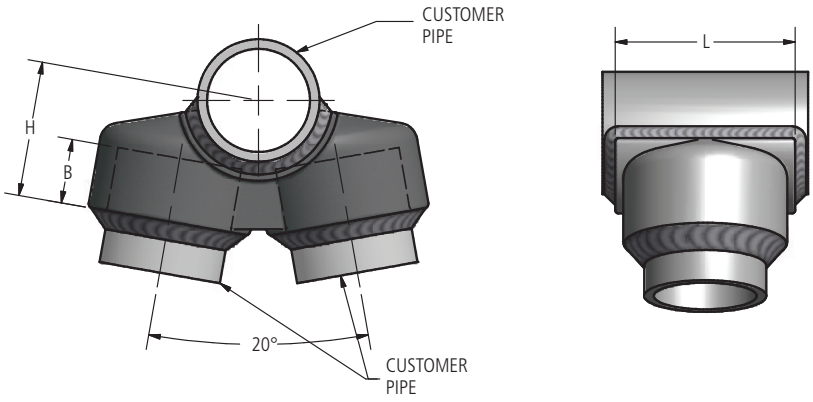
Welded A-frame connectors are designed to be corona free for 345 kV and 500 kV service. Connectors are designed to be welded on outside of pipe allowing use on both schedule 40 and schedule 80 pipe. Socket design allows for slight inaccuracies in field cut length of pipe.



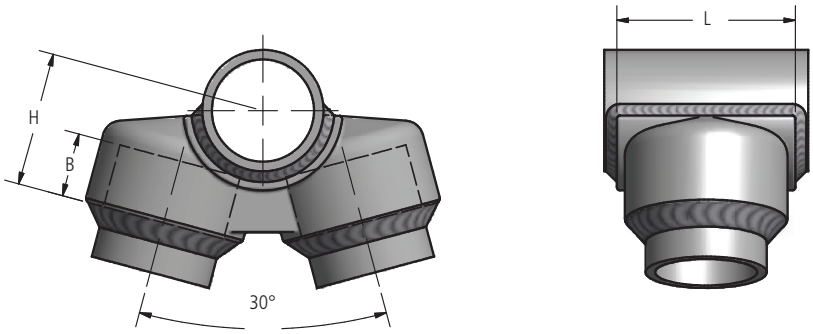
WVBP-20-V-AA

### Material

Aluminum Alloy




WVBP-20-V-AA




WVBP-30-V-AA

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

*continued*

© 2011, AFL, all rights reserved. PP-3-00574, Revision 3, 3.04.2026
Specifications are subject to change without notice.

# TYPE WVBP-20-V-AA, WVBP-30-V-AA

## Angle Welded Vee and Welded Tee Connector

### Ordering Information

| Catalog Number | | SPS | | Dimensions in Inches | | |
|---|---|---|---|---|---|---|
| 20 Degree | 30 Degree | RUN | TAP | B | H | L |
| WVBP300-125-20-V-AA | WVBP300-125-30-V-AA | 3 | 1-1/4 | 1 | 2-15/16 | 2-5/8 |
| WVBP300-150-20-V-AA | WVBP300-150-30-V-AA | 3 | 1-1/2 | 1 | 2-15/16 | 2-7/8 |
| WVBP300-200-20-V-AA | WVBP300-200-30-V-AA | 3 | 2 | 1-1/4 | 3-3/16 | 3-1/2 |
| WVBP300-250-20-V-AA | WVBP300-250-30-V-AA | 3 | 2-1/2 | 1-1/2 | 3-7/16 | 4 |
| WVBP300-300-20-V-AA | WVBP300-300-30-V-AA | 3 | 3 | 1-3/4 | 3-11/16 | 4-5/8 |
| WVBP350-100-20-V-AA | WVBP350-100-30-V-AA | 3-1/2 | 1 | 3/4 | 2-5/8 | 2-1/4 |
| WVBP350-150-20-V-AA | WVBP350-150-30-V-AA | 3-1/2 | 1-1/2 | 1 | 3-1/4 | 2-7/8 |
| WVBP350-200-20-V-AA | WVBP350-200-30-V-AA | 3-1/2 | 2 | 1-1/4 | 3-1/2 | 3-1/2 |
| WVBP350-250-20-V-AA | WVBP350-250-30-V-AA | 3-1/2 | 2-1/2 | 1-1/2 | 3-3/4 | 4 |
| WVBP350-300-20-V-AA | WVBP350-300-30-V-AA | 3-1/2 | 3 | 1-3/4 | 4 | 4-5/8 |
| WVBP350-350-20-V-AA | WVBP350-350-30-V-AA | 3-1/2 | 3-1/2 | 2 | 4-1/4 | 5-1/8 |
| WVBP400-150-20-V-AA | WVBP400-150-30-V-AA | 4 | 1-1/2 | 1 | 3-1/2 | 2-7/8 |
| WVBP400-200-20-V-AA | WVBP400-200-30-V-AA | 4 | 2 | 1-3/4 | 3-3/4 | 4-1/8 |
| WVBP400-250-20-V-AA | WVBP400-250-30-V-AA | 4 | 2-1/2 | 1-1/2 | 4 | 4 |
| WVBP400-300-20-V-AA | WVBP400-300-30-V-AA | 4 | 3 | 1-3/4 | 4-1/4 | 4-5/8 |
| WVBP400-350-20-V-AA | WVBP400-350-30-V-AA | 4 | 3-1/2 | 2 | 4-1/2 | 5-1/8 |
| WVBP400-400-20-V-AA | WVBP400-400-30-V-AA | 4 | 4 | 2-1/4 | 6-5/16 | 6-7/16 |
| WVBP500-150-20-V-AA | WVBP500-150-30-V-AA | 5 | 1-1/2 | 1 | 4 | 2-7/8 |
| WVBP500-200-20-V-AA | WVBP500-200-30-V-AA | 5 | 2 | 1-1/4 | 4-13/16 | 3-7/8 |
| WVBP500-250-20-V-AA | WVBP500-250-30-V-AA | 5 | 2-1/2 | 1-1/2 | 4-1/2 | 4 |
| WVBP500-300-20-V-AA | WVBP500-300-30-V-AA | 5 | 3 | 1-3/4 | 4-3/4 | 4-5/8 |
| WVBP500-350-20-V-AA | WVBP500-350-30-V-AA | 5 | 3-1/2 | 2 | 5 | 5-1/8 |
| WVBP500-400-20-V-AA | WVBP500-400-30-V-AA | 5 | 4 | 2-1/4 | 5-1/4 | 6-1/4 |
| WVBP500-500-20-V-AA | WVBP500-500-30-V-AA | 5 | 5 | 2-3/4 | 5-3/4 | 6-15/16 |
| WVBP600-200-20-V-AA | WVBP600-200-30-V-AA | 6 | 2 | 1-1/4 | 4-13/16 | 3-1/2 |
| WVBP600-250-20-V-AA | WVBP600-250-30-V-AA | 6 | 2-1/2 | 1-1/2 | 5-1/16 | 4 |
| WVBP600-300-20-V-AA | WVBP600-300-30-V-AA | 6 | 3 | 1-3/4 | 5-5/16 | 4-5/8 |
| WVBP600-350-20-V-AA | WVBP600-350-30-V-AA | 6 | 3-1/2 | 2 | 5-9/16 | 5-1/8 |
| WVBP600-400-20-V-AA | WVBP600-400-30-V-AA | 6 | 4 | 2-1/4 | 5-13/16 | 5-7/8 |
| WVBP600-500-20-V-AA | WVBP600-500-30-V-AA | 6 | 5 | 2-3/4 | 6-5/16 | 6-15/16 |
| WVBP600-600-20-V-AA | WVBP600-600-30-V-AA | 6 | 6 | 3-1/4 | 6-13/16 | 8 |

© 2011, AFL, all rights reserved. PP-3-00574, Revision 3, 3.04.2026
Specifications are subject to change without notice.

# DOSSERT®

## TYPE BPC-V-AA

### Bolted Tee, Pipe to Cable

A clamp type tee connector for joining a cable to a tubular bus main. Designed to be corona free for 345 kV and 500 kV service. Special bearing surfaces insure maximum contact efficiency.



### Material

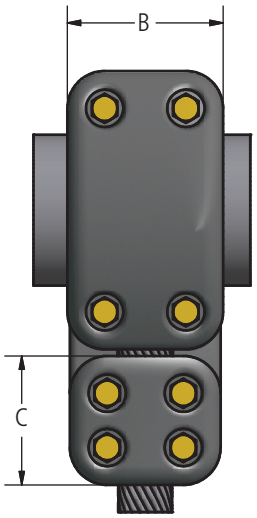
Aluminum Alloy

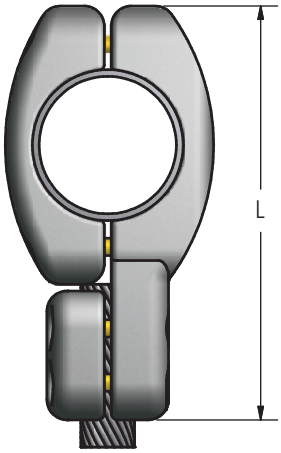
### Hardware

Yellow anodized aluminum nuts, bolts and lockwashers.

### Notes

- For stainless steel bols, lockwashers and Everdur nuts, add "-SSHBN" to catalog number.
  EX: BPC600-127-V-AA-SSHBN
- For grade five galvanized steel hardware, add "-GS5" to catalog number. EX: BPC600-127-V-AA-GS5




### Ordering Information

| CATALOG NUMBER | SPS | CABLE RANGE | | | DIMENSIONS IN INCHES | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|
| | | ALUMINUM | | ACSR | B | C | L | |
| | | MIN | MAX | | | | | |
| BPC250-79-V-AA | 2 1/2 | 750 MCM | 795 MCM | 636 (18/1;24/7;26/7) | 4 1/2 | 4 1/2 | 10 3/8 | 1/2 |
| BPC250-95-V-AA | 2 1/2 | 800 MCM | 954 MCM | 495 (47/7;24/7;26/7) | 4 1/2 | 4 1/2 | 10 3/8 | 1/2 |
| BPC250-127-V-AA | 2 1/2 | 1113 MCM | 1272 MCM | 1113 (45/7)(54/19) | 4 1/8 | 4 1/2 | 10 3/4 | 1/2 |
| BPC300-95-V-AA | 3 | 800 MCM | 954 MCM | 495 (47/7;24/7;26/7) | 4 3/4 | 4 1/2 | 12 | 5/8 |
| BPC300-160-V-AA | 3 | 1500 MCM | 1600 MCM | 1431 (45/7;54/19) 1351.5 (54/19) | 4 3/4 | 4 3/4 | 12 | 5/8 |
| BPC350-127-V-AA | 3 1/2 | 1113 MCM | 1272 MCM | 1113 (45/7)(54/19) | 4 3/4 | 4 1/2 | 13 | 1/2 |
| BPC350-160-V-AA | 3 1/2 | 1500 MCM | 1600 MCM | 1431 (45/7;54/19) 1351.5 (54/19) | 5 | 4 3/4 | 12 31/32 | 1/2 |
| BPC400-127-V-AA | 4 | 1113 MCM | 1272 MCM | 1113 (45/7)(54/19) | 6 | 4 1/2 | 13 1/8 | 5/8 |
| BPC400-180-V-AA | 4 | 1700 MCM | 1800 MCM | 1590 (45/7)(54/9) | 6 | 4 3/4 | 13 3/8 | 5/8 |
| BPC450-200-V-AA | 4.5 | 1900 MCM | 2000 MCM | 1780 (84/19) 1843.2 MCM | 5 | 4 3/4 | 13 3/4 | 5/8 |
| BPC500-180-V-AA | 5 | 1700 MCM | 1800 MCM | 1590 (45/7)(54/9) | 5 3/4 | 4 3/4 | 14 7/16 | 5/8 |
| BPC500-250-V-AA | 5 | 2400 MCM | 2500 MCM | 2156 (84/19) | 5 3/4 | 4 3/4 | 14 7/16 | 5/8 |
| BPC500-300-V-AA | 5 | 2750 MCM | 3000 MCM | 2515 (76/19) | 5 3/4 | 4 3/4 | 14 7/16 | 5/8 |
| BPC500-350-V-AA | 5 | 3250 MCM | 3500 MCM | 3015 (54/19) | 5 3/4 | 4 3/4 | 14 7/16 | 5/8 |
| BPC600-127-V-AA | 6 | 1113 MCM | 1272 MCM | 1113 (45/7)(54/19) | 5 | 4 1/2 | 14 7/8 | 5/8 |
| BPC600-160-V-AA | 6 | 1500 MCM | 1600 MCM | 1431 (45/7;54/19) 1351.5 (54/19) | 5 | 4 3/4 | 15 3/8 | 5/8 |
| BPC600-200-V-AA | 6 | 1900 MCM | 2000 MCM | 1780 (84/19) & 1843.2 MCM | 5 | 4 3/4 | 15 5/16 | 5/8 |
| BPC600-300-V-AA | 6 | 2750 MCM | 3000 MCM | 2515(76/19) | 5 | 4 3/4 | 15 5/16 | 5/8 |



© 2011, AFL, all rights reserved. PP-3-00253, Revision 5, 11.3.2022
Specifications are subject to change without notice.

# DOSSERT®

## TYPE CFT-N-V-AA

### Cable to Flat Tee Connector

Bolted tap is designed to be corona free for 345 kV and 500 kV operation when pad covers are used to shield terminal hardware.



### Material

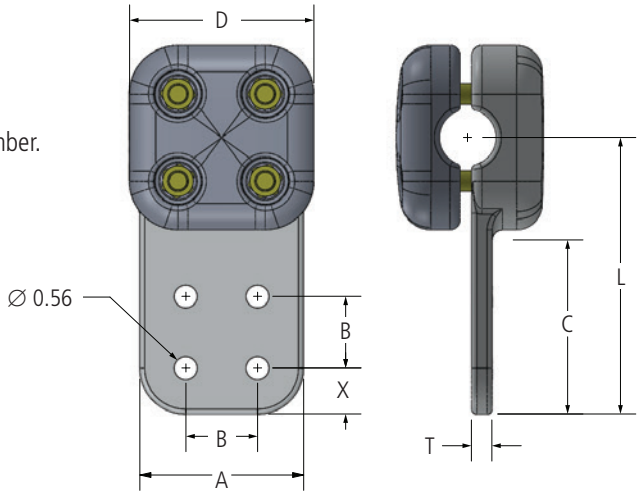
Aluminum Alloy

### Hardware

Aluminum nuts, bolts and lockwashers.

### Notes

- For Finished Surface on both sides of Pad, add "F" to catalog number.
  EX: CFT79-4N4F-V-AA
- For Grade Five Galvanized Steel Hardware, add "-GS5" to catalog number.
  EX: CFT79-4N4-V-AA-GS5
- For Hardware Shield, add "-CSBV" to catalog number.
  EX: CFT79-4N4-V-AA-CSBV




### Ordering Information

| CATALOG NO. | CABLE RANGE | | | | DIMENSIONS IN INCHES | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MIN | MAX | ACSR | DIAMETER | A | B | C | D | L | T | X |
| CFT79-4N4-V-AA | 750 MCM | 795 MCM | 636 (18/1;24/7;26/7) | 0.940 - 1.026 | 4.00 | 1.75 | 4.00 | 4.50 | 6.38 | 0.50 | 1.13 |
| CFT95-4N4-V-AA | 800 MCM | 954 MCM | 795 (47/7;24/7;26/7) | 1.032 - 1.140 | 4.00 | 1.75 | 4.00 | 4.50 | 6.50 | 0.50 | 1.13 |
| CFT103-4N-V-AA | 1000 MCM | 1033.5 MCM | 954 (45/7) (54/7) | 1.151 - 1.196 | 3.00 | 1.75 | 3.00 | 4.50 | 5.63 | 0.50 | 0.63 |
| CFT103-4N4-V-AA | 1000 MCM | 1033.5 MCM | 954 (45/7) (54/7) | 1.151 - 1.196 | 4.00 | 1.75 | 4.00 | 4.50 | 6.63 | 0.50 | 1.13 |
| CFT127-4N4-V-AA | 1113 MCM | 1272 MCM | 1033.5 (54/7), 1113 (45/7) (54/19) | 1.216 - 1.300 | 4.00 | 1.75 | 4.00 | 4.50 | 6.75 | 0.50 | 1.13 |
| CFT140-4N4-V-AA | 1300 MCM | 1400 MCM | 1272 (45/7) (54/19) | 1.315 - 1.382 | 4.00 | 1.75 | 4.00 | 4.50 | 6.75 | 0.50 | 1.13 |
| CFT160-4N4-V-AA | 1500 MCM | 1600 MCM | 1431 (45/7) (54/19) | 1.413 - 1.464 | 4.00 | 1.75 | 4.00 | 4.75 | 6.75 | 0.50 | 1.13 |
| CFT180-4N4-V-AA | 1700 MCM | 1800 MCM | 1590 (45/7) (54/19) | 1.504 - 1.545 | 4.00 | 1.75 | 4.00 | 4.75 | 6.75 | 0.69 | 1.13 |
| CFT180-4S4-V-AA | 1700 MCM | 1800 MCM | 1590 (45/7) (54/19) | 1.504 - 1.545 | 4.00 | 2.00 | 4.00 | 4.75 | 6.75 | 0.69 | 1.00 |
| CFT200-4N-V-AA | 1900 MCM | 2000 MCM | 1780 (84/19) | 1.631 | 3.00 | 1.75 | 3.00 | 4.75 | 5.88 | 0.75 | 0.63 |
| CFT200-4N4-V-AA | 1900 MCM | 2000 MCM | 1780 (84/19) | 1.631 | 4.00 | 1.75 | 4.00 | 4.75 | 6.88 | 0.75 | 1.13 |
| CFT216A-4N4-V-AA | — | — | 2156 | 1.762 | 4.00 | 1.75 | 4.00 | 4.75 | 5.75 | 0.75 | 1.13 |
| CFT250-4N4-V-AA | 2400 MCM | 2500 MCM | 2156 (84/19) | 1.762 - 1.823 | 4.00 | 1.75 | 4.00 | 4.75 | 7.00 | 0.75 | 1.13 |
| CFT300-4N4-V-AA | 2750 MCM | 3000 MCM | 2515 (76/19) | 1.912 - 1.880 | 4.00 | 1.75 | 4.00 | 4.75 | 7.00 | 1.00 | 1.13 |
| CFT350-4N4-V-AA | — | 3500 MCM | — | 2.158 | 4.00 | 1.75 | 4.00 | 4.75 | 7.25 | 1.00 | 1.13 |



© 2011, AFL, all rights reserved. PP-3-00282, Revision 3, 12.18.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE VBP-30-V-AA

### 30 Degree Bolted Tee Rated for 500 kV



### Material

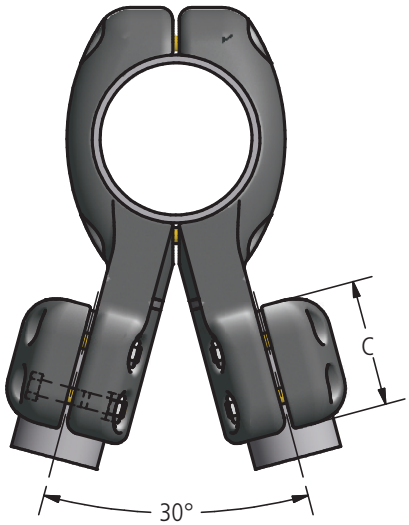
Aluminum

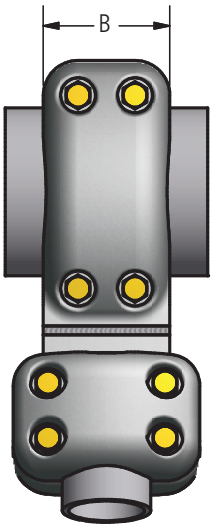
### Hardware

Aluminum nuts, bolts and lockwashers.

### Notes

- For Stainless Steel Hardware add "-SS" to catalog number. EX: VBP250-125-V-AA-SS
- For Stainless Steel bolts, lockwashers and Everdur nuts add "-SSHBN" to catalog number. EX: VBP250-125-V-AA-SSHBN
- For Grade Five Galvanized Steel Hardware add "-GS5" to catalog number. EX: VBP250-125-V-AA-GS5




### Ordering Information

| CATALOG NUMBER | SPS | | DIMENSIONS IN INCHES | | BOLT SIZE |
|---|---|---|---|---|---|
| | RUN | TAP | B | C | |
| VBP250-125-30-V-AA | 2 1/2 | 1 1/4 | 4 1/8 | 4 1/8 | 1/2 |
| VBP250-250-30-V-AA | 2 1/2 | 2 1/2 | 4 1/8 | 4 1/8 | 1/2 |
| VBP400-200-30-V-AA | 4 | 2 | 6 | 5 | 5/8 |
| VBP400-250-30-V-AA | 4 | 2 1/2 | 6 | 4 1/8 | 5/8 |
| VBP400-300-30-V-AA | 4 | 3 | 6 | 6 | 5/8 |
| VBP400-400-30-V-AA | 4 | 4 | 6 | 6 | 5/8 |
| VBP500-300-30-V-AA | 5 | 3 | 5 3/4 | 5 | 5/8 |
| VBP500-400-30-V-AA | 5 | 4 | 4 | 6 | 5/8 |
| VBP600-300-30-V-AA | 6 | 3 | 5 | 6 | 5/8 |
| VBP600-400-30-V-AA | 6 | 4 | 5 | 6 | 5/8 |



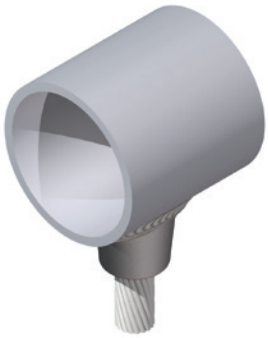
© 2011, AFL, all rights reserved. PP-3-00519, Revision 2, 1.10.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE 1000-EHV

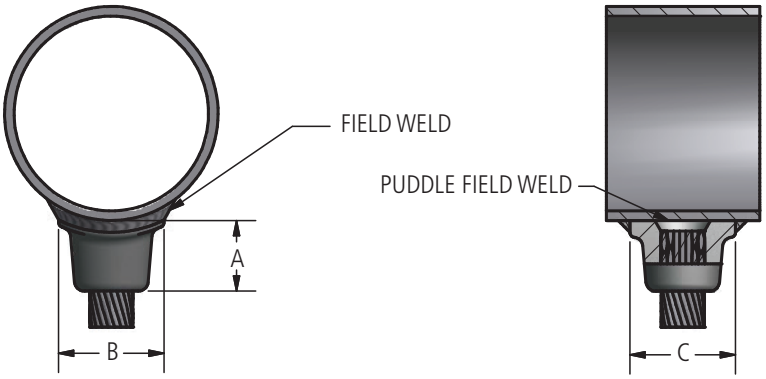
### Welded Tee Pipe to Cable

Tee adapter is designed to be corona free for 345 kV and 500 kV service. Connector is saddle type which allows clamping to bus run during welding. Cable is "puddle" welded to connector; connector is then welded to bus tube. Not recommended for use on ACSR.



### Material

Aluminum Alloy




### Ordering Information

| TABLE 1 | | | | |
|---|---|---|---|---|
| CATALOG SERIES | DIMENSIONS IN INCHES | | | NOMINAL WEIGHT LBS |
| | A | B | L | |
| 1006 | 1.50 | 1.62 | 2.81 | 0.28 |
| 1008 | 1.75 | 1.88 | 3.12 | 0.38 |
| 1009 | 2.00 | 2.25 | 3.50 | 0.62 |
| 1010 | 2.00 | 2.25 | 3.50 | 0.62 |
| 1012 | 2.75 | 2.50 | 3.88 | 0.75 |
| 1013 | 2.75 | 2.88 | 4.25 | 1.1 |
| 1014 | 2.75 | 2.88 | 4.25 | 1.1 |



© 2011, AFL, all rights reserved. PP-3-00149, Revision 1, 3.17.2021
Specifications are subject to change without notice.

# DOSSERT®

## TYPE 1000-EHV

### Welded Tee Pipe to Cable

### Ordering Information

| TABLE 2 | | | | | | |
|---|---|---|---|---|---|---|
| STANDARD CONDUCTOR DIAMETER RANGE | AAC CONDUCTOR RANGE | CATALOG NUMBER | | | | |
| | | RUN CONDUCTOR (SPS & EHPS) | | | | |
| IN. | MIN | 3 | 3 1/2 | 4 | 5 | 6 |
| 1.048 - 1.110 | 900 KCMIL | 1006.112 EHV | 1006.112 EHV | 1006.112 EHV | 1006.112 EHV | 1006.112 EHV |
| 1.111 - 1.173 | 954 KCMIL | 1008.119 EHV | 1008.119 EHV | 1008.119 EHV | 1008.119 EHV | 1008.119 EHV |
| 1.174 - 1.235 | 1113 KCMIL - 1192.5 KCMIL | 1008.125 EHV | 1008.125 EHV | 1008.125 EHV | 1008.125 EHV | 1008.125 EHV |
| 1.236 - 1.297 | 1192.5 KCMIL | 1008.131 EHV | 1008.131 EHV | 1008.131 EHV | 1008.131 EHV | 1008.131 EHV |
| 1.298 - 1.360 | 1272 KCMIL - 1351.5 KCMIL | 1009.138 EHV | 1010.138 EHV | 1010.138 EHV | 1010.138 EHV | 1010.138 EHV |
| 1.361 - 1.423 | 1431 KCMIL - 1510.5 KCMIL | 1009.144 EHV | 1010.144 EHV | 1010.144 EHV | 1010.144 EHV | 1010.144 EHV |
| 1.424 - 1.485 | 1590 KCMIL | 1009.150 EHV | 1010.150 EHV | 1010.150 EHV | 1010.150 EHV | 1010.150 EHV |
| 1.486 - 1.542 | 1750 KCMIL | 1009.156 EHV | 1010.156 EHV | 1010.156 EHV | 1010.156 EHV | 1010.156 EHV |
| 1.543 - 1.605 | - | 1012.162 EHV | 1012.162 EHV | 1012.162 EHV | 1012.162 EHV | 1012.162 EHV |
| 1.606 - 1.668 | 2000 KCMIL | 1012.169 EHV | 1012.169 EHV | 1012.169 EHV | 1012.169 EHV | 1012.169 EHV |
| 1.669 - 1.730 | 2250 KCMIL | 1012.175 EHV | 1012.175 EHV | 1012.175 EHV | 1012.175 EHV | 1012.175 EHV |
| 1.731 - 1.792 | - | 1012.181 EHV | 1012.181 EHV | 1012.181 EHV | 1012.181 EHV | 1012.181 EHV |
| 1.793 - 1.855 | 2500 KCMIL | 1012.188 EHV | 1012.188 EHV | 1012.188 EHV | 1012.188 EHV | 1012.188 EHV |
| 1.856 - 1.918 | 2750 KCMIL | 1013.194 EHV | 1014.194 EHV | 1014.194 EHV | 1014.194 EHV | 1014.194 EHV |
| 1.919 - 1.980 | - | 1013.200 EHV | 1014.200 EHV | 1014.200 EHV | 1014.200 EHV | 1014.200 EHV |
| 1.981 - 2.042 | 3000 KCMIL | 1013.206 EHV | 1014.206 EHV | 1014.206 EHV | 1014.206 EHV | 1014.206 EHV |
| 2.043 - 2.105 | - | 1013.212 EHV | 1014.212 EHV | 1014.212 EHV | 1014.212 EHV | 1014.212 EHV |



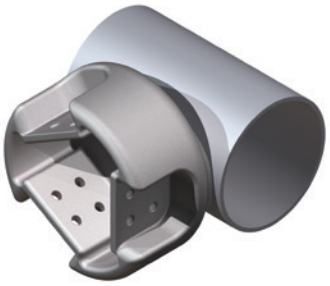
© 2011, AFL, all rights reserved. PP-3-00149, Revision 1, 3.17.2021
Specifications are subject to change without notice.

# DOSSERT®

## TYPE WT3C-8-V-AA

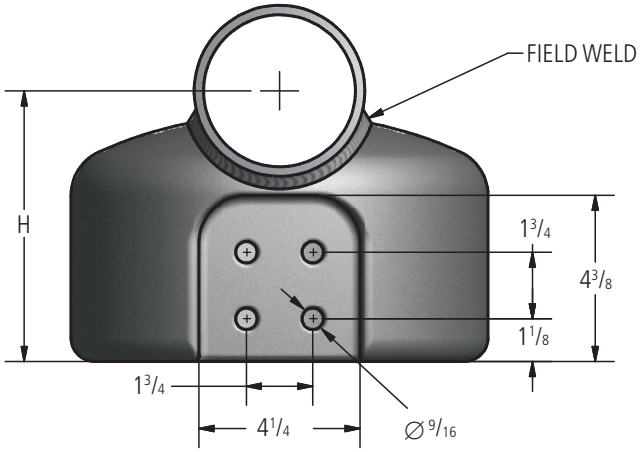
### Welded Tee Pipe to Three NEMA Pad

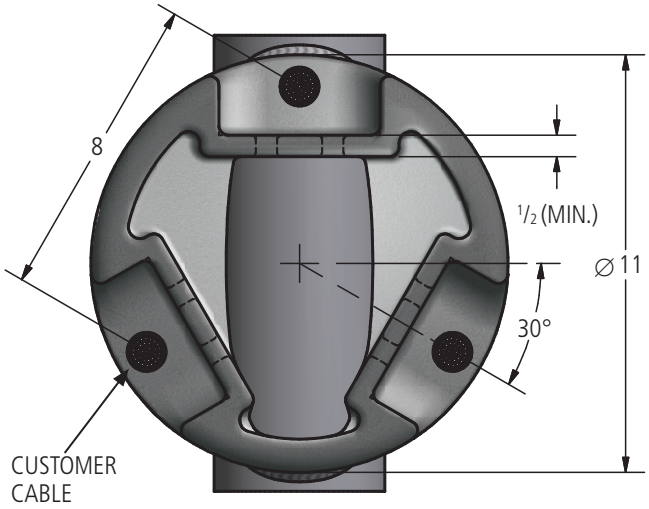
Welded tee pipe with three NEMA pads is designed to be corona free for 345 kV and 500 kV service.



### Material

Aluminum Alloy




### Ordering Information

| CATALOG NUMBER | SPS | H IN INCHES |
|---|---|---|
| WT3C400-8-V-AA | 4 | 7 1/8 |
| WT3C500-8-V-AA | 5 | 7 21/32 |
| WT3C600-8-V-AA | 6 | 8 11/16 |
| WT3C800-8-V-AA | 8 | 9 15/16 |
| WT3C800R-8-V-AA | 8 O.D. | 9 5/8 |





© 2011, AFL, all rights reserved. PP-3-00547, Revision 2, 4.28.14
Specifications are subject to change without notice.

# DOSSERT®
## TYPE 3500-EHV



### Tee Adapter

Bolted-compression tee adapters are designed to have better corona characteristics than the conductors on which it is installed. Designed to be corona free for 345 kV and 500 kV service. Contact surfaces are protected with oxide inhibitor.

### Material

Aluminum Alloy

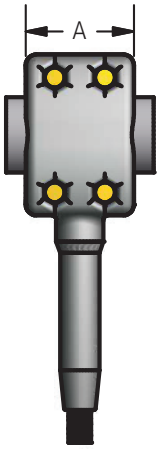
### Mounting Hardware

Galvanized steel bolts and lockwashers.

### Hardware

Yellow anodized aluminum bolts, nuts, and lockwashers.




### Notes

Connector is ordered by combining partial catalog number for pipe run (Table 1) with partial catalog number for stranded branch (Table 2).

Example: 6" SPS run to 1590 KCM (1.454") tap. Order by Cat. No. "3513.3-38.156EHV"

### Ordering Information

TABLE 1

| PARTIAL CATALOG NUMBER | RUN CONDUCTOR SIZE SPS & EHPS | BRANCH CONDUCTOR DIAMETER RANGE ACSR OR STR. ALUM. | DIMENSIONS IN INCHES | | NO. OF BOLTS | PARTIAL WEIGHT RUN |
|---|---|---|---|---|---|---|
| | | | A | B | | |
| 3508.1 | 3 | 1.026 - 1.196 | 5.12 | 4.56 | 4 | 7.2 |
| 3508.2 | 3 | 1.212 - 1.417 | 5.12 | 4.56 | 4 | 7.4 |
| 3508.3 | 3 | 1.424 - 1.545 | 5.12 | 4.56 | 4 | 7.5 |
| 3509.1 | 3 1/2 | 1.026 - 1.196 | 5.12 | 5.12 | 4 | 11.1 |
| 3509.2 | 3 1/2 | 1.212 - 1.417 | 5.12 | 5.12 | 4 | 11.3 |
| 3509.3 | 3 1/2 | 1.424 - 1.545 | 5.12 | 5.12 | 4 | 11.4 |
| 3510.1 | 4 | 1.026 - 1.196 | 5.12 | 5.62 | 4 | 15.0 |
| 3510.2 | 4 | 1.212 - 1.417 | 5.12 | 5.62 | 4 | 15.2 |
| 3510.3 | 4 | 1.424 - 1.545 | 5.12 | 5.62 | 4 | 15.3 |
| 3512.2 | 5 | 1.212 - 1.417 | 11.80 | 6.62 | 6 | 18.8 |
| 3512.3 | 5 | 1.424 - 1.545 | 11.80 | 6.62 | 6 | 19.0 |
| 3512.4 | 5 | 1.602 - 1.823 | 11.80 | 6.62 | 6 | 19.1 |
| 3513.2 | 6 | 1.212 - 1.417 | 11.80 | 7.69 | 6 | 20.0 |
| 3513.3 | 6 | 1.424 - 1.545 | 11.80 | 7.69 | 6 | 20.2 |
| 3513.4 | 6 | 1.602 - 1.823 | 11.80 | 7.69 | 6 | 20.3 |





© 2011, AFL, all rights reserved. PP-3-00192, Revision 0, 3.7.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE 3500-EHV

### Tee Adapter

### Ordering Information

| TABLE 2 | | | | | | |
|---|---|---|---|---|---|---|
| PARTIAL CATALOG NUMBER | CONDUCTOR | | | | DIE SIZE | PARTIAL WEIGHT RUN |
| | KCMIL | STRAND | | DIAMETER | | |
| | | AL | ST | | | LBS |
| -30.109 EHV | 795.0 | 37 & 61 | - | 1.026 | 30 AH | 1.7 |
| -30.116 EHV | 795.0 | 26 | 7 | 1.108 | 30 AH | 1.6 |
| -30.122 EHV | 954.0 | 37 & 61 | - | 1.124 | 30 AH | 1.6 |
| -30.122 EHV | 954.0 | 45 | 7 | 1.165 | 30 AH | 1.5 |
| -30.125 EHV | 954.0 | 54 | 7 | 1.196 | 30 AH | 1.5 |
| -34.128 EHV | 1033.5 | 45 | 7 | 1.212 | 34 AH | 2.3 |
| -34.128 EHV | 1113.0 | 61 | - | 1.216 | 34 AH | 2.3 |
| -34.128 EHV | 1195.5 | 45 | 7 | 1.302 | 34 AH | 2.1 |
| -36.144 EHV | 1272.0 | 45 | 7 | 1.345 | 36 AH | 2.6 |
| -36.147 EHV | 1351.5 | 45 | 7 | 1.385 | 36 AH | 2.4 |
| -38.156 EHV | 1590.0 | 61 & 91 | - | 1.454 | 38 AH | 2.9 |
| -40.162 EHV | 1590.0 | 45 | 7 | 1.504 | 40 AH | 3.4 |
| -42.178 EHV | 1780.0 | 84 | 19 | 1.602 | 42 AH | 3.9 |
| -44.184 EHV | 2156.0 | 84 | 19 | 1.7625 | 44 AH | 3.6 |
| -44.188 EHV | 2500.0 | 91 | - | 1.823 | 44 AH | 3.4 |





© 2011, AFL, all rights reserved. PP-3-00192, Revision 0, 3.7.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE BC-V-AA



### Tee Connector

Tee connector is designed to be corona free for 500 kV service.

### Material

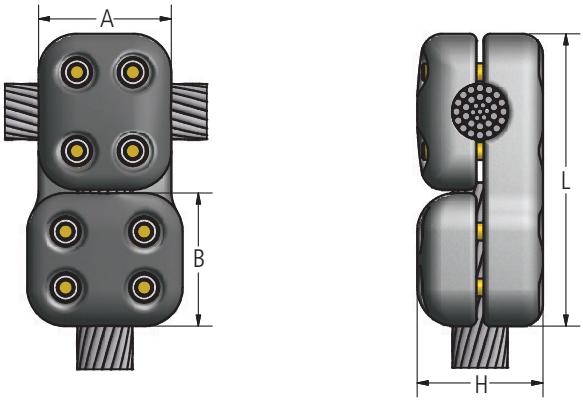
Aluminum Alloy

### Hardware

Yellow anodized aluminum nuts, bolts, and lockwashers.

### Notes

- For Stainless Steel bolts, lockwashers and Everdur nuts, add "-SSHBN" to catalog number.
  EX: BC103-127-AA-SSHBN
- For Grade Five Galvanized Steel hardware, add "-GS5" to catalog number.
  EX: BC140-140-V-AA-GS5




### Ordering Information

| CATALOG NUMBER | CABLE RANGE | | | | | | DIMENSIONS IN INCHES | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | RUN | | | TAP | | | | | | |
| | ALUMINUM | | ACSR | ALUMINUM | | ACSR | A | B | H | L |
| | MIN | MAX | | MIN | MAX | | | | | |
| BC79-79-V-AA | 750 MCM | 795 MCM | 636 (18/1;24/7;26/7) | 750 MCM | 795 MCM | 636 (18/1;24/7;26/7) | 4.50 | 4.50 | 3.38 | 8.75 |
| BC95-95-V-AA | 800 MCM | 954 MCM | 795 (47/7;24/7;26/7) | 800 MCM | 954 MCM | 795 (47/7;24/7;26/7) | 4.00 | 4.00 | 3.69 | 8.00 |
| BC95A-95A-V-AA | - | 954 MCM | 954 (45/7;54/7) | – | 954 MCM | 954 (45/7;54/7) | 4.50 | 4.50 | 3.69 | 9.13 |
| BC103-103-V-AA | 1000 MCM | 1033.5 MCM | 954 (45/7;54/7) | 1000 MCM | 1033.5 MCM | 954 (45/7;54/7) | 4.00 | 4.00 | 3.88 | 8.13 |
| BC103-127-V-AA | 1000 MCM | 1033.5 MCM | 954 (45/7;54/7) | 1113 MCM | 1272 MCM | 1113 (45/7;54/7) | 4.50 | 4.50 | 3.63 | 9.00 |
| BC103-250-V-AA | 1000 MCM | 1033.5 MCM | 954 (45/7;54/7) | - | 2500 MCM | 2156 (84/19) | 4.50 | 4.50 | 4.00 | 9.00 |
| BC127-79-V-AA | 1113 MCM | 1272 MCM | 1113 (45/7;54/7) | 750 MCM | 795 MCM | 636 (18/1;24/7;26/7) | 4.50 | 4.50 | 3.63 | 9.06 |
| BC127-95-V-AA | 1113 MCM | 1272 MCM | 1113 (45/7;54/7) | 800 MCM | 954 MCM | 795 (47/7;24/7;26/7) | 4.00 | 4.50 | 3.63 | 9.06 |
| BC127-127-V-AA | 1113 MCM | 1272 MCM | 1113 (45/7;54/7) | 1113 MCM | 1272 MCM | 1113 (45/7;54/7) | 4.50 | 4.50 | 3.63 | 9.13 |
| BC140-140-V-AA | 1300 MCM | 1400 MCM | 1272 (45/7;54/19)<br>1351.5 (45/7) | 1300 MCM | 1400 MCM | 1272 (45/7;54/19)<br>1351.5 (45/7) | 4.50 | 4.50 | 3.50 | 9.13 |



© 2011, AFL, all rights reserved. PP-3-00244, Revision 5, 1.10.2023
Specifications are subject to change without notice.

# 345/500 kV Tee Connectors

## DOSSERT®

## TYPE BC-V-AA

### Tee Connector

### Ordering Information

| CATALOG NUMBER | CABLE RANGE | | | | | | DIMENSIONS IN INCHES | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | RUN | | | TAP | | | | | | |
| | ALUMINUM | | ACSR | ALUMINUM | | ACSR | A | B | H | L |
| | MIN | MAX | | MIN | MAX | | | | | |
| BC140-200-V-AA | 1300 MCM | 1400 MCM | 1272 (45/7;54/19) 1351.5 (45/7) | 1900 MCM | 2000 MCM | 1780 (84/19) | 4.50 | 4.50 | 3.63 | 9.13 |
| BC160-160-V-AA | 1500 MCM | 1600 MCM | 1431 (45/7;54/19) 1351.5 (54/19) | 1500 MCM | 1600 MCM | 1431 (45/7;54/19) 1351.5 (54/19) | 4.75 | 4.75 | 4.03 | 9.75 |
| BC180-180-V-AA | 1700 MCM | 1800 MCM | 1590 (45/7;54/19) | 1700 MCM | 1800 MCM | 1590 (45/7;54/19) | 4.75 | 4.75 | 4.00 | 9.88 |
| BC200-200-V-AA | 1900 MCM | 2000 MCM | 1780 (84/19) | 1900 MCM | 2000 MCM | 1780 (84/19) | 5.13 | 4.75 | 4.00 | 10.00 |
| BC205-95-V-AA | 2000 MCM | 2049 MCM | 1780 (84/19) 2034 (72/7) | 800 MCM | 954 MCM | 795 (47/7;24/7;26/7) | 4.75 | 4.50 | 4.00 | 8.00 |
| BC205-160-V-AA | 2000 MCM | 2049 MCM | 1780 (84/19) 2034 (72/7) | 1500 MCM | 1600 MCM | 1431 (45/7;54/19) 1351.5 (54/19) | 4.75 | 4.75 | 4.00 | 9.63 |
| BC205-205-V-AA | 2000 MCM | 2049 MCM | 1780 (84/19) 2034 (72/7) | 2000 MCM | 2049 MCM | 1780 (84/19) 2034 (72/7) | 5.00 | 5.00 | 4.00 | 10.25 |
| BC250-103-V-AA | – | 2500 MCM | 2156 (84/19) | 1000 MCM | 1033.5 MCM | 954 (45/7;54/7) | 4.50 | 4.50 | 3.81 | 9.63 |
| BC250-160-V-AA | – | 2500 MCM | 2156 (84/19) | 1500 MCM | 1600 MCM | 1431 (45/7;54/19) 1351.5 (54/19) | 4.50 | 4.50 | 3.81 | 9.63 |
| BC250-250-V-AA | – | 2500 MCM | 2156 (84/19) | – | 2500 MCM | 2156 (84/19) | 4.50 | 4.50 | 3.81 | 9.63 |
| BC250-350-V-AA | – | 2500 MCM | 2156 (84/19) | – | 3500 MCM | – | 4.50 | 4.50 | 4.25 | 9.63 |
| BC300-160-V-AA | 2750 MCM | 3000 MCM | 2515 (76/19) | 1500 MCM | 1600 MCM | 1431 (45/7;54/19) 1351.5 (54/19) | 4.75 | 4.75 | 4.50 | 10.44 |
| BC300-300-V-AA | 2750 MCM | 3000 MCM | 2515 (76/19) | 2750 MCM | 3000 MCM | 2515 (76/19) | 4.75 | 4.75 | 4.75 | 9.88 |
| BC350-127-V-AA | – | 3500 MCM | - | 1113 MCM | 1272 MCM | 1113 (45/7; 54/7) | 5.50 | 4.50 | 4.50 | 10.38 |
| BC350-200-V-AA | – | 3500 MCM | – | 1900 MCM | 2000 MCM | 1780 (84/19) | 5.50 | 4.75 | 4.50 | 10.63 |
| BC350-350-V-AA | – | 3500 MCM | – | – | 3500 MCM | – | 5.50 | 5.50 | 4.50 | 11.50 |



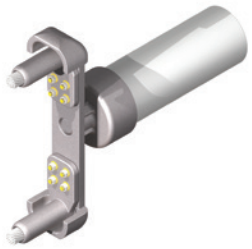
© 2011, AFL, all rights reserved. PP-3-00244, Revision 5, 1.10.2023
Specifications are subject to change without notice.

# DOSSERT®

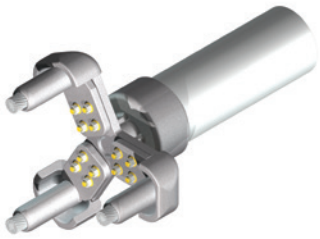
## TYPE 34900-EHV

### Welded Straight Adapter

Bi-conductor and tri-conductor adapter is designed to be corona free for 345 kV and 500 kV service. Conductor adapters are furnished as complete assembly consisting of the conductor adapter, 90° EHV compression terminals and necessary aluminum hardware. Weights shown do not include compression terminals.



**34928-EHV**



**34908-EHV**

### Material

Aluminum Alloy

### Mounting Hardware

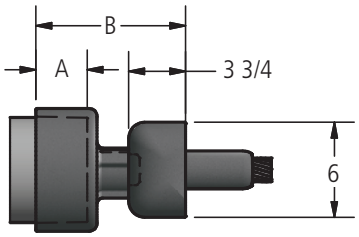
Galvanized steel bolts and lockwashers.

### Hardware

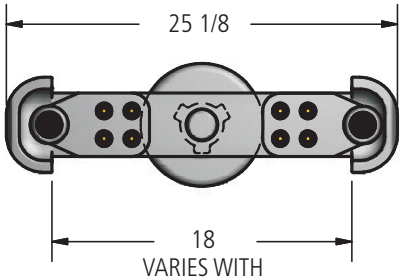
Yellow anodized aluminum bolts, nuts, and lockwashers.

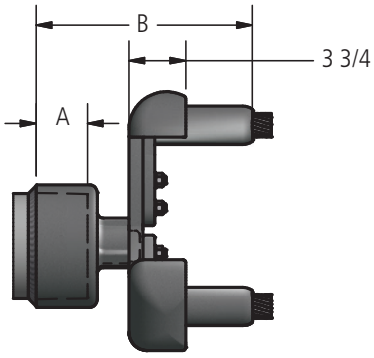
### Notes

For conductor adapters without terminals, do not include Die Size or Bore Code in part number. Example: for a tri-conductor adapter to 6" SPS, order 34913EHV.

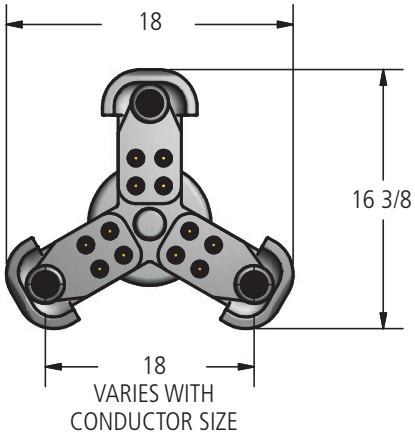



**BI-CONDUCTOR**




**TRI-CONDUCTOR**






© 2011, AFL, all rights reserved. PP-3-00187, Revision 1, 3.16.2021
Specifications are subject to change without notice.

# DOSSERT®

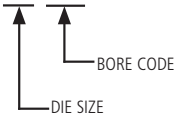
## TYPE 34900-EHV

### Welded Straight Adapter

### Ordering Information

| SPS & EHPS | CATALOG NUMBER | | DIMENSIONS IN INCHES | | NOMINAL WEIGHT IN LBS | |
|---|---|---|---|---|---|---|
| | BI-CONDUCTOR | TRI-CONDUCTOR | A | B | BI-CONDUCTOR | TRI-CONDUCTOR |
| 3 | 34928EHV.XX.YYY | 34908EHV.XX.YYY | 1.75 | 7.97 | 13.6 | 15.3 |
| 3 1/2 | 34929EHV.XX.YYY | 34909EHV.XX.YYY | 2.00 | 8.22 | 14.1 | 15.8 |
| 4 | 34930EHV.XX.YYY | 34910EHV.XX.YYY | 2.25 | 8.47 | 14.7 | 16.4 |
| 5 | 34932EHV.XX.YYY | 34912EHV.XX.YYY | 2.75 | 8.97 | 16.0 | 17.7 |
| 6 | 34933EHV.XX.YYY | 34913EHV.XX.YYY | 3.25 | 9.47 | 17.6 | 19.3 |

**34933 EHV.XX.YYY**




| CODE | CONDUCTOR | | | | DIE SIZE ALUMINUM HEX DIE |
|---|---|---|---|---|---|
| | ACSR OR AAC | SIZE KCMIL | STRANDING AL/ST | DIAMETER IN INCHES | |
| 30.109 | ACSR | 715.5 | 24/7 | 1.036 | 30AH |
| | ACSR | 715.5 | 26/7 | 1.051 | |
| | ACSR | 795 | 36/1 | 1.040 | |
| | AAC | 795 | 37 | 1.026 | |
| | AAC | 795 | 61 | 1.028 | |
| | AAC | 800 | 37 | 1.031 | |
| | AAC | 800 | 61 | 1.031 | |
| 30.116 | ACSR | 715.5 | 30/19 | 1.081 | 30AH |
| | ACSR | 795 | 45/7 | 1.063 | |
| | ACSR | 795 | 54/7 | 1.093 | |
| | ACSR | 795 | 26/7 | 1.108 | |
| | ACSR | 795 | 24/7 | 1.092 | |
| | AAC | 900 | 61 | 1.094 | |
| 30.122 | ACSR | 795 | 30/19 | 1.140 | 30AH |
| | ACSR | 900 | 45/7 | 1.131 | |
| | ACSR | 900 | 54/7 | 1.162 | |
| | ACSR | 954 | 36/1 | 1.140 | |
| | ACSR | 954 | 45/7 | 1.165 | |
| | AAC | 954 | 37 | 1.124 | |
| | AAC | 954 | 61 | 1.126 | |
| | AAC | 1000 | 61 | 1.152 | |
| | AAC | 1033.5 | 37 | 1.170 | |
| | AAC | 1033.5 | 61 | 1.172 | |
| 30.125 | ACSR | 954 | 54/7 | 1.196 | 30AH |
| | ACSR | 1033.5 | 36/1 | 1.186 | |



© 2011, AFL, all rights reserved. PP-3-00187, Revision 1, 3.16.2021
Specifications are subject to change without notice.

# DOSSERT®

## TYPE 34900-EHV

### Welded Straight Adapter

| CODE | CONDUCTOR | | | | DIE SIZE ALUMINUM HEX DIE |
|---|---|---|---|---|---|
| | ACSR OR AAC | SIZE KCMIL | STRANDING AL/ST | DIAMETER IN INCHES | |
| 34.128 | ACSR | 1033.5 | 45/7 | 1.212 | 34AH |
| | AAC | 1113 | 61 | 1.216 | |
| 34.134 | ACSR | 1033.5 | 54/7 | 1.244 | 34AH |
| | ACSR | 1113 | 45/7 | 1.259 | |
| | AAC | 1192.5 | 61 | 1.258 | |
| | AAC | 1272 | 61 | 1.300 | |
| 34.138 | ACSR | 1192.5 | 45/7 | 1.302 | 34AH |
| | ACSR | 1113 | 54/19 | 1.293 | |
| 36.144 | ACSR | 1272 | 45/7 | 1.345 | 36AH |
| | ACSR | 1192.5 | 54/19 | 1.333 | |
| | AAC | 1351 | 61 | 1.340 | |
| | AAC | 1431 | 61 | 1.379 | |
| 36.147 | ACSR | 1272 | 54/19 | 1.382 | 36AH |
| | ACSR | 1351.5 | 45/7 | 1.386 | |
| | ACSR | 1500 | 91 | 1.412 | |
| | AAC | 1510.5 | 61 | 1.187 | |
| 38.150 | ACSR | 1351.5 | 54/19 | 1.424 | 38AH |
| | ACSR | 1431 | 45/7 | 1.427 | |
| 38.156 | ACSR | 1431 | 54/19 | 1.465 | 38AH |
| | ACSR | 1510.5 | 45/7 | 1.466 | |
| | AAC | 1590 | 61 | 1.250 | |
| | AAC | 1590 | 91 | 1.454 | |
| 40.162 | ACSR | 1510.5 | 54/19 | 1.506 | 40AH |
| | ACSR | 1590 | 45/7 | 1.504 | |
| | ACSR | 1590 | 54/19 | 1.545 | |
| | AAC | 1750 | 61 | 1.525 | |
| 42.178 | ACSR | 1780 | 84/19 | 1.602 | 42AH |
| | ACSR | 2034 | 72/7 | 1.681 | |
| | AAC | 2000 | 91 | 1.630 | |
| 44.181 | ACSR | 2167 | 72/7 | 1.737 | 44AH |
| | AAC | 2250 | 91 | 1.729 | |
| | AAC | 2300 | 61 | 1.750 | |
| | AAC | 2300 | 91 | 1.750 | |
| 44.184 | ACSR | 2156 | 84/19 | 1.762 | 44AH |
| 44.188 | ACSR | 2312 | 76/19 | 1.802 | 44AH |
| | AAC | 2500 | 91 | 1.823 | |
| 48.197 | ACSR | 2515 | 76/19 | 1.880 | 48AH |
| | AAC | 2750 | 91 | 1.912 | |



© 2011, AFL, all rights reserved. PP-3-00187, Revision 1, 3.16.2021
Specifications are subject to change without notice.

# DOSSERT®

## TYPE 34992-EHV, 34993-EHV

### Welded Tee Adapter

Bi-conductor tee adapter is designed to be corona free for 345 kV and 500 kV service. Bi-conductor tee adapter is furnished as complete assembly consisting of bi-conductor adapter, two 90° EHV compression terminals and necessary aluminum hardware. Complete assembly is ordered by specifying catalog number and size of stranded conductor.



### Material

Aluminum Alloy

### Mounting Hardware

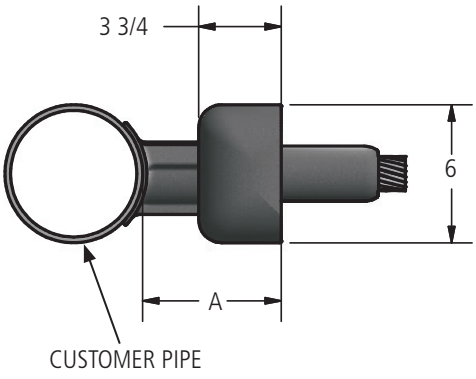
Galvanized steel bolts and lockwashers.

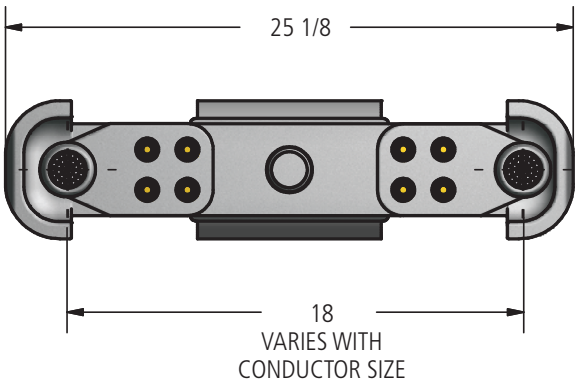
### Hardware

Yellow anodized aluminum bolts, nuts, and lockwashers.

### Notes

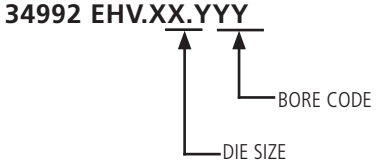
For conductor adapters without terminals, do not include Die Size or Bore Code in part number. Example: for a Bi-conductor adapter to 6" SPS, order 34993EHV.




### Ordering Information

| CONDUCTOR SIZE SPS & EHPS | CATALOG NUMBER | DIMENSIONS IN INCHES | NOMINAL WEIGHT |
|---|---|---|---|
| | | A | LBS |
| 3 THRU 4 | 34992EHV.XX.YYY | 6.16 | 11.9 |
| 5 & 6 | 34993EHV.XX.YYY | 6.36 | 13.6 |






© 2011, AFL, all rights reserved. PP-3-00188, Revision 3, 3.16.2021
Specifications are subject to change without notice.

# DOSSERT®

## TYPE 34992-EHV, 34993-EHV

### Welded Tee Adapter

| CODE | CONDUCTOR | | | | DIE SIZE ALUMINUM HEX DIE |
|---|---|---|---|---|---|
| | ACSR OR AAC | SIZE KCMIL | STRANDING AL/ST | DIAMETER IN INCHES | |
| 30.109 | ACSR | 715.5 | 24/7 | 1.036 | 30AH |
| | ACSR | 715.5 | 26/7 | 1.051 | |
| | ACSR | 795 | 36/1 | 1.040 | |
| | AAC | 795 | 37 | 1.026 | |
| | AAC | 795 | 61 | 1.028 | |
| | AAC | 800 | 37 | 1.031 | |
| | AAC | 800 | 61 | 1.031 | |
| 30.116 | ACSR | 715.5 | 30/19 | 1.081 | 30AH |
| | ACSR | 795 | 45/7 | 1.063 | |
| | ACSR | 795 | 54/7 | 1.093 | |
| | ACSR | 795 | 26/7 | 1.108 | |
| | ACSR | 795 | 24/7 | 1.092 | |
| | AAC | 900 | 61 | 1.094 | |
| 30.122 | ACSR | 795 | 30/19 | 1.140 | 30AH |
| | ACSR | 900 | 45/7 | 1.131 | |
| | ACSR | 900 | 54/7 | 1.162 | |
| | ACSR | 954 | 36/1 | 1.140 | |
| | ACSR | 954 | 45/7 | 1.165 | |
| | AAC | 954 | 37 | 1.124 | |
| | AAC | 954 | 61 | 1.126 | |
| | AAC | 1000 | 61 | 1.152 | |
| | AAC | 1033.5 | 37 | 1.170 | |
| | AAC | 1033.5 | 61 | 1.172 | |
| 30.125 | ACSR | 954 | 54/7 | 1.196 | 30AH |
| | ACSR | 1033.5 | 36/1 | 1.186 | |
| 34.128 | ACSR | 1033.5 | 45/7 | 1.212 | 34AH |
| | AAC | 1113 | 61 | 1.216 | |
| 34.134 | ACSR | 1033.5 | 54/7 | 1.244 | 34AH |
| | ACSR | 1113 | 45/7 | 1.259 | |
| | AAC | 1192.5 | 61 | 1.258 | |
| | AAC | 1272 | 61 | 1.300 | |
| 34.138 | ACSR | 1192.5 | 45/7 | 1.302 | 34AH |
| | ACSR | 1113 | 54/19 | 1.293 | |
| 36.144 | ACSR | 1272 | 45/7 | 1.345 | 36AH |
| | ACSR | 1192.5 | 54/19 | 1.333 | |
| | AAC | 1351 | 61 | 1.340 | |
| | AAC | 1431 | 61 | 1.379 | |



© 2011, AFL, all rights reserved. PP-3-00188, Revision 3, 3.16.2021
Specifications are subject to change without notice.

# DOSSERT®

## TYPE 34992-EHV, 34993-EHV

### Welded Tee Adapter

| CODE | CONDUCTOR | | | | DIE SIZE ALUMINUM HEX DIE |
|---|---|---|---|---|---|
| | ACSR OR AAC | SIZE KCMIL | STRANDING AL/ST | DIAMETER IN INCHES | |
| 36.147 | ACSR | 1272 | 54/19 | 1.382 | 36AH |
| | ACSR | 1351.5 | 45/7 | 1.386 | |
| | ACSR | 1500 | 91 | 1.412 | |
| | AAC | 1510.5 | 61 | 1.187 | |
| 38.150 | ACSR | 1351.5 | 54/19 | 1.424 | 38AH |
| | ACSR | 1431 | 45/7 | 1.427 | |
| 38.156 | ACSR | 1431 | 54/19 | 1.465 | 38AH |
| | ACSR | 1510.5 | 45/7 | 1.466 | |
| | AAC | 1590 | 61 | 1.250 | |
| | AAC | 1590 | 91 | 1.454 | |
| 40.162 | ACSR | 1510.5 | 54/19 | 1.506 | 40AH |
| | ACSR | 1590 | 45/7 | 1.504 | |
| | ACSR | 1590 | 54/19 | 1.545 | |
| | AAC | 1750 | 61 | 1.525 | |
| 42.178 | ACSR | 1780 | 84/19 | 1.602 | 42AH |
| | ACSR | 2034 | 72/7 | 1.681 | |
| | AAC | 2000 | 91 | 1.630 | |
| 44.181 | ACSR | 2167 | 72/7 | 1.737 | 44AH |
| | AAC | 2250 | 91 | 1.729 | |
| | AAC | 2300 | 61 | 1.750 | |
| | AAC | 2300 | 91 | 1.750 | |
| 44.184 | ACSR | 2156 | 84/19 | 1.762 | 44AH |
| 44.188 | ACSR | 2312 | 76/19 | 1.802 | 44AH |
| | AAC | 2500 | 91 | 1.823 | |
| 48.197 | ACSR | 2515 | 76/19 | 1.880 | 48AH |
| | AAC | 2750 | 91 | 1.912 | |



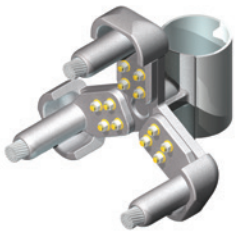
© 2011, AFL, all rights reserved. PP-3-00188, Revision 3, 3.16.2021
Specifications are subject to change without notice.

# DOSSERT®

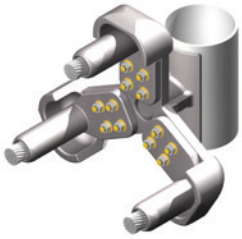
## TYPE 34996-EHV, 34997-EHV

### Welded Tee Adapter

Tri-conductor tee adapter is designed to be corona free for 345 kV and 500 kV service. Tri-conductor tee adapter is furnished as complete assembly consisting of tri-conductor adapter, three 90° EHV compression terminals and necessary aluminum hardware. Weights shown do not include compression terminals.



34996-EHV



34997-EHV

### Material

Aluminum Alloy

### Mounting Hardware

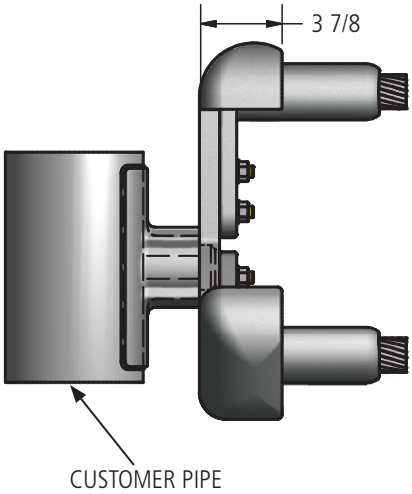
Galvanized steel bolts and lockwashers.

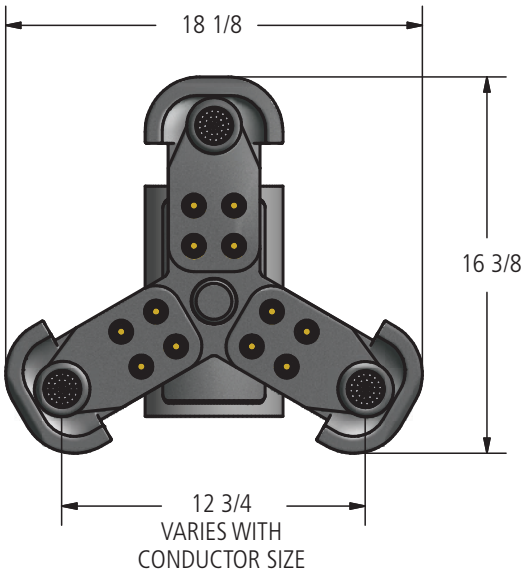
### Hardware

Yellow anodized aluminum bolts, nuts, and lockwashers.

### Notes

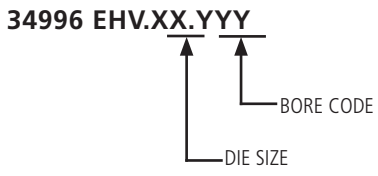
For conductor adapters without terminals, do not include Die Size or Bore Code in part number. Example: for a Tri-conductor adapter to 6" SPS, order 34997EHV.




### Ordering Information

| CONDUCTOR SIZE SPS & EHPS | CATALOG NUMBER | DIMENSIONS IN INCHES | NOMINAL WEIGHT |
|---|---|---|---|
| | | A | LBS |
| 3 THRU 4 | 34996 EHV.XX.YYY | 6.16 | 13.8 |
| 5 & 6 | 34997 EHV.XX.YYY | 6.36 | 15.5 |






© 2011, AFL, all rights reserved. PP-3-00190, Revision 1, 3.16.2021
Specifications are subject to change without notice.

# DOSSERT®

## TYPE 34996-EHV, 34997-EHV

### Welded Tee Adapter

| CODE | CONDUCTOR | | | | DIE SIZE ALUMINUM HEX DIE |
|---|---|---|---|---|---|
| | ACSR OR AAC | SIZE KCMIL | STRANDING AL/ST | DIAMETER IN INCHES | |
| 30.109 | ACSR | 715.5 | 24/7 | 1.036 | 30AH |
| | ACSR | 715.5 | 26/7 | 1.051 | |
| | ACSR | 795 | 36/1 | 1.040 | |
| | AAC | 795 | 37 | 1.026 | |
| | AAC | 795 | 61 | 1.028 | |
| | AAC | 800 | 37 | 1.031 | |
| | AAC | 800 | 61 | 1.031 | |
| 30.116 | ACSR | 715.5 | 30/19 | 1.081 | 30AH |
| | ACSR | 795 | 45/7 | 1.063 | |
| | ACSR | 795 | 54/7 | 1.093 | |
| | ACSR | 795 | 26/7 | 1.108 | |
| | ACSR | 795 | 24/7 | 1.092 | |
| | AAC | 900 | 61 | 1.094 | |
| 30.122 | ACSR | 795 | 30/19 | 1.140 | 30AH |
| | ACSR | 900 | 45/7 | 1.131 | |
| | ACSR | 900 | 54/7 | 1.162 | |
| | ACSR | 954 | 36/1 | 1.140 | |
| | ACSR | 954 | 45/7 | 1.165 | |
| | AAC | 954 | 37 | 1.124 | |
| | AAC | 954 | 61 | 1.126 | |
| | AAC | 1000 | 61 | 1.152 | |
| | AAC | 1033.5 | 37 | 1.170 | |
| | AAC | 1033.5 | 61 | 1.172 | |
| 30.125 | ACSR | 954 | 54/7 | 1.196 | 30AH |
| | ACSR | 1033.5 | 36/1 | 1.186 | |
| 34.128 | ACSR | 1033.5 | 45/7 | 1.212 | 34AH |
| | AAC | 1113 | 61 | 1.216 | |
| 34.134 | ACSR | 1033.5 | 54/7 | 1.244 | 34AH |
| | ACSR | 1113 | 45/7 | 1.259 | |
| | AAC | 1192.5 | 61 | 1.258 | |
| | AAC | 1272 | 61 | 1.300 | |
| 34.138 | ACSR | 1192.5 | 45/7 | 1.302 | 34AH |
| | ACSR | 1113 | 54/19 | 1.293 | |
| 36.144 | ACSR | 1272 | 45/7 | 1.345 | 36AH |
| | ACSR | 1192.5 | 54/19 | 1.333 | |
| | AAC | 1351 | 61 | 1.340 | |
| | AAC | 1431 | 61 | 1.379 | |



© 2011, AFL, all rights reserved. PP-3-00190, Revision 1, 3.16.2021
Specifications are subject to change without notice.

# DOSSERT®

## TYPE 34996-EHV, 34997-EHV

### Welded Tee Adapter

| CODE | CONDUCTOR | | | | DIE SIZE ALUMINUM HEX DIE |
|---|---|---|---|---|---|
| | ACSR OR AAC | SIZE KCMIL | STRANDING AL/ST | DIAMETER IN INCHES | |
| 36.147 | ACSR | 1272 | 54/19 | 1.382 | 36AH |
| | ACSR | 1351.5 | 45/7 | 1.386 | |
| | ACSR | 1500 | 91 | 1.412 | |
| | AAC | 1510.5 | 61 | 1.187 | |
| 38.150 | ACSR | 1351.5 | 54/19 | 1.424 | 38AH |
| | ACSR | 1431 | 45/7 | 1.427 | |
| 38.156 | ACSR | 1431 | 54/19 | 1.465 | 38AH |
| | ACSR | 1510.5 | 45/7 | 1.466 | |
| | AAC | 1590 | 61 | 1.250 | |
| | AAC | 1590 | 91 | 1.454 | |
| 40.162 | ACSR | 1510.5 | 54/19 | 1.506 | 40AH |
| | ACSR | 1590 | 45/7 | 1.504 | |
| | ACSR | 1590 | 54/19 | 1.545 | |
| | AAC | 1750 | 61 | 1.525 | |
| 42.178 | ACSR | 1780 | 84/19 | 1.602 | 42AH |
| | ACSR | 2034 | 72/7 | 1.681 | |
| | AAC | 2000 | 91 | 1.630 | |
| 44.181 | ACSR | 2167 | 72/7 | 1.737 | 44AH |
| | AAC | 2250 | 91 | 1.729 | |
| | AAC | 2300 | 61 | 1.750 | |
| | AAC | 2300 | 91 | 1.750 | |
| 44.184 | ACSR | 2156 | 84/19 | 1.762 | 44AH |
| 44.188 | ACSR | 2312 | 76/19 | 1.802 | 44AH |
| | AAC | 2500 | 91 | 1.823 | |
| 48.197 | ACSR | 2515 | 76/19 | 1.880 | 48AH |
| | AAC | 2750 | 91 | 1.912 | |

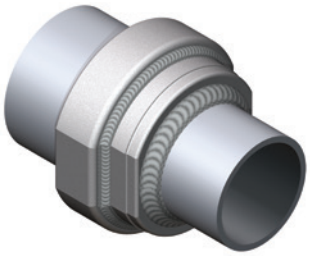


© 2011, AFL, all rights reserved. PP-3-00190, Revision 1, 3.16.2021
Specifications are subject to change without notice.

# DOSSERT®
## TYPE 15100-EHV

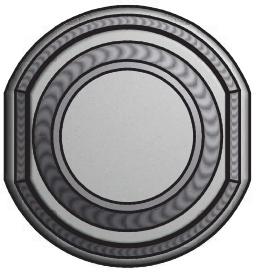
### Reducer Connector for Pipe

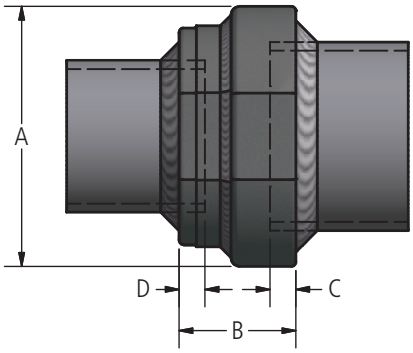
Reducer connector is designed to connect unequal pipe sizes with minimum amount of trouble. Designed for 345 kV and 500 kV service. Connector is welded on outside of pipe allowing use on both schedule 40 and schedule 80 pipe.



### Material

Aluminum Alloy






### Ordering Information

| CATALOG NUMBER | CONDUCTOR SIZE SPS / EHPS | | DIMENSIONS IN INCHES | | | | NOMINAL WEIGHT LBS |
|---|---|---|---|---|---|---|---|
| | RUN | BRANCH | A | B | C | D | |
| 15108-7EHV | 3 | 2 1/2 | 4.12 | 1.75 | 0.44 | 0.44 | 1.3 |
| 15109-7EHV | 3 1/2 | 2 1/2 | 4.69 | 1.75 | 0.44 | 0.44 | 1.5 |
| 15109-8EHV | 3 1/2 | 3 | 4.69 | 1.88 | 0.44 | 0.44 | 1.9 |
| 15110-7EHV | 4 | 2 1/2 | 5.19 | 1.81 | 0.5 | 0.44 | 1.7 |
| 15110-8EHV | 4 | 3 | 5.19 | 1.94 | 0.5 | 0.44 | 2.1 |
| 15110-9EHV | 4 | 3 1/2 | 5.19 | 1.94 | 0.5 | 0.44 | 2.3 |
| 15112-7EHV | 5 | 2 1/2 | 6.25 | 1.81 | 0.5 | 0.44 | 2.2 |
| 15112-8EHV | 5 | 3 | 6.25 | 1.94 | 0.5 | 0.44 | 2.6 |
| 15112-9EHV | 5 | 3 1/2 | 6.25 | 1.94 | 0.5 | 0.44 | 2.8 |
| 15112-10EHV | 5 | 4 | 6.25 | 2.00 | 0.5 | 0.50 | 3.1 |
| 15113-7EHV | 6 | 2 1/2 | 7.38 | 1.81 | 0.5 | 0.44 | 2.8 |
| 15113-8EHV | 6 | 3 | 7.38 | 1.94 | 0.5 | 0.44 | 3.2 |
| 15113-9EHV | 6 | 3 1/2 | 7.38 | 1.94 | 0.5 | 0.44 | 3.4 |
| 15113-10EHV | 6 | 4 | 7.38 | 2.00 | 0.5 | 0.50 | 3.7 |
| 15113-12EHV | 6 | 5 | 7.38 | 2.00 | 0.5 | 0.50 | 4.3 |



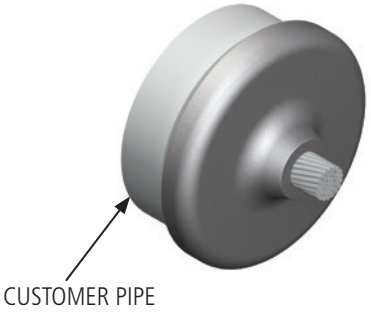


© 2011, AFL, all rights reserved. PP-3-00154, Revision 0, 3.4.11
Specifications are subject to change without notice.

# DOSSERT®
# TYPE 14700-EHV

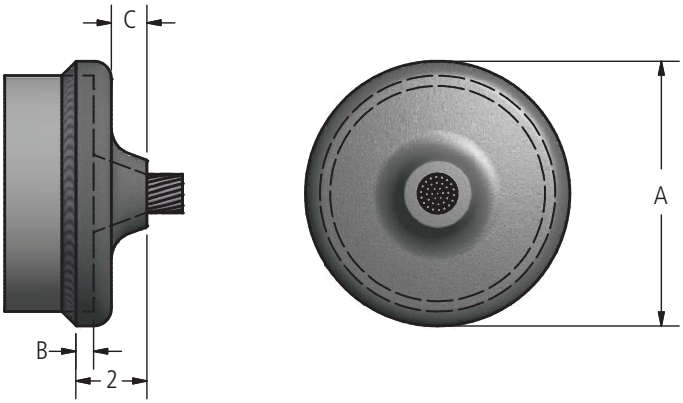
### Straight Adapter Tube to Cable

Adapter is designed to make inline connection between pipe and stranded cable. Designed for 345 kV service. Cable is "puddle" welded to connector; connector is then welded to tube. Not recommended for use on ACSR conductors due to difficulty welding steel core.




### Material

Aluminum Alloy




### Ordering Information

| TABLE 1 | | | | | |
|---|---|---|---|---|---|
| SPS | CATALOG NUMBER | DIMENSIONS IN INCHES | | | NOMINAL WEIGHT LBS |
| | | A | B | C | |
| 3 | 14708 | 4.22 | 0.44 | 1.06 | 1.20 |
| 3 1/2 | 14709 | 4.66 | 0.44 | 1.06 | 1.30 |
| 4 | 14710 | 5.22 | 0.50 | 1.00 | 1.50 |
| 5 | 14712 | 6.38 | 0.50 | 1.00 | 1.90 |
| 6 | 14713 | 7.44 | 0.50 | 1.00 | 2.60 |

| TABLE 2 | | | | | | | |
|---|---|---|---|---|---|---|---|
| STANDARD CONDUCTOR RANGE | | | CATALOG NUMBER | | | | |
| | | | RUN CONDUCTOR (SPS & EHPS) | | | | |
| MIN | MAX | DIAMETER | 3 | 3 1/2 | 4 | 5 | 6 |
| 900 MCM | - | 1.048 - 1.110 | 14708.112 EHV | 14709.112 EHV | 14710.112 EHV | 14712.112 EHV | 14713.112 EHV |
| 954 MCM | 1033.5 MCM | 1.111 - 1.173 | 14708.119 EHV | 14709.119 EHV | 14710.119 EHV | 14712.119 EHV | 14713.119 EHV |
| 1113 MCM | - | 1.174 - 1.235 | 14708.125 EHV | 14709.125 EHV | 14710.125 EHV | 14712.125 EHV | 14713.125 EHV |
| 1192.5 MCM | 1250 MCM | 1.236 - 1.297 | 14708.131 EHV | 14709.131 EHV | 14710.131 EHV | 14712.131 EHV | 14713.131 EHV |
| 1272 MCM | 1351.5 MCM | 1.298 - 1.360 | 14708.138 EHV | 14709.138 EHV | 14710.138 EHV | 14712.138 EHV | 14713.138 EHV |
| 1431 MCM | 1510.5 MCM | 1.361 - 1.423 | 14708.144 EHV | 14709.144 EHV | 14710.144 EHV | 14712.144 EHV | 14713.144 EHV |
| 1590 MCM | - | 1.424 - 1.485 | 14708.150 EHV | 14709.150 EHV | 14710.150 EHV | 14712.150 EHV | 14713.150 EHV |
| 1750 MCM | - | 1.486 - 1.542 | 14708.156 EHV | 14709.156 EHV | 14710.156 EHV | 14712.156 EHV | 14713.156 EHV |





© 2011, AFL, all rights reserved. PP-3-00152, Revision 0, 3.4.11
Specifications are subject to change without notice.

# 345/500 kV Terminal Connectors



## DOSSERT®

## TYPE TP-N-V-AA, TPA-N-90-V-AA

### Bolted Terminal to Pipe Rated for 500 kV

Bolted terminal for installation to pipe.



TP-N-V-AA



TPA-N-90-V-AA

### Material

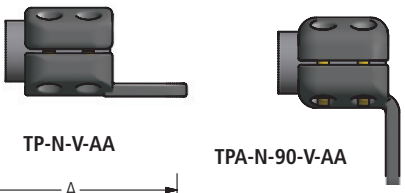
Aluminum Alloy

### Hardware

Yellow anodized aluminum nuts, bolts, and lockwashers.

### Notes

For a 3" pipe with a 4" terminal pad, at 90°, high voltage, use TPA300-4N4-90-V-AA.



TP-N-V-AA



TPA-N-90-V-AA

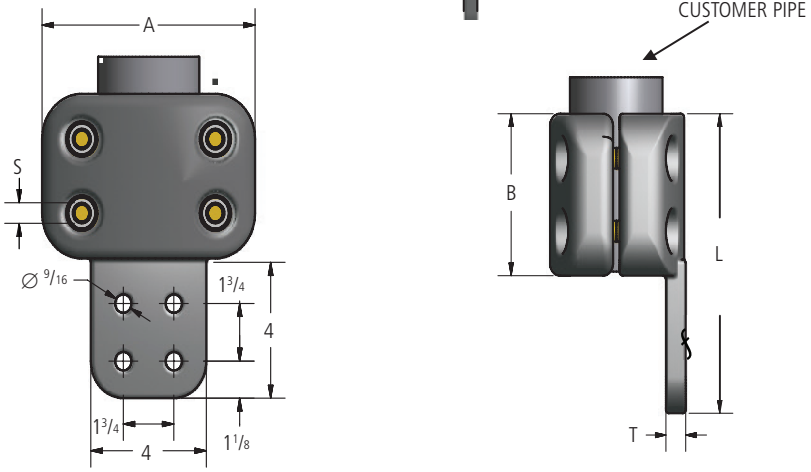



Fig. 1

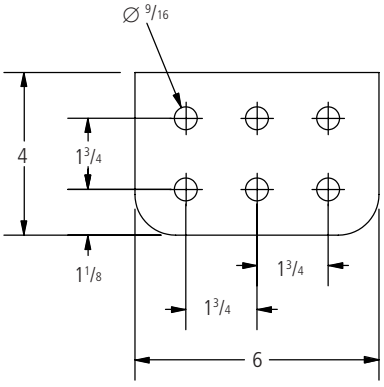



Fig. 2



© 2011, AFL, all rights reserved. PP-3-00479, Revision 4, 9.20.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE TP-N-V-AA, TPA-N-90-V-AA

**Bolted Terminal to Pipe Rated for 500 kV**

### Ordering Information

| CATALOG NUMBER | | SPS | FIG. NO. | DIMENSIONS IN INCHES | | | | |
|---|---|---|---|---|---|---|---|---|
| STANDARD | 90 DEG | | | A | B | L | S | T |
| TP250-4N4-V-AA | TPA250-4N4-90-V-AA | 2 1/2 | 1 | 5 3/4 | 4 1/2 | 9 | 1/2 | 3/4 |
| TP300-4N4-V-AA | TPA300-4N4-90-V-AA | 3 | 1 | 7 3/8 | 5 | 9 1/2 | 5/8 | 3/4 |
| TP350-4N4-V-AA | TPA350-4N4-90-V-AA | 3 1/2 | 1 | 7 7/8 | 5 | 9 1/2 | 5/8 | 7/8 |
| TP400-4N4-V-AA | TPA400-4N4-90-V-AA | 4 | 1 | 8 3/8 | 5 | 10 1/2 | 5/8 | 7/8 |
| TP400-6N4-V-AA | TPA400-6N4-90-V-AA | 4 | 2 | 8 3/8 | 5 | 10 1/2 | 5/8 | 7/8 |
| TP500-4N4-V-AA | TPA500-4N4-90-V-AA | 5 | 1 | 10 1/4 | 5 3/4 | 10 1/8 | 5/8 | 1 1/4 |
| TP500-6N4-V-AA | TPA500-6N4-90-V-AA | 5 | 2 | 9 9/16 | 6 1/4 | 10 5/8 | 5/8 | 1 1/8 |
| TP600-4N4-V-AA | TPA600-4N4-90-V-AA | 6 | 1 | 10 3/8 | 5 | 9 1/4 | 5/8 | 1 1/8 |
| TP600-6N4-V-AA | TPA600-6N4-90-V-AA | 6 | 2 | 10 5/8 | 6 1/4 | 10 1/2 | 5/8 | 1 1/4 |
| TP800R-4N4-V-AA | TPA800R-4N4-90-V-AA | 8 OD | 1 | 11 1/4 | 6 | 10 1/2 | 5/8 | 1 1/2 |
| TP800-4N4-V-AA | TP800-4N4-90-V-AA | 8 | 1 | 11 | 6 | 10 1/2 | 5/8 | 1 1/2 |



© 2011, AFL, all rights reserved. PP-3-00479, Revision 4, 9.20.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE WTPC-N-V-AA

### Welded External Centerform Terminal

Terminal is designed to be corona free for 345 kV and 500 kV service when pad covers are used to shield terminal hardware.



### Material

Aluminum Alloy

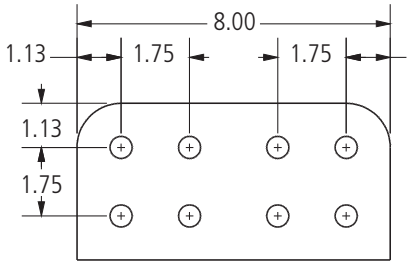



FIG. 2

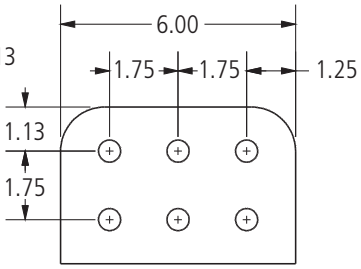



FIG. 3

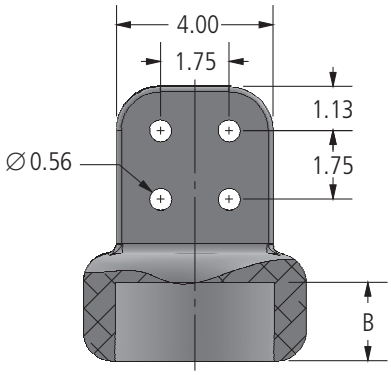
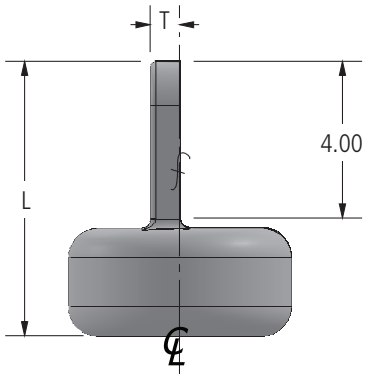



FIG. 1




### Ordering Information

| CATALOG NUMBER | SPS | FIG. NO. | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|---|
| | | | B | L | T |
| WTPC200-4N4-V-AA | 2 | 1 | 1.50 | 6.00 | 0.50 |
| WTPC200-6N4-V-AA | 2 | 3 | 1.50 | 6.00 | 0.50 |
| WTPC300-4N4-V-AA | 3 | 1 | 1.75 | 6.75 | 0.63 |
| WTPC350-4N4-V-AA | 3 1/2 | 1 | 2.00 | 7.00 | 0.75 |
| WTPC400-4N4-V-AA | 4 | 1 | 2.00 | 6.75 | 0.88 |
| WTPC500-4N4-V-AA | 5 | 1 | 2.75 | 7.75 | 0.88 |
| WTPC500-6N4-V-AA | 5 | 3 | 2.75 | 7.75 | 0.88 |
| WTPC600-4N4-V-AA | 6 | 1 | 3.00 | 8.00 | 1.00 |
| WTPC600E-8N4-V-AA | 6 | 2 | 3.00 | 8.00 | 1.00 |
| WTPC800R-4N4-V-AA | 8 OD | 1 | 3.00 | 8.00 | 1.00 |
| WTPC800-4N4-V-AA | 8 | 1 | 3.00 | 8.00 | 1.00 |





© 2011, AFL, all rights reserved. PP-3-00555, Revision 2, 7.20.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE WTPI-N-V-AA, WTPIA-N-90-V-AA

### Welded Internal Offset Terminal

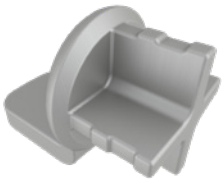
Welded internal terminal standard and at 90° is designed to be corona free for 345 kV and 500 kV service.



WTPI-N-V-AA



WTPIA-N-90-V-AA



*CROSS DESIGN

### Material

Aluminum Alloy

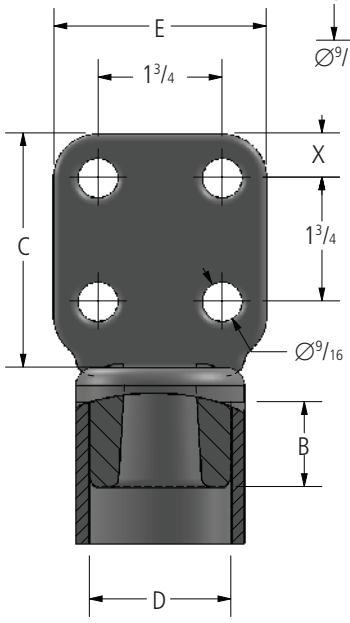



FIG. 1

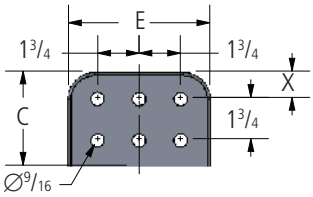
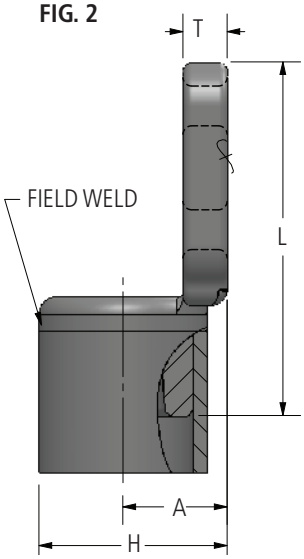
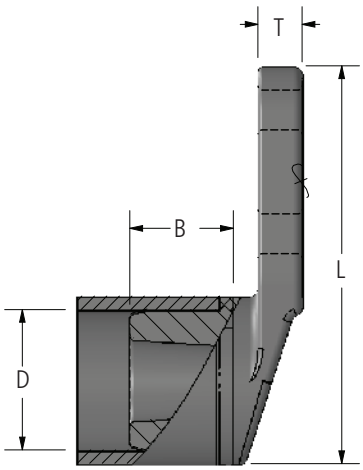



FIG. 2




WTPI-N-V-AA




WTPIA-N-90-V-AA



*continued*



© 2011, AFL, all rights reserved. PP-3-00567, Revision 4, 2.27.19
Specifications are subject to change without notice.

# DOSSERT®

## TYPE WTPI-N-V-AA, WTPIA-N-90-V-AA

### Welded Internal Offset Terminal

### Ordering Information

| CATALOG NUMBER | | SPS | FIG. NO. | DIMENSIONS IN INCHES | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STANDARD | 90 DEGREE | | | A | B | C | D | E | H | L | T | X |
| WTPI200-4N-V-AA | WTPIA200-4N-90-V-AA | 2 | 1 | 1.50 | 1.25 | 3.00 | 2.000 | 3.00 | 2.69 | 4.75 | 0.63 | 0.63 |
| WTPI200E-4N4-V-AA | WTPIA200E-4N4-90-V-AA | 2 | 1 | 1.50 | 1.94 | 4.00 | 1.872 | 4.00 | 2.88 | 6.63 | 0.63 | 1.13 |
| WTPI250-4N4-V-AA | WTPIA250-4N4-90-V-AA | 2 1/2 | 1 | 1.75 | 1.50 | 4.00 | 2.390 | 4.00 | 3.19 | 6.75 | 0.63 | 1.13 |
| WTPI400-4N4-V-AA | WTPIA400-4N4-90-V-AA | 4 | 1 | 2.50 | 2.25 | 4.00 | 3.995 | 4.00 | 4.75 | 7.75 | 0.75 | 1.13 |
| WTPI400E-4N4-V-AA | WTPIA400E-4N4-90-V-AA | 4 EHPS | 1 | 2.50 | 2.25 | 4.00 | 3.764 | 4.00 | 4.75 | 7.75 | 0.75 | 1.13 |
| WTPI500-4N4-V-AA* | WTPIA500-4N4-90-V-AA | 5 | 1 | 3.00 | 2.88 | 4.00 | 4.984 | 4.00 | 5.91 | 8.25 | 0.88 | 1.13 |
| WTPI500-6N4-V-AA | WTPIA500-6N4-90-V-AA* | 5 | 2 | 3.00 | 3.00 | 4.00 | 4.984 | 6.00 | 5.91 | 9.81 | 1.13 | 1.13 |
| WTPI500E-4N4-V-AA | WTPIA500E-4N4-90-V-AA | 5 EHPS | 1 | 3.00 | 2.88 | 4.00 | 4.750 | 4.00 | 5.91 | 8.25 | 0.88 | 1.13 |
| WTPI600-4N4-V-AA | WTPIA600-4N4-90-V-AA* | 6 | 1 | 3.50 | 3.38 | 4.00 | 6.000 | 4.00 | 6.81 | 10.88 | 1.00 | 1.13 |
| WTPI600E-4N4-V-AA | WTPIA600E-4N4-90-V-AA* | 6 | 1 | 3.50 | 3.38 | 4.00 | 5.683 | 4.00 | 6.81 | 10.88 | 1.00 | 1.13 |
| WPTI600-6N4-V-AA | WTPIA600-6N4-90-V-AA | 6 | 2 | 3.50 | 3.38 | 4.00 | 6.000 | 6.00 | 6.81 | 10.88 | 1.13 | 1.13 |
| WTPI800R-4N4-V-AA | WTPIA800R-4N4-90-V-AA | 8 OD | 1 | 4.50 | 4.00 | 4.00 | 7.154 | 4.00 | 7.75 | 10.00 | 1.00 | 1.13 |
| WTPI800-4N4-V-AA | WTPIA800-4N4-90-V-AA | 8 | 1 | 4.50 | 4.00 | 4.00 | 8.000 | 4.00 | 7.75 | 10.00 | 1.00 | 1.13 |

* Cross Design





© 2011, AFL, all rights reserved. PP-3-00567, Revision 4, 2.27.19
Specifications are subject to change without notice.

# DOSSERT®

## TYPE WTPIC-N-V-AA, WTPIC-E-N-V-AA



### Welded Internal Terminal

Welded internal terminal is designed to be corona free for 345 kV and 500 kV service.

### Material

Aluminum Alloy

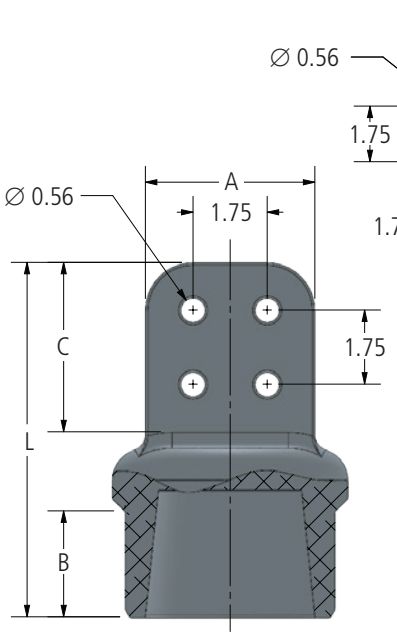



FIG. 1

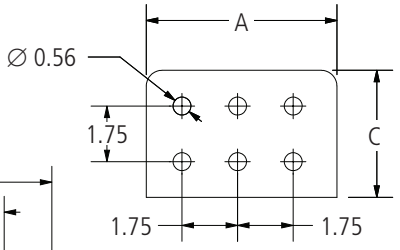
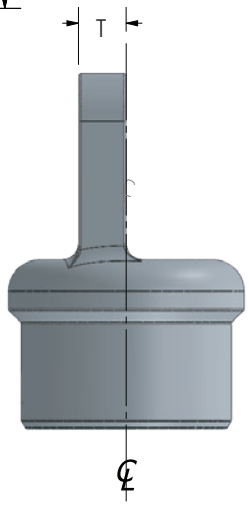



FIG. 2




### Ordering Information

| CATALOG NUMBER | | SPS | FIG. NO. | DIMENSIONS IN INCHES | | | | |
|---|---|---|---|---|---|---|---|---|
| SCHEDULE 40 | SCHEDULE 80 | | | A | B | C | L | T |
| WTPIC250-4N4-V-AA | WTPIC250E-4N4-V-AA | 2 1/2 | 1 | 4.00 | 1.50 | 4.00 | 6.88 | 0.63 |
| WTPIC300-4N4-V-AA | WTPIC300E-4N4-V-AA | 3 | 1 | 4.00 | 2.00 | 4.00 | 7.38 | 0.63 |
| WTPIC300-6N4-V-AA | WTPIC300E-6N4-V-AA | 3 | 2 | 6.00 | 2.00 | 4.00 | 7.38 | 0.63 |
| WTPIC350-4N4-V-AA | WTPIC350E-4N4-V-AA | 3 1/2 | 1 | 4.00 | 2.00 | 4.00 | 7.38 | 0.75 |
| WTPIC400-4N4-V-AA | WTPIC400E-4N4-V-AA | 4 | 1 | 4.00 | 2.31 | 4.00 | 7.75 | 0.75 |
| WTPIC400-6N4-V-AA | WTPIC400E-6N4-V-AA | | 2 | 6.00 | 2.31 | 4.00 | 7.75 | 0.75 |
| WTPIC400-6N6-V-AA | WTPIC400E-6N6-V-AA | | 2 | 6.00 | 2.31 | 6.00 | 7.75 | 0.75 |
| WTPIC500-4N4-V-AA | WTPIC500E-4N4-V-AA | 5 | 1 | 4.00 | 3.00 | 4.00 | 8.56 | 1.13 |
| WTPIC500-6N6-V-AA | WTPIC500E-6N6-V-AA | | 2 | 6.00 | 2.50 | 6.00 | 8.13 | 0.88 |
| WTPIC600-4N4-V-AA | WTPIC600E-4N4-V-AA | 6 | 1 | 4.00 | 3.50 | 4.00 | 9.31 | 1.00 |
| WTPIC600-6N6-V-AA | WTPIC600E-6N6-V-AA | | 2 | 6.00 | 3.50 | 6.00 | 9.31 | 1.00 |





© 2011, AFL, all rights reserved. PP-3-00570, Revision 4, 6.1.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE WXL-V-AA, WXL-HV-AA

### Expansion Terminal Connector

Expansion terminals are to be corona free for 345 kV and 500 kV service. Aluminum terminals can be connected to aluminum or copper terminals. Laminated straps provide for 1.75" (44.5 mm) expansion or contraction. Static steel static eliminator springs are are supplied for slip fit end of corona ring assembly.



### Material

Aluminum Alloy

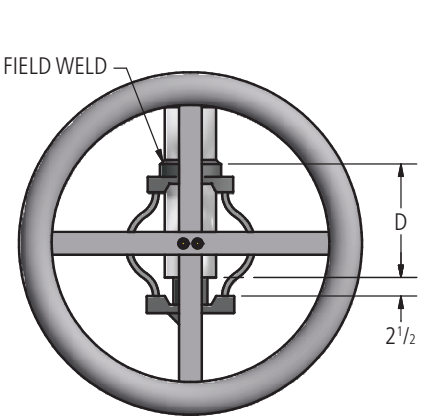
### Hardware

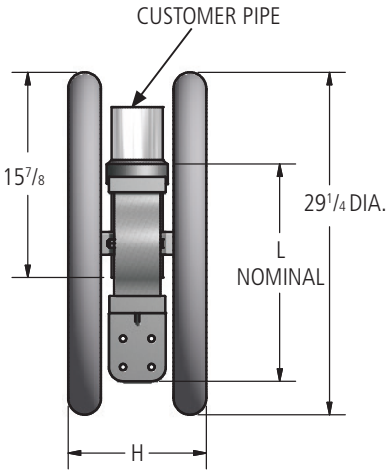
Yellow anodized aluminum bolts, nuts, and lockwashers. Stainless steel bolts, nuts, and lockwashers.

### Notes

If hardware sheild is required add -CSBV-to catalog
Example: WXL500E-4N4-V-AA-CSBV

For SCH 80 bus pipe, add "E" to catalog number.
Example: For 4 in SCH 80 bus pipe to 4 hole 4 in NEMA pad order: WXL400E-4N4-V-AA.



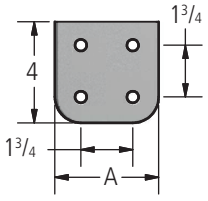




FIG. 1

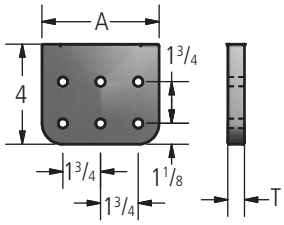



FIG. 2

### Ordering Information

| CATALOG NUMBER | | | | SPS | FIG. NO. | DIMENSIONS IN INCHES | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 345 KV | | 500 KV | | | | A | D | H | L | T |
| SCH 40 | SCH 80 | SCH 40 | SCH 80 | | | | | | | |
| WXL250-4N4-V-AA | WXL250E-4N4-V-AA | WXL250-4N4-HV-AA | WXL250E-4N4-HV-AA | 2 1/2 | 1 | 4 | 7 11/16 | 10 5/8 | 15 7/8 | 5/8 |
| WXL300-4N4-V-AA | WXL300E-4N4-V-AA | WXL300-4N4-HV-AA | WXL300E-4N4-HV-AA | 3 | 1 | 4 | 8 3/16 | 11 1/8 | 17 | 5/8 |
| WXL350-4N4-V-AA | WXL350E-4N4-V-AA | WXL350-4N4-HV-AA | WXL350E-4N4-HV-AA | 3 1/2 | 1 | 4 | 9 3/4 | 11 5/8 | 18 5/16 | 3/4 |
| WXL400-4N4-V-AA | WXL400E-4N4-V-AA | WXL400-4N4-HV-AA | WXL400E-4N4-HV-AA | 4 | 1 | 4 | 10 | 12 1/8 | 19 | 3/4 |
| WXL500-4N4-V-AA | WXL500E-4N4-V-AA | WXL500-4N4-HV-AA | WXL500E-4N4-HV-AA | 5 | 1 | 4 | 10 | 13 1/8 | 19 | 7/8 |
| WXL500-6N-V-AA | WXL500E-6N-V-AA | WXL500-6N-HV-AA | WXL500E-6N-HV-AA | 5 | 2 | 5 3/4 | 10 | 13 1/8 | 19 | 7/8 |
| WXL600-4N4-V-AA | WXL600E-4N4-V-AA | WXL600-4N4-HV-AA | WXL600E-4N4-HV-AA | 6 | 1 | 4 | 12 | 14 1/4 | 21 | 1 |
| WXL600-6N4-V-AA | WXL600E-6N4-V-AA | WXL600-6N4-HV-AA | WXL600E-6N4-HV-AA | 6 | 2 | 5 3/4 | 12 | 14 1/4 | 21 | 1 |





© 2011, AFL, all rights reserved. PP-3-00587, Revision 2, 12.4.13
Specifications are subject to change without notice.

DOSSERT®

# TYPE TC-N-V-AA, T2C-N-V-AA, TCA-N-V-AA,T2CA-N-V-A

## Bolted Cable Terminal

Bolted terminal for connection to cable with NEMA Pad.



TC-N-V-AA

## Material

Aluminum Alloy

## Hardware

Yellow anodized aluminum nuts, bolts, and lockwashers.

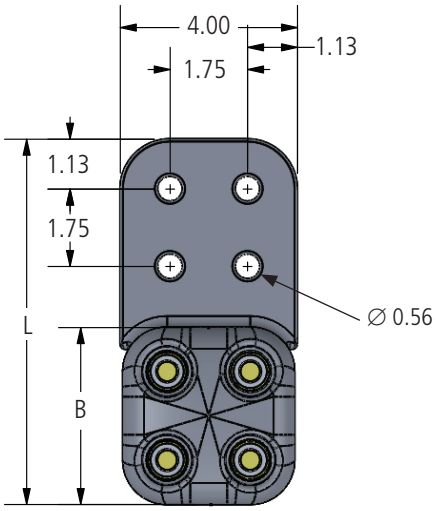


T2C-N-V-AA

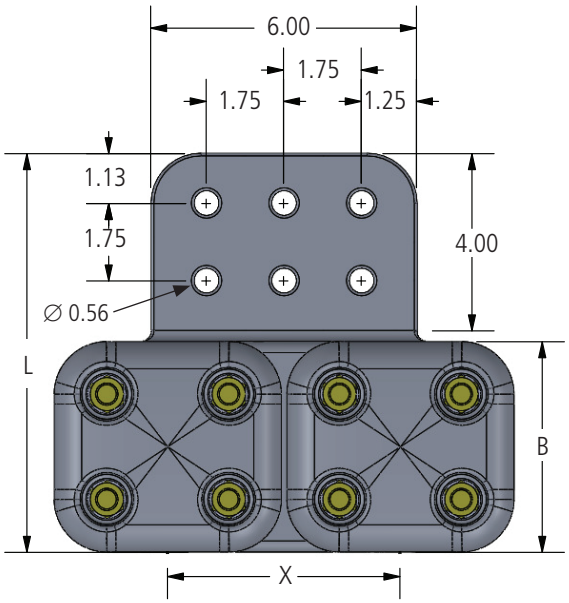
## Notes

- For Stainless Steel Hardware add "-SS" to catalog number. Example: T2C300-4N4-V-AA-SS
- For Stainless Steel bolts, lockwashers and Everdur nuts add "-SSHBN" to catalog number. Example: T2C300-4N4-V-AA-SSHBN
- For Grade Five Galvanized Steel Hardware add "-GS5" to catalog number. Example: TCA127-4N4-90-V-AA-GS5
- For Hardware Shield add "-CSBV" to catalog number. Example: T2C127-4N4-V-AA-CSBV
- For Angled Pad add "A" to prefix and angle to catalog number. Example: TCA127-4N4-90-V-AA
- For "X" dimensions larger than listed, add spacing to the catalog number. Example: T2C300-4N4-6-V-AA
- Custom pad thicknesses are available.

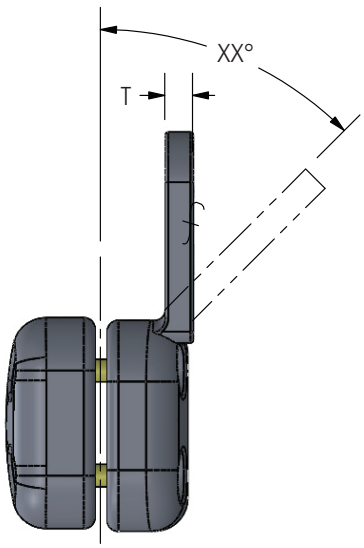
**6N4 PAD**




TC-N-V-AA




T2C-N-V-AA




TCA-N-XX-V-AA

*continued*



© 2011, AFL, all rights reserved. PP-3-00471, Revision 7, 3.30.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE TC-N-V-AA, T2C-N-V-AA, TCA-N-V-AA,T2CA-N-V-A

### Bolted Cable Terminal

### Ordering Information

| CATALOG NUMBER | | CABLE RANGE | | | DIMENSIONS IN INCHES | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|
| | | ALUMINUM | | ACSR | | | | | |
| SINGLE CABLE | DOUBLE CABLE | MIN | MAX | | B | L | T | X | |
| TC79-4N4-V-AA | T2C79-4N4-V-AA | 750 MCM | 795 MCM | 636(18/1;24/7;26/7) | 4.00 | 8.25 | 0.50 | 4.00 | 1/2 |
| TC95-4N4-V-AA | T2C95-4N4-V-AA | 800 MCM | 945 MCM | 795(47/7;24/7;26/7 | 4.00 | 8.25 | 0.50 | 4.00 | 1/2 |
| TC103-4N4-V-AA | T2C103-4N4-V-AA | 1000 MCM | 1033.5 MCM | 954(45/7;54/7) | 4.00 | 8.25 | 0.50 | 4.00 | 1/2 |
| TC127-4N4-V-AA | T2C127-4N4-V-AA | 1113 MCM | 1272 MCM | 1033(54/7); 1113(45/7)(54/19) | 4.50 | 8.75 | 0.63 | 4.63 | 1/2 |
| – | T2C127-4N4-6-V-AA | 1113 MCM | 1272 MCM | 1033(54/7); 1113(45/7)(54/19) | 4.50 | 9.00 | 1.00 | 6.00 | 1/2 |
| TC127-6N4-V-AA | – | 1113 MCM | 1272 MCM | 1033(54/7); 1113(45/7)(54/19) | 4.00 | 8.25 | 0.50 | – | 1/2 |
| – | T2C127-6N4-6-V-AA | 1113 MCM | 1272 MCM | 1033(54/7); 1113(45/7)(54/19) | 4.00 | 8.25 | 0.50 | 6.00 | 1/2 |
| TC140-4N4-V-AA | T2C140-4N4-V-AA | 1300 MCM | 1400 MCM | 1272(45/7;54/19) 1351.5(45/7) | 4.50 | 8.75 | 0.64 | 4.63 | 1/2 |
| TC160-4N4-V-AA | T2C160-4N4-V-AA | 1500 MCM | 1600 MCM | 1431(45/7;54/19) 1351.5(54/19) | 4.75 | 9.00 | 0.63 | 5.13 | 1/2 |
| – | T2C160-4N4-6-V-AA | 1500 MCM | 1600 MCM | 1431(45/7;54/19) 1351.5(54/19) | 4.75 | 9.00 | 0.75 | 6.00 | 1/2 |
| – | T2C160-4N4-8-V-AA | 1500 MCM | 1600 MCM | 1431(45/7;54/19) 1351.5(54/19) | 4.75 | 9.00 | 0.75 | 8.00 | 1/2 |
| TC160-6N4-V-AA | T2C160-6N4-V-AA | 1500 MCM | 1600 MCM | 1431(45/7;54/19) 1351.5(54/19) | 4.75 | 9.00 | 0.75 | 5.00 | 1/2 |
| – | T2C160-6N4-6-V-AA | 1500 MCM | 1600 MCM | 1431(45/7;54/19) 1351.5(54/19) | 4.75 | 9.00 | 0.75 | 6.00 | 1/2 |
| – | T2C160-6N4-8-V-AA | 1500 MCM | 1600 MCM | 1431(45/7;54/19) 1351.5(54/19) | 4.75 | 9.00 | 0.75 | 8.00 | 1/2 |
| TC180-4N4-V-AA | T2C180-4N4-V-AA | 1700 MCM | 1800 MCM | 1590(45/7;54/19) | 4.75 | 9.00 | 0.63 | 5.19 | 1/2 |
| TC200-4N4-V-AA | T2C200-4N4-V-AA | 1900 MCM | 2000 MCM | 1780(84/19) | 4.75 | 9.00 | 0.75 | 5.25 | 1/2 |
| – | T2C200-4N4-6-V-AA | 1900 MCM | 2000 MCM | 1780(84/19) | 4.75 | 9.00 | 0.75 | 6.00 | 1/2 |
| – | T2C200-4N4-12-V-AA | 1900 MCM | 2000 MCM | 1780(84/19) | 4.75 | 9.00 | 0.75 | 12.00 | 1/2 |
| TC200-6N4-V-AA | T2C200-6N4-V-AA | 1900 MCM | 2000 MCM | 1780(84/19) | 4.75 | 9.00 | 0.75 | 5.25 | 1/2 |
| – | T2C200-6N4-6-V-AA | 1900 MCM | 2000 MCM | 1780(84/19) | 4.75 | 9.00 | 0.75 | 6.00 | 1/2 |
| TC205-4N4-V-AA | – | 2000 MCM | 2049 MCM | 1780(84/19) 2034(72/7) | 4.75 | 9.00 | 0.63 | – | 1/2 |
| TC250-4N4-V-AA | T2C250-4N4-V-AA | 2250 MCM | 2500 MCM | 2156(84/19) | 4.75 | 9.00 | 0.88 | 5.50 | 5/8 |
| – | T2C250-6N4-V-AA | 2250 MCM | 2500 MCM | 2156(84/19) | 4.75 | 9.00 | 0.88 | 5.50 | 5/8 |
| TC300-4N4-V-AA | T2C300-4N4-V-AA | 2750 MCM | 3000 MCM | 2515(76/19) | 4.75 | 9.00 | 1.00 | 5.63 | 5/8 |
| – | T2C300-4N4-6-V-AA | 2750 MCM | 3000 MCM | 2515(76/19) | 4.75 | 9.00 | 1.00 | 6.00 | 5/8 |
| TC300-6N4-6-V-AA | T2C300-6N4-6-V-AA | 2750 MCM | 3000 MCM | 2515(76/19) | 4.75 | 9.25 | 1.25 | 6.00 | 5/8 |
| TC300-6N4-V-AA | – | 2750 MCM | 3000 MCM | 2515(76/19) | 4.75 | 9.00 | 1.00 | – | 5/8 |
| *TC350-4N4-V-AA | *T2C350-4N4-V-AA | 3250 MCM | 3500 MCM | 3156(84/19) | 5.50 | 9.00 | 1.00 | 6.00 | 5/8 |
| – | *T2C350-6N4-13-V-AA | 3250 MCM | 3500 MCM | 3156(84/19) | 5.50 | 10.00 | 1.00 | 13.00 | 5/8 |
| *TC364-4N4-V-AA | – | 3640 MCM | – | – | 5.50 | 9.75 | 1.00 | – | 5/8 |

* Design has 6 bolts per cable



© 2011, AFL, all rights reserved. PP-3-00471, Revision 7, 3.30.2023
Specifications are subject to change without notice.

# TYPE WPC-N-V-AA, WP2C-N-V-AA Welded Terminal Connector



WPC-N-V-AA

Terminal connector is designed to be corona free for 345 kV and 500 kV service.

## Material

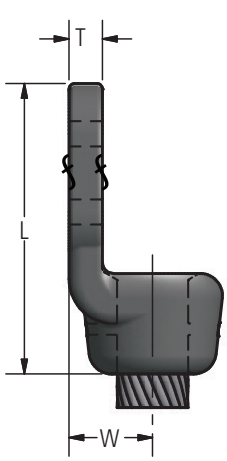
Aluminum Alloy

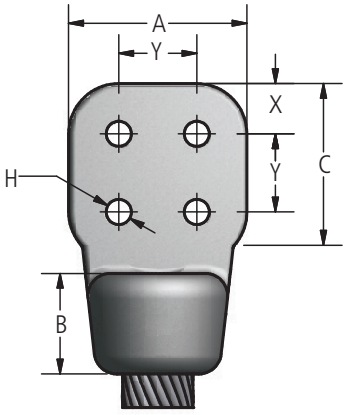
## Notes

- For Hardware Shield, add "-CSBV" to catalog number. EX: WPC250-4N4-V-AA-CSBV.
- For (2) Hardware Shields, add "-2CSBV" to catalog number. EX: WPC250-4N4-V-AA-2CSBV.

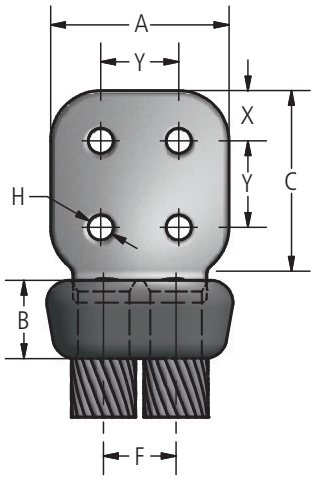


WP2C-N-V-AA

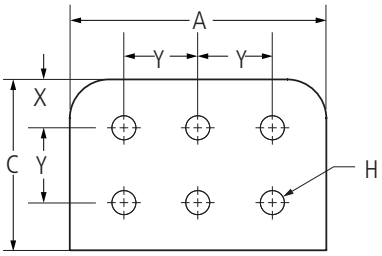



PAD DETAIL 1
WPC-N-V-AA




WP2C-N-V-AA




PAD DETAIL 2

## Ordering Information

| CATALOG NUMBER | | CABLE RANGE | | PAD DETAIL | DIMENSIONS IN INCHES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ACSR | ALUMINUM | | A | B | C | F | H | L | T | W | X | Y |
| WPC65-4N4-V-AA | WP2C65-4N4-V-AA | 556.5 (18/2, 24/7, 26/7) 636 (30/19) | 600 (37, 61, 91) 636 (37) 650 (37, 61, 91) | 1 | 4.00 | 1.50 | 4.00 | 1.63 | 0.56 | 5.75 | 0.50 | 1.31 | 0.63 | 1.75 |
| WPC80-4N-V-AA | WP2C80-4N-V-AA | 636 (30/19) 666.6 (24/7,26/7) 715.5 (24/7) | 750 (37,61,91) 795 (37,61) 800 (61,91) | 1 | 3.00 | 1.50 | 3.00 | 1.63 | 0.56 | 3.00 | 0.50 | 1.31 | 0.63 | 1.75 |
| WPC80-4N4-V-AA | WP2C80-4N4-V-AA | 636 (30/19) 666.6 (24/7,26/7) 715.5 (24/7) | 750 (37,61,91) 795 (37,61) 800 (61,91) | 1 | 4.00 | 1.50 | 4.00 | 1.63 | 0.56 | 4.00 | 0.50 | 1.31 | 1.13 | 1.75 |
| WPC80-4S4-V-AA | WP2C80-4S4-V-AA | 636 (30/19) 666.6 (24/7,26/7) 715.5 (24/7) | 750 (37,61,91) 795 (37,61) 800 (61,91) | 1 | 4.00 | 1.50 | 4.00 | 1.63 | 0.69 | 4.00 | 0.50 | 1.31 | 1.00 | 2.00 |
| WPC90-4N4-V-AA | WP2C90-4N4-V-AA | 715.5 (30/19) 795 (36/1, 45/7, 24/7, 54/7) | 800 (61,91) 874.5 (37,61) 900 (37,61,91) | 1 | 4.00 | 1.50 | 4.00 | 1.63 | 0.56 | 6.25 | 0.50 | 1.31 | 1.13 | 1.75 |

© 2011, AFL, all rights reserved. PP-3-00536, Revision 2, 12.29.2025
Specifications are subject to change without notice.

# TYPE WPC-N-V-AA, WP2C-N-V-AA (cont.) Welded Terminal Connector

## Ordering Information

| CATALOG NUMBER | | CABLE RANGE | | PAD DETAIL | DIMENSIONS IN INCHES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ACSR | ALUMINUM | | A | B | C | F | H | L | T | W | X | Y |
| WPC90-4S4-V-AA | WP2C90-4S4-V-AA | 715.5 (30/19) 795 (36/1, 45/7, 24/7, 54/7) | 800 (61,91) 874.5 (37,61) 900 (37,61,91) | 1 | 4.00 | 1.50 | 4.00 | 1.63 | 0.69 | 6.25 | 0.50 | 1.31 | 1.00 | 2.00 |
| WPC95-4N4-V-AA | WP2C95-4N4-V-AA | 795 (30/19, 26/7) 874.5 (54/7) 900 (45/7, 54/7) | 900 (37,61,91) 954 (37,61) | 1 | 4.00 | 1.75 | 4.00 | 1.63 | 0.56 | 6.00 | 0.50 | 1.38 | 1.13 | 1.75 |
| WPC95-4S4-V-AA | WP2C95-4S4-V-AA | 795 (30/19, 26/7) 874.5 (54/7) 900 (45/7, 54/7) | 900 (37,61,91) 954 (37,61) | 1 | 4.00 | 1.75 | 4.00 | 1.63 | 0.69 | 6.00 | 0.50 | 1.38 | 1.00 | 2.00 |
| WPC103-4N4-V-AA | WP2C103-4N4-V-AA | 954 (36/1, 45/7, 54/7) | 954 (37,61) 1000 (37, 61, 91) 1033.5 (37, 61) | 1 | 4.00 | 1.75 | 4.00 | 1.75 | 0.56 | 6.00 | 0.50 | 1.38 | 1.13 | 1.75 |
| WPC103-4S4-V-AA | WP2C103-4S4-V-AA | 954 (36/1, 45/7, 54/7) | 954 (37,61) 1000 (37,61,91) 1033.5 (37,61) | 1 | 4.00 | 1.75 | 4.00 | 1.75 | 0.69 | 6.00 | 0.50 | 1.38 | 1.00 | 2.00 |
| WPC103-6N4-V-AA | WP2C103-6N4-V-AA | 954 (36/1, 45/7, 54/7) | 954 (37,61) 1000 (37, 61, 91) 1033.5 (37, 61) | 2 | 6.00 | 1.75 | 4.00 | 1.75 | 0.56 | 6.00 | 0.50 | 1.38 | 1.13 | 1.75 |
| WPC111-4N4-V-AA | WP2C111-4N4-V-AA | 1033.5 (36/1, 45/7, 54/7) | 1100 (91,127) 1113 (61) | 1 | 4.00 | 1.75 | 4.00 | - | 0.56 | 6.00 | 0.50 | 1.38 | 1.13 | 1.75 |
| WPC111-4S4-V-AA | WP2C111-4S4-V-AA | 1033.5 (36/1, 45/7, 54/7) | 1100 (91,127) 1113 (61) | 1 | 4.00 | 1.75 | 4.00 | - | 0.69 | 6.00 | 0.50 | 1.38 | 1.00 | 2.00 |
| WPC127R-4N4-V-AA | WP2C127R-4N4-V-AA | - | 1272 MCM ROPELAY | 1 | 4.00 | 2.00 | 4.00 | 2.25 | 0.56 | 6.25 | 0.75 | 1.75 | 1.13 | 1.75 |
| WPC127R-4S4-V-AA | WP2C127R-4S4-V-AA | - | 1272 MCM ROPELAY | 1 | 4.00 | 2.00 | 4.00 | 2.25 | 0.69 | 6.25 | 0.69 | 1.56 | 1.00 | 2.00 |
| WPC135-4N4-V-AA | WP2C135-4N4-V-AA | 1113 (45/7, 54/19) 1192.5 (45/7, 54/19) | 1192.5 (61) 1200 (91,127) 1250 (91,127) 1271 (61) 1300 (91, 127) 1351.5 (61) | 1 | 4.00 | 2.00 | 4.00 | 2.00 | 0.56 | 6.25 | 0.63 | 1.63 | 1.13 | 1.75 |
| WPC135-4S4-V-AA | WP2C135-4S4-V-AA | 1113 (45/7, 54/19) 1192.5 (45/7, 54/19) | 1192.5 (61) 1200 (91,127) 1250 (91,127) 1271 (61) 1300 (91, 127) 1351.5 (61) | 1 | 4.00 | 2.00 | 4.00 | 2.25 | 0.69 | 6.25 | 0.56 | 1.50 | 1.00 | 2.00 |
| WPC151-4N4-V-AA | WP2C151-4N4-V-AA | 1272 (45/7, 54/19) 1351 (45/7, 54/19) | 1400 (91,127) 1431 (61) 1500 (91,127) 1510.5 (61) | 1 | 4.00 | 2.00 | 4.00 | 2.25 | 0.56 | 6.25 | 0.69 | 1.69 | 1.13 | 1.75 |
| WPC151-4S4-V-AA | WP2C151-4S4-V-AA | 1272 (45/7, 54/19) 1351 (45/7, 54/19) | 1400 (91,127) 1431 (61) 1500 (91,127) 1510.5 (61) | 1 | 4.00 | 2.00 | 4.00 | 2.25 | 0.69 | 6.25 | 0.69 | 1.69 | 1.00 | 2.00 |

© 2011, AFL, all rights reserved. PP-3-00536, Revision 2, 12.29.2025
Specifications are subject to change without notice.

# TYPE WPC-N-V-AA, WP2C-N-V-AA (cont.) Welded Terminal Connector

## Ordering Information

| CATALOG NUMBER | | CABLE RANGE | | PAD DETAIL | DIMENSIONS IN INCHES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ACSR | ALUMINUM | | A | B | C | F | H | L | T | W | X | Y |
| WPC170-4N4-V-AA | WP2C170-4N4-V-AA | 1431 (45/7, 54/19) 1510.5 (45/7, 54/19) | 1590 (61) 1600 (127, 169) 1700 (127, 169) | 1 | 4.00 | 2.25 | 4.00 | 2.25 | 0.56 | 6.50 | 0.75 | 1.69 | 1.13 | 1.75 |
| WPC170-4S4-V-AA | WP2C170-4S4-V-AA | 1431 (45/7, 54/19) 1510.5 (45/7, 54/19) | 1590 (61) 1600 (127, 169) 1700 (127, 169) | 1 | 4.00 | 2.25 | 4.00 | 2.25 | 0.69 | 6.50 | 0.75 | 1.69 | 1.00 | 2.00 |
| WPC170-6N4-V-AA | WP2C170-6N4-V-AA | 1431 (45/7, 54/19) 1510.5 (45/7, 54/19) | 1590 (61) 1600 (127, 169) 1700 (127, 169) | 2 | 6.00 | 2.25 | 4.00 | 2.25 | 0.56 | 6.50 | 0.75 | 1.69 | 1.13 | 1.75 |
| WPC190-4N4-V-AA | WP2C190-4N4-V-AA | 1590 (45/7, 54/19) 1780 (84/19) | 1750 (127, 169) 1800 (127, 169) 1900 (127, 169) | 1 | 4.00 | 2.25 | 4.00 | 2.25 | 0.56 | 6.50 | 0.69 | 1.75 | 1.13 | 1.75 |
| WPC190-6N4-V-AA | WP2C190-6N4-V-AA | 1590 (45/7, 54/19) 1780 (84/19) | 1750 (127, 169) 1800 (127, 169) 1900 (127, 169) | 2 | 6.00 | 2.25 | 4.00 | 2.25 | 0.56 | 6.63 | 0.88 | 2.25 | 1.13 | 1.75 |
| WPC190-4S4-V-AA | WP2C190-4S4-V-AA | 1590 (45/7, 54/19) 1780 (84/19) | 1750 (127, 169) 1800 (127, 169) 1900 (127, 169) | 1 | 4.00 | 2.25 | 4.00 | 2.25 | 0.69 | 6.50 | 0.69 | 1.75 | 1.00 | 2.00 |
| WPC225-4N4-V-AA | WP2C225-4N4-V-AA | 2167 (72/7) | 2000 (91, 127, 169) 2250 (91) | 1 | 4.00 | 2.25 | 4.00 | 2.38 | 0.56 | 6.50 | 0.75 | 1.88 | 1.13 | 1.75 |
| WPC225-6N4-V-AA | WP2C225-6N4-V-AA | 2167 (72/7) | 2000 (91, 127, 169) 2250 (91) | 2 | 6.00 | 2.25 | 4.00 | 2.38 | 0.56 | 6.50 | 0.75 | 1.88 | 1.13 | 1.75 |
| WPC225-4S4-V-AA | WP2C225-4S4-V-AA | 2167 (72/7) | 2000 (91, 127, 169) 2250 (91) | 1 | 4.00 | 2.25 | 4.00 | 2.38 | 0.69 | 6.50 | 0.75 | 1.88 | 1.00 | 2.00 |
| WPC240R-4N4-V-AA | WP2C240R-4N4-V-AA | - | 2.40 DIA. | 1 | 4.00 | 2.75 | 4.00 | - | 0.56 | 7.25 | 1.00 | 2.50 | 1.13 | 1.75 |
| WPC240R-4S4-V-AA | WP2C240R-4S4-V-AA | - | 2.40 DIA. | 1 | 4.00 | 2.75 | 4.00 | - | 0.69 | 7.25 | 1.00 | 2.50 | 1.00 | 2.50 |
| WPC250-4N4-V-AA | WP2C250-4N4-V-AA | 2156 (84/19) | 2500 (91, 127, 169) 2493 (ACAR) | 1 | 4.00 | 2.25 | 4.00 | 2.63 | 0.56 | 6.50 | 0.75 | 1.94 | 1.13 | 1.75 |
| WPC250-4S4-V-AA | WP2C250-4S4-V-AA | 2156 (84/19) | 2500 (91, 127, 169) 2493 (ACAR) | 1 | 4.00 | 2.25 | 4.00 | 2.63 | 0.69 | 6.50 | 0.75 | 1.94 | 1.00 | 2.00 |
| WPC300-4N4-V-AA | WP2C300-4N4-V-AA | 2870 | 2750 (91) 3000 (127, 169) | 1 | 4.00 | 2.25 | 4.00 | 3.00 | 0.56 | 6.63 | 0.88 | 2.25 | 1.13 | 1.75 |
| WPC300-4S4-V-AA | WP2C300-4S4-V-AA | - | 2750 (91) 3000 (127, 169) | 1 | 4.00 | 2.25 | 4.00 | - | 0.69 | 6.88 | 0.88 | 2.13 | 1.00 | 2.00 |
| WPC300-6N4-V-AA | WP2C300-6N4-V-AA | 2870 | 2750 (91) 3000 (127,169) | 2 | 6.00 | 2.25 | 4.00 | 3.00 | 0.56 | 6.63 | 0.88 | 2.25 | 1.13 | 1.75 |

© 2011, AFL, all rights reserved. PP-3-00536, Revision 2, 12.29.2025
Specifications are subject to change without notice.

# DOSSERT®

## TYPE WPCA-45-V-AA, WP2CA-45-V-AA

### Welded 45 Degree Cable Terminal

Cable terminal at 45° is designed to be corona free for 345 kV and 500 kV service.



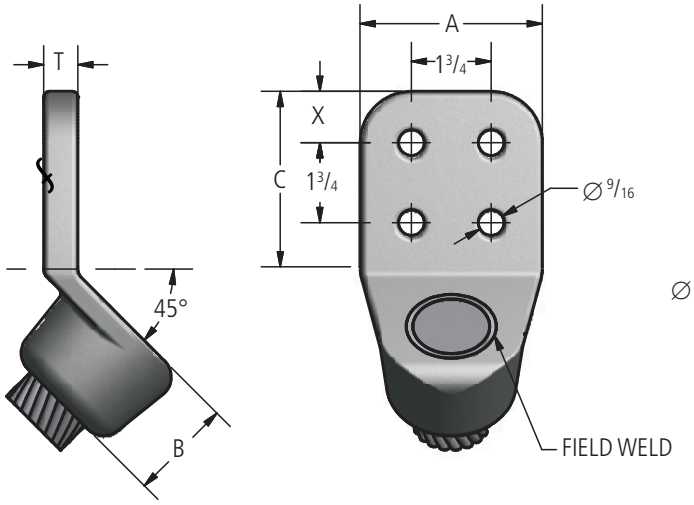
WPCA-45-V-AA



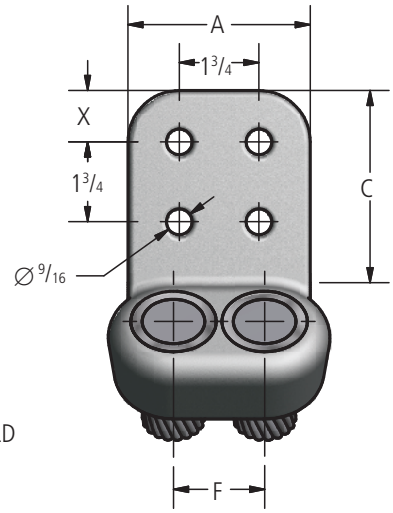
WP2CA-45-V-AA

### Material

Aluminum Alloy




WPCA-45-V-AA




WP2CA-45-V-AA

### Ordering Information

| CATALOG NUMBER | | CABLE RANGE | | DIMENSIONS IN INCHES | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | ALUMINUM | ACSR | A | B | C | F | T | X |
| WPCA65-4N-45-V-AA | WP2CA65-4N-45-V-AA | 600 (37,61,91) 636 (37) 650 (37,61,91) | 556.5 (18/1,24/7,26/7) 636 (36/1, 18/1) | 3 | 1 1/2 | 3 | 1 5/8 | 1/2 | 5/8 |
| WPCA65-4N4-45-V-AA | WP2CA65-4N4-45-V-AA | 600 (37,61,91) 636 (37) 650 (37,61,91) | 556.5 (18/1,24/7,26/7) 636 (36/1, 18/1) | 4 | 1 1/2 | 4 | 1 5/8 | 1/2 | 1 1/8 |
| WPCA71-4N-45-V-AA | WP2CA71-4N-45-V-AA | 650 (37,61,91) 700 (37,61,91) 715.5 (37,61) | 636 (24/7, 26/7) 605 (24/7, 26/7, 30/19) | 3 | 1 1/2 | 3 | 1 5/8 | 1/2 | 5/8 |
| WPCA71-4N4-45-V-AA | WP2CA71-4N4-45-V-AA | 650 (37,61,91) 700 (37,61,91) 715.5 (37,61) | 636 (24/7, 26/7) 605 (24/7, 26/7, 30/19) | 4 | 1 1/2 | 4 | 1 5/8 | 1/2 | 1 1/8 |
| WPCA80-4N-45-V-AA | WP2CA80-4N-45-V-AA | 750 (37,61,91) 795 (37,61) 800 (61,91) | 636 (30/19) 666.6 (24/7, 26/7) 715.5 (24/7) | 3 | 1 1/2 | 3 | 1 5/8 | 1/2 | 5/8 |
| WPCA80-4N4-45-V-AA | WP2CA80-4N4-45-V-AA | 750 (37,61,91) 795 (37,61) 800 (61,91) | 636 (30/19) 666.6 (24/7, 26/7) 715.5 (24/7) | 4 | 1 1/2 | 4 | 1 5/8 | 1/2 | 1 1/8 |
| WPCA90-4N-45-V-AA | WP2CA90-4N-45-V-AA | 800 (61,91) 874.5 (37,61) 900 (37,61,91) | 715.5 (30/19) 795 (36/1, 45/7, 24/7, 54/7) | 3 | 1 1/2 | 3 | 1 5/8 | 1/2 | 5/8 |
| WPCA90-4N4-45-V-AA | WP2CA90-4N4-45-V-AA | 800 (61,91) 874.5 (37,61) 900 (37,61,91) | 715.5 (30/19) 795 (36/1, 45/7, 24/7, 54/7) | 4 | 1 1/2 | 4 | 1 5/8 | 1/2 | 1 1/8 |





© 2011, AFL, all rights reserved. PP-3-00534, Revision 2, 6.22.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE WPCA-45-V-AA, WP2CA-45-V-AA (cont.)

### Welded 45 Degree Cable Terminal

### Ordering Information

| CATALOG NUMBER | | CABLE RANGE | | DIMENSIONS IN INCHES | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | ALUMINUM | ACSR | A | B | C | F | T | X |
| WPCA95-4N-45-V-AA | WP2CA95-4N-45-V-AA | 900 (37,61,91) 954 (37,61) | 795 (30/19) 874.5 (34/7) 900 (45/7, 54/7) | 3 | 1 3/4 | 3 | 1 5/8 | 1/2 | 5/8 |
| WPCA95-4N4-45-V-AA | WP2CA95-4N4-45-V-AA | 900 (37,61,91) 954 (37,61) | 795 (30/19) 874.5 (34/7) 900 (45/7, 54/7) | 4 | 1 3/4 | 4 | 1 5/8 | 1/2 | 1 1/8 |
| WPCA103-4N-45-V-AA | WP2CA103-4N-45-V-AA | 954 (37,61) 1000 (37,61,91) 1033.5 (37,61) | 954 (36/1, 45/7, 54/7) | 3 | 1 3/4 | 3 | 1 3/4 | 1/2 | 5/8 |
| WPCA103-4N4-45-V-AA | WP2CA103-4N4-45-V-AA | 954 (37,61) 1000 (37,61,91) 1033.5 (37,61) | 954 (36/1, 45/7, 54/7) | 4 | 1 3/4 | 4 | 1 3/4 | 1/2 | 1 1/8 |
| WPCA111-4N-45-V-AA | WP2CA111-4N-45-V-AA | 1100 (91,127) 1113 (61) | 1033.5 (36/1, 45/7, 54/7) | 3 | 1 3/4 | 3 | 1 7/8 | 1/2 | 5/8 |
| WPCA111-4N4-45-V-AA | WP2CA111-4N4-45-V-AA | 1100 (91,127) 1113 (61) | 1033.5 (36/1, 45/7, 54/7) | 4 | 1 3/4 | 4 | 1 7/8 | 1/2 | 1 1/8 |
| WPCA135-4N-45-V-AA | WP2CA135-4N-45-V-AA | 1192.5 (61) 1200 (91,127) 1250 (91,127) 1272 (61) 1300 (91,127) 1351.5 (61) | 1113 (45/7, 54/19) 1192.5 (45/7, 54/19) | 3 | 2 | 3 | 2 1/4 | 11/16 | 5/8 |
| WPCA135-4N4-45-V-AA | WP2CA135-4N4-45-V-AA | 1192.5 (61) 1200 (91,127) 1250 (91,127) 1272 (61) 1300 (91,127) 1351.5 (61) | 1113 (45/7, 54/19) 1192.5 (45/7, 54/19) | 4 | 2 | 4 | 2 1/4 | 11/16 | 1 1/8 |
| WPCA151-4N-45-V-AA | WP2CA151-4N-45-V-AA | 1400 (91,127) 1431 (61) 1500 (91,127) 1510.5 (61) | 1272 (45/7, 54/19) 1351.5 (45/7, 54/19) | 3 | 2 | 3 | 2 1/4 | 11/16 | 5/8 |
| WPCA151-4N4-45-V-AA | WP2CA151-4N4-45-V-AA | 1400 (91,127) 1431 (61) 1500 (91,127) 1510.5 (61) | 1272 (45/7, 54/19) 1351.5 (45/7, 54/19) | 4 | 2 | 4 | 2 1/4 | 11/16 | 1 1/8 |
| WPCA170-4N-45-V-AA | WP2CA170-4N-45-V-AA | 1590 (61) 1600 (127, 169) 1700 (127,169) | 1431 (45/7, 54/19) 1510.5 (45/7, 54/19) | 3 | 2 | 3 | 2 1/4 | 11/16 | 5/8 |
| WPCA170-4N4-45-V-AA | WP2CA170-4N4-45-V-AA | 1590 (61) 1600 (127, 169) 1700 (127,169) | 1431 (45/7, 54/19) 1510.5 (45/7, 54/19) | 4 | 2 1/4 | 4 | 2 1/4 | 3/4 | 1 1/8 |
| WPCA190-4N-45-V-AA | WP2CA190-4N-45-V-AA | 1750 (127,169) 1800 (127,169) 1900 (127,169) | 1590 (45/7, 54/19) 1780 (85/19) | 3 | 2 1/4 | 3 | 2 1/4 | 11/16 | 5/8 |
| WPCA190-4N4-45-V-AA | WP2CA190-4N4-45-V-AA | 1750 (127,169) 1800 (127,169) 1900 (127,169) | 1590 (45/7, 54/19) 1780 (85/19) | 4 | 2 1/4 | 4 | 2 1/4 | 11/16 | 1 1/8 |
| WPCA225-4N-45-V-AA | WP2CA225-4N-45-V-AA | 2000 (91,127,169) 2250 (91) | 2167 (72/7) | 3 | 2 1/4 | 3 | 2 1/4 | 3/4 | 5/8 |
| WPCA225-4N4-45-V-AA | WP2CA225-4N4-45-V-AA | 2000 (91,127,169) 2250 (91) | 2167 (72/7) | 4 | 2 1/4 | 4 | 2 1/4 | 3/4 | 1 1/8 |
| WPCA250-4N-45-V-AA | WP2CA250-4N-45-V-AA | 2500 (91,127,169) | 2156 (84,19) | 3 | 2 1/4 | 3 | 2 1/2 | 3/4 | 5/8 |
| WPCA250-4N4-45-V-AA | WP2CA250-4N4-45-V-AA | 2500 (91,127,169) | 2156 (84,19) | 4 | 2 1/4 | 4 | 2 1/2 | 3/4 | 1 1/8 |
| WPCA300-4N-45-V-AA | WP2CA300-4N-45-V-AA | 2750 (91) 3000 (127,169) | - | 3 | 2 1/4 | 3 | 2 3/4 | 7/8 | 5/8 |
| WPCA300-4N4-45-V-AA | WP2CA300-4N4-45-V-AA | 2750 (91) 3000 (127,169) | - | 4 | 2 1/4 | 4 | 2 3/4 | 7/8 | 1 1/8 |



© 2011, AFL, all rights reserved. PP-3-00534, Revision 2, 6.22.18
Specifications are subject to change without notice.

# DOSSERT®
## TYPE 34200E-EHV

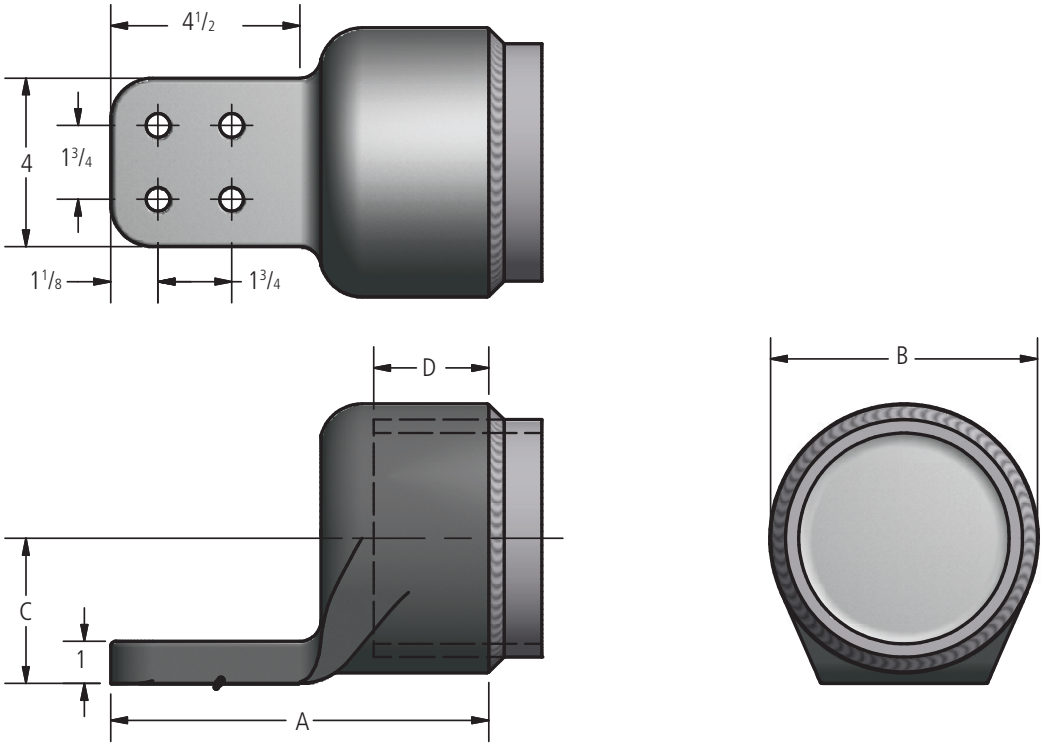
### Terminal Connector, Welded, Offset

Terminal is designed to be corona free for 345 kV and 500 kV service when pad covers are used to shield terminal hardware. Pad covers are not supplied with terminal; see catalog 4040 EHV pad covers on page 514. Aluminum terminal can be connected to aluminum or copper terminals.



### Material

Aluminum Alloy




### Ordering Information

| CATALOG NUMBER | SPS & EPHS | DIMENSIONS IN INCHES | | | |
|---|---|---|---|---|---|
| | | A | B | C | D |
| 34208EEHV | 3 | 7.62 | 4.12 | 2.62 | 1.75 |
| 34209EEHV | 3 1/2 | 8.19 | 4.69 | 2.94 | 2.00 |
| 34210EEHV | 4 | 8.44 | 5.19 | 3.25 | 2.25 |
| 34212EEHV | 5 | 9.00 | 6.38 | 3.44 | 2.75 |
| 34213EEHV | 6 | 9.50 | 7.56 | 4.25 | 3.25 |





© 2011, AFL, all rights reserved. PP-3-00178, Revision 2, 3.28.14
Specifications are subject to change without notice.

# TYPE 34300-EHV Terminal Connector Tube to Flat

Double terminal is designed to be corona free for 345 kV and 500 kV service when pad covers are used to sheild terminal hardware.

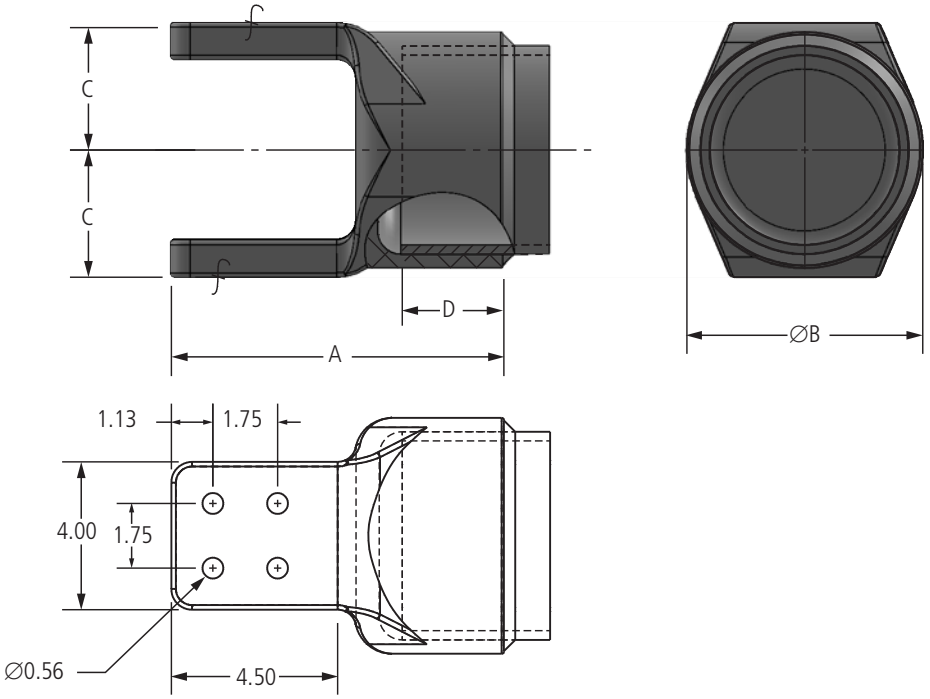


## Material

Aluminum Alloy

## Note

For two Hardware Shields, add "-2CSBV" to catalog number. EX: 34313EEHV-2CSBV




## Ordering Information

| Catalog Number | Conductor Size SCH40 & SCH80 | Dimensions in inches | | | | Nominal Weight in lbs |
|---|---|---|---|---|---|---|
| | | A | B | C | D | |
| 34308EEHV | 3 | 7.62 | 4.12 | 2.62 | 1.75 | 5.20 |
| 34309EEHV | 3 1/2 | 8.19 | 4.69 | 2.94 | 2.00 | 5.90 |
| 34310EEHV | 4 | 8.44 | 5.19 | 3.25 | 2.25 | 6.20 |
| 34312EEHV | 5 | 9.00 | 6.38 | 3.44 | 2.75 | 8.30 |
| 34313EEHV | 6 | 9.50 | 7.56 | 4.25 | 3.25 | 9.50 |
| 34314EEHV | 8 | 10.00 | 9.79 | 4.00 | 3.13 | 18.48 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2011, AFL, all rights reserved. PP-3-00180, Revision 3, 4.1.2026
Specifications are subject to change without notice.

# DOSSERT®
## TYPE APTV-N-V-AA

### Terminal Connector

Expands one NEMA pad to two NEMA pads. Designed for 500 kV service. Useful for connecting twin lines.

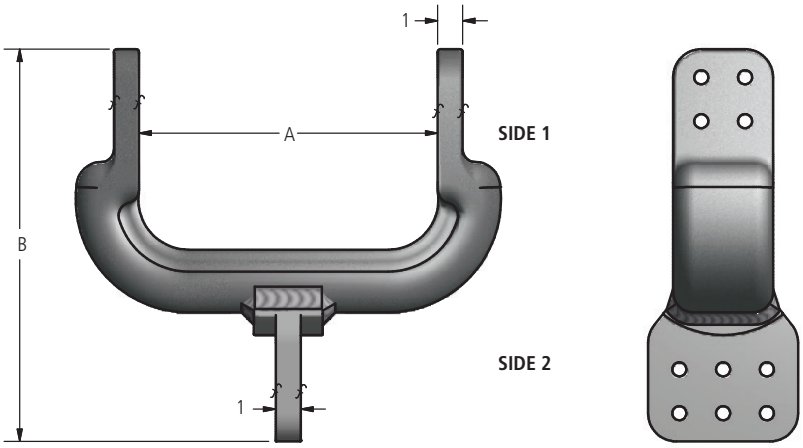


### Material

Aluminum Alloy

### Notes

- For hardware shield, add "-CSBV" to catalog number order: APTV4N4-18-V-AA-CSBV.
- For mounting hardware, add "-TMH" and bolt length to catalog number order: APTV4N4-18-V-AA-TMH2-1/4



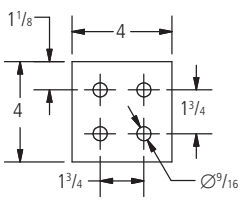




FIG 1

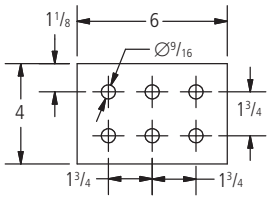



FIG 2

### Ordering Information

| CATALOG NUMBER | FIGURE NUMBER | | DIMENSIONS IN INCHES | |
|---|---|---|---|---|
| | SIDE 1 | SIDE 2 | A | B |
| APTV-4N4-6-V-AA | 1 | 1 | 6 | 15 |
| APTV-4N4-8-V-AA | 1 | 1 | 8 | 15 |
| APTV-4N4-10-V-AA | 1 | 1 | 10 | 15 |
| APTV-4N4-12-V-AA | 1 | 1 | 12 | 15 |
| APTV-4N4-6N4-8-V-AA | 1 | 2 | 8 | 15.66 |
| APTV-4N4-6N4-12-V-AA | 1 | 2 | 12 | 15.63 |
| APTV-4N4-14-V-AA | 1 | 1 | 14 | 15 |
| APTV-4N4-16-V-AA | 1 | 1 | 16 | 15 |
| APTV-4N4-18-V-AA | 1 | 1 | 18 | 15 |





© 2011, AFL, all rights reserved. PP-3-00216, Revision 3, 6.2.18
Specifications are subject to change without notice.

# DOSSERT®
# TYPE APT-V-AA



## Terminal Connector

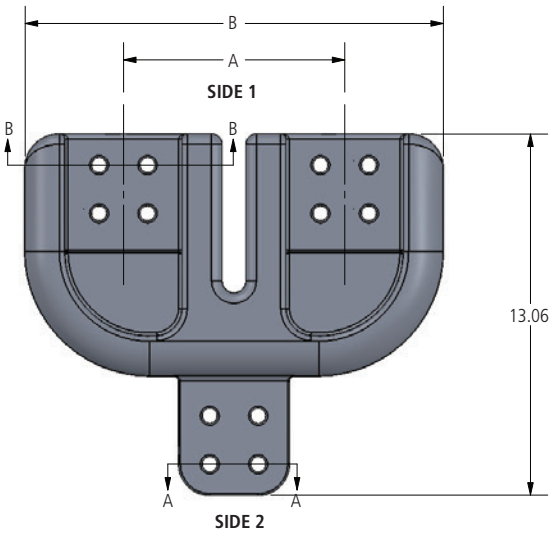
Expands one NEMA pad to two NEMA pads. Designed for 500 kV service. Useful for connecting twin lines.

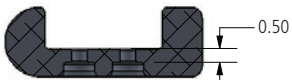
## Material

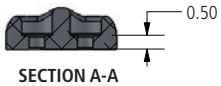
Aluminum Alloy

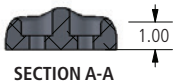
## Notes

- For Mounting Hardware, add "-TMH" to catalog number. EX: APT6N4-18-V-AA-TMH
- For Hardware Shield, add "-CSBV" to catalog number. EX: APT6N4-18-V-AA-CSBV
- For Stainless Steel bolts, lockwashers and Everdur nuts, add "-SSHBN" to catalog number. EX: APT6N4-18-V-AA-SSHBN



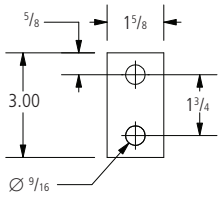




FIG 1

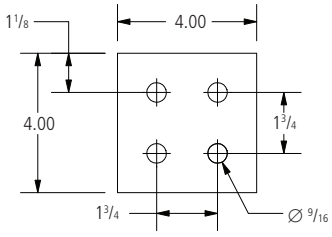



FIG 2

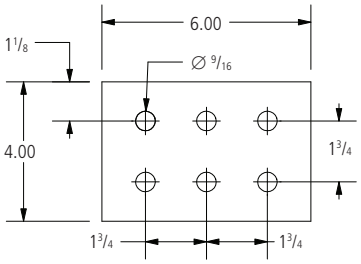



FIG 3

## Ordering Information

| CATALOG NUMBER | FIGURE NUMBER | | SECTION A-A | DIMENSIONS IN INCHES | |
|---|---|---|---|---|---|
| | SIDE 1 | SIDE 2 | | A | B |
| APT2N4-8-V-AA | 1 | 2 | — | 8.00 | 15.13 |
| APT4N4-8-V-AA | 2 | 2 | — | 8.00 | 15.13 |
| APT4N4-12-V-AA | 2 | 2 | — | 12.00 | 19.13 |
| APT4N4-18-V-AA | 2 | 2 | — | 18.00 | 25.13 |
| APT4N4-6N4-8-V-AA | 2 | 3 | ALTERNATE | 8.00 | 15.13 |
| APT4N4-6N4-12-V-AA | 2 | 3 | — | 12.00 | 19.13 |
| APT4N4-6N4-18-V-AA | 2 | 3 | ALTERNATE | 18.00 | 25.13 |
| APT6N4-18-V-AA | 3 | 3 | — | 18.00 | 27.13 |





© 2011, AFL, all rights reserved. PP-3-00215, Revision 3, 6.28.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE TWTCC-N-8-V-AA

### Three-Way Terminal Connector

Connects one four-hole or six-hole terminal to three four-hole terminals. 3600 amps at 30° rise over 40° ambient; 3848 amps at 40° rise over 40° ambient; 4082 amps at 50° rise over 40° ambient. Designed for 500 kV service.

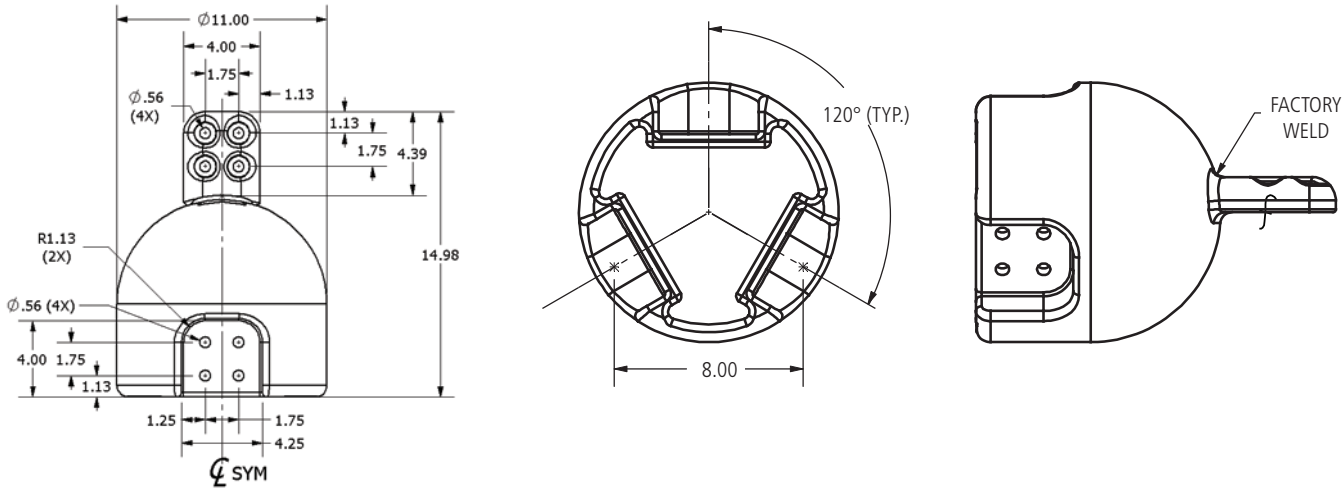


### Material

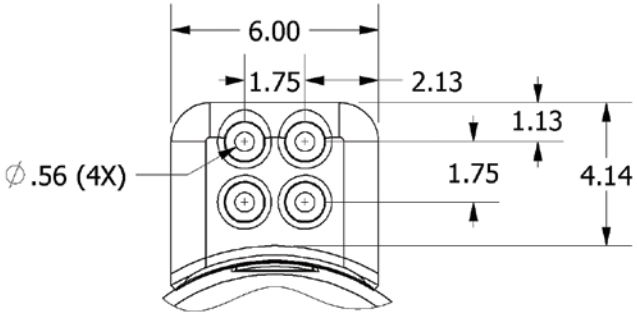
Aluminum Alloy

### Ordering Information

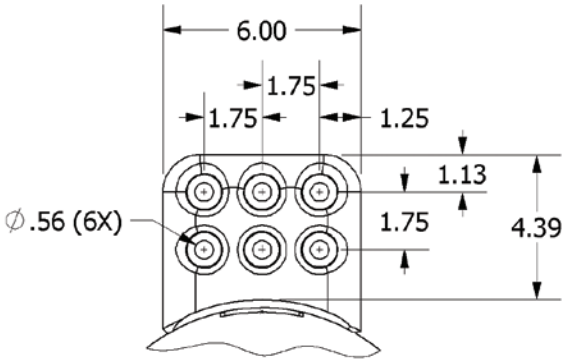
Customer to order by catalog number **TWTCC4N4-8-V-AA, TWTCC4N6-8-V-AA, or TWTCC6N4-8-V-AA.**




**TWTCC4N4-8-V-AA**




**TWTCC4N6-8-V-AA**




**TWTCC6N4-8-V-AA**





© 2011, AFL, all rights reserved. PP-3-00485, Revision 2, 4.16.19
Specifications are subject to change without notice.

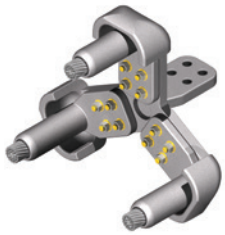
# DOSSERT®

## TYPE 34994E-EHV, 34995E-EHV

Bi-conductor and tri-conductor terminal is designed to be corona free for 345 kV and 500 kV service. Aluminum terminal can be connected to aluminum or copper terminals; pad conforms to NEMA standards. Bi-conductor and tri-conductor terminal is furnished as a complete assembly consisting of Bi-conductor and Tri-conductor terminals, two 90° EHV compression terminals and necessary aluminum hardware. Weights shown do not include compression terminals.



**34994E-EHV**



**34995E-EHV**

### Material

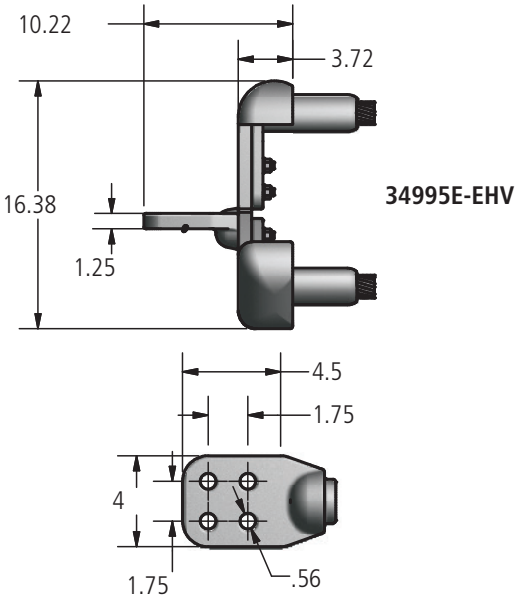
Aluminum Alloy

### Hardware

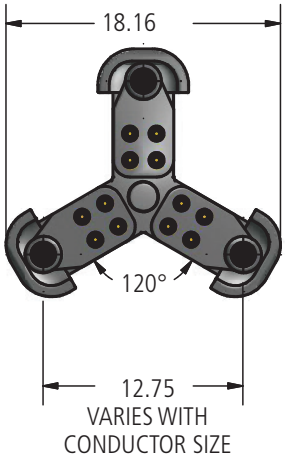
Yellow anodized aluminum nuts, bolts, and lockwashers.

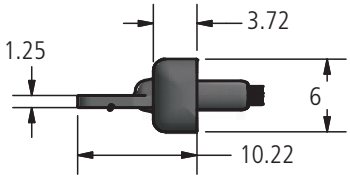
### Notes

For conductor adapters without terminals, do not include Die Size or Bore Code in part number. Example: for a Tri-conductor adapter to E pad, order: 34995EEHV.

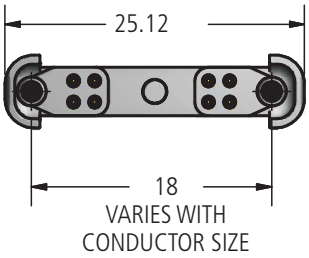



**34995E-EHV**




**34995E-EHV**





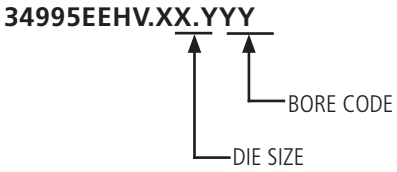

© 2011, AFL, all rights reserved. PP-3-00189, Revision 2, 3.16.2021
Specifications are subject to change without notice.

# DOSSERT®

## TYPE 34994E-EHV, 34995E-EHV

### Ordering Information

| CATALOG NUMBER | NOMINAL WEIGHT |
|---|---|
| | LBS |
| 34994EEHV.XX.YYY | 13.8 |
| 34995EEHV.XX.YYY | 16.0 |




| CODE | CONDUCTOR | | | | DIE SIZE ALUMINUM HEX DIE |
|---|---|---|---|---|---|
| | ACSR OR AAC | SIZE KCMIL | STRANDING AL/ST | DIAMETER IN INCHES | |
| 30.109 | ACSR | 715.5 | 24/7 | 1.036 | 30AH |
| | ACSR | 715.5 | 26/7 | 1.051 | |
| | ACSR | 795 | 36/1 | 1.040 | |
| | AAC | 795 | 37 | 1.026 | |
| | AAC | 795 | 61 | 1.028 | |
| | AAC | 800 | 37 | 1.031 | |
| | AAC | 800 | 61 | 1.031 | |
| 30.116 | ACSR | 715.5 | 30/19 | 1.081 | 30AH |
| | ACSR | 795 | 45/7 | 1.063 | |
| | ACSR | 795 | 54/7 | 1.093 | |
| | ACSR | 795 | 26/7 | 1.108 | |
| | ACSR | 795 | 24/7 | 1.092 | |
| | AAC | 900 | 61 | 1.094 | |
| 30.122 | ACSR | 795 | 30/19 | 1.140 | 30AH |
| | ACSR | 900 | 45/7 | 1.131 | |
| | ACSR | 900 | 54/7 | 1.162 | |
| | ACSR | 954 | 36/1 | 1.140 | |
| | ACSR | 954 | 45/7 | 1.165 | |
| | AAC | 954 | 37 | 1.124 | |
| | AAC | 954 | 61 | 1.126 | |
| | AAC | 1000 | 61 | 1.152 | |
| | AAC | 1033.5 | 37 | 1.170 | |
| | AAC | 1033.5 | 61 | 1.172 | |
| 30.125 | ACSR | 954 | 54/7 | 1.196 | 30AH |
| | ACSR | 1033.5 | 36/1 | 1.186 | |
| 34.128 | ACSR | 1033.5 | 45/7 | 1.212 | 34AH |
| | AAC | 1113 | 61 | 1.216 | |
| 34.134 | ACSR | 1033.5 | 54/7 | 1.244 | 34AH |
| | ACSR | 1113 | 45/7 | 1.259 | |
| | AAC | 1192.5 | 61 | 1.258 | |
| | AAC | 1272 | 61 | 1.300 | |
| 34.138 | ACSR | 1192.5 | 45/7 | 1.302 | 34AH |
| | ACSR | 1113 | 54/19 | 1.293 | |



© 2011, AFL, all rights reserved. PP-3-00189, Revision 2, 3.16.2021
Specifications are subject to change without notice.

# DOSSERT®

## TYPE 34994E-EHV, 34995E-EHV

| CODE | CONDUCTOR | | | | DIE SIZE ALUMINUM HEX DIE |
|---|---|---|---|---|---|
| | ACSR OR AAC | SIZE KCMIL | STRANDING AL/ST | DIAMETER IN INCHES | |
| 36.144 | ACSR | 1272 | 45/7 | 1.345 | 36AH |
| | ACSR | 1192.5 | 54/19 | 1.333 | |
| | AAC | 1351 | 61 | 1.340 | |
| | AAC | 1431 | 61 | 1.379 | |
| 36.147 | ACSR | 1272 | 54/19 | 1.382 | 36AH |
| | ACSR | 1351.5 | 45/7 | 1.386 | |
| | ACSR | 1500 | 91 | 1.412 | |
| | AAC | 1510.5 | 61 | 1.187 | |
| 38.150 | ACSR | 1351.5 | 54/19 | 1.424 | 38AH |
| | ACSR | 1431 | 45/7 | 1.427 | |
| 38.156 | ACSR | 1431 | 54/19 | 1.465 | 38AH |
| | ACSR | 1510.5 | 45/7 | 1.466 | |
| | AAC | 1590 | 61 | 1.250 | |
| | AAC | 1590 | 91 | 1.454 | |
| 40.162 | ACSR | 1510.5 | 54/19 | 1.506 | 40AH |
| | ACSR | 1590 | 45/7 | 1.504 | |
| | ACSR | 1590 | 54/19 | 1.545 | |
| | AAC | 1750 | 61 | 1.525 | |
| 42.178 | ACSR | 1780 | 84/19 | 1.602 | 42AH |
| | ACSR | 2034 | 72/7 | 1.681 | |
| | AAC | 2000 | 91 | 1.630 | |
| 44.181 | ACSR | 2167 | 72/7 | 1.737 | 44AH |
| | AAC | 2250 | 91 | 1.729 | |
| | AAC | 2300 | 61 | 1.750 | |
| | AAC | 2300 | 91 | 1.750 | |
| 44.184 | ACSR | 2156 | 84/19 | 1.762 | 44AH |
| 44.188 | ACSR | 2312 | 76/19 | 1.802 | 44AH |
| | AAC | 2500 | 91 | 1.823 | |
| 48.197 | ACSR | 2515 | 76/19 | 1.880 | 48AH |
| | AAC | 2750 | 91 | 1.912 | |



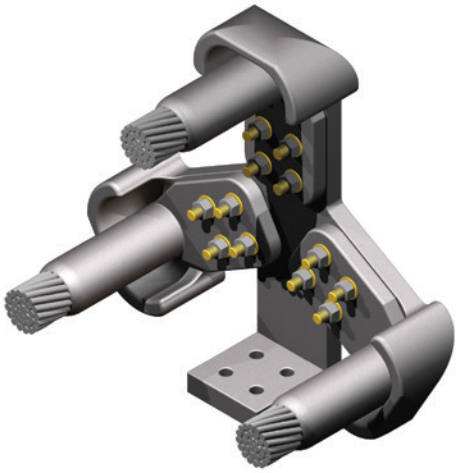
© 2011, AFL, all rights reserved. PP-3-00189, Revision 2, 3.16.2021
Specifications are subject to change without notice.

# DOSSERT®

## TYPE 34999E-EHV

### Compression Terminal Connector (Three Cables to Flat)

Tri-conductor terminal is designed to be corona free for 345 kV and 500 kV service. Aluminum terminal can be connected to aluminum or copper terminals, pad conforms to NEMA standards. Tri-conductor terminal is furnished as complete assembly consisting of tri-conductor terminal, three 90° EHV compression terminals and necessary aluminum hardware. Complete assembly is ordered by specifying catalog number and size of stranded conductor.



### Material

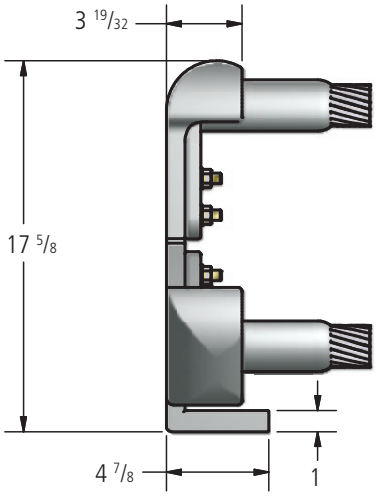
Aluminum Alloy

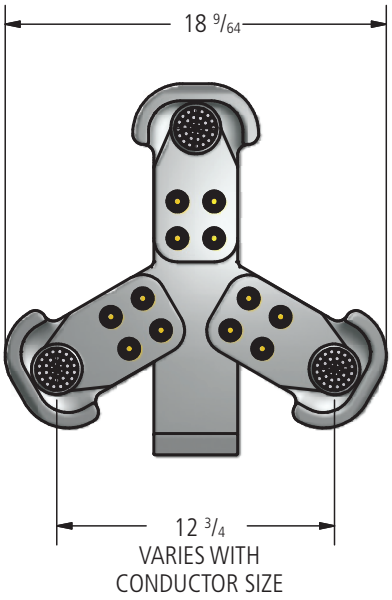
### Hardware

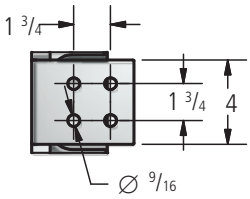
Yellow anodized aluminum nuts, bolts, and lockwashers.

### Notes

For conductor adapters without terminals, do not include Die Size or Bore Code in part number. Example: for a Tri-conductor adapter to E pad, ORDER: 34995EEHV.




### Ordering Information

| CATALOG NUMBER | NOMINAL WEIGHT |
|---|---|
| | LBS |
| 34999E-EHV-XX-YYY | 16 |

**34999EEHV.XX.YYY**

- YYY — BORE CODE
- XX — DIE SIZE



© 2011, AFL, all rights reserved. PP-3-00191, Revision 2, 3.17.2021
Specifications are subject to change without notice.

# DOSSERT®

## TYPE 34999E-EHV

### Compression Terminal Connector (Three Cables to Flat)

| CODE | CONDUCTOR | | | | DIE SIZE ALUMINUM HEX DIE |
|---|---|---|---|---|---|
| | ACSR OR AAC | SIZE KCMIL | STRANDING AL/ST | DIAMETER IN INCHES | |
| 30.109 | ACSR | 715.5 | 24/7 | 1.036 | 30AH |
| | ACSR | 715.5 | 26/7 | 1.051 | |
| | ACSR | 795 | 36/1 | 1.040 | |
| | AAC | 795 | 37 | 1.026 | |
| | AAC | 795 | 61 | 1.028 | |
| | AAC | 800 | 37 | 1.031 | |
| | AAC | 800 | 61 | 1.031 | |
| 30.116 | ACSR | 715.5 | 30/19 | 1.081 | 30AH |
| | ACSR | 795 | 45/7 | 1.063 | |
| | ACSR | 795 | 54/7 | 1.093 | |
| | ACSR | 795 | 26/7 | 1.108 | |
| | ACSR | 795 | 24/7 | 1.092 | |
| | AAC | 900 | 61 | 1.094 | |
| 30.122 | ACSR | 795 | 30/19 | 1.140 | 30AH |
| | ACSR | 900 | 45/7 | 1.131 | |
| | ACSR | 900 | 54/7 | 1.162 | |
| | ACSR | 954 | 36/1 | 1.140 | |
| | ACSR | 954 | 45/7 | 1.165 | |
| | AAC | 954 | 37 | 1.124 | |
| | AAC | 954 | 61 | 1.126 | |
| | AAC | 1000 | 61 | 1.152 | |
| | AAC | 1033.5 | 37 | 1.170 | |
| | AAC | 1033.5 | 61 | 1.172 | |
| 30.125 | ACSR | 954 | 54/7 | 1.196 | 30AH |
| | ACSR | 1033.5 | 36/1 | 1.186 | |
| 34.128 | ACSR | 1033.5 | 45/7 | 1.212 | 34AH |
| | AAC | 1113 | 61 | 1.216 | |
| 34.134 | ACSR | 1033.5 | 54/7 | 1.244 | 34AH |
| | ACSR | 1113 | 45/7 | 1.259 | |
| | AAC | 1192.5 | 61 | 1.258 | |
| | AAC | 1272 | 61 | 1.300 | |
| 34.138 | ACSR | 1192.5 | 45/7 | 1.302 | 34AH |
| | ACSR | 1113 | 54/19 | 1.293 | |
| 36.144 | ACSR | 1272 | 45/7 | 1.345 | 36AH |
| | ACSR | 1192.5 | 54/19 | 1.333 | |
| | AAC | 1351 | 61 | 1.340 | |
| | AAC | 1431 | 61 | 1.379 | |



© 2011, AFL, all rights reserved. PP-3-00191, Revision 2, 3.17.2021
Specifications are subject to change without notice.

# DOSSERT®

## TYPE 34999E-EHV

### Compression Terminal Connector (Three Cables to Flat)

| CODE | CONDUCTOR | | | | DIE SIZE ALUMINUM HEX DIE |
|---|---|---|---|---|---|
| | ACSR OR AAC | SIZE KCMIL | STRANDING AL/ST | DIAMETER IN INCHES | |
| 36.147 | ACSR | 1272 | 54/19 | 1.382 | 36AH |
| | ACSR | 1351.5 | 45/7 | 1.386 | |
| | ACSR | 1500 | 91 | 1.412 | |
| | AAC | 1510.5 | 61 | 1.187 | |
| 38.150 | ACSR | 1351.5 | 54/19 | 1.424 | 38AH |
| | ACSR | 1431 | 45/7 | 1.427 | |
| 38.156 | ACSR | 1431 | 54/19 | 1.465 | 38AH |
| | ACSR | 1510.5 | 45/7 | 1.466 | |
| | AAC | 1590 | 61 | 1.250 | |
| | AAC | 1590 | 91 | 1.454 | |
| 40.162 | ACSR | 1510.5 | 54/19 | 1.506 | 40AH |
| | ACSR | 1590 | 45/7 | 1.504 | |
| | ACSR | 1590 | 54/19 | 1.545 | |
| | AAC | 1750 | 61 | 1.525 | |
| 42.178 | ACSR | 1780 | 84/19 | 1.602 | 42AH |
| | ACSR | 2034 | 72/7 | 1.681 | |
| | AAC | 2000 | 91 | 1.630 | |
| 44.181 | ACSR | 2167 | 72/7 | 1.737 | 44AH |
| | AAC | 2250 | 91 | 1.729 | |
| | AAC | 2300 | 61 | 1.750 | |
| | AAC | 2300 | 91 | 1.750 | |
| 44.184 | ACSR | 2156 | 84/19 | 1.762 | 44AH |
| 44.188 | ACSR | 2312 | 76/19 | 1.802 | 44AH |
| | AAC | 2500 | 91 | 1.823 | |
| 48.197 | ACSR | 2515 | 76/19 | 1.880 | 48AH |
| | AAC | 2750 | 91 | 1.912 | |



© 2011, AFL, all rights reserved. PP-3-00191, Revision 2, 3.17.2021
Specifications are subject to change without notice.

# DOSSERT®

## TYPE 33900, 34000

### Rope Lay Expansion Terminal

Expansion terminal is designed to be corona free for 500 kV service. Aluminum terminal can be connected to aluminum or copper terminals. Terminal pad conforms to NEMA standards. Rope lay expansion member provides for 1.75" of expansion or contraction. Dimension "B" shown in table includes 2.25", "D" Dimension noted in general information section.



**33900E-EHV**

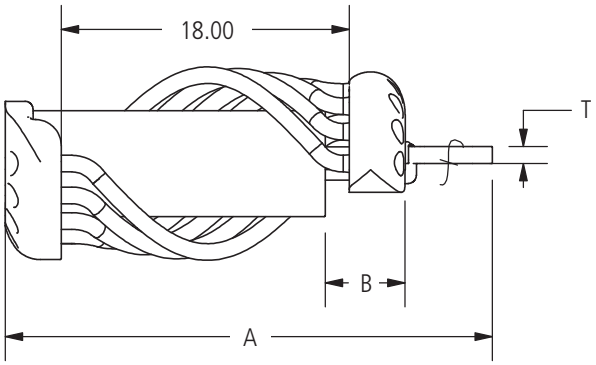
### Material

Aluminum Alloy



**34000E-EHV**

**34000 SERIES**
**CENTER FORMED TERMINAL**



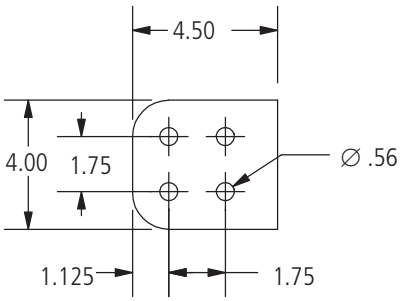




FIG. 1

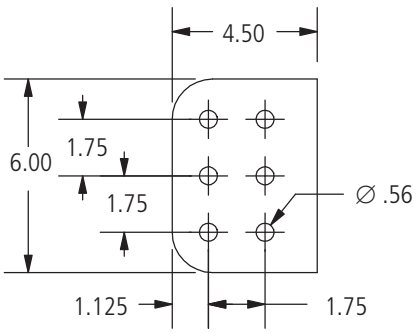



FIG. 2

**33900 SERIES**
**OFFSET TERMINAL**

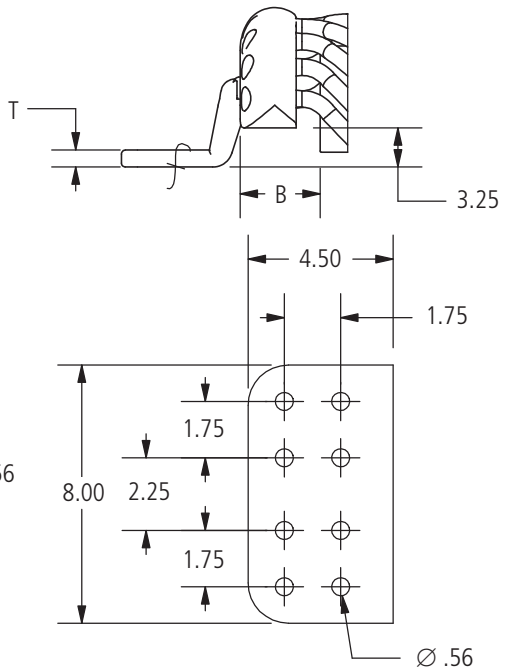



FIG. 3





© 2011, AFL, all rights reserved. PP-3-00175, Revision 1, 6.8.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE 33900, 34000 INLINE

### Ordering Information

| CATALOG NUMBER | | CONDUCTOR SIZE | DIMENSIONS IN INCHES | | | FIG. NO. | NOMINAL WEIGHT IN LBS | |
|---|---|---|---|---|---|---|---|---|
| OFFSET TERMINAL | CENTER FORM TERMINAL | | A | B | T | | OFFSET TERMINAL | CENTER FORM TERMINAL |
| - | 34008EEHV | 3 SPS | 30.59 | 3.75 | 1.00 | 1 | - | 26.1 |
| - | 34028EEHV | 3 EHPS | 30.59 | 3.75 | 1.00 | 1 | - | 26.0 |
| - | 34009EEHV | 3 1/2 SPS | 31.25 | 3.75 | 1.00 | 1 | - | 26.6 |
| - | 34029EEHV | 3 1/2 EHPS | 31.25 | 3.75 | 1.00 | 1 | - | 26.5 |
| 33910EEHV | 34010EEHV | 4 SPS | 31.06 | 3.75 | 1.00 | 1 | 28.2 | 27.5 |
| | 34010GEHV | 4 SPS | 31.06 | 3.75 | 1.00 | 2 | - | 28.4 |
| 33930EEHV | 34030EEHV | 4 EHPS | 31.06 | 3.75 | 1.00 | 1 | 28.1 | 27.4 |
| 33912EEHV | 34012EEHV | 5 SPS | 31.06 | 3.75 | 1.00 | 1 | 26.3 | 26.6 |
| 33912GEHV | 34012GEHV | 5 SPS | 31.06 | 3.75 | 1.00 | 2 | 26.3 | 26.6 |
| 33932EEHV | 34032EEHV | 5 EHPS | 31.06 | 3.75 | 1.00 | 1 | 27.9 | 26.8 |
| | 34032GEHV | 5 EHPS | 31.97 | 3.75 | 1.13 | 2 | - | 28.5 |
| - | 34013EEHV | 6 SPS | 30.81 | 4.00 | 1.00 | 1 | - | 36.2 |
| - | 34013GEHV | 6 SPS | 30.81 | 4.00 | 1.13 | 2 | - | 39.7 |
| - | 34033EEHV | 6 EHPS | 32.09 | 4.00 | 1.00 | 1 | - | 36.1 |
| - | 34033-8N4-EHV | 6 EHPS | 30.81 | 4.00 | 1.00 | 3 | - | 37.2 |





© 2011, AFL, all rights reserved. PP-3-00175, Revision 1, 6.8.18
Specifications are subject to change without notice.

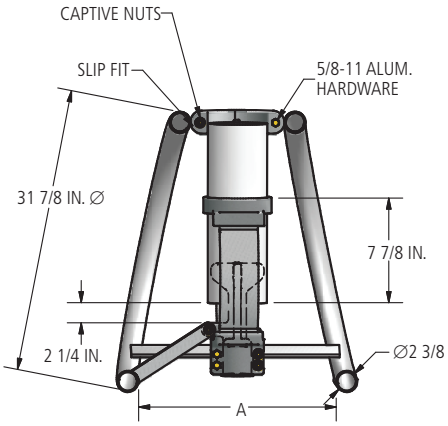
# DOSSERT®
## TYPE 38900-EHV

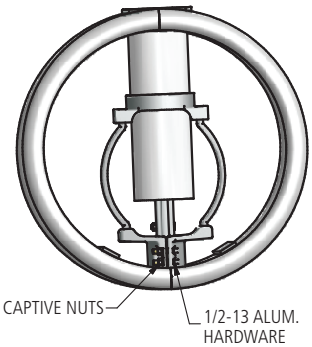


Expansion stud connector is designed to be corona free for 345 kV and 500 kV service. Laminated straps provide for 1.75" (44.5mm) expansion or contraction. Stainless steel static elimiator springs are supplied for slip fit end of corona ring assembly. Dimension "D" shown in illustration is for installation temperature of 68°F (20°C); for other installation temperatures, see Index/General Info section.

### Material
Aluminum Alloy

### Hardware
Yellow anodized aluminum nuts, bolts, and lockwashers.




### Ordering Information

| CONDUCTOR SIZE | STUD SIZE | | CATALOG NUMBERS | | DIMENSIONS IN INCHES A | | NOMINAL WEIGHT |
|---|---|---|---|---|---|---|---|
| | DIAMETER IN INCHES | THREADS PER INCH | 17" DIA. DOME | 22" DIA. DOME | 17" DIA. DOME | 22" DIA. DOME | |
| 3 SPS | 1 1/8 | 12 | 38908.11 EHV | 38928.11 EHV | 18.62 | 22.12 | 36.2 |
| 3 1/2 SPS | 1 1/8 | 12 | 38909.11 EHV | 38929.11 EHV | 18.62 | 22.12 | 37.2 |
| 4 SPS | 1 1/8 | 12 | 38910.11 EHV | 38930.11 EHV | 18.62 | 22.12 | 41.9 |
| 3 SPS | 1 1/2 | 12 | 38908.14 EHV | 38928.14 EHV | 18.62 | 22.12 | 38.2 |
| 3 1/2 SPS | 1 1/2 | 12 | 38909.14 EHV | 38929.14 EHV | 18.62 | 22.12 | 39.2 |
| 4 SPS | 1 1/2 | 12 | 38910.14 EHV | 38930.14 EHV | 18.62 | 22.12 | 43.9 |
| 5 SPS | 1 1/2 | 12 | 38912.14 EHV | 38932.14 EHV | 18.62 | 22.12 | 48.1 |
| 4 SPS | 2 | 12 | 38910.20 EHV | 38930.20 EHV | 18.62 | 22.12 | 46.1 |
| 4 EHPS | 2 | 12 | 38920.20 EHV | 38940.20 EHV | 18.62 | 22.12 | 46.0 |
| 5 SPS | 2 | 12 | 38912.20 EHV | 38932.20 EHV | 18.62 | 22.12 | 50.3 |
| 5 EHPS | 2 | 12 | 38922.20 EHV | 38942.20 EHV | 18.62 | 22.12 | 50.2 |
| 6 SPS | 2 | 12 | 38913.20 EHV | 38933.20 EHV | 18.62 | 22.12 | 55.4 |
| 6 EHPS | 2 | 12 | 38923.20 EHV | 38943.20 EHV | 18.62 | 22.12 | 55.3 |
| 4 SPS | 2 1/2 | 12 | 38910.24 EHV | 38930.24 EHV | 18.62 | 22.12 | 47.2 |
| 4 EHPS | 2 1/2 | 12 | 38920.24 EHV | 38940.24 EHV | 18.62 | 22.12 | 47.1 |
| 5 SPS | 2 1/2 | 12 | 38912.24 EHV | 38932.24 EHV | 18.62 | 22.12 | 51.4 |
| 5 EHPS | 2 1/2 | 12 | 38922.24 EHV | 38942.24 EHV | 18.62 | 22.12 | 51.3 |
| 6 SPS | 2 1/2 | 12 | 38913.24 EHV | 38933.24 EHV | 18.62 | 22.12 | 56.5 |
| 6 EHPS | 2 1/2 | 12 | 38923.24 EHV | 38943.24 EHV | 18.62 | 22.12 | 56.4 |





© 2011, AFL, all rights reserved. PP-3-00200, Revision 0, 3.9.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE WEPI-AA, WEPI-30-AA, WEPI-45-AA, WEPI-60-AA

### Aluminum Welded Pipe Elbow

Welded elbows offer an economical method for field fabrication where angular turns are required. Designed for 500 kV service. Elbows are designed with chamfer to provide ease of welding.



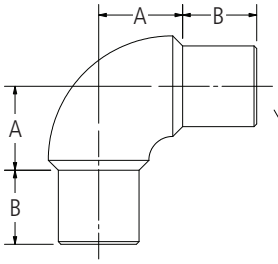
WEPI-AA

### Material

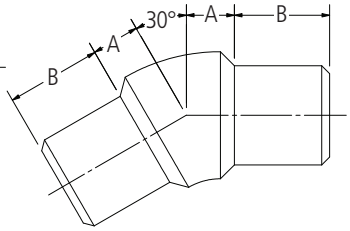
Aluminum Alloy

### Notes

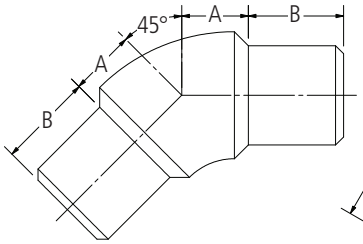
- For a 30°, add '-30'; for a 45°, add '-45'; and for a 60°, add '-60' to catalog number. Ex: WEPI75-45-AA
- For Schedule 80, add 'E' to pipe size. Ex: WEPI75E-AA



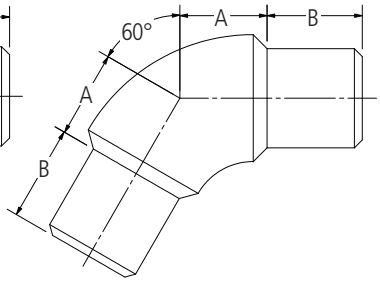

WEPI-AA




WEPI-30-AA




WEPI-45-AA




WEPI-60-AA

### Ordering Information

| S.P.S. | CATALOG NO. SCHEDULE 40 | ANGLE | DIMENSION IN INCHES A | DIMENSION IN INCHES B | E.H.P.S. | CATALOG NO. SCHEDULE 80 | ANGLE | DIMENSION IN INCHES A | DIMENSION IN INCHES B |
|---|---|---|---|---|---|---|---|---|---|
| 3/4 | WEPI75-AA | 90° | 1.11 | 0.75 | 3/4 | WEPI75E-AA | 90° | 1.00 | 0.75 |
| 3/4 | WEPI75-30-AA | 30° | 0.38 | 0.75 | — | — | — | — | — |
| 3/4 | WEPI75-45-AA | 45° | 0.52 | 0.75 | 3/4 | WEPI75E-45-AA | 45° | 0.56 | 0.75 |
| 3/4 | WEPI75-60-AA | 60° | 0.69 | 0.75 | — | — | — | — | — |
| 1 | WEPI100-AA | 90° | 1.19 | 0.75 | 1 | WEPI100E-AA | 90° | 1.23 | 0.75 |
| 1 | WEPI100-30-AA | 30° | 0.44 | 0.75 | 1 | WEPI100E-30-AA | 30° | 0.48 | 0.75 |
| 1 | WEPI100-45-AA | 45° | 0.58 | 0.75 | 1 | WEPI100E-45-AA | 45° | 0.63 | 0.75 |
| 1 | WEPI100-60-AA | 60° | 0.75 | 0.75 | 1 | WEPI100E-60-AA | 60° | 0.80 | 0.75 |
| 1 1/4 | WEPI125-AA | 90° | 1.38 | 1.00 | 1 1/4 | WEPI125E-AA | 90° | 1.42 | 1.00 |
| 1 1/4 | WEPI125-30-AA | 30° | 0.50 | 1.00 | 1 1/4 | WEPI125E-30-AA | 30° | 0.56 | 1.00 |
| 1 1/4 | WEPI125-45-AA | 45° | 0.68 | 1.00 | 1 1/4 | WEPI125E-45-AA | 45° | 0.73 | 1.00 |
| 1 1/4 | WEPI125-60-AA | 60° | 0.87 | 1.00 | 1 1/4 | WEPI125E-60-AA | 60° | 0.92 | 1.00 |
| 1 1/2 | WEPI150-AA | 90° | 1.57 | 1.00 | 1 1/2 | WEPI150E-AA | 90° | 1.63 | 1.00 |
| 1 1/2 | WEPI150-30-AA | 30° | 0.56 | 1.00 | 1 1/2 | WEPI150E-30-AA | 30° | 0.63 | 1.00 |
| 1 1/2 | WEPI150-45-AA | 45° | 0.76 | 1.00 | 1 1/2 | WEPI150E-45-AA | 45° | 0.83 | 1.00 |
| 1 1/2 | WEPI150-60-AA | 60° | 0.99 | 1.00 | 1 1/2 | WEPI150E-60-AA | 60° | 1.05 | 1.00 |





© 2011, AFL, all rights reserved. PP-3-00524, Revision 3, 9.5.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE WEPI-AA, WEPI-30-AA, WEPI-45-AA, WEPI-60-AA

### Aluminum Welded Pipe Elbow

### Ordering Information

| S.P.S. | CATALOG NO. | ANGLE | DIMENSION IN INCHES | | E.H.P.S. | CATALOG NO. | ANGLE | DIMENSION IN INCHES | |
|---|---|---|---|---|---|---|---|---|---|
| | SCHEDULE 40 | | A | B | | SCHEDULE 80 | | A | B |
| 2 | WEPI200-AA | 90° | 1.92 | 1.75 | 2 | WEPI200E-AA | 90° | 1.98 | 1.75 |
| 2 | WEPI200-30-AA | 30° | 0.64 | 1.75 | 2 | WEPI200E-30-AA | 30° | 0.70 | 1.75 |
| 2 | WEPI200-45-AA | 45° | 0.89 | 1.75 | 2 | WEPI200E-45-AA | 45° | 0.96 | 1.75 |
| 2 | WEPI200-60-AA | 60° | 1.17 | 1.75 | 2 | WEPI200E-60-AA | 60° | 1.24 | 1.75 |
| 2 1/2 | WEPI250-AA | 90° | 2.51 | 1.75 | 2 1/2 | WEPI250E-AA | 90° | 2.54 | 1.75 |
| 2 1/2 | WEPI250-30-AA | 30° | 0.78 | 1.75 | 2 1/2 | WEPI250E-30-AA | 30° | 0.84 | 1.75 |
| 2 1/2 | WEPI250-45-AA | 45° | 1.08 | 1.75 | 2 1/2 | WEPI250E-45-AA | 45° | 1.14 | 1.75 |
| 2 1/2 | WEPI250-60-AA | 60° | 1.42 | 1.75 | 2 1/2 | WEPI250E-60-AA | 60° | 1.46 | 1.75 |
| 3 | WEPI300-AA | 90° | 2.52 | 1.75 | 3 | WEPI300E-AA | 90° | 2.56 | 1.75 |
| 3 | WEPI300-30-AA | 30° | 0.89 | 1.75 | 3 | WEPI300E-30-AA | 30° | 0.96 | 1.75 |
| 3 | WEPI300-45-AA | 45° | 1.23 | 1.75 | 3 | WEPI300E-45-AA | 45° | 1.31 | 1.75 |
| 3 | WEPI300-60-AA | 60° | 1.52 | 1.75 | 3 | WEPI300E-60-AA | 60° | 1.56 | 1.75 |
| 3 1/2 | WEPI350-AA | 90° | 2.87 | 1.75 | 3 1/2 | WEPI350E-AA | 90° | 2.96 | 1.75 |
| 3 1/2 | WEPI350-30-AA | 30° | 0.95 | 1.75 | 3 1/2 | WEPI350E-30-AA | 30° | 1.04 | 1.75 |
| 3 1/2 | WEPI350-45-AA | 45° | 1.33 | 1.75 | 3 1/2 | WEPI350E-45-AA | 45° | 1.42 | 1.75 |
| 3 1/2 | WEPI350-60-AA | 60° | 1.76 | 1.75 | 3 1/2 | WEPI350E-60-AA | 60° | 1.85 | 1.75 |
| 4 | WEPI400-AA | 90° | 3.02 | 2.06 | 4 | WEPI400E-AA | 90° | 3.08 | 2.06 |
| 4 | WEPI400-30-AA | 30° | 1.12 | 2.00 | 4 | WEPI400E-30-AA | 30° | 1.23 | 2.00 |
| 4 | WEPI400-45-AA | 45° | 1.60 | 2.00 | 4 | WEPI400E-45-AA | 45° | 1.70 | 2.00 |
| 4 | WEPI400-60-AA | 60° | 1.81 | 2.06 | 4 | WEPI400E-60-AA | 60° | 1.87 | 2.06 |
| 5 | WEPI500-AA | 90° | 3.82 | 2.44 | 5 | WEPI500E-AA | 90° | 3.94 | 2.44 |
| 5 | WEPI500-30-AA | 30° | 1.24 | 2.44 | 5 | WEPI500E-30-AA | 30° | 1.35 | 2.44 |
| 5 | WEPI500-45-AA | 45° | 1.75 | 2.44 | 5 | WEPI500E-45-AA | 45° | 1.87 | 2.44 |
| 5 | WEPI500-60-AA | 60° | 2.33 | 2.44 | 5 | WEPI500E-60-AA | 60° | 2.45 | 2.44 |
| 6 | WEPI600-AA | 90° | 4.31 | 2.75 | 6 | WEPI600E-AA | 90° | 4.38 | 2.75 |
| 6 | WEPI600-30-AA | 30° | 1.29 | 2.75 | 6 | WEPI600E-30-AA | 30° | 1.36 | 2.75 |
| 6 | WEPI600-45-AA | 45° | 1.89 | 2.75 | 6 | WEPI600E-45-AA | 45° | 1.97 | 2.75 |
| 6 | WEPI600-60-AA | 60° | 2.57 | 2.75 | 6 | WEPI600E-60-AA | 60° | 2.64 | 2.75 |
| 8 | WEPI800-AA | 90° | 5.64 | 1.00 | — | — | — | — | — |
| 8" O.D. | WEPI800R-AA | 90° | 5.50 | 2.00 | — | — | — | — | — |
| 8" O.D. | WEPI800R-30-AA | 30° | 1.88 | 2.00 | — | — | — | — | — |
| 8" O.D. | WEPI800R-60-AA | 60° | 3.38 | 2.00 | — | — | — | — | — |



© 2011, AFL, all rights reserved. PP-3-00524, Revision 3, 9.5.18
Specifications are subject to change without notice.

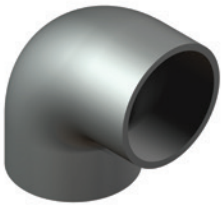
# DOSSERT®

## TYPE 35400, 35500

WeldElbows are designed to be corona free for 345 kV and 500 kV service. Elbow is designed to be welded on outside of pipe allowing use on both schedule 40 and schedule 80 pipe. Socket design allows for slight inaccuracies in field cut length of pipe.



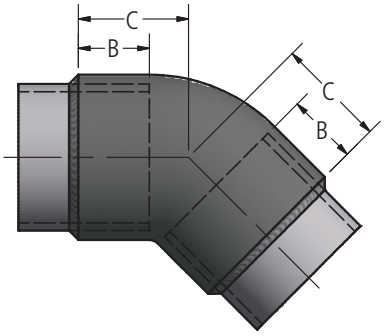
35400

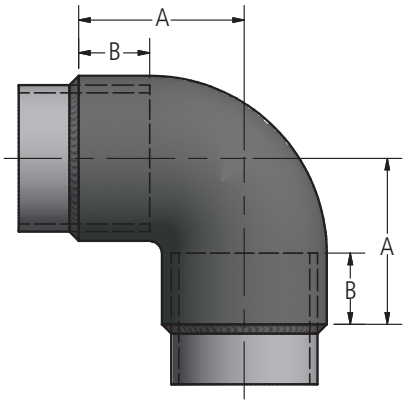


35500

### Material

Aluminum Alloy




### Ordering Information

| CATALOG NUMBER | | CONDUCTOR SIZE SPS/EPHS | DIMENSIONS IN INCHES | | | NOMINAL WEIGHT LBS | |
|---|---|---|---|---|---|---|---|
| 45 DEG | 90 DEG | | A | B | C | 45 DEG | 90 DEG |
| 35408EHV | 35508EHV | 3 | 4.16 | 1.75 | 2.75 | 1.8 | 2.4 |
| 35409EHV | 35509EHV | 3 1/2 | 4.72 | 2.00 | 3.12 | 2.6 | 3.6 |
| 35410EHV | 35510EHV | 4 | 5.28 | 2.25 | 3.50 | 3.6 | 4.8 |
| 35412EHV | 35512EHV | 5 | 6.44 | 2.75 | 4.28 | 5.8 | 7.8 |
| 35413EHV | 35513EHV | 6 | 7.59 | 3.25 | 5.05 | 9.4 | 12.8 |





© 2011, AFL, all rights reserved. PP-3-00194, Revision 0, 3.4.11
Specifications are subject to change without notice.

# DOSSERT®
# TYPE WGPHV-AA

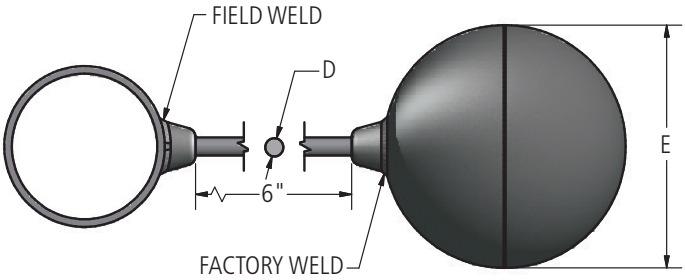


## Ground Jumper

Welded ground stud is designed to be corona free for 345 kV and 500 kV service. Design of ground studs is such that then can be welded to 3" through 6" SPS pipe size.

## Material

Aluminum Alloy




## Ordering Information

| CATALOG NUMBER | SPS / EHPS | DIMENSIONS IN INCHES | |
|---|---|---|---|
| | | D | E |
| WGPHV250-AA | 2 1/2 | 3/4 | 8 |
| WGPHV300-AA | 3 | 3/4 | 8 |
| WGPHV300-12-AA | 3 | 3/4 | 12 |
| WGPHV350-AA | 3.5 | 3/4 | 8 |
| WGPHV400-AA | 4 | 3/4 | 8 |
| WGPHV400-10-AA | 4 | 3/4 | 10 |
| WGPHV400-12-R87-AA | 4 | 7/8 | 12 |
| WGPHV500-AA | 5 | 3/4 | 10 |
| WGPHV500-10-AA | 5 | 3/4 | 12 |
| WGPHV500-R81-AA | 5 | 13/16 | 10 |
| WGPHV600-AA | 6 | 3/4 | 10 |
| WGPHV600-12-AA | 6 | 3/4 | 12 |
| WGPHV600-R81-AA | 6 | 13/16 | 10 |
| WGPHV800-AA | 8 | 3/4 | 13 |
| WGPHV800R-AA | 8 O.D. | 3/4 | 13 |



© 2011, AFL, all rights reserved. PP-3-00526, Revision 0, 3.4.11
Specifications are subject to change without notice.

# DOSSERT®
## TYPE 34600-EHV



Bolted ground stud is designed to be corona free for 345 kV and 500 kV service as noted in table. Bolted design provides ease of removal for future expansion or relocation.

### Material

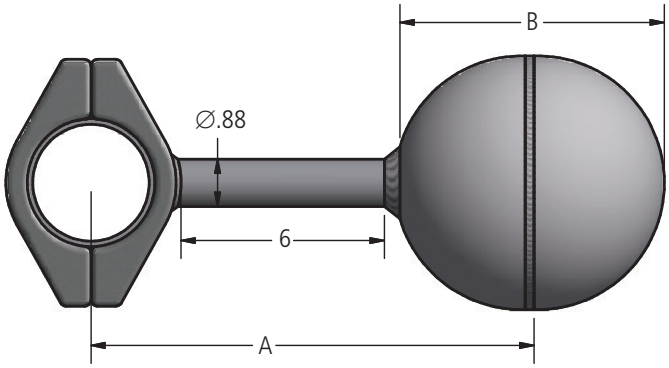
Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, and lockwashers.

### Notes

- For Stainless Steel bolts, lockwashers and Everdur nuts, add "-SSHBN" to catalog number. EX: 34668EHV-SSHBN




### Ordering Information

| CATALOG NUMBER | SPS / EHPS | DIMENSIONS IN INCHES | | NOMINAL WEIGHT LBS |
|---|---|---|---|---|
| | | A | B | |
| **345 KV** | | | | |
| 34668 EHV | 3 | 16.31 | 7.06 | 5.2 |
| 34669 EHV | 3 1/2 | 16.56 | 7.06 | 5.3 |
| 34670 EHV | 4 | 16.81 | 7.06 | 5.5 |
| 34672 EHV | 5 | 17.34 | 7.06 | 5.8 |
| 34673 EHV | 6 | 17.87 | 7.06 | 6.4 |
| **500 KV** | | | | |
| 34688 EHV | 3 | 21.25 | 12 | 13.3 |
| 34689 EHV | 3 1/2 | 21.50 | 12 | 13.4 |
| 34690 EHV | 4 | 21.75 | 12 | 13.6 |
| 34692 EHV | 5 | 22.28 | 12 | 13.9 |
| 34693 EHV | 6 | 22.81 | 12 | 14.5 |



© 2011, AFL, all rights reserved. PP-3-00182, Revision 1, 9.20.18
Specifications are subject to change without notice.

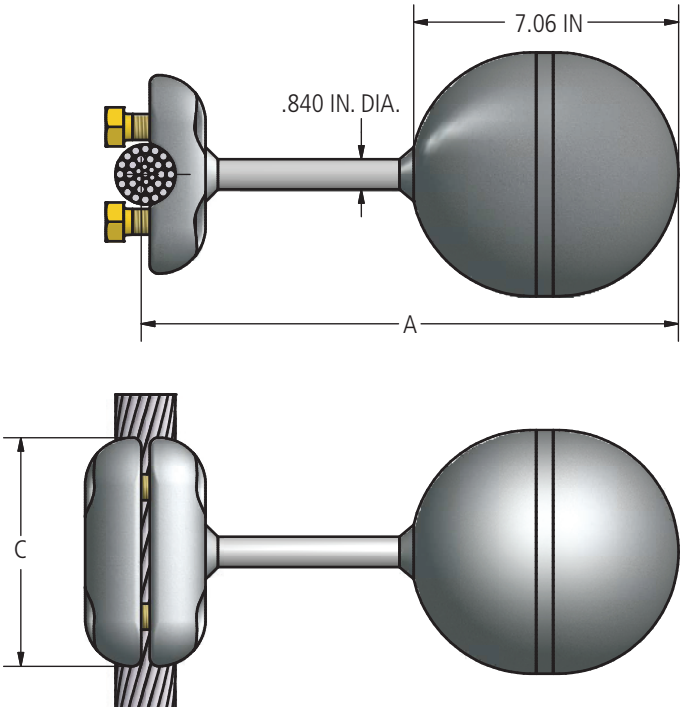
# DOSSERT®
## TYPE 34650-EHV



Bolted conductor ground stud is designed to have better corona characteristics than the conductor on which it is installed. Designed for 500 kV service. Bolted design provides ease of removal for future expansion or relocation. Ground stud is ordered by specifying catalog number and conductor.

### Material
Aluminum Alloy

### Hardware
Yellow anodized aluminum bolts, nuts, and lockwashers.




### Ordering Information

| CATALOG NUMBER | MAX CONDUCTOR DIAMETER | DIMENSIONS IN INCHES | | | NOMINAL WEIGHT LBS |
|---|---|---|---|---|---|
| | | A | C | BOLT SIZE | |
| 34653EHV | 1.226 | 15.25 | 5.00 | 5/8 | 7.8 |
| 34654EHV | 1.475 | 15.38 | 5.50 | 5/8 | 8.8 |
| 34655EHV | 1.850 | 15.75 | 5.75 | 3/4 | 13.3 |

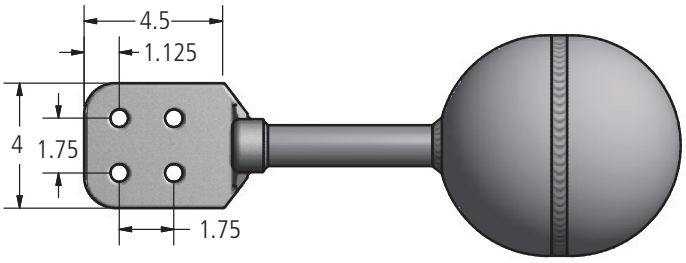


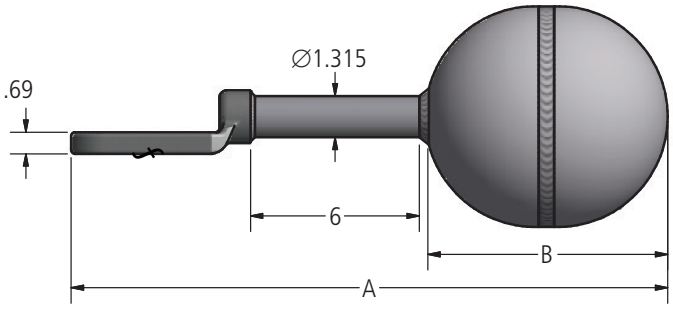
© 2011, AFL, all rights reserved. PP-3-00185, Revision 1, 10.31.11
Specifications are subject to change without notice.

# DOSSERT®
## TYPE 34620-EHV

Ground stud is designed to be corona free for 345 kV or 500 kV service, as noted in table, when pad covers are used to shield terminal hardware.






### Ordering Information

| CATALOG NUMBER | DIMENSIONS IN INCHES | | VOLTAGE RATING | NOMINAL WEIGHT LBS |
|---|---|---|---|---|
| | A | B | | |
| 34620EHV | 21.50 | 7.06 | 345 kV | 4.7 |
| 34625EHV | 26.19 | 12.00 | 500 kV | 13.6 |



© 2011, AFL, all rights reserved. PP-3-00183, Revision 12, 12.4.13
Specifications are subject to change without notice.

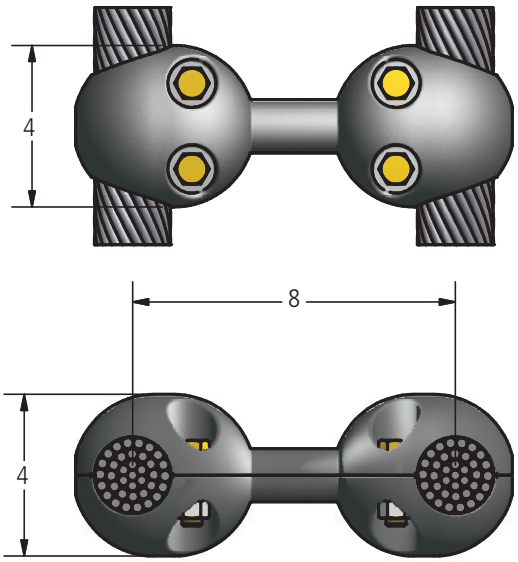
# DOSSERT®
## TYPE 1800-REHV



Spacer is designed to be corona free for 500 kV service. Spacer is supplied with break-away head bolts to ensure correct installation.

### Material
Aluminum Alloy

### Hardware
Yellow anodized aluminum nuts, bolts and lockwashers.




### Ordering Information

| CATALOG NUMBER | CABLE RANGE | | | NOMINAL WEIGHT LBS |
|---|---|---|---|---|
| | DIAMETER | AAC | ACSR | |
| 1800.08REHV | 1.438 - 1.518 | 1590 | 1431 (54/19) - 1590 (45/7) | 3.4 |
| 1801.08REHV | 1.519 - 1.599 | 1750 | 1590 (54/19) | 3.4 |
| 1802.08REHV | 1.600 - 1.680 | 2000 | 1780 (84/19) | 3.0 |
| 1803.08REHV | 1.681 - 1.762 | 2250 | 2034 (72/7) - 2156 (84/19) | 3.0 |
| 1804.08REHV | 1.763 - 1.843 | 2500 | 2312 (76/19) | 3.0 |



© 2011, AFL, all rights reserved. PP-3-00164, Revision 1, 10.3.12
Specifications are subject to change without notice.

# DOSSERT®
# TYPE CAS-V-AA



## Cable Spacer for Two Cables

Spacer is designed to be corona free for 500 kV service. Spacer is supplied with break-away head bolts to ensure correct installation.

## Material

Aluminum Alloy

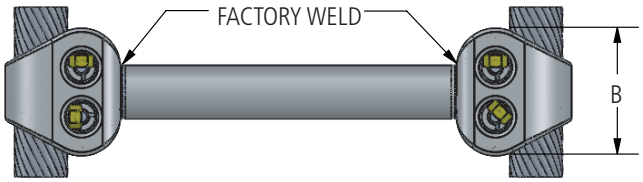
## Hardware

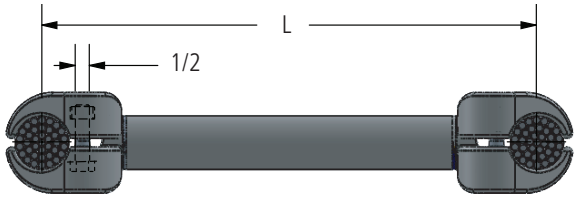
Yellow anodized aluminum nuts, bolts, lockwashers, and rubber retainers.



## Notes

- For Stainless Steel bolts, lockwashers and Everdur nuts, add "-SSHBN" to catalog number. EX: CAS300-6-V-AA-SSHBN.
- For Grade Five Galvanized Steel Hardware, add "-GS5" to catalog number. EX: CAD300-6-V-AA-GS5.
- 6"-8" Spacing uses a solid cast body instead of welded tube.




## Ordering Information

| CATALOG NUMBER | CABLE RANGE | | | DIMENSIONS IN INCHES | | NO. OF BOLTS |
|---|---|---|---|---|---|---|
| | MIN | MAX | ACSR | B | L | |
| CAS79-6-V-AA | 750 MCM | 795 MCM | 636 (18/1; 24/7; 26/7) | 2 | 6 | 2 |
| CAS79-6.5-V-AA | 750 MCM | 795 MCM | 636 (18/1; 24/7; 26/7) | 2 | 6 1/2 | 2 |
| CAS79-7-V-AA | 750 MCM | 795 MCM | 636 (18/1; 24/7; 26/7) | 2 | 7 | 2 |
| CAS79-8-V-AA | 750 MCM | 795 MCM | 636 (18/1; 24/7; 26/7) | 2 | 8 | 2 |
| CAS79-12-V-AA | 750 MCM | 795 MCM | 636 (18/1; 24/7; 26/7) | 2 | 12 | 2 |
| CAS79-18-V-AA | 750 MCM | 795 MCM | 636 (18/1; 24/7; 26/7) | 2 | 18 | 2 |
| CAS95-6-V-AA | 800 MCM | 954 MCM | 795 (45/7; 24/7; 26/7) | 2 | 6 | 2 |
| CAS95-6.5-V-AA | 800 MCM | 954 MCM | 795 (45/7; 24/7; 26/7) | 2 | 6 1/2 | 2 |
| CAS95-7-V-AA | 800 MCM | 954 MCM | 795 (45/7; 24/7; 26/7) | 2 | 7 | 2 |
| CAS95-7.5-V-AA | 800 MCM | 954 MCM | 795 (45/7; 24/7; 26/7) | 2 | 7.5 | 2 |
| CAS95-8-V-AA | 800 MCM | 954 MCM | 795 (45/7; 24/7; 26/7) | 2 | 8 | 2 |
| CAS95-10-V-AA | 800 MCM | 954 MCM | 795 (45/7; 24/7; 26/7) | 2 | 10 | 2 |
| CAS95-11-V-AA | 800 MCM | 954 MCM | 795 (45/7; 24/7; 26/7) | 2 | 11 | 2 |
| CAS95-12-V-AA | 800 MCM | 954 MCM | 795 (45/7; 24/7; 26/7) | 2 | 12 | 2 |
| CAS95-18-V-AA | 800 MCM | 954 MCM | 795 (45/7; 24/7; 26/7) | 2 | 18 | 2 |
| CAS103-6-V-AA | 1000 MCM | 1033.5 MCM | 954 (45/7; 54/7) | 2 | 6 | 2 |
| CAS103-8-V-AA | 1000 MCM | 1033.5 MCM | 954 (45/7; 54/7) | 2 | 8 | 2 |



© 2011, AFL, all rights reserved. PP-3-00271, Revision 2, 2.8.18
Specifications are subject to change without notice.

# DOSSERT®
# TYPE CAS-V-AA
## Cable Spacer for Two Cables

### Ordering Information (cont.)

| CATALOG NUMBER | CABLE RANGE | | | DIMENSIONS IN INCHES | | NO. OF BOLTS |
|---|---|---|---|---|---|---|
| | MIN | MAX | ACSR | B | L | |
| CAS103-9-V-AA | 1000 MCM | 1033.5 MCM | 954 (45/7; 54/7) | 2 | 9 | 2 |
| CAS103-10-V-AA | 1000 MCM | 1033.5 MCM | 954 (45/7; 54/7) | 2 | 10 | 2 |
| CAS103-12-V-AA | 1000 MCM | 1033.5 MCM | 954 (45/7; 54/7) | 2 | 12 | 2 |
| CAS103-18-V-AA | 1000 MCM | 1033.5 MCM | 954 (45/7; 54/7) | 2 | 18 | 2 |
| CAS127-6-V-AA | 1113 MCM | 1272 MCM | 1033 (54/7), 1113 (45/7; 54/19) | 4 1/2 | 6 | 4 |
| CAS127-6.5-V-AA | 1113 MCM | 1272 MCM | 1033 (54/7), 1113 (45/7; 54/19) | 4 1/2 | 6 1/2 | 4 |
| CAS127-8-V-AA | 1113 MCM | 1272 MCM | 1033 (54/7) 1113 (45/7; 54/19) | 4 1/2 | 8 | 4 |
| CAS127-12-V-AA | 1113 MCM | 1272 MCM | 1033 (54/7), 1113 (45/7; 54/19) | 4 1/2 | 12 | 4 |
| CAS127-16-V-AA | 1113 MCM | 1272 MCM | 1033 (54/7), 1113 (45/7; 54/19) | 4 1/2 | 16 | 4 |
| CAS127-18-V-AA | 1113 MCM | 1272 MCM | 1033 (54/7), 1113 (45/7; 54/19) | 4 1/2 | 18 | 4 |
| CAS143-6-V-AA | 1300 MCM | 1431 MCM | 1272 (45/7; 54/19) | 4 1/2 | 6 | 4 |
| CAS143-6.5-V-AA | 1300 MCM | 1431 MCM | 1272 (45/7; 54/19) | 4 1/2 | 6 1/2 | 4 |
| CAS143-8-V-AA | 1300 MCM | 1431 MCM | 1272 (45/7; 54/19) | 4 1/2 | 8 | 4 |
| CAS143-12-V-AA | 1300 MCM | 1431 MCM | 1272 (45/7; 54/19) | 4 1/2 | 12 | 4 |
| CAS143-13-V-AA | 1300 MCM | 1431 MCM | 1272 (45/7; 54/19) | 4 1/2 | 13 | 4 |
| CAS143-18-V-AA | 1300 MCM | 1431 MCM | 1272 (45/7; 54/19) | 4 1/2 | 18 | 4 |
| CAS160-6.5-V-AA | 1500 MCM | 1600 MCM, 1272 Rope L. | 1431 (45/7; 54/19) | 4 1/2 | 6 1/2 | 4 |
| CAS160-8-V-AA | 1500 MCM | 1600 MCM, 1272 Rope L. | 1431 (45/7; 54/19) | 4 1/2 | 8 | 4 |
| CAS160-9-V-AA | 1500 MCM | 1600 MCM, 1272 Rope L. | 1431 (45/7; 54/19) | 4 1/2 | 9 | 4 |
| CAS160-11-V-AA | 1500 MCM | 1600 MCM, 1272 Rope L. | 1431 (45/7; 54/19) | 4 1/2 | 11 | 4 |
| CAS160-12-V-AA | 1500 MCM | 1600 MCM, 1272 Rope L. | 1431 (45/7; 54/19) | 4 1/2 | 12 | 4 |
| CAS160-18-V-AA | 1500 MCM | 1600 MCM, 1272 Rope L. | 1431 (45/7; 54/19) | 4 1/2 | 18 | 4 |
| CAS180-6-V-AA | 1700 MCM | 1800 MCM | 1590 (45/7; 54/19) | 4 1/2 | 6 | 4 |
| CAS180-7-V-AA | 1700 MCM | 1800 MCM | 1590 (45/7; 54/19) | 4 1/2 | 7 | 4 |
| CAS180-8-V-AA | 1700 MCM | 1800 MCM | 1590 (45/7; 54/19) | 4 1/2 | 8 | 4 |
| CAS180-11-V-AA | 1700 MCM | 1800 MCM | 1590 (45/7; 54/19) | 4 1/2 | 11 | 4 |
| CAS180-12-V-AA | 1700 MCM | 1800 MCM | 1590 (45/7; 54/19) | 4 1/2 | 12 | 4 |
| CAS180-18-V-AA | 1700 MCM | 1800 MCM | 1590 (45/7; 54/19) | 4 1/2 | 18 | 4 |
| CAS205-6-V-AA | 2000 MCM | 2049 ACAR | 1780 (84/19) 2034.5 (72/7) | 4 1/2 | 6 | 4 |
| CAS205-8-V-AA | 2000 MCM | 2049 ACAR | 1780 (84/19) 2034.5 (72/7) | 4 1/2 | 8 | 4 |
| CAS205-12-V-AA | 2000 MCM | 2049 ACAR | 1780 (84/19) 2034.5 (72/7) | 4 1/2 | 12 | 4 |
| CAS205-13-V-AA | 2000 MCM | 2049 ACAR | 1780 (84/19) 2034.5 (72/7) | 4 1/2 | 13 | 4 |
| CAS205-15-V-AA | 2000 MCM | 2049 ACAR | 1780 (84/19) 2034.5 (72/7) | 4 1/2 | 15 | 4 |
| CAS205-18-V-AA | 2000 MCM | 2049 ACAR | 1780 (84/19) 2034.5 (72/7) | 4 1/2 | 18 | 4 |
| CAS205-24-V-AA | 2000 MCM | 2049 ACAR | 1780 (84/19) 2034.5 (72/7) | 4 1/2 | 24 | 4 |
| CAS205-42-V-AA | 2000 MCM | 2049 ACAR | 1780 (84/19) 2034.5 (72/7) | 4 1/2 | 42 | 4 |



© 2011, AFL, all rights reserved. PP-3-00271, Revision 2, 2.8.18
Specifications are subject to change without notice.

# DOSSERT®
# TYPE CAS-V-AA
## Cable Spacer for Two Cables

### Ordering Information (cont.)

| CATALOG NUMBER | CABLE RANGE | | | DIMENSIONS IN INCHES | | NO. OF BOLTS |
|---|---|---|---|---|---|---|
| | MIN | MAX | ACSR | B | L | |
| CAS205-43-V-AA | 2000 MCM | 2049 ACAR | 1780 (84/19) 2034.5 (72/7) | 4 1/2 | 43 | 4 |
| CAS250-6.5-V-AA | 2250 MCM | 2500 MCM | 2156 (84/19) 2300 (96/19) | 4 1/2 | 6 1/2 | 4 |
| CAS250-8-V-AA | 2250 MCM | 2500 MCM | 2156 (84/19) 2300 (96/19) | 4 1/2 | 8 | 4 |
| CAS250-10-V-AA | 2250 MCM | 2500 MCM | 2156 (84/19) 2300 (96/19) | 4 1/2 | 10 | 4 |
| CAS250-12-V-AA | 2250 MCM | 2500 MCM | 2156 (84/19) 2300 (96/19) | 4 1/2 | 12 | 4 |
| CAS250-13-V-AA | 2250 MCM | 2500 MCM | 2156 (84/19) 2300 (96/19) | 4 1/2 | 13 | 4 |
| CAS250-15.5-V-AA | 2250 MCM | 2500 MCM | 2156 (84/19) 2300 (96/19) | 4 1/2 | 15 1/2 | 4 |
| CAS250-18-V-AA | 2250 MCM | 2500 MCM | 2156 (84/19) 2300 (96/19) | 4 1/2 | 18 | 4 |
| CAS275-8-V-AA | — | 2750 MCM | 2515 (76/19) | 4 1/2 | 8 | 4 |
| CAS275-13-V-AA | — | 2750 MCM | 2515 (76/19) | 4 1/2 | 13 | 4 |
| CAS275-18-V-AA | — | 2750 MCM | 2515 (76/19) | 4 1/2 | 18 | 4 |
| CAS300-8-V-AA | 2750 MCM | 3000 MCM | — | 4 1/2 | 8 | 4 |
| CAS300-18-V-AA | 2750 MCM | 3000 MCM | — | 4 1/2 | 18 | 4 |
| CAS300-20-V-AA | 2750 MCM | 3000 MCM | — | 4 1/2 | 20 | 4 |
| CAS350-6-V-AA | 3500 MCM | 3500 MCM | — | 5 1/2 | 6 | 4 |
| CAS350-8-V-AA | 3500 MCM | 3500 MCM | — | 5 1/2 | 8 | 4 |
| CAS350-13-V-AA | 3500 MCM | 3500 MCM | — | 5 1/2 | 13 | 4 |





© 2011, AFL, all rights reserved. PP-3-00271, Revision 2, 2.8.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE CAS-N-V-AA, CAS-N-90-V-AA

### Cable Spacer for Two Cables with Four-Hole NEMA Tap

Spacer is designed to be corona free for 500 kV service. Spacer is supplied with break-away head bolts to ensure correct installation. Not for full load tap. For lightning arresters and other Metering taps.



CAS-N-V-AA



CAS-N-90-V-AA

### Material

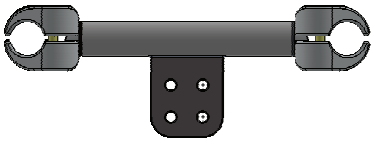
Aluminum Alloy

### Hardware

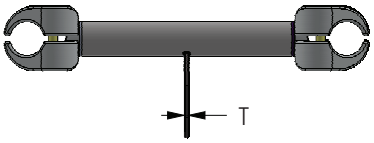
Aluminum bolts, lockwashers and nuts

### Notes

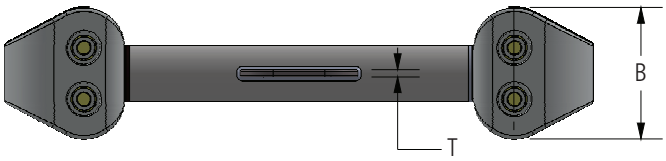
- For Stainless Steel bolts, lockwashers and nuts, add "-SSHBN" to catalog number. EX: CAS78-18-4N4-90-V-AA-SSHBN
- For a 90° terminal, add suffix "-90" to catalog number. EX: CAS79-18-4N4-90-V-AA

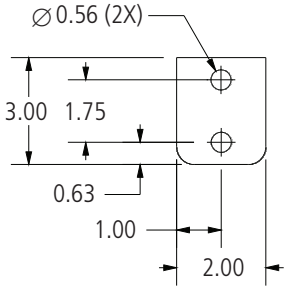


CAS-N-V-AA

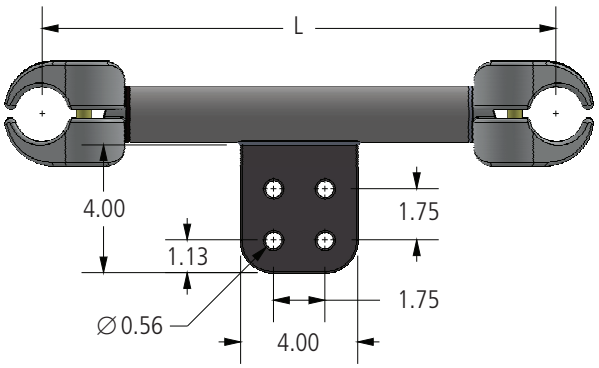



CAS-N-90-V-AA

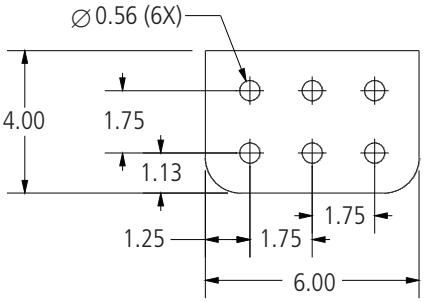



2N PAD




4N4 PAD




6N4 PAD



© 2011, AFL, all rights reserved. PP-3-00268, Revision 3, 1.29.19
Specifications are subject to change without notice.

# DOSSERT®

## TYPE CAS-N-V-AA, CAS-N-90-V-AA

### Cable Spacer for Two Cables with Four-Hole NEMA Tap

### Ordering Information

| CATALOG NUMBER | | CABLE RANGE | | DIMENSIONS IN INCHES | | | NO. OF BOLTS |
|---|---|---|---|---|---|---|---|
| | | AAC RANGE | ACSR | B | L | T | |
| CAS79-6-4N4-V-AA | CAS79-6-4N4-90-V-AA | 750 MCM - 795 MCM | 636 (18/1)(24/7)(26/7) | 2.00 | 6.00 | 0.50 | 2 |
| CAS79-8-4N4-V-AA | CAS79-8-4N4-90-V-AA | 750 MCM - 795 MCM | 636 (18/1)(24/7)(26/7) | 2.00 | 8.00 | 0.50 | 2 |
| CAS79-10-4N4-V-AA | CAS79-10-4N4-90-V-AA | 750 MCM - 795 MCM | 636 (18/1)(24/7)(26/7) | 2.00 | 10.00 | 0.50 | 2 |
| CAS79-12-4N4-V-AA | CAS79-12-4N4-90-V-AA | 750 MCM - 795 MCM | 636 (18/1)(24/7)(26/7) | 2.00 | 12.00 | 0.50 | 2 |
| CAS79-18-4N4-V-AA | CAS79-18-4N4-90-V-AA | 750 MCM - 795 MCM | 636 (18/1)(24/7)(26/7) | 2.00 | 18.00 | 0.50 | 2 |
| CAS95-6-4N4-V-AA | CAS95-6-4N4-V-AA | 800 MCM - 954 MCM | 795 (47/7)( 24/7)( 26/7) | 2.00 | 6.00 | 0.50 | 2 |
| CAS95-8-2N-V-AA | CAS95-8-2N-90-V-AA | 800 MCM - 954 MCM | 795 (47/7)( 24/7)( 26/7) | 2.00 | 8.00 | 0.50 | 2 |
| CAS95-8-4N4-V-AA | CAS95-8-4N4-90-V-AA | 800 MCM - 954 MCM | 795 (47/7)( 24/7)( 26/7) | 2.00 | 8.00 | 0.50 | 2 |
| CAS95-10-4N4-V-AA | CAS95-10-4N4-90-V-AA | 800 MCM - 954 MCM | 795 (47/7)( 24/7)( 26/7) | 2.00 | 10.00 | 0.50 | 2 |
| CAS95-12-4N4-V-AA | CAS95-12-4N4-90-V-AA | 800 MCM - 954 MCM | 795 (47/7)( 24/7)( 26/7) | 2.00 | 12.00 | 0.50 | 2 |
| CAS95-18-4N4-V-AA | CAS95-18-4N4-90-V-AA | 800 MCM - 954 MCM | 795 (47/7)( 24/7)( 26/7) | 2.00 | 18.00 | 0.50 | 2 |
| CAS103-6-4N4-V-AA | CAS103-6-4N4-90-V-AA | 1000 MCM - 1033.5 MCM | 954 (45/7)(54/7) | 2.00 | 6.00 | 0.50 | 2 |
| CAS103-8-4N4-V-AA | CAS103-8-4N4-90-V-AA | 1000 MCM - 1033.5 MCM | 954 (45/7)(54/7) | 2.00 | 8.00 | 0.50 | 2 |
| CAS103-10-4N4-V-AA | CAS103-10-4N4-V-AA | 1000 MCM - 1033.5 MCM | 954 (45/7)(54/7) | 2.00 | 10.00 | 0.50 | 2 |
| CAS103-12-4N4-V-AA | CAS103-12-4N4-90-V-AA | 1000 MCM - 1033.5 MCM | 954 (45/7)(54/7) | 2.00 | 12.00 | 0.50 | 2 |
| CAS103-18-4N4-V-AA | CAS103-18-4N4-90-V-AA | 1000 MCM - 1033.5 MCM | 954 (45/7)(54/7) | 2.00 | 18.00 | 0.50 | 2 |
| CAS127-6-4N4-V-AA | CAS127-6-4N4-90-V-AA | 1113 MCM - 1272 MCM | 1033 (54/7), 1113 (45/7) (54/19) | 4.50 | 6.00 | 0.75 | 4 |
| CAS127-8-4N4-V-AA | CAS127-8-4N4-90-V-AA | 1113 MCM - 1272 MCM | 1033 (54/7), 1113 (45/7) (54/19) | 4.50 | 8.00 | 0.75 | 4 |
| CAS127-10-4N4-V-AA | CAS127-10-4N4-90-V-AA | 1113 MCM - 1272 MCM | 1033 (54/7), 1113 (45/7) (54/19) | 4.50 | 10.00 | 0.75 | 4 |
| CAS127-12-4N4-V-AA | CAS127-12-4N4-90-V-AA | 1113 MCM - 1272 MCM | 1033 (54/7), 1113 (45/7) (54/19) | 4.50 | 12.00 | 0.75 | 4 |
| CAS127-18-4N4-V-AA | CAS127-18-4N4-90-V-AA | 1113 MCM - 1272 MCM | 1033 (54/7), 1113 (45/7) (54/19) | 4.50 | 18.00 | 0.75 | 4 |
| CAS140-8-4N4-V-AA | CAS140-8-4N4-90-V-AA | 1300 MCM-1400 MCM | 1272 (45/7)(54/19) | 4.50 | 8.00 | 0.75 | 4 |
| CAS140-18-4N4-V-AA | CAS140-18-4N4-90-V-AA | 1300 MCM-1400 MCM | 1272 (45/7)(54/19) | 4.50 | 18.00 | 0.75 | 4 |
| CAS143-6-4N4-V-AA | CAS143-6-4N4-90-V-AA | 1300 MCM - 1431 MCM | 1272 (45/7)(54/19) | 4.50 | 6.00 | 0.63 | 4 |
| CAS143-8-4N4-V-AA | CAS143-8-4N4-90-V-AA | 1300 MCM - 1431 MCM | 1272 (45/7)(54/19) | 4.50 | 8.00 | 0.75 | 4 |
| CAS143-10-4N4-V-AA | CAS143-10-4N4-90-V-AA | 1300 MCM - 1431 MCM | 1272 (45/7)(54/19) | 4.50 | 10.00 | 0.75 | 4 |
| CAS143-12-4N4-V-AA | CAS143-12-4N4-90-V-AA | 1300 MCM - 1431 MCM | 1272 (45/7)(54/19) | 4.50 | 12.00 | 0.75 | 4 |
| CAS143-18-4N4-V-AA | CAS143-18-4N4-90-V-AA | 1300 MCM - 1431 MCM | 1272 (45/7)(54/19) | 4.50 | 18.00 | 0.75 | 4 |
| CAS160-6-4N4-V-AA | CAS160-6-4N4-90-V-AA | 1500 MCM - 1600 MCM | 1431 (45/7)(54/19) | 4.50 | 6.00 | 0.75 | 4 |
| CAS160-6.5-4N4-V-AA | CAS160-6.5-4N4-90-V-AA | 1500 MCM - 1600 MCM | 1431 (45/7)(54/19) | 4.50 | 6.50 | 0.75 | 4 |
| CAS160-8-4N4-V-AA | CAS160-8-4N4-90-V-AA | 1500 MCM - 1600 MCM | 1431 (45/7)(54/19) | 4.50 | 8.00 | 0.75 | 4 |
| CAS160-10-4N4-V-AA | CAS160-10-4N4-90-V-AA | 1500 MCM - 1600 MCM | 1431 (45/7)(54/19) | 4.50 | 10.00 | 0.75 | 4 |
| CAS160-11-4N4-V-AA | CAS160-11-4N4-90-V-AA | 1500 MCM - 1600 MCM | 1431 (45/7)(54/19) | 4.50 | 11.00 | 0.75 | 4 |





© 2011, AFL, all rights reserved. PP-3-00268, Revision 3, 1.29.19
Specifications are subject to change without notice.

# DOSSERT®

## TYPE CAS-N-V-AA, CAS-N-90-V-AA

### Cable Spacer for Two Cables with Four-Hole NEMA Tap

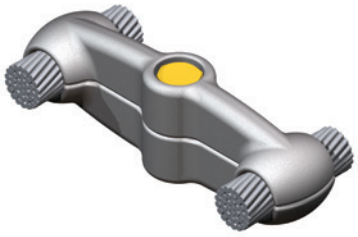
### Ordering Information

| CATALOG NUMBER | | CABLE RANGE | | DIMENSIONS IN INCHES | | | NO. OF BOLTS |
|---|---|---|---|---|---|---|---|
| | | AAC RANGE | ACSR | B | L | T | |
| CAS160-12-4N4-V-AA | CAS160-12-4N4-90-V-AA | 1500 MCM - 1600 MCM | 1431 (45/7)(54/19) | 4.50 | 12.00 | 0.75 | 4 |
| CAS160-18-4N4-V-AA | CAS160-18-4N4-90-V-AA | 1500 MCM - 1600 MCM | 1431 (45/7)(54/19) | 4.50 | 18.00 | 0.75 | 4 |
| CAS180-6-4N4-V-AA | CAS180-6-4N4-90-V-AA | 1700 MCM - 1800 MCM | 1590 (45/7)(54/19) | 4.50 | 6.00 | 0.75 | 4 |
| CAS180-8-4N4-V-AA | CAS180-8-4N4-90-V-AA | 1700 MCM - 1800 MCM | 1590 (45/7)(54/19) | 4.50 | 8.00 | 0.75 | 4 |
| CAS180-10-4N4-V-AA | CAS180-10-4N4-90-V-AA | 1700 MCM - 1800 MCM | 1590 (45/7)(54/19) | 4.50 | 10.00 | 0.75 | 4 |
| CAS180-12-4N4-V-AA | CAS180-12-4N4-90-V-AA | 1700 MCM - 1800 MCM | 1590 (45/7)(54/19) | 4.50 | 12.00 | 0.75 | 4 |
| CAS180-18-4N4-V-AA | CAS180-18-4N4-90-V-AA | 1700 MCM - 1800 MCM | 1590 (45/7)(54/19) | 4.50 | 18.00 | 0.75 | 4 |
| CAS200-8-4N4-V-AA | CAS200-8-4N4-90-V-AA | 2000 MCM | 1780(84/19) | 4.50 | 8.00 | 0.75 | 4 |
| CAS200-18-4N4-V-AA | CAS200-18-4N4-90-V-AA | 2000 MCM | 1780(84/19) | 4.50 | 18.00 | 0.75 | 4 |
| CAS205-6-4N4-V-AA | CAS205-6-4N4-90-V-AA | 2000 MCM - 2049 MCM | 1780 (84/19) 2034 (72/7) | 4.50 | 6.00 | 0.75 | 4 |
| CAS205-8-4N4-V-AA | CAS205-8-4N4-90-V-AA | 2000 MCM - 2049 MCM | 1780 (84/19) 2034 (72/7) | 4.50 | 8.00 | 0.63 | 4 |
| CAS205-10-4N4-V-AA | CAS205-10-4N4-90-V-AA | 2000 MCM - 2049 MCM | 1780 (84/19) 2034 (72/7) | 4.50 | 10.00 | 0.75 | 4 |
| CAS205-12-4N4-V-AA | CAS205-12-4N4-90-V-AA | 2000 MCM - 2049 MCM | 1780 (84/19) 2034 (72/7) | 4.50 | 12.00 | 0.75 | 4 |
| CAS205-13-4N4-V-AA | CAS205-13-4N4-90-V-AA | 2000 MCM - 2049 MCM | 1780 (84/19) 2034 (72/7) | 4.50 | 13.00 | 0.75 | 4 |
| CAS205-18-4N4-V-AA | CAS205-18-4N4-90-V-AA | 2000 MCM - 2049 MCM | 1780 (84/19) 2034 (72/7) | 4.50 | 18.00 | 0.75 | 4 |
| CAS250-6-4N4-V-AA | CAS250-6-4N4-90-V-AA | 2250 MCM - 2500 MCM | 2156 (84/19) | 4.50 | 6.00 | 0.75 | 4 |
| CAS250-8-4N4-V-AA | CAS250-8-4N4-90-V-AA | 2250 MCM - 2500 MCM | 2156 (84/19) | 4.50 | 8.00 | 0.75 | 4 |
| CAS250-10-4N4-V-AA | CAS250-10-4N4-90-V-AA | 2250 MCM - 2500 MCM | 2156 (84/19) | 4.50 | 10.00 | 0.75 | 4 |
| CAS250-12-4N4-V-AA | CAS250-12-4N4-90-V-AA | 2250 MCM - 2500 MCM | 2156 (84/19) | 4.50 | 12.00 | 0.75 | 4 |
| CAS250-18-4N4-V-AA | CAS250-18-4N4-90-V-AA | 2250 MCM - 2500 MCM | 2156 (84/19) | 4.50 | 18.00 | 0.75 | 4 |
| CAS250-18-4N41/2-V-AA | CAS250-18-4N4-90-V-AA | 2250 MCM - 2500 MCM | 2156 (84/19) | 4.50 | 18.00 | 0.75 | 4 |
| CAS275-6-4N4-V-AA | CAS275-6-4N4-90-V-AA | 2650 MCM - 2750 MCM | 2515 (76/19) | 4.50 | 6.00 | 0.75 | 4 |
| CAS275-8-4N4-V-AA | CAS275-8-4N4-90-V-AA | 2650 MCM - 2750 MCM | 2515 (76/19) | 4.50 | 8.00 | 0.75 | 4 |
| CAS275-10-4N4-V-AA | CAS275-10-4N4-90-V-AA | 2650 MCM - 2750 MCM | 2515 (76/19) | 4.50 | 10.00 | 0.75 | 4 |
| CAS275-12-4N4-V-AA | CAS275-12-4N4-90-V-AA | 2650 MCM - 2750 MCM | 2515 (76/19) | 4.50 | 12.00 | 0.75 | 4 |
| CAS275-12-4N71/4-V-AA | CAS275-12-4N7 1/4-90-V-AA | 2650 MCM - 2750 MCM | 2515 (76/19) | 4.50 | 12.00 | 0.75 | 4 |
| CAS275-18-4N4-V-AA | CAS275-18-4N4-90-V-AA | 2650 MCM - 2750 MCM | 2515 (76/19) | 4.50 | 18.00 | 0.75 | 4 |
| CAS350-6-4N4-V-AA | CAS350-6-4N4-90-V-AA | 3500 MCM | — | 5.48 | 6.00 | 0.75 | 4 |
| CAS350-13-4N4-V-AA | CAS350-13-4N4-90-V-AA | 3500 MCM | — | 5.48 | 13.00 | 1.00 | 4 |
| CAS350-13-6N4-V-AA | CAS350-13-6N4-90-V-AA | 3500 MCM | — | 5.48 | 13.00 | 1.00 | 4 |



© 2011, AFL, all rights reserved. PP-3-00268, Revision 3, 1.29.19
Specifications are subject to change without notice.

# DOSSERT®
## TYPE 38100-EHV



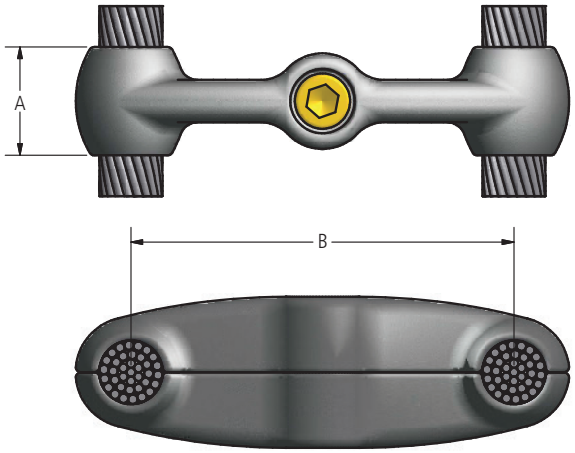
Spacer is designed to be corona free for 345 kV service. Single bolt spacer is supplied for 6.5" and 8" centerline spacing.

### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, and lockwashers.






### Ordering Information

| CATALOG NUMBER | CABLE RANGE | | | DIMENSIONS IN INCHES | | BOLT SIZE | NOMINAL WEIGHT LBS |
|---|---|---|---|---|---|---|---|
| | DIAMETER | AAC | ACSR | A | B | | |
| 38131EHV | .938 - 1.000 | 700 - 750 | 556.5(30/7) - 636(26/7) | 1.66 | 6.50 | 5/8 | 1.7 |
| 38161EHV | .938 - 1.000 | 700 - 750 | 556.5(30/7) - 636(26/7) | 1.66 | 8.00 | 5/8 | 2.7 |
| 38132EHV | 1.001 - 1.062 | 795 | 636(30/19) - 795(36/1) | 1.75 | 6.50 | 5/8 | 1.6 |
| 38162EHV | 1.001 - 1.062 | 795 | 636(30/19) - 795(36/1) | 1.75 | 8.00 | 5/8 | 1.9 |
| 38133EHV | 1.063 - 1.125 | 900 - 954 | 795(45/7) - 795(24/7) | 1.66 | 6.50 | 5/8 | 1.6 |
| 38163EHV | 1.063 - 1.125 | 900 - 954 | 795(45/7) - 795(24/7) | 1.66 | 8.00 | 5/8 | 1.9 |
| 38134EHV | 1.126 - 1.187 | 1000 - 1033.5 | 795(30/19) - 954(45/7) | 1.44 | 6.50 | 5/8 | 1.6 |
| 38164EHV | 1.126 - 1.187 | 1000 - 1033.5 | 795(30/19) - 954(45/7) | 1.44 | 8.00 | 5/8 | 1.6 |
| 38135EHV | 1.188 - 1.250 | 1113 | 954(54/7) - 1033.5(54/7) | 2.12 | 6.50 | 5/8 | 1.9 |
| 38165EHV | 1.188 - 1.250 | 1113 | 954(54/7) - 1033.5(54/7) | 2.12 | 8.00 | 5/8 | 2.0 |
| 38136EHV | 1.251 - 1.312 | 1192.5 - 1272 | 1113(45/7) - 1192.5(45/7) | 2.12 | 6.50 | 5/8 | 2.0 |
| 38166EHV | 1.251 - 1.312 | 1192.5 - 1272 | 1113(45/7) - 1192.5(45/7) | 2.12 | 8.00 | 5/8 | 1.9 |
| 38137EHV | 1.313 - 1.375 | 1351.5 - 1351.5 | 1192.5(54/19) - 1272(45/7) | 1.91 | 6.50 | 5/8 | 2.9 |
| 38167EHV | 1.313 - 1.375 | 1351.5 - 1351.5 | 1192.5(54/19) - 1272(45/7) | 1.91 | 8.00 | 5/8 | 2.0 |
| 38138EHV | 1.376 - 1.437 | 1431 - 1510.5 | 1272(54/19) - 1431(45/7) | 2.50 | 6.50 | 3/4 | 3.0 |
| 38168EHV | 1.376 - 1.437 | 1431 - 1510.5 | 1272(54/19) - 1431(45/7) | 2.50 | 8.00 | 3/4 | 3.0 |
| 38139EHV | 1.438 - 1.500 | 1590 | 1431(54/19) - 1510.5(45/7) | 2.50 | 6.50 | 3/4 | 3.4 |
| 38169EHV | 1.438 - 1.500 | 1590 | 1431(54/19) - 1510.5(45/7) | 2.50 | 8.00 | 3/4 | 3.6 |



© 2011, AFL, all rights reserved. PP-3-00197, Revision 1, 12.4.13
Specifications are subject to change without notice.

# DOSSERT®

## TYPE 38400-EHV, 38500-EHV



38400-EHV



38500-EHV

### Spacers (Cable) Recommended for Voltages up to 500 kV

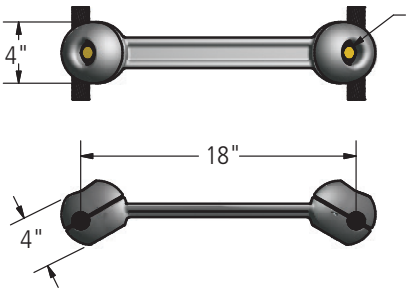
Bi-spacer is desigend to be corona free for 345 kV service for conductors through 1.5" diameter and 500 kV for larger diameter conductors. Tri-spacer is desgined to be corona free for 500 kV service. Bi-spacer is companion to 38200 series support. Tri-spacer is companion to 38300 series. Rigid spacers are not recommended for use on transmission lines.

### Material

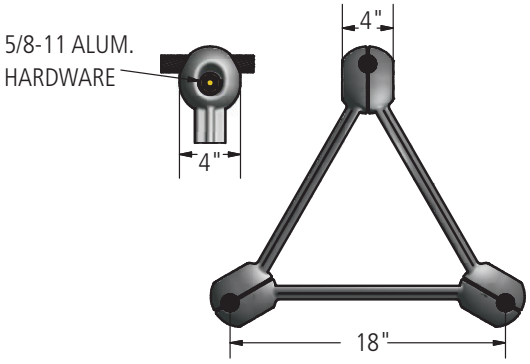
Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, and lockwashers.




38400-EHV




38500-EHV

### Ordering Information

| CATALOG NUMBER | | CABLE RANGE | | | NOMINAL WEIGHT LBS | |
|---|---|---|---|---|---|---|
| BI-SPACER | TRI-SPACER | DIAMETER | AAC | ACSR | BI-SPACER | TRI-SPACER |
| 38401EHV | 38501EHV | 1.001 - 1.062 | 795 | 636 (30/19) - 715 (26/7) | 4.9 | 9.4 |
| 38402EHV | 38502EHV | 1.063 - 1.130 | 900 - 954 | 795 (45/7) - 795 (26/7) | 5.1 | 10.0 |
| 38403EHV | 38503EHV | 1.131 - 1.196 | 1000 - 1033.5 | 900 (45/7) - 954 (54/7) | 4.9 | 9.4 |
| 38404EHV | 38504EHV | 1.197 - 1.252 | 1113 | 1033 (45/7) - 1033 (54/7) | 5.0 | 9.7 |
| 38405EHV | 38505EHV | 1.253 - 1.312 | 1192.5 - 1272 | 1113 (45/7) - 1192.5 (45/7) | 5.0 | 9.7 |
| 38406EHV | 38506EHV | 1.313 - 1.375 | 1351.5 | 1192.5 (54/19) - 1272 (45/7) | 5.0 | 9.7 |
| 38407EHV | 38507EHV | 1.376 - 1.437 | 1431 - 1510.5 | 1272 (54/19) - 1431 (45/7) | 5.0 | 9.7 |
| 38408EHV | 38508EHV | 1.438 - 1.518 | 1590 | 1431 (54/19) - 1590 (45/7) | 4.9 | 9.4 |
| 38409EHV | 38509EHV | 1.519 - 1.599 | 1750 | 1590 (54/19) | 4.7 | 9.1 |
| 38410EHV | 38510EHV | 1.600 - 1.680 | 2000 | 1780 (84/19) | 4.8 | 9.1 |
| 38411EHV | 38511EHV | 1.681 - 1.762 | 2250 | 2034 (72/7) - 2156 (84/19) | 4.7 | 9.1 |
| 38412EHV | 38512EHV | 1.763 - 1.843 | 2500 | 2312 (76/19) | 4.6 | 9.1 |



© 2011, AFL, all rights reserved. PP-3-00199, Revision 0, 3.7.11
Specifications are subject to change without notice.

# DOSSERT®
## TYPE 38300-EHV



### Spacers (Cable) Recommended for Voltages up to 500 kV

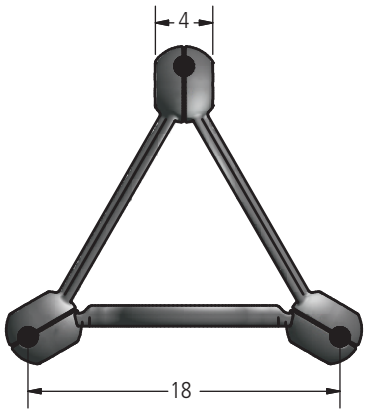
Three-Conductor strain bus support is designed to be corona free for 500 kV service. Support is companion to 38500 series tri-spacer.

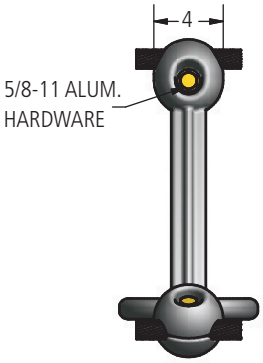
### Material

Aluminum Alloy

### Mounting Hardware

Yellow anodized aluminum bolts, nuts, and lockwashers.






### Ordering Information

| CATALOG NUMBER | | CABLE RANGE | | |
|---|---|---|---|---|
| 5" BOLT CIRCLE | 7" BOLT CIRCLE | DIAMETER | AAC | ACSR |
| 38301-5EHV | 38301-7EHV | 1.001 - 1.062 | 795 | 636 (30/19) - 715 (26/7) |
| 38302-5EHV | 38302-7EHV | 1.063 - 1.130 | 900 - 954 | 795 (45/7) - 795 (26/7) |
| 38303-5EHV | 38303-7EHV | 1.131 - 1.196 | 1000 - 1033.5 | 900 (45/7) - 954 (54/7) |
| 38304-5EHV | 38304-7EHV | 1.197 - 1.252 | 1113 | 1033 (45/7) - 1033 (54/7) |
| 38305-5EHV | 38305-7EHV | 1.253 - 1.312 | 1192.5 - 1272 | 1113 (45/7) - 1192.5 (45/7) |
| 38306-5EHV | 38306-7EHV | 1.313 - 1.375 | 1351.5 | 1192.5 (54/19) - 1272 (45/7) |
| 38307-5EHV | 38307-7EHV | 1.376 - 1.437 | 1431 - 1510.5 | 1272 (54/19) - 1431 (45/7) |
| 38308-5EHV | 38308-7EHV | 1.438 - 1.518 | 1590 | 1431 (54/19) - 1590 (45/7) |
| 38309-5EHV | 38309-7EHV | 1.519 - 1.599 | 1750 | 1590 (54/19) |
| 38310-5EHV | 38310-7EHV | 1.600 - 1.680 | 2000 | 1780 (84/19) |
| 38311-5EHV | 38311-7EHV | 1.681 - 1.762 | 2250 | 2034 (72/7) - 2156 (84/19) |
| 38312-5EHV | 38312-7EHV | 1.763 - 1.843 | 2500 | 2312 (76/19) |





© 2011, AFL, all rights reserved. PP-3-00198, Revision 0, 3.7.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE CSBE-V-AA, 4040-EHV, 6040-EHV

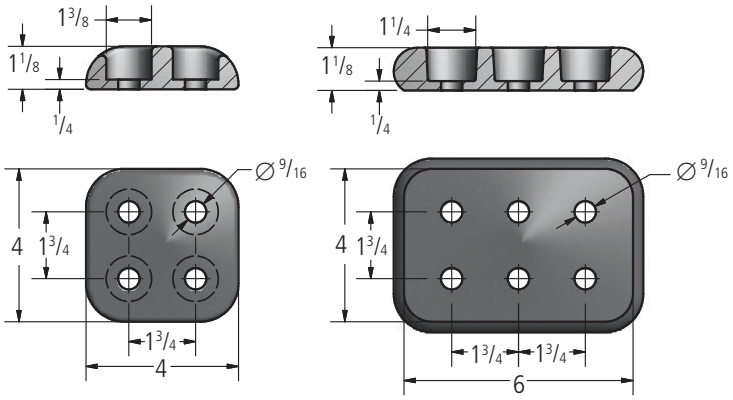
Designed to be corona free for 500 kV service.



CSBE-V-AA

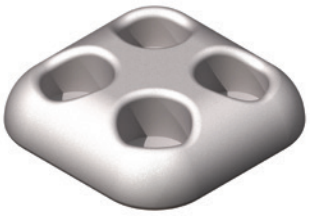
### Material

Aluminum Alloy




4040-EHV

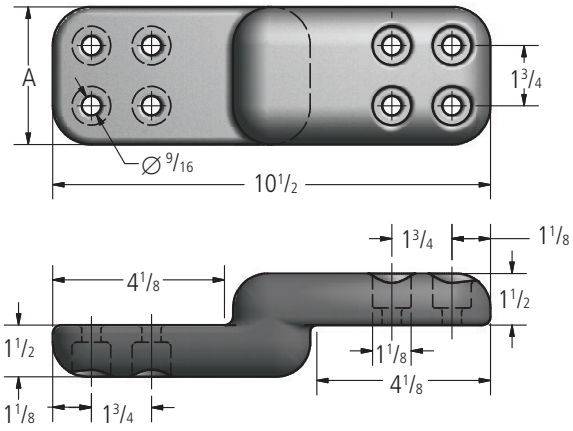
6040-EHV



4040-EHV



6040-EHV




CSBE-4N4-V-AA

### Ordering Information

| CATALOG NUMBER | NUMBER OF HOLES | DIMENSIONS IN INCHES |
|---|---|---|
| | | A |
| CSBE-4N4-V-AA | 4 | 4 |
| CSBE-6N4-V-AA | 6 | 6 |
| 4040-EHV | 4 | - |
| 6040-EHV | 6 | - |





© 2011, AFL, all rights reserved. PP-3-00292, Revision 1, 12.4.13
Specifications are subject to change without notice.

# 345/500 kV Aluminum Parallel Clamps

## DOSSERT®

## TYPE PC-V-AA

### Parallel Groove Clamp

Bolted parallel groove clamp is designed to have better corona characteristics than the conductors on which it is installed. Designed for 500 kV service.

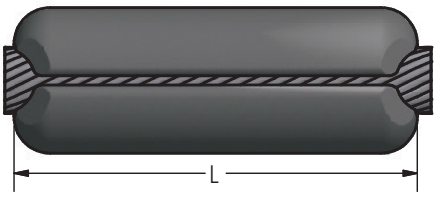


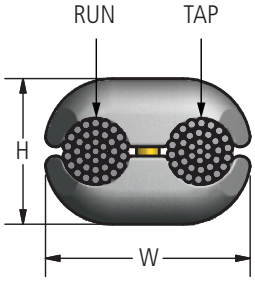
### Material

Aluminum Alloy

### Hardware

Aluminum nuts, bolts and lockwashers.




### Ordering Information

| CATALOG NUMBER | CONDUCTOR TYPE | CABLE RANGE RUN | | CABLE RANGE TAP | | DIMENSIONS IN INCHES | | | BOLT SIZE | NO. OF BOLTS |
|---|---|---|---|---|---|---|---|---|---|---|
| | | MIN | MAX | MIN | MAX | L | H | W | | |
| PC80-80-V-AA | AAC | 795 MCM | 800 MCM | 795 MCM | 800 MCM | 7 1/4 | 3 1/4 | 3 3/4 | 1/2 | 3 |
| | ACSR | 715.5 (24/7) | 795 (36/1) | 715.5 (24/7) | 795 (36/1) | | | | | |
| PC103-103-V-AA | AAC | 900 MCM | 1033.5 MCM | 900 MCM | 1033.5 MCM | 7 1/4 | 3 1/4 | 4 | 1/2 | 3 |
| | ACSR | 795 (36,1) | 954 (54,7) | 795 (36,1) | 954 (54,7) | | | | | |
| PC127-103-V-AA | AAC | 1113 MCM | 1113 MCM | 1000 MCM | 1033.5 MCM | 7 1/4 | 3 1/4 | 4 1/4 | 1/2 | 3 |
| | ACSR | 1113 (54/19) | 1113 (54/19) | 954 (54,7) | 954 (54,7) | | | | | |
| PC127-127-V-AA | AAC | 1113 MCM | 1272 MCM | 1113 MCM | 1272 MCM | 7 1/4 | 3 1/4 | 4 3/8 | 1/2 | 3 |
| | ACSR | 1113 (45/7) | 1113 (54/19) | 1113 (45/7) | 1113 (54/19) | | | | | |
| PC130-80-V-AA | AAC | 1272 MCM | 1351.5 MCM | 795 MCM | 800 MCM | 7 1/4 | 3 1/4 | 4 1/8 | 1/2 | 3 |
| PC130-130-V-AA | AAC | 1272 MCM | 1351.5 MCM | 1272 MCM | 1351.5 MCM | 7 1/4 | 3 1/4 | 4 3/8 | 1/2 | 3 |
| PC160-160-V-AA | AAC | 1590 MCM | 1600 MCM | 1590 MCM | 1600 MCM | 8 3/4 | 3 1/2 | 4 3/4 | 5/8 | 3 |
| | ACSR | 1431 (54/19) | 1510.5 (45/7) | 1431 (54/19) | 1510.5 (45/7) | | | | | |
| PC180-103-V-AA | AAC | 1700 MCM | 1800 MCM | 900 MCM | 1033.5 MCM | 7 1/4 | 3 1/4 | 4 7/16 | 1/2 | 3 |
| | ACSR | 1590 (45/7) | 1590 (54/19) | 795 (36/1) | 954 (54/7) | | | | | |
| PC180-127-V-AA | AAC | 1700 MCM | 1800 MCM | 1113 MCM | 1272 MCM | 7 1/4 | 3 1/4 | 4 19/32 | 1/2 | 3 |
| | ACSR | 1590 (45/7) | 1590 (54/19) | 1113 (45/7) | 1113 (54/19) | | | | | |
| PC205-65-V-AA | AAC | — | 2000 MCM | 600 MCM | 650 MCM | 7 1/4 | 3 3/8 | 4 3/8 | 1/2 | 3 |
| | ACSR | 1780 (84/19) | 2034.5 (72/7) | 477 (26/7) | 556.5 (27/7) | | | | | |
| PC205-205-V-AA | AAC | — | 2000 MCM | — | 2000 MCM | 8 3/4 | 3 1/2 | 5 | 5/8 | 3 |
| | ACSR | 1780 (84/19) | 2034.5 (72/7) | 1780 (84/19) | 2034.5 (72/7) | | | | | |
| PC216A-216A-V-AA | AAC | 2250 MCM | 2500 MCM | 2250 MCM | 2500 MCM | 11 | 4 | 5 1/2 | 5/8 | 4 |
| | ACSR | 2156 (84/19) | 2167 (72/7) | 2156 (84/19) | 2167 (72/7) | | | | | |



© 2011, AFL, all rights reserved. PP-3-00393, Revision 6, 3.24.2023
Specifications are subject to change without notice.

# DOSSERT®

## TYPE PC-V-AA

### Parallel Groove Clamp

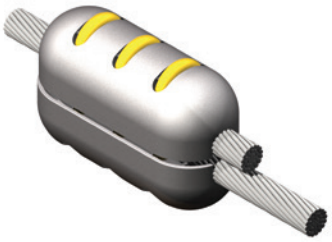
### Ordering Information (cont.)

| CATALOG NUMBER | CONDUCTOR TYPE | CABLE RANGE RUN | | CABLE RANGE TAP | | DIMENSIONS IN INCHES | | | BOLT SIZE | NO. OF BOLTS |
|---|---|---|---|---|---|---|---|---|---|---|
| | | MIN | MAX | MIN | MAX | L | H | W | | |
| PC275-275-V-AA | AAC | — | 2750 MCM | — | 2750 MCM | 11 | 4 1/8 | 5 5/8 | 5/8 | 4 |
| | ACSR | — | 2515 (76/19) | — | 2515 (76/19) | | | | | |
| PC350-80-V-AA | AAC | — | 3500 MCM | 795 MCM | 800 MCM | 7 1/4 | 3 13/16 | 4 11/16 | 5/8 | 3 |
| | ACSR | — | — | 715.5 (24/7) | 795 (36/1) | | | | | |
| PC350-127-V-AA | AAC | — | 3500 MCM | 1113 MCM | 1272 MCM | 11 | 4 1/2 | 4 1/8 | 5/8 | 4 |
| | ACSR | — | — | 1113 (45/7) | 1113 (54/19) | | | | | |



© 2011, AFL, all rights reserved. PP-3-00393, Revision 6, 3.24.2023
Specifications are subject to change without notice.

# DOSSERT®
## TYPE 35600-EHV



### Parallel Groove Clamp

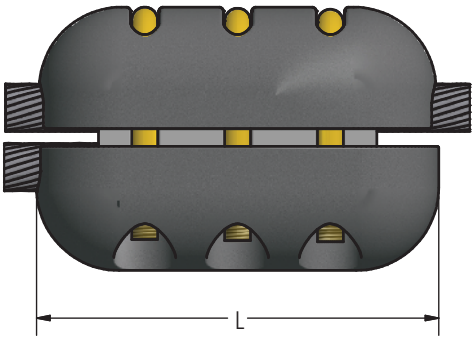
Bolted parallel groove clamp designed to have better corona characteristics than the conductors on which it is installed.

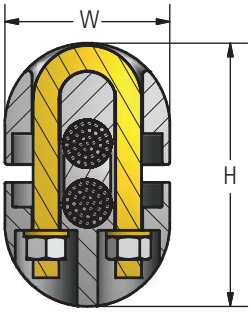
### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum nuts, U-bolts and lockwashers.






### Ordering Information

| CATALOG NUMBER | CONDUCTOR DIAMETER | DIMENSIONS IN INCHES | | | NO. OF BOLTS | NOMINAL WEIGHT LBS |
|---|---|---|---|---|---|---|
| | | L | W | H | | |
| 35626 EHV | 1.162 | 9.75 | 4.00 | 6.38 | 3 | 9.4 |
| 35627 EHV | 1.569 | 11.75 | 5.00 | 6.94 | 3 | 14.5 |
| 35628 EHV | 1.757 | 14.75 | 5.00 | 7.16 | 4 | 17.4 |



© 2011, AFL, all rights reserved. PP-3-00195, Revision 0, 3.4.11
Specifications are subject to change without notice.

# DOSSERT®
# TYPE SCB-F-V-AA



## Stud Connector

The pad is finished on both sides. Can be furnished to accommodate stud diameters or threads per inch other than listed below. Designed for 500 kV service.

## Material

Aluminum Alloy

## Hardware

Yellow anodized aluminum nuts, bolts and lockwashers.

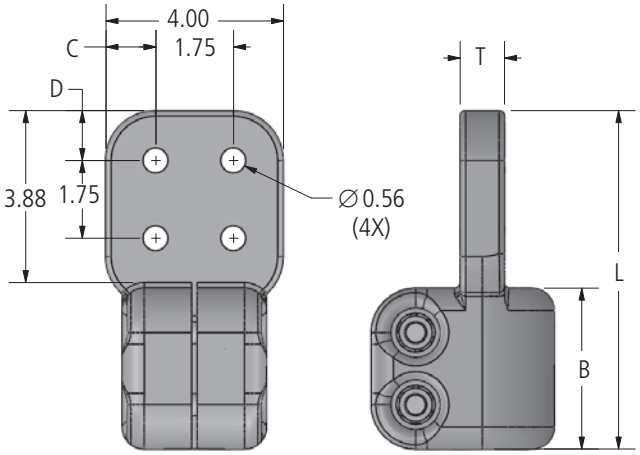



FIG. 1

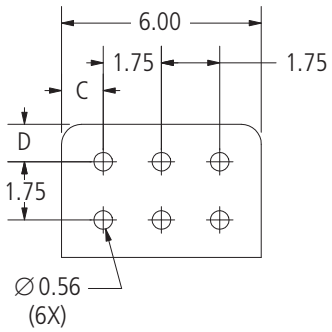



FIG. 2

## Ordering Information

| CATALOG NUMBER | FIG. NO. | STUD SIZE | | DIMENSIONS IN INCHES | | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|---|---|
| | | DIAMETER | THREADS PER INCH | B | C | D | L | T | |
| SCB112-1/2F-4N4-V-T12-AA | 1 | 1.13 | 12 | 2.75 | 1.13 | 1.13 | 7.50 | 0.50 | 1/2 |
| SCB175-1F-4N4-V-T12-AA | 1 | 1.75 | 12 | 3.00 | 1.13 | 1.13 | 7.75 | 1.00 | 1/2 |
| SCB150-3/4F-4N4-V-T12-AA | 1 | 1.50 | 12 | 3.00 | 1.13 | 1.13 | 7.75 | 0.75 | 1/2 |
| SCB200-3/4F-4N4-V-T12-AA | 1 | 2.00 | 12 | 3.00 | 1.13 | 1.13 | 7.75 | 0.75 | 1/2 |
| SCB197-3/4F-4N4-V-T0-AA | 1 | 50 MM | 0 | 3.00 | 1.13 | 1.13 | 7.75 | 0.75 | 1/2 |
| SCB200-1F-4N4-V-T12-AA | 1 | 2.00 | 12 | 3.00 | 1.13 | 1.13 | 7.75 | 1.00 | 1/2 |
| SCB250-1F-6N4-V-T12-AA | 2 | 2.50 | 12 | 3.25 | 1.25 | 1.13 | 7.94 | 1.00 | 1/2 |
| SCB300-3/4F-4N4-V-T12-AA | 1 | 3.00 | 12 | 3.88 | 1.13 | 1.13 | 8.13 | 0.75 | 1/2 |
| SCB300-1F-4N4-V-T12-AA | 1 | 3.00 | 12 | 3.25 | 1.13 | 1.13 | 8.13 | 1.00 | 1/2 |
| SCB300-1F-6N4-V-T12-AA | 2 | 3.00 | 12 | 3.25 | 1.25 | 1.13 | 8.13 | 1.00 | 1/2 |
| SCB300-4.5B-1F-6N4-V-T12-AA | 2 | 3.00 | 12 | 4.50 | 1.25 | 1.13 | 9.38 | 1.00 | 5/8 |
| SCB315-1F-4N4-V-T0-AA | 1 | 80 MM | 0 | 3.50 | 1.13 | 1.13 | 8.13 | 1.00 | 1/2 |
| SCB350-1.13F-4N4-V-T12-AA | 1 | 3.50 | 12 | 3.50 | 1.13 | 1.13 | 8.38 | 1.13 | 5/8 |

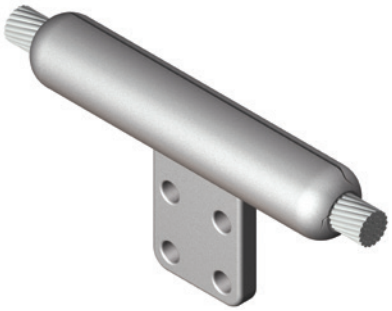




© 2011, AFL, all rights reserved. PP-3-00449, Revision 3, 6.1.18
Specifications are subject to change without notice.

# DOSSERT®

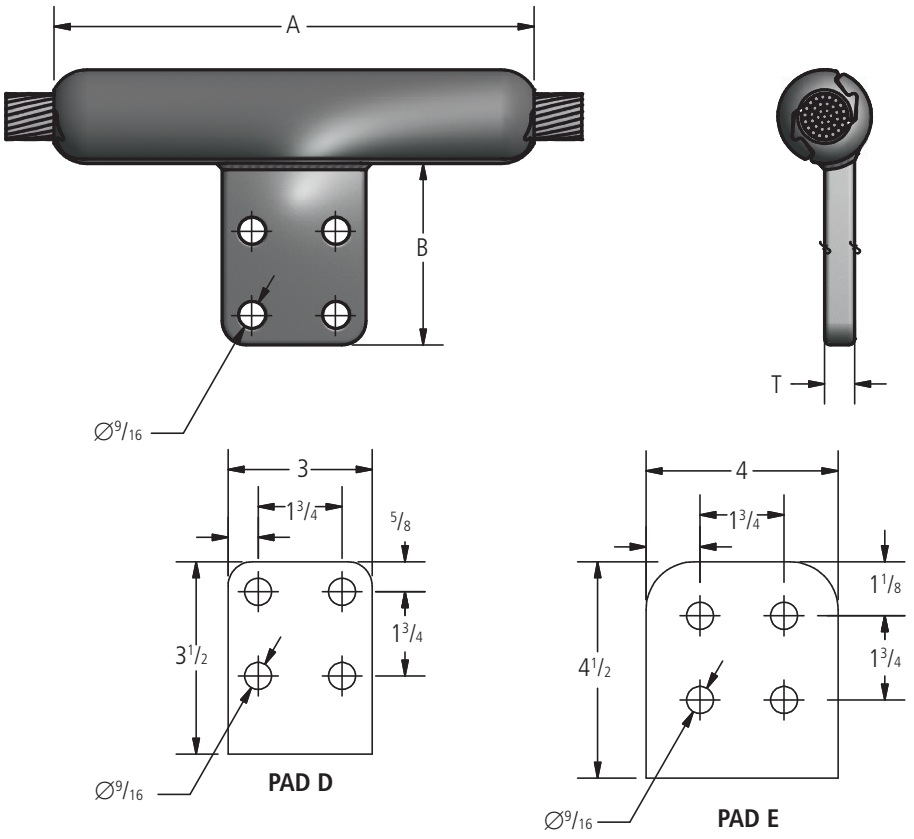
## Type 2800-EHV, 5300-EHV



Substation tee connector is designed for limited space application as found in substations. Run length is shorter than conventional tee taps which saves space and allows faster installation. Tee tap is installed with standard AFL hex dies.

### Material

Aluminum Alloy




### Ordering Information

| CATALOG NUMBER | CONDUCTOR RANGE | | DIE SIZE | ALTERNATE CATALOG NUMBER | ALTERNATE PAD SIZE | DIMENSIONS IN INCHES | | | NOMINAL WEIGHT |
|---|---|---|---|---|---|---|---|---|---|
| | DIAMETER | AAC | | | | A | T | B | LBS |
| 2830.1 EHV | 1.021 - 1.196 | 795 - 1033.5 kcmil | 30AH | 2830.1E EHV | E | 10.00 | 0.62 | 4.00 | 2.6 |
| 2834.1 EHV | 1.140 - 1.319 | 1000 - 1300 kcmil | 34AH | 2834.1E EHV | E | 11.50 | 0.62 | 4.00 | 3.4 |
| 2836.1 EHV | 1.320 - 1.417 | 1351.5 - 1510.5 kcmil | 36AH | 2836.1E EHV | E | 11.50 | 0.62 | 4.00 | 3.7 |
| 2838.1 EHV | 1.412 - 1.500 | 1510.5 - 1590 kcmil | 38AH | 2838.1E EHV | E | 12.00 | 0.62 | 4.00 | 4.3 |
| 2840.1 EHV | 1.496 - 1.557 | 1750 kcmil | 40AH | 2840.1E EHV | E | 12.50 | 0.62 | 4.00 | 4.8 |
| 2842.1 EHV | 1.550 - 1.625 | - | 42AH | 2842.1D EHV | D | 14.00 | 0.75 | 4.50 | 6.4 |
| 2844.1 EHV | 1.626 - 1.842 | 2250 - 2500 kcmil | 44AH | 2844.1D EHV | D | 14.00 | 0.75 | 4.50 | 6.3 |
| 2848.1 EHV | 1.843 - 1.996 | 2750 kcmil | 48AH | 2848.1D EHV | D | 16.00 | 0.75 | 4.50 | 7.1 |





© 2011, AFL, all rights reserved. PP-3-00169, Revision 1, 12.4.13
Specifications are subject to change without notice.

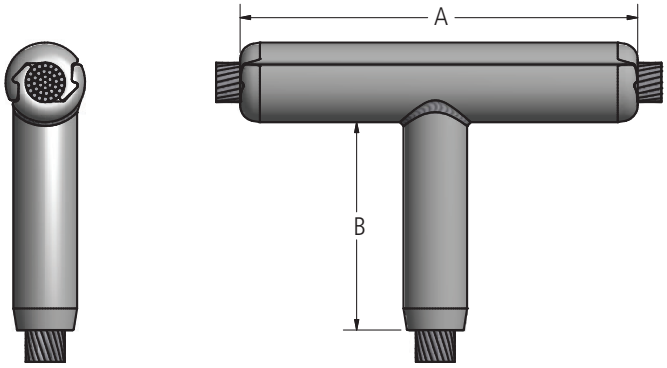
# DOSSERT®
## Type 2900-EHV

Substation tee connector is designed for limited space application as found in substations. Designed for 500 kV service. Run and tap lengths are shorter than conventional tee connectors which saves space and minimizes birdcaging problems. Tee connector is installed with standard AFL hex dies.



### Material

Aluminum Alloy




### Ordering Information

| CATALOG NUMBER | CONDUCTOR | | | | DIMENSIONS IN INCHES | | NOMINAL WEIGHT LBS | DIE SIZE |
|---|---|---|---|---|---|---|---|---|
| | RUN | | TAP | | | | | |
| | DIAMETER | AAC RANGE | DIAMETER | AAC RANGE | A | B | | |
| 2930.1-30.1 EHV | 1.021 - 1.196 | 795 - 1033.5 | 1.026 - 1.196 | 795 - 1033.5 | 10.00 | 5.67 | 2.9 | 30AH |
| 2934.1-34.1 EHV | 1.140 - 1.319 | 1000 - 1272 | 1.186 - 1.313 | 1113 - 1272 | 11.30 | 6.03 | 4.1 | 34AH |
| 2936.1-36.1 EHV | 1.340 - 1.417 | 1351.5 - 1510.5 | 1.314 - 1.399 | 1351.5 - 1431 | 11.50 | 6.29 | 4.6 | 36AH |
| 2938.1-38.1 EHV | 1.412 - 1.500 | 1510.5 - 1590 | 1.399 - 1.500 | 1510.5 - 1590 | 12.00 | 6.55 | 5.4 | 38AH |
| 2940.1-40.1 EHV | 1.496 - 1.557 | 1750.0 | 1.501 - 1.630 | 1750 - 2000 | 12.50 | 7.02 | 6.1 | 40AH |
| 2942.1-42.1 EHV | 1.550 - 1.625 | - | 1.630 - 1.681 | 2000 | 14.00 | 7.29 | 7.2 | 42AH |
| 2944.1-44.1 EHV | 1.626 - 1.717 | 2000 - 2250 | 1.630 - 1.681 | 2000 | 14.00 | 7.74 | 7.9 | 44AH |
| 2944.2-44.2 EHV | 1.718 - 1.842 | 2250 - 2500 | 1.669 - 1.823 | 2000 - 2500 | 15.00 | 7.74 | 8.1 | 44AH |
| 2948.1-48.1 EHV | 1.843 - 1.998 | 2750 - 3000 | 1.823 - 1.998 | 2500 - 3000 | 16.00 | 8.77 | 9.4 | 48AH |





© 2011, AFL, all rights reserved. PP-3-00170, Revision 0, 3.10.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE 5400

### Tee Connector—Closed Run Compression for Stranded AAC and ACSR Conductions

Designed for 500 kV service.

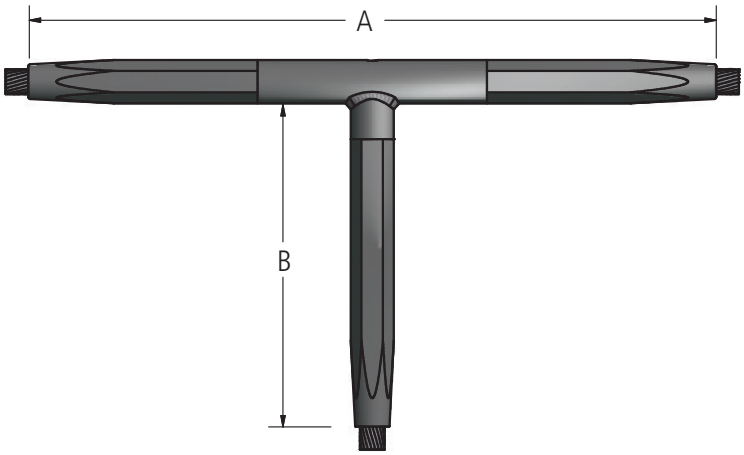


### Material

Aluminum Alloy Lockwashers

### Notes

Join the partial catalog numbers shown for the run and branch conductors.
EX: 5436.147-347.138




### Ordering Information

| RUN CONDUCTOR | | | | |
|---|---|---|---|---|
| CATALOG NUMBER | CONDUCTOR RANGE | | DIMENSIONS IN INCHES | DIE SIZE |
| | AAC | ACSR | A | |
| 5430.109 | 795-800 | 715.5(24/7)-795(36/1) | 19.12 | 30AH |
| 5430.116 | 900 | 795(45/7)-795(26/7) | 19.12 | 30AH |
| 5430.122 | 954-1033.5 | 795(30/19)-954(36/1) | 19.12 | 30AH |
| 5430.125 | — | 954(54/7)-1033.5(36/1) | 19.12 | 30AH |
| 5434.128 | 1113 | 1033.5(45/7)-1033.5(54/7) | 20.12 | 34AH |
| 5434.138 | 1272 | 1113(54/19)-1192.5(45/7) | 20.12 | 34AH |
| 5436.144 | 1351.5-1431 | 1192.5(54/19)-1272(45/7) | 21.00 | 36AH |
| 5436.147 | 1500-1510.5 | 1272(54/19)-1351.5(45/7) | 21.00 | 36AH |
| 5438.156 | 1590 | 1431(54/19)-1510.5(45/7) | 21.88 | 38AH |
| 5440.162 | 1750 | 1510.5(54/19)-1590(54/19) | 22.75 | 40AH |
| 5442.178 | 2000 | 1780(84/19)-2034.5(72/7) | 23.62 | 42AH |
| 5444.184 | 2338 ACAR | 2156(72/7) | 26.75 | 44AH |
| 5444.188 | 2500 | 2312(76/19) | 26.75 | 44AH |

| BRANCH CONDUCTOR | | | | |
|---|---|---|---|---|
| CATALOG NUMBER | CONDUCTOR RANGE | | DIMENSIONS IN INCHES | DIE SIZE |
| | AAC | ACSR | B | |
| -30.109 | 795-800 | 715.5(24/7)-795(36/1) | 9.44 | 30AH |
| -30.116 | 900 | 795(45/7)-795(26/7) | 9.44 | 30AH |
| -30.122 | 954-1033.5 | 795(30/19)-954(36/1) | 9.44 | 30AH |
| -30.125 | — | 954(54/7)-1033.5(36/1) | 9.44 | 30AH |
| -34.128 | 1113 | 1033.5(45/7)-1033.5(54/7) | 10.06 | 34AH |
| -34.138 | 1272 | 1113(54/19)-1192.5(45/7) | 10.06 | 34AH |
| -36.144 | 1351.5-1431 | 1192.5(54/19)-1272(45/7) | 10.62 | 36AH |
| -36.147 | 1500-1510.5 | 1272(54/19)-1351.5(45/7) | 10.62 | 36AH |
| -38.156 | 1590 | 1431(54/19)-1510.5(45/7) | 10.62 | 38AH |
| -40.162 | 1750 | 1510.5(54/19)-1590(54/19) | 11.75 | 40AH |
| -42.178 | 2000 | 1780(84/19)-2034.5(72/7) | 12.38 | 42AH |
| -44.184 | 2338 ACAR | 2156(72/7) | 12.00 | 44AH |
| -44.188 | 2500 | 2312(76/19) | 12.00 | 44AH |





© 2011, AFL, all rights reserved. PP-3-00204, Revision 1, 4.2.14
Specifications are subject to change without notice.

# DOSSERT®

## TYPE 5500

### Tee Connector – Open Run – Compression for Stranded EC & ACSR Conductors



Designed for 500 kV service.

### Material

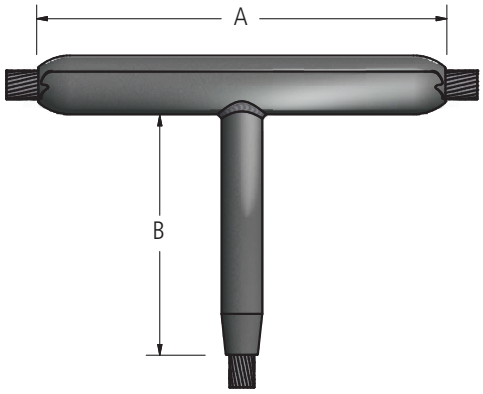
Aluminum Alloy

To order combine Run conductor catalog number with Branch catalog number.

XXXX.X - XX.XXX

- XXXX.X: Run conductor catalog number
- XX.XXX: Branch conductor catalog number

Example: for 795(36/1) Run conductor to 795(26/7)
Branch conductor order 5530.3 -30.116




### Ordering Information

| RUN CONDUCTOR | | | | | | |
|---|---|---|---|---|---|---|
| CATALOG NUMBER | CONDUCTOR RANGE | | | DIMENSIONS IN INCHES | NOMINAL WEIGHT | DIE SIZE |
| | DIAMETER | AAC | ACSR | A | | |
| 5530.3 | 1.021-1.196 | 795-1033.5 | 715.5(24/7)-1033.5(36/1) | 19.12 | 3.3 | 30AH |
| 5534.3 | 1.197-1.319 | 1113-1300 | 1033.5(54/7)-1192.5(45/7) | 20.12 | 4.5 | 34AH |
| 5536.3 | 1.320-1.417 | 1351.5-1510.5 | 1192.5(54/19)-1351.5(45/7) | 21.00 | 5.0 | 36AH |
| 5538.3 | 1.412-1.500 | 1500-1590 | 1351.5(54/9)-1510.5(45/7) | 21.88 | 5.9 | 38AH |
| 5540.3 | 1.496-1.557 | 1750 | 1510.5(54/19)-1590(54/19) | 22.75 | 6.6 | 40AH |
| 5542.3 | 1.550-1.625 | - | 1780(84/19) | 23.62 | 7.7 | 42AH |
| 5544.3 | 1.626-1.842 | 2000-2500 | 2034(72/7)2312(76/19) | 26.75 | 6.8 | 44AH |





© 2011, AFL, all rights reserved. PP-3-00205, Revision 0, 3.10.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE 5500

### Tee Connector – Open Run – Compression for Stranded EC & ACSR Conductors

### Ordering Information

| BRANCH CONDUCTOR | | | | | |
|---|---|---|---|---|---|
| CATALOG NUMBER | CONDUCTOR RANGE | | DIMENSIONS IN INCHES | NOMINAL WEIGHT | DIE SIZE |
| | AAC | ACSR | B | | |
| -30.109 | 795-800 | 715.5(24/7)-795(36/1) | 1.7 | 9.44 | 30AH |
| -30.116 | 900 | 795(45/7)-795(26/7) | 1.7 | 9.44 | 30AH |
| -30.122 | 954-1033.5 | 795(30/19)-954(36/1) | 1.7 | 9.44 | 30AH |
| -30.125 | - | 954(54/7)-1033.5(36/1) | 1.7 | 10.06 | 30AH |
| -34.128 | 1113 | 1033.5(45/7)-1033.5(54/7) | 2.2 | 10.06 | 34AH |
| -34.138 | 1272 | 1113(54/19)-1192.5(45/7) | 2.2 | 10.06 | 34AH |
| -36.144 | 1351.5-1431 | 1192.5(54/19)-1272(45/7) | 2.5 | 10.62 | 36AH |
| -36.147 | 1500-1510.5 | 1272(54/19)-1351.5(45/7) | 2.5 | 10.62 | 36AH |
| -38.156 | 1590 | 1431(54/19)-1510.5(45/7) | 3.0 | 11.19 | 38AH |
| -40.162 | 1750 | 1510.5(54/19)-1590(54/19) | 3.4 | 11.75 | 40AH |
| -42.178 | 2000 | 1780(84/19)-2034.5(72/7) | 3.9 | 12.38 | 42AH |
| -44.184 | 2338 ACAR | 2156(72/7) | 4.0 | 12.00 | 44AH |
| -44.188 | 2500 | 2312(76/19) | 4.0 | 12.00 | 44AH |





© 2011, AFL, all rights reserved. PP-3-00205, Revision 0, 3.10.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE 5000-EHV

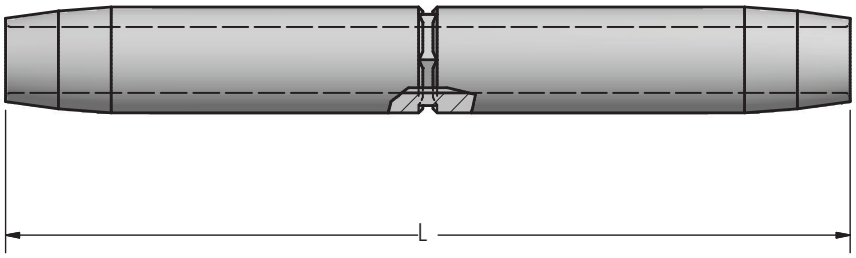
### Jumper Connector-Compression



The 5000 Series Jumper Connector is designed for AAC conductors. The jumper connector is fabricated from AFL seamless drawn aluminum. All jumper connectors are designed for limited tension use, maintaining a minimum of 40% of the ASTM rated strength of the conductor on which it is being used.

### Material

Aluminum Alloy




### Ordering Information

| CONDUCTOR SIZE | | | CATALOG NUMBER | DIE SIZE | NOMINAL WEIGHT | DIMENSION IN INCHES |
|---|---|---|---|---|---|---|
| KCM | STRAND | | | | | |
| | AL. | ST. | | | LBS | L |
| 795.0 | 37 & 61 | - | 5030.109 | 30AH | 2.1 | 13 |
| 795.0 | 26 | 7 | 5030.116 | 30AH | 2.0 | 13 |
| 954.0 | 37 & 61 | - | 5030.122 | 30AH | 1.8 | 13 |
| 954.0 | 45 | 7 | 5030.122 | 30AH | 1.8 | 13 |
| 954.0 | 54 | 7 | 5030.125 | 30AH | 1.8 | 13 |
| 1033.5 | 45 | 7 | 5034.128 | 34AH | 2.8 | 14 |
| 1113.0 | 61 | - | 5034.128 | 34AH | 2.8 | 14 |
| 1192.5 | 45 | 7 | 5034.138 | 34AH | 2.5 | 14 |
| 1272.0 | 45 | 7 | 5036.144 | 36AH | 3.2 | 15 |
| 1351.5 | 45 | 7 | 5036.147 | 36AH | 3.1 | 15 |
| 1590.0 | 61 & 91 | - | 5038.156 | 38AH | 3.8 | 16 |
| 1590.0 | 45 | 7 | 5040.162 | 40AH | 4.5 | 17 |
| 1780.0 | 84 | 19 | 5042.178 | 42AH | 4.6 | 17 |
| 2156.0 | 84 | 19 | 5044.184 | 44AH | 5.1 | 17 |
| 2500.0 | 91 | - | 5044.188 | 44AH | 5.0 | 17 |



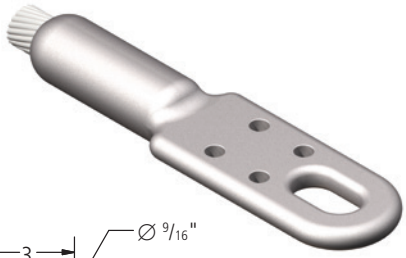


© 2011, AFL, all rights reserved. PP-3-00202, Revision 0, 3.10.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE 2500-EHV

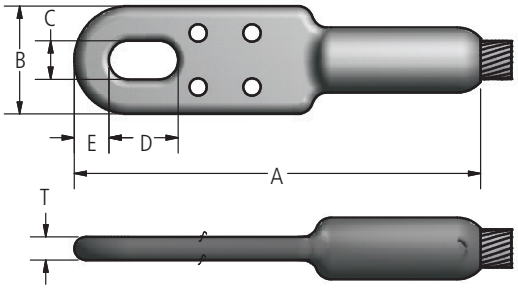
### Substation Compression Dead Ends for Stranded EC and ACSR Conductors

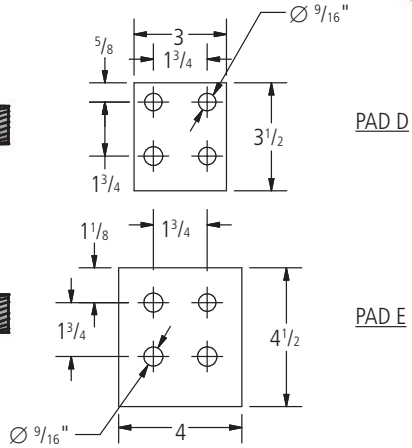


Substation dead end is designed for limited tension applications as found in substations. Designed for 500 kV service. Unique one piece design combines dead end barrel and terminal pad into single compact assembly. Dead end is installed with standard AFL hex dies. Terminal pad is standard NEMA pad size.

### Material

Aluminum Alloy




### Ordering Information

| CATALOG NUMBER | CONDUCTOR DIAMETER RANGE IN INCHES | AAC RANGE | ACSR RANGE | PAD SIZE | DIE SIZE | RATED STRENGTH | NOMINAL WEIGHT |
|---|---|---|---|---|---|---|---|
| | | | | | | LBS | |
| 2530.1-EHV | 1.026 - 1.196 | 795 - 1033.5 | 715.5(24/7) - 954(54/7) | D | 30 AH | 6800 | 2.8 |
| 2534.1-EHV | 1.186 - 1.313 | 1113-1272 | 1033.5(36/1)-1192.5(45/7) | D | 34 AH | 6800 | 3.3 |
| 2536.1-EHV | 1.314 - 1.399 | 1300-1431 | 1192.5(54/19) - 1351.5(45/7) | D | 36 AH | 9000 | 3.8 |
| 2538.1-EHV | 1.399 - 1.500 | 1351.5-1590 | 1351.5(45/7) - 1510.5(45/7) | D | 38 AH | 9000 | 3.7 |
| 2540.1-EHV | 1.501 - 1.630 | 1750 - 2000 | 1510.5(54/19) - 1780(84/19) | D | 40 AH | 9000 | 4.3 |
| 2544.1-EHV | 1.630 - 1.681 | 2000 | 2034(72/7) | E | 44 AH | 10000 | 6.9 |
| 2544.2-EHV | 1.669 - 1.823 | 2250 - 2500 | 2034(72/7) - 2312(76/19) | E | 44 AH | 10000 | 6.7 |
| 2548.1-EHV | 1.823 - 1.996 | 2500 - 2750 | 2515(76/19) | E | 48 AH | 10000 | 7.3 |
| 2548.2-EHV | 1.996 - 2.158 | 3000-3500 | - | E | 48 AH | 10000 | 6.9 |

| CATALOG NUMBER | DIMENSION IN INCHES | | | | | |
|---|---|---|---|---|---|---|
| | A | B | C | D | E | T |
| 2530.1-EHV | 13.20 | 3.50 | 1.25 | 2.25 | 1.50 | .75 |
| 2534.1-EHV | 13.81 | 3.50 | 1.25 | 2.25 | 1.50 | .75 |
| 2536.1-EHV | 14.21 | 3.50 | 1.25 | 2.25 | 1.50 | 1.00 |
| 2538.1-EHV | 14.53 | 3.50 | 1.25 | 2.25 | 1.50 | 1.00 |
| 2540.1-EHV | 14.75 | 3.50 | 1.25 | 2.25 | 1.50 | 1.00 |
| 2544.1-EHV | 17.45 | 4.12 | 1.35 | 2.50 | 1.63 | 1.13 |
| 2544.2-EHV | 17.45 | 4.12 | 1.35 | 2.50 | 1.63 | 1.13 |
| 2548.1-EHV | 17.68 | 4.12 | 1.35 | 2.50 | 1.63 | 1.13 |
| 2548.2-EHV | 17.68 | 4.12 | 1.35 | 2.50 | 1.63 | 1.13 |





© 2011, AFL, all rights reserved. PP-3-00165, Revision 1, 9.12.14
Specifications are subject to change without notice.

# DOSSERT®

## Type 2700-EHV, 2600-EHV

Substation straight terminals are designed for limited space applications as found in substations. Terminals are shorter than conventional terminals which saves space and allows for faster installation. Terminals are installed with standard AFL hex dies. Terminals can be supplied pre-filled if required.



2600-EHV



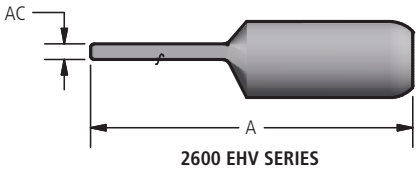
2700-EHV

### Material

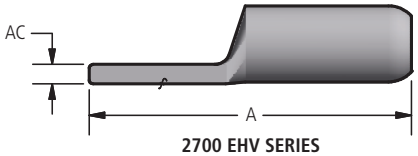
Aluminum Alloy

### Notes

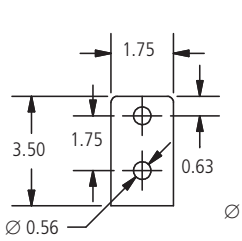
- For Pre-filled Terminals, add "P" to catalog number. EX: 2734.1EHVP
- For Electro Tin Plate, add "-SN" to catalog number. EX: 2734.1EHV-SN
- Other pad sizes can be custom ordered.



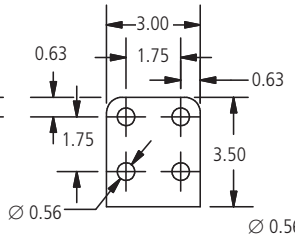

2600 EHV SERIES



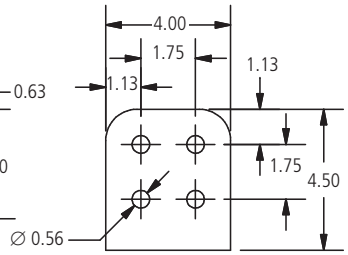

2700 EHV SERIES



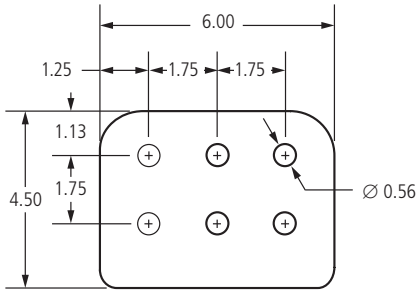

PAD B




PAD D




PAD E




PAD G

### Ordering Information

| CATALOG NUMBER | | CONDUCTOR RANGE | | | PAD SIZE | DIE SIZE | DIMENSIONS IN INCHES | | NOMINAL WEIGHT LBS |
|---|---|---|---|---|---|---|---|---|---|
| OFFSET PAD | CENTER FORMED PAD | DIAMETER | AAC | ACSR | | | A | AC | |
| 2730.1EHV | 2630.1EHV | 1.026 - 1.196 | 795 - 1033.5 | 715.5(24/7) - 954(54/7) | D | 30AH | 8.92 | 0.62 | 1.6 |
| 2734.1EHV | 2634.1EHV | 1.186 - 1.313 | 1113 - 1272 | 954(54/7) -1192.5(45/7) | D | 34AH | 9.28 | 0.62 | 1.9 |
| 2734.1EEHV | 2634.1EEHV | 1.186 - 1.313 | 1113 - 1272 | 954(54/7) -1192.5(45/7) | E | 34AH | 10.28 | 0.75 | 2.1 |
| 2736.1EHV | 2636.1EHV | 1.314 - 1.399 | 1300 - 1431 | 1192.5(54/19) - 1351.5(45/7) | D | 36AH | 9.54 | 0.62 | 2.1 |
| 2736.1EEHV | 2636.1EEHV | 1.314 - 1.399 | 1300 - 1431 | 1192.5(54/19) - 1351.5(45/7) | E | 36AH | 10.54 | 0.63 | 2.5 |
| 2738.1EHV | 2638.1EHV | 1.399 - 1.500 | 1500 - 1590 | 1351.5(54/19) - 1510.5(45/7) | D | 38AH | 9.69 | 0.62 | 2.3 |
| 2738.1GEHV | 2638.1GEHV | 1.399 - 1.500 | 1500 -1590 | 1351.5(54/19) - 1510.5(45/7) | G | 38AH | 10.38 | 0.63 | 3.1 |
| 2740.1EHV | 2640.1EHV | 1.501 - 1.630 | 1750 - 2000 | 1510.5(54/19) - 1780(84/19) | D | 40AH | 10.27 | 0.62 | 2.6 |
| 2744.1EHV | 2644.1EHV | 1.630 - 1.681 | 2000 | 2034(72/7) | E | 44AH | 11.61 | 0.75 | 4.0 |
| 2744.2EHV | 2644.2EHV | 1.669 - 1.823 | 2250 - 2500 | 2034(72/7) - 2312(76/19) | E | 44AH | 12.00 | 0.88 | 4.0 |
| 2748.1EHV | 2648.1EHV | 1.823 - 1.996 | 2500 - 2750 | 2515(76/19) | E | 48AH | 12.64 | 0.75 | 4.6 |
| 2748.2EHV | 2648.2EHV | 1.996 - 2.158 | 3000-3500 | — | E | 48AH | 12.64 | 0.75 | 4.0 |





© 2011, AFL, all rights reserved. PP-3-00167, Revision 5, 8.14.19
Specifications are subject to change without notice.

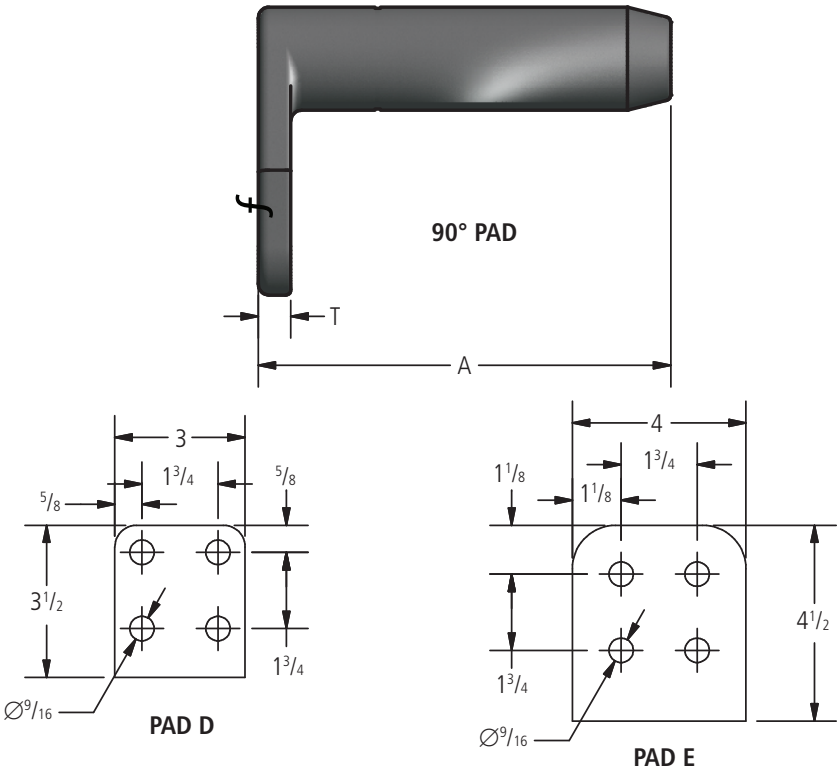
# DOSSERT®
## Type 3400-EHV



Substation 90° terminals are designed for limited space applications as found in substations. Designed for 500 kV service. Terminals are shorter that conventional terminals which saves space and allows for faster installation. Terminals are installed with standard AFL hex dies. Terminals can be supplied pre filled if required.

### Material

Aluminum Alloy




### Ordering Information

| CATALOG NUMBER | CONDUCTOR RANGE | | | PAD SIZE | DIE SIZE | DIMENSIONS IN INCHES | | NOMINAL WEIGHT LBS |
|---|---|---|---|---|---|---|---|---|
| | DIAMETER | AAC | ACSR | | | A | T | |
| 3430.1-EHV | 1.026 - 1.196 | 795 - 900 | 715.5(26/7) - 954(54/7) | D | 30AH | 6.03 | 0.62 | 1.3 |
| 3434.1-EHV | 1.186 - 1.313 | 954 - 1272 | 954(54/7) - 1192.5(45/7) | D | 34AH | 6.44 | 0.62 | 1.6 |
| 3436.1-EHV | 1.314 - 1.399 | 1351 - 1431 | 1192.5(54/19) - 1351.5(45/7) | D | 36AH | 6.72 | 0.62 | 1.7 |
| 3438.1-EHV | 1.399 - 1.500 | 1500 - 1590 | 1351.5(45/7) - 1510.5(45/7) | D | 38AH | 6.94 | 0.62 | 2.0 |
| 3440.1-EHV | 1.501 - 1.630 | 1750 - 2000 | 1510.5(54/19) - 1780(84/19) | D | 40AH | 7.38 | 0.62 | 2.2 |
| 3444.1-EHV | 1.630 - 1.681 | 2000 | 2034(72/7) | E | 44AH | 8.22 | 0.75 | 3.4 |
| 3444.2-EHV | 1.669 - 1.823 | 2250 - 2500 | 2034(72/7) - 2312(76/19) | E | 44AH | 8.22 | 0.75 | 3.3 |
| 3448.1-EHV | 1.823 - 1.996 | 2500 - 2750 | 2515(76/19) | E | 48AH | 9.22 | 0.75 | 4.5 |
| 3448.2-EHV | 1.996 - 2.158 | 2500 - 2750 | 2515(76/19) | E | 48AH | 9.22 | 0.75 | 4.0 |





© 2011, AFL, all rights reserved. PP-3-00177, Revision 1, 9.12.14
Specifications are subject to change without notice.

# DOSSERT®

## TYPE S5600-EHV, S5100-EHV

### Terminal Connectors

The S5600-EHV, S5100-EHV Series Terminal Connector is designed for ACSR and AAC conductors. Designed for 500 kV service. The terminal is fabricated from AFL seamless drawn aluminum.



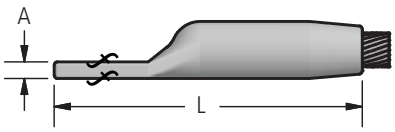
S5600-EHV

**Material**

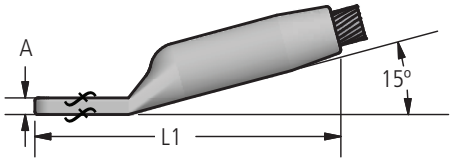
Aluminum Alloy

**Notes**

Other pad sizes can be custom ordered.



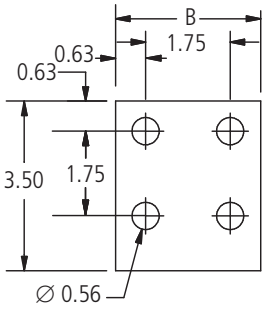

S5600-EHV



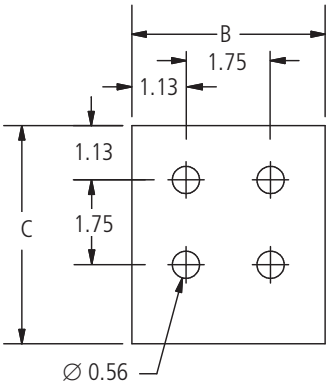

S5100-EHV



S5100-EHV




PAD D




PAD E

### Ordering Information

| CATALOG NUMBER | | CONDUCTOR | | | | | DIE SIZE ALUMINUM HEX DIE | DIMENSIONS IN INCHES | | | | | PAD SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STRAIGHT | 15 DEGREE | ACSR OR AAC | CODE WORD | SIZE KCMIL | STRANDING AL/ST | DIAMETER IN INCHES | | A | B | C | L | L1 | |
| S5624.938DEHV | S5124.938DEHV | ACSR | Flicker | 477 | 24/7 | 0.846 | 24AH | 0.50 | 3.00 | — | 9.25 | 10.25 | D |
| | | ACSR | Hawk | 477 | 26/7 | 0.858 | | | | | | | |
| | | ACSR | Hen | 477 | 30/7 | 0.883 | | | | | | | |
| | | ACSR | Osprey | 556.5 | 18/1 | 0.879 | | | | | | | |
| | | AAC | Dahlia | 556.5 | 19 | 0.856 | | | | | | | |
| | | AAC | Mistletoe | 556.5 | 37 | 0.858 | | | | | | | |
| | | AAC | Meadowsweet | 600 | 37 | 0.891 | | | | | | | |
| S5630.109EHV | S5130.109EHV | ACSR | Stilt | 715.5 | 24/7 | 1.036 | 30AH | 0.50 | 3.00 | — | 9.67 | 11.27 | D |
| | | ACSR | Starling | 715.5 | 26/7 | 1.051 | | | | | | | |
| | | ACSR | Coot | 795 | 36/1 | 1.040 | | | | | | | |
| | | AAC | Arbutus | 795 | 37 | 1.026 | | | | | | | |
| | | AAC | Lilac | 795 | 61 | 1.028 | | | | | | | |
| | | AAC | | 800 | 37 | 1.031 | | | | | | | |
| | | AAC | Heliotrope | 800 | 61 | 1.031 | | | | | | | |
| S5630.116EHV | S5130.116EHV | ACSR | Redwing | 715.5 | 30/19 | 1.081 | 30AH | 0.50 | 3.00 | — | 12.50 | 11.27 | D |
| | | ACSR | Tern | 795 | 45/7 | 1.063 | | | | | | | |
| | | ACSR | Condor | 795 | 54/7 | 1.093 | | | | | | | |
| | | ACSR | Drake | 795 | 26/7 | 1.108 | | | | | | | |
| | | ACSR | Cuckoo | 795 | 24/7 | 1.092 | | | | | | | |
| | | AAC | Snapdragon | 900 | 61 | 1.094 | | | | | | | |





© 2011, AFL, all rights reserved. PP-3-00436, Revision 8, 12.2.19
Specifications are subject to change without notice.

# DOSSERT®

## TYPE S5600-EHV, S5100-EHV (cont.)

### Terminal Connectors

### Ordering Information

| CATALOG NUMBER | | CONDUCTOR | | | | | DIE SIZE ALUMINUM HEX DIE | DIMENSIONS IN INCHES | | | | | PAD SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STRAIGHT | 15 DEGREE | ACSR OR AAC | CODE WORD | SIZE KCMIL | STRANDING AL/ST | DIAMETER IN INCHES | | A | B | C | L | L1 | |
| S5630.116EEHV | S5130.116EEHV | ACSR | Redwing | 715.5 | 30/19 | 1.081 | 30AH | 1.00 | 4.00 | 4.50 | 12.50 | 11.29 | E |
| | | ACSR | Tern | 795 | 45/7 | 1.063 | | | | | | | |
| | | ACSR | Condor | 795 | 54/7 | 1.093 | | | | | | | |
| | | ACSR | Drake | 795 | 26/7 | 1.108 | | | | | | | |
| | | ACSR | Cuckoo | 795 | 24/7 | 1.092 | | | | | | | |
| | | AAC | Snapdragon | 900 | 61 | 1.094 | | | | | | | |
| S5630.122EHV | S5130.122EHV | ACSR | Mallard | 795 | 30/19 | 1.140 | 30AH | 0.40 | 3.00 | — | 12.50 | 11.27 | D |
| | | ACSR | Ruddy | 900 | 45/7 | 1.131 | | | | | | | |
| | | ACSR | Canary | 900 | 54/7 | 1.162 | | | | | | | |
| | | ACSR | Catbird | 954 | 36/1 | 1.140 | | | | | | | |
| | | ACSR | Rail | 954 | 45/7 | 1.165 | | | | | | | |
| | | AAC | Magnolia | 954 | 37 | 1.124 | | | | | | | |
| | | AAC | Goldenrod | 954 | 61 | 1.126 | | | | | | | |
| | | AAC | Camellia | 1000 | 61 | 1.152 | | | | | | | |
| | | AAC | Bluebell | 1033.5 | 37 | 1.170 | | | | | | | |
| | | AAC | Larkspur | 1033.5 | 61 | 1.172 | | | | | | | |
| S5630.122EEHV | — | ACSR | Mallard | 795 | 30/19 | 1.140 | 30AH | 0.50 | 4.00 | 4.50 | 10.05 | — | E |
| | | ACSR | Ruddy | 900 | 45/7 | 1.131 | | | | | | | |
| | | ACSR | Canary | 900 | 54/7 | 1.162 | | | | | | | |
| | | ACSR | Catbird | 954 | 36/1 | 1.140 | | | | | | | |
| | | ACSR | Rail | 954 | 45/7 | 1.165 | | | | | | | |
| | | AAC | Magnolia | 954 | 37 | 1.124 | | | | | | | |
| | | AAC | Goldenrod | 954 | 61 | 1.126 | | | | | | | |
| | | AAC | Camellia | 1000 | 61 | 1.152 | | | | | | | |
| | | AAC | Bluebell | 1033.5 | 37 | 1.170 | | | | | | | |
| | | AAC | Larkspur | 1033.5 | 61 | 1.172 | | | | | | | |
| — | S5130.122EEHV | ACSR | Mallard | 795 | 30/19 | 1.140 | 30AH | 1.00 | 4.00 | 4.50 | — | 11.27 | E |
| | | ACSR | Ruddy | 900 | 45/7 | 1.131 | | | | | | | |
| | | ACSR | Canary | 900 | 54/7 | 1.162 | | | | | | | |
| | | ACSR | Catbird | 954 | 36/1 | 1.140 | | | | | | | |
| | | ACSR | Rail | 954 | 45/7 | 1.165 | | | | | | | |
| | | AAC | Magnolia | 954 | 37 | 1.124 | | | | | | | |
| | | AAC | Goldenrod | 954 | 61 | 1.126 | | | | | | | |
| | | AAC | Camellia | 1000 | 61 | 1.152 | | | | | | | |
| | | AAC | Bluebell | 1033.5 | 37 | 1.170 | | | | | | | |
| | | AAC | Larkspur | 1033.5 | 61 | 1.172 | | | | | | | |
| S5630.125EHV | S5130.125EHV | ACSR | Cardinal | 954 | 54/7 | 1.196 | 30AH | 0.40 | 3.00 | — | 12.50 | 11.27 | D |
| | | ACSR | Tanager | 1033.5 | 36/1 | 1.186 | | | | | | | |
| S5630.125EEHV | — | ACSR | Cardinal | 954 | 54/7 | 1.196 | 30AH | 0.50 | 4.00 | 4.00 | 10.03 | — | E |
| | | ACSR | Tanager | 1033.5 | 36/1 | 1.186 | | | | | | | |
| — | S5130.125EEHV | ACSR | Cardinal | 954 | 54/7 | 1.196 | 30AH | 1.00 | 4.00 | 4.50 | — | 11.25 | E |
| | | ACSR | Tanager | 1033.5 | 36/1 | 1.186 | | | | | | | |
| S5634.128EHV | S5134.128EHV | ACSR | Ortolan | 1033.5 | 45/7 | 1.212 | 34AH | 0.60 | 3.00 | — | 12.20 | 12.44 | D |
| | | AAC | Marigold | 1113 | 61 | 1.216 | | | | | | | |
| S5634.134EHV | S5134.134EHV | ACSR | Curlew | 1033.5 | 54/7 | 1.244 | 34AH | 0.60 | 3.00 | — | 12.20 | 12.44 | D |
| | | ACSR | Bluejay | 1113 | 45/7 | 1.259 | | | | | | | |
| | | AAC | Hawthorn | 1192.5 | 61 | 1.258 | | | | | | | |
| | | AAC | Narcissus | 1272 | 61 | 1.300 | | | | | | | |
| S5634.138EHV | S5134.138EHV | ACSR | Bunting | 1192.5 | 45/7 | 1.302 | 34AH | 0.60 | 3.00 | — | 12.20 | 12.44 | D |
| | | ACSR | Finch | 1113 | 54/19 | 1.293 | | | | | | | |
| S5636.144EHV | S5136.144EHV | ACSR | Bittern | 1272 | 45/7 | 1.345 | 36AH | 0.60 | 3.00 | — | 13.76 | 12.50 | D |
| | | ACSR | Grackle | 1192.5 | 54/19 | 1.333 | | | | | | | |
| | | AAC | Columbine | 1351 | 61 | 1.340 | | | | | | | |
| | | AAC | Carnation | 1431 | 61 | 1.379 | | | | | | | |
| S5636.144EEHV | S5136.144EEHV | ACSR | Bittern | 1272 | 45/7 | 1.345 | 36AH | 1.00 | 4.00 | 4.50 | 10.85 | 10.73 | E |
| | | ACSR | Grackle | 1192.5 | 54/19 | 1.333 | | | | | | | |
| | | AAC | Columbine | 1351 | 61 | 1.340 | | | | | | | |
| | | AAC | Carnation | 1431 | 61 | 1.379 | | | | | | | |
| S5636.147EHV | S5136.147EHV | ACSR | Pheasant | 1272 | 54/19 | 1.382 | 36AH | 0.60 | 3.00 | — | 13.76 | 12.50 | D |
| | | ACSR | Dipper | 1351.5 | 45/7 | 1.386 | | | | | | | |
| | | ACSR | | 1500 | 91 | 1.412 | | | | | | | |
| | | AAC | Gladiolus | 1510.5 | 61 | 1.187 | | | | | | | |





© 2011, AFL, all rights reserved. PP-3-00436, Revision 8, 12.2.19
Specifications are subject to change without notice.

# DOSSERT®

## TYPE S5600-EHV, S5100-EHV (cont.)

### Terminal Connectors

### Ordering Information

| CATALOG NUMBER | | CONDUCTOR | | | | | DIE SIZE ALUMINUM HEX DIE | DIMENSIONS IN INCHES | | | | | PAD SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STRAIGHT | 15 DEGREE | ACSR OR AAC | CODE WORD | SIZE KCMIL | STRANDING AL/ST | DIAMETER IN INCHES | | A | B | C | L | L1 | |
| S5638.150EHV | S5138.150EHV | ACSR | Martin | 1351.5 | 54/19 | 1.424 | 38AH | 0.80 | 3.00 | — | 13.94 | 13.69 | D |
| | | ACSR | Bobolink | 1431 | 45/7 | 1.427 | | | | | | | |
| S5638.150EEHV | S5138.150EEHV | ACSR | Martin | 1351.5 | 54/19 | 1.424 | 38AH | 1.00 | 4.00 | 4.50 | 11.44 | 13.69 | E |
| | | ACSR | Bobolink | 1431 | 45/7 | 1.427 | | | | | | | |
| S5638.156EHV | S5138.156EHV | ACSR | Plover | 1431 | 54/19 | 1.465 | 38AH | 0.70 | 3.00 | — | 13.69 | 13.69 | D |
| | | ACSR | Nuthatch | 1510.5 | 45/7 | 1.466 | | | | | | | |
| | | AAC | Coreopis | 1590 | 61 | 1.250 | | | | | | | |
| | | AAC | Dogwood | 1590 | 91 | 1.454 | | | | | | | |
| S5638.156EEHV | S5138.156EEHV | ACSR | Plover | 1431 | 54/19 | 1.465 | 38AH | 1.00 | 4.00 | 4.50 | 11.41 | 13.94 | E |
| | | ACSR | Nuthatch | 1510.5 | 45/7 | 1.466 | | | | | | | |
| | | AAC | Coreopis | 1590 | 61 | 1.250 | | | | | | | |
| | | AAC | Dogwood | 1590 | 91 | 1.454 | | | | | | | |
| S5640.162EHV | S5140.162EHV | ACSR | Parrot | 1510.5 | 54/19 | 1.506 | 40AH | 0.70 | 4.00 | 4.50 | 15.58 | 14.88 | E |
| | | ACSR | Lapwig | 1590 | 45/7 | 1.504 | | | | | | | |
| | | ACSR | Falcon | 1590 | 54/19 | 1.545 | | | | | | | |
| | | AAC | Jessamine | 1750 | 61 | 1.525 | | | | | | | |
| S5640.162EEHV | S5140.162EEHV | ACSR | Parrot | 1510.5 | 54/19 | 1.506 | 40AH | 1.00 | 4.00 | 4.50 | 11.83 | 11.92 | E |
| | | ACSR | Lapwig | 1590 | 45/7 | 1.504 | | | | | | | |
| | | ACSR | Falcon | 1590 | 54/19 | 1.545 | | | | | | | |
| | | AAC | Jessamine | 1750 | 61 | 1.525 | | | | | | | |
| S5642.178EHV | S5142.178EHV | ACSR | Chukar | 1780 | 84/19 | 1.602 | 42AH | 0.70 | 4.00 | 4.50 | 15.91 | 15.50 | E |
| | | ACSR | | 2034 | 72/7 | 1.681 | | | | | | | |
| | | AAC | Cowslip | 2000 | 91 | 1.630 | | | | | | | |
| S5644.181EHV | S5144.181EHV | ACSR | Kiwi | 2167 | 72/7 | 1.737 | 44AH | 0.70 | 4.00 | 4.50 | 17.84 | 16.00 | E |
| | | AAC | Sagebrush | 2250 | 91 | 1.729 | | | | | | | |
| | | AAC | | 2300 | 61 | 1.750 | | | | | | | |
| | | AAC | | 2300 | 91 | 1.750 | | | | | | | |
| S5644.184EHV | S5144.184EHV | ACSR | Bluebird | 2156 | 84/19 | 1.762 | 44AH | 0.70 | 4.00 | 4.50 | 17.84 | 16.00 | E |
| S5644.188EHV | S5144.188EHV | ACSR | Thrasher | 2312 | 76/19 | 1.802 | 44AH | 0.70 | 4.00 | 4.50 | 17.84 | 16.00 | E |
| | | AAC | Lupine | 2500 | 91 | 1.823 | | | | | | | |
| S5648.197EHV | S5148.197EHV | ACSR | Joree | 2515 | 76/19 | 1.880 | 48AH | 0.80 | 4.00 | 4.50 | 17.84 | 17.06 | E |
| | | AAC | Bitterroot | 2750 | 91 | 1.912 | | | | | | | |



© 2011, AFL, all rights reserved. PP-3-00436, Revision 8, 12.2.19
Specifications are subject to change without notice.

# DOSSERT®

## TYPE S5600-45EHV, S5800EHV

### Terminal Connectors

The S5600-45EHV, S5800EHV Series Terminal Connector is designed for ACSR and AAC conductors. Designed for 500 kV service. The terminal is fabricated from AFL seamless drawn aluminum.



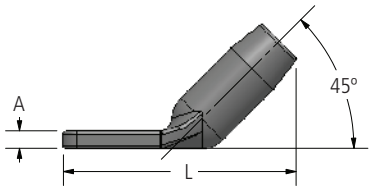
S5600-45EHV

**Material**

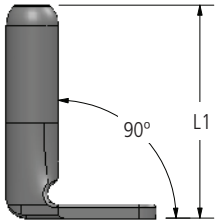
Aluminum Alloy

**Notes**

Other pad sizes can be custom ordered.



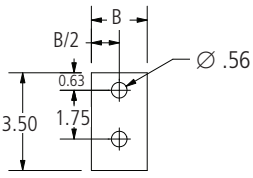

S5600-45EHV



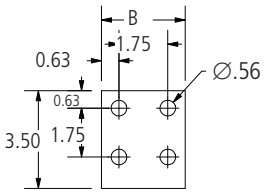

S5800EHV



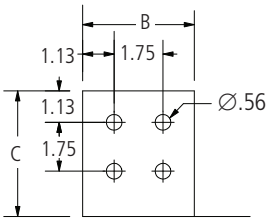
S5800EHV




PAD B




PAD D




PAD E

### Ordering Information

| CATALOG NUMBER | | CONDUCTOR | | | | | DIE SIZE ALUMINUM HEX DIE | DIMENSIONS IN INCHES | | | | | PAD SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45 DEGREE | 90 DEGREE | AAC OR ACSR | CODE WORD | SIZE KCMIL | STRANDING AL/ST | DIAMETER IN INCHES | | A | B | C | L | L1 | |
| S5673.391-45EHV | S5873.391EHV | AAC | Poppy | 1/0 | 7 | 0.368 | 73AH | 0.20 | 1.00 | — | 5.04 | 5.04 | B |
| S5674.438-45EHV | S5874.438EHV | ACSR | Raven | 1/0 | 6/1 | 0.398 | 74AH | 0.30 | 1.00 | — | 5.28 | 5.28 | B |
| | | AAC | Aster | 2/0 | 7 | 0.414 | | | | | | | |
| S5674.484-45EHV | S5874.484EHV | ACSR | Quail | 2/0 | 6/1 | 0.447 | 74AH | 0.30 | 1.00 | — | 5.28 | 5.28 | B |
| | | ACSR | Phlox | 3/0 | 7 | 0.464 | | | | | | | |
| S5675.547-45EHV | S5875.547EHV | ACSR | Pigeon | 3/0 | 6/1 | 0.502 | 75AH | 0.50 | 1.00 | — | 5.71 | 5.71 | B |
| | | AAC | Oxlip | 4/0 | 7 | 0.522 | | | | | | | |
| S5675.609-45EHV | S5875.609EHV | ACSR | Penguin | 4/0 | 6/1 | 0.563 | 75AH | 0.50 | 1.00 | — | 5.71 | 5.71 | B |
| | | AAC | Valerian | 250 | 19 | 0.575 | | | | | | | |
| | | AAC | Laurel | 266.8 | 19 | 0.593 | | | | | | | |
| S5676.656-45EHV | S5876.656EHV | ACSR | Waxwing | 266.8 | 18/1 | 0.609 | 76AH | 0.60 | 1.30 | — | 5.35 | 5.35 | B |
| | | AAC | Peony | 300 | 19 | 0.629 | | | | | | | |





© 2011, AFL, all rights reserved. PP-3-00438, Revision 6, 12.2.19
Specifications are subject to change without notice.

# DOSSERT®

## TYPE S5600-45EHV, S5800EHV (cont.)

### Terminal Connectors

## Ordering Information (cont.)

| CATALOG NUMBER | | CONDUCTOR | | | | | DIE SIZE ALUMINUM HEX DIE | DIMENSIONS IN INCHES | | | | | PAD SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45 DEGREE | 90 DEGREE | AAC OR ACSR | CODE WORD | SIZE KCMIL | STRANDING AL/ST | DIAMETER IN INCHES | | A | B | C | L | L1 | |
| S5676.688-45EHV | S5876.688EHV | ACSR | Owl | 266.8 | 6/7 | 0.633 | 76AH | 0.60 | 1.30 | — | 5.35 | 5.35 | B |
| | | ACSR | Partridge | 266.8 | 26/7 | 0.642 | | | | | | | |
| | | AAC | Tulip | 336.4 | 19 | 0.666 | | | | | | | |
| S5620.719-45EHV | S5820.719EHV | AAC | Daffodil | 350 | 19 | 0.679 | 20AH | 0.50 | 1.30 | — | 6.13 | 6.13 | B |
| S5676.719-45EHV | S5876.719EHV | ACSR | Ostrich | 300 | 26/7 | 0.680 | 76AH | 0.50 | 1.30 | — | 5.35 | 5.35 | B |
| | | ACSR | Merlin | 336.4 | 18/1 | 0.684 | | | | | | | |
| S5676.750-45EHV | S5876.750EHV | AAC | Canna | 397.5 | 19 | 0.724 | 76AH | 0.50 | 1.30 | — | 5.35 | 5.35 | B |
| S5620.781-45EHV | S5820.781EHV | ACSR | Linnet | 336.4 | 26/7 | 0.720 | 20AH | 0.50 | 1.30 | — | 6.13 | 6.13 | B |
| | | ACSR | Oriole | 336.4 | 30/7 | 0.741 | | | | | | | |
| | | ACSR | Chickadee | 397.5 | 18/1 | 0.743 | | | | | | | |
| S5676.781-45EHV | S5876.781EHV | ACSR | Linnet | 336.4 | 26/7 | 0.720 | 76AH | 0.50 | 1.30 | — | 5.35 | 5.35 | B |
| | | | Chickdee | 397.5 | 18/7 | 0.743 | | | | | | | |
| S5620.812-45EHV | S5820.812EHV | ACSR | Brant | 397.5 | 24/7 | 0.772 | 20AH | 0.50 | 1.30 | — | 6.13 | 6.16 | B |
| | | AAC | Goldentuft | 450 | 19 | 0.770 | | | | | | | |
| | | AAC | Yarrow | 450 | 37 | 0.772 | | | | | | | |
| | | AAC | Cosmos | 477 | 19 | 0.793 | | | | | | | |
| | | AAC | Syringa | 477 | 37 | 0.795 | | | | | | | |
| S5620.844-45EHV | S5820.844EHV | ACSR | Ibis | 397.5 | 26/7 | 0.783 | 20AH | 0.50 | 1.30 | — | 6.13 | 6.13 | B |
| | | ACSR | Lark | | 30/7 | 0.806 | | | | | | | |
| S5624.875-45EHV | S5824.875EHV | ACSR | Pelican | 477 | 18/1 | 0.814 | 24AH | 0.60 | 1.50 | — | 7.58 | 7.58 | B |
| | | AAC | Cosmos | | 19 | 0.793 | | | | | | | |
| | | AAC | Syringa | | 37 | 0.795 | | | | | | | |
| | | AAC | Zinnia | 500 | 19 | 0.811 | | | | | | | |
| | | AAC | Hyacinth | | 37 | 0.813 | | | | | | | |
| S5624.938-45EHV | S5824.938EHV | ACSR | Flicker | 477 | 24/7 | 0.846 | 24AH | 0.60 | 1.50 | — | 7.58 | 7.58 | B |
| | | | Hawk | | 26/7 | 0.858 | | | | | | | |
| | | | Hen | | 30/7 | 0.883 | | | | | | | |
| | | | Osprey | 556.5 | 18/1 | 0.879 | | | | | | | |
| | | AAC | Dahlia | | 19 | 0.856 | | | | | | | |
| | | | Mistletoe | | 37 | 0.858 | | | | | | | |
| | | | Meadow-sweet | 600 | 37 | 0.891 | | | | | | | |
| S5624.969-45EHV | S5824.969EHV | ACSR | Parakeet | 556.5 | 24/7 | 0.914 | 24AH | 0.60 | 1.50 | — | 7.58 | 7.58 | B |
| | | | Dove | | 26/7 | 0.927 | | | | | | | |
| | | AAC | Orchid | 636 | 37 | 0.918 | | | | | | | |
| | | | Heuchera | 650 | | 0.928 | | | | | | | |



© 2011, AFL, all rights reserved. PP-3-00438, Revision 6, 12.2.19
Specifications are subject to change without notice.

# DOSSERT®

## TYPE S5600-45EHV, S5800EHV (cont.)

### Terminal Connectors

### Ordering Information (cont.)

| CATALOG NUMBER | | CONDUCTOR | | | | | DIE SIZE ALUMINUM HEX DIE | DIMENSIONS IN INCHES | | | | | PAD SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45 DEGREE | 90 DEGREE | AAC OR ACSR | CODE WORD | SIZE KCMIL | STRANDING AL/ST | DIAMETER IN INCHES | | A | B | C | L | L1 | |
| S5630.109-45EHV | S5830.109EHV | ACSR | Stilt | 715.5 | 24/7 | 1.036 | 30AH | 0.50 | 3.00 | — | 7.63 | 7.63 | D |
| | | ACSR | Starling | 715.5 | 26/7 | 1.051 | | | | | | | |
| | | ACSR | Coot | 795 | 36/1 | 1.040 | | | | | | | |
| | | AAC | Arbutus | 795 | 37 | 1.026 | | | | | | | |
| | | AAC | Lilac | 795 | 61 | 1.028 | | | | | | | |
| | | AAC | — | 800 | 37 | 1.031 | | | | | | | |
| | | AAC | Heliotrope | 800 | 61 | 1.031 | | | | | | | |
| S5630.116-45EHV | S5830.116EHV | ACSR | Redwing | 715.5 | 30/19 | 1.081 | 30AH | 0.50 | 3.00 | — | 7.63 | 7.63 | D |
| | | ACSR | Tern | 795 | 45/7 | 1.063 | | | | | | | |
| | | ACSR | Condor | 795 | 54/7 | 1.093 | | | | | | | |
| | | ACSR | Drake | 795 | 26/7 | 1.108 | | | | | | | |
| | | ACSR | Cuckoo | 795 | 24/7 | 1.092 | | | | | | | |
| | | AAC | Snapdragon | 900 | 61 | 1.094 | | | | | | | |
| S5630.122-45EHV | S5830.122EHV | ACSR | Mallard | 795 | 30/19 | 1.140 | 30AH | 0.40 | 3.00 | — | 7.63 | 7.63 | D |
| | | ACSR | Ruddy | 900 | 45/7 | 1.131 | | | | | | | |
| | | ACSR | Canary | 900 | 54/7 | 1.162 | | | | | | | |
| | | ACSR | Catbird | 954 | 36/1 | 1.140 | | | | | | | |
| | | ACSR | Rail | 954 | 45/7 | 1.165 | | | | | | | |
| | | AAC | Magnolia | 954 | 37 | 1.124 | | | | | | | |
| | | AAC | Goldenrod | 954 | 61 | 1.126 | | | | | | | |
| | | AAC | Camellia | 1000 | 61 | 1.152 | | | | | | | |
| | | AAC | Bluebell | 1033.5 | 37 | 1.170 | | | | | | | |
| | | AAC | Larkspur | 1033.5 | 61 | 1.172 | | | | | | | |
| S5630.125-45EHV | S5830.125EHV | ACSR | Cardinal | 954 | 54/7 | 1.196 | 30AH | 0.40 | 3.00 | — | 7.63 | 7.63 | D |
| | | ACSR | Tanager | 1033.5 | 36/1 | 1.186 | | | | | | | |
| S5634.128-45EHV | S5834.128EHV | ACSR | Ortolan | 1033.5 | 45/7 | 1.212 | 34AH | 0.60 | 3.00 | — | 8.20 | 8.20 | D |
| | | AAC | Marigold | 1113 | 61 | 1.216 | | | | | | | |
| S5634.134-45EHV | S5834.134EHV | ACSR | Curlew | 1033.5 | 54/7 | 1.244 | 34AH | 0.60 | 3.00 | — | 8.20 | 8.20 | D |
| | | ACSR | Bluejay | 1113 | 45/7 | 1.259 | | | | | | | |
| | | AAC | Hawthorn | 1192.5 | 61 | 1.258 | | | | | | | |
| | | AAC | Narcissus | 1272 | 61 | 1.300 | | | | | | | |
| S5634.138-45EHV | S5834.1238EHV | ACSR | Bunting | 1192.5 | 45/7 | 1.302 | 34AH | 0.60 | 3.00 | — | 8.20 | 8.20 | D |
| | | ACSR | Finch | 1113 | 54/19 | 1.293 | | | | | | | |





© 2011, AFL, all rights reserved. PP-3-00438, Revision 6, 12.2.19
Specifications are subject to change without notice.

# DOSSERT®

## TYPE S5600-45EHV, S5800EHV (cont.)

### Terminal Connectors

## Ordering Information (cont.)

| CATALOG NUMBER | | CONDUCTOR | | | | | DIE SIZE ALUMINUM HEX DIE | DIMENSIONS IN INCHES | | | | | PAD SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45 DEGREE | 90 DEGREE | AAC OR ACSR | CODE WORD | SIZE KCMIL | STRANDING AL/ST | DIAMETER IN INCHES | | A | B | C | L | L1 | |
| S5636.144-45EHV | S5836.144EHV | ACSR | Bittern | 1272 | 45/7 | 1.345 | 36AH | 0.60 | 3.00 | — | 8.23 | 8.23 | D |
| | | ACSR | Grackle | 1192.5 | 54/19 | 1.333 | | | | | | | |
| | | AAC | Columbine | 1351 | 61 | 1.340 | | | | | | | |
| | | AAC | Carnation | 1431 | 61 | 1.379 | | | | | | | |
| S5636.147-45EHV | S5836.147EHV | ACSR | Pheasant | 1272 | 54/19 | 1.382 | 36AH | 0.60 | 3.00 | — | 8.23 | 8.23 | D |
| | | ACSR | Dipper | 1351.5 | 45/7 | 1.386 | | | | | | | |
| | | ACSR | — | 1500 | 91 | 1.412 | | | | | | | |
| | | AAC | Gladiolus | 1510.5 | 61 | 1.187 | | | | | | | |
| S5638.150-45EHV | S5838.150EHV | ACSR | Martin | 1351.5 | 54/19 | 1.424 | 38AH | 0.80 | 3.00 | — | 8.85 | 8.85 | D |
| | | ACSR | Bobolink | 1431 | 45/7 | 1.427 | | | | | | | |
| S5638.156-45EHV | S5838.156EHV | ACSR | Plover | 1431 | 54/19 | 1.465 | 38AH | 0.70 | 3.00 | — | 8.85 | 8.85 | D |
| | | ACSR | Nuthatch | 1510.5 | 45/7 | 1.466 | | | | | | | |
| | | AAC | Coreopsis | 1590 | 61 | 1.250 | | | | | | | |
| | | AAC | Dogwood | 1590 | 91 | 1.454 | | | | | | | |
| S5638.156-45EEHV | — | ACSR | Plover | 1431 | 54/19 | 1.465 | 38AH | 1.00 | 4.00 | 4.50 | 7.31 | 7.31 | E |
| | | ACSR | Nuthatch | 1510.5 | 45/7 | 1.466 | | | | | | | |
| | | AAC | Coreopsis | 1590 | 61 | 1.250 | | | | | | | |
| | | AAC | Dogwood | 1590 | 91 | 1.454 | | | | | | | |
| — | S5838.156EEHV | ACSR | Plover | 1431 | 54/19 | 1.465 | 38AH | 0.50 | 4.00 | 4.00 | 7.31 | 7.31 | E |
| | | ACSR | Nuthatch | 1510.5 | 45/7 | 1.466 | | | | | | | |
| | | AAC | Coreopsis | 1590 | 61 | 1.250 | | | | | | | |
| | | AAC | Dogwood | 1590 | 91 | 1.454 | | | | | | | |
| S5640.162-45EHV | S5840.162EHV | ACSR | Parrot | 1510.5 | 54/19 | 1.506 | 40AH | 0.70 | 3.00 | — | 9.95 | 9.95 | D |
| | | ACSR | Lapwing | 1590 | 45/7 | 1.504 | | | | | | | |
| | | ACSR | Falcon | 1590 | 54/19 | 1.545 | | | | | | | |
| | | AAC | Jessamine | 1750 | 61 | 1.525 | | | | | | | |
| S5642.178-45EHV | S5842.178EHV | ACSR | Chukar | 1780 | 84/19 | 1.602 | 42AH | 0.70 | 4.00 | 4.50 | 10.28 | 10.28 | E |
| | | ACSR | — | 2034 | 72/7 | 1.681 | | | | | | | |
| | | AAC | Cowslip | 2000 | 91 | 1.630 | | | | | | | |
| S5644.181-45EHV | S5844.181EHV | ACSR | Kiwi | 2167 | 72/7 | 1.737 | 44AH | 0.70 | 4.00 | 4.50 | 10.72 | 10.72 | E |
| | | AAC | Sagebrush | 2250 | 91 | 1.729 | | | | | | | |
| | | AAC | — | 2300 | 61 | 1.750 | | | | | | | |
| | | AAC | — | 2300 | 91 | 1.750 | | | | | | | |



© 2011, AFL, all rights reserved. PP-3-00438, Revision 6, 12.2.19
Specifications are subject to change without notice.

# DOSSERT®

## TYPE S5600-45EHV, S5800EHV (cont.)

### Terminal Connectors

## Ordering Information (cont.)

| CATALOG NUMBER | | CONDUCTOR | | | | | DIE SIZE ALUMINUM HEX DIE | DIMENSIONS IN INCHES | | | | | PAD SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45 DEGREE | 90 DEGREE | AAC OR ACSR | CODE WORD | SIZE KCMIL | STRANDING AL/ST | DIAMETER IN INCHES | | A | B | C | L | L1 | |
| S5644.184-45EHV | S5844.184EHV | ACSR | Bluebird | 2156 | 84/19 | 1.762 | 44AH | 0.70 | 4.00 | 4.50 | 10.72 | 10.72 | E |
| S5644.188-45EHV | S5844.188EHV | ACSR | Thrasher | 2312 | 76/19 | 1.802 | 44AH | 0.70 | 4.00 | 4.50 | 10.72 | 10.72 | E |
| | | AAC | Lupine | 2500 | 91 | 1.823 | | | | | | | |
| S5648.197-45EHV | S5848.197EHV | ACSR | Joree | 2515 | 76/19 | 1.880 | 48AH | 0.80 | 4.00 | 4.50 | 11.35 | 11.35 | E |
| | | AAC | Bitterroot | 2750 | 91 | 1.912 | | | | | | | |





© 2011, AFL, all rights reserved. PP-3-00438, Revision 6, 12.2.19
Specifications are subject to change without notice.

# DOSSERT®

## TYPE DP2L-V-EC

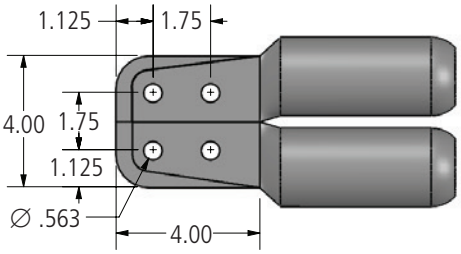
### Substation Compression Terminal

Use for cable to terminal application. Designed for 500 kV service.

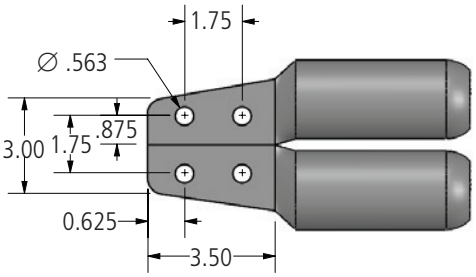
### Material

Aluminum Alloy

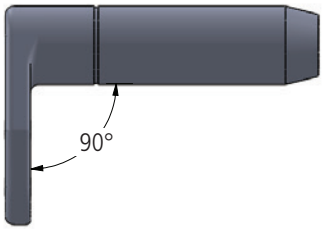




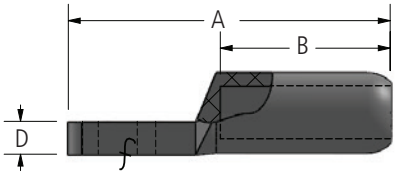

DP2L-4N4-V-EC SERIES

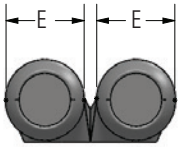



DP2L-4N-V-EC SERIES




DP2LA-N-90-V-EC SERIES




### Ordering Information

| CATALOG NUMBER | CONDUCTOR RANGE | | | DIMENSIONS IN INCHES | | | | DIE SIZE |
|---|---|---|---|---|---|---|---|---|
| | IN | AAC | ACSR | A | B | D | E | |
| DP2L100-4N-V-EC | 1.026 - 1.196 | 795 - 1033.5 | 715.5(24/7) - 954(54/7) | 8.84 | 4.09 | 1.00 | 1.88 | 30AH |
| DP2L100-4N4-V-EC | | | | 9.46 | | | | |
| DP2L127-4N-V-EC | 1.186 - 1.313 | 1113 - 1272 | 954(54/7) - 1192.5(45/7) | 9.19 | 4.44 | 1.00 | 2.12 | 34AH |
| DP2L127-4N4-V-EC | | | | 9.82 | | | | |
| DP2L151-4N4-V-EC | 1.314 - 1.399 | 1300 - 1431 | 1192.5(54/19) - 1351.5(45/7) | 10.53 | 4.95 | 1.00 | 2.25 | 36AH |
| DP2LA151-4N4-90-V-EC | | | | — | 4.70 | | | |
| DP2L160-4N-V-EC | 1.399 - 1.500 | 1500 - 1590 | 1351.5(54/19) - 1510.5(45/7) | 9.69 | 4.94 | 1.00 | 2.38 | 38AH |
| DP2L160-4N4-V-EC | | | | 10.32 | | | | |
| DP2L180-4N-V-EC | 1.501 - 1.630 | 1750 - 2000 | 1510.5(54/19) - 1780(84/19) | 10.14 | — | 1.00 | 2.50 | 40AH |
| DP2L180-4N4-V-EC | | | | 11.14 | | | | |
| DP2L250-4N4-V-EC | 1.802 - 1.857 | 2500 | 2300(96/19) - 2312(76/19) | 11.77 | 6.34 | 1.00 | 2.75 | 44AH |
| DP2LA250-4N4-90-V-EC | | | | — | | | | |





© 2011, AFL, all rights reserved. PP-3-00312, Revision 7, 8.14.19
Specifications are subject to change without notice.

# DOSSERT®





© 2011, AFL, all rights reserved. PP-3-00312, Revision 7, 8.14.19
Specifications are subject to change without notice.

# Table of Contents

## 500 kV High Temperature

Table of Contents . . . . . 605
Pictorial Index . . . . . 606

*High Temperature Bus Supports*
C2SWB-V-AA-HT NEW . . . . . 607
33800-EHV-HT NEW . . . . . 610

*High Temperature Connectors*
CFTL-N-V-AA-HT NEW . . . . . 611
TCL-N-V-AA-HT NEW . . . . . 612
Type APT-N-V-AA-HT NEW . . . . . 613

© 2025, AFL, all rights reserved. PP-3-00903, Revision 4, 5.14.2026
Specifications are subject to change without notice.



AFLglobal.com
1 (800) 890-8878

# Pictorial Index

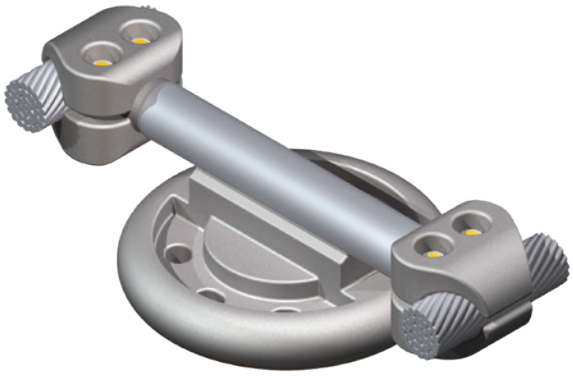

| 500 kV Aluminum High Temperature Bus Supports | |
|---|---|
|  | C2SWB-V-AA-HT |
| | PG. 607 |
|  | 33800-EHV-HT |
| | PG. 610 |
| **500 kV Aluminum High Temperature Connectors** | |
|  | CFTL-N-V-AA-HT |
| | PG. 611 |
|  | TCL-N-V-AA-HT |
| | PG. 612 |
|  | APT-N-V-AA-HT |
| | PG. 613 |


© 2025, AFL, all rights reserved. PP-3-00903, Revision 4, 5.14.2026
Specifications are subject to change without notice.

# TYPE C2SWB-V-AA-HT

## Cable Support Clamp – High Temperature

Two-conductor strain bus support is designed to be corona free for 500 kV service.



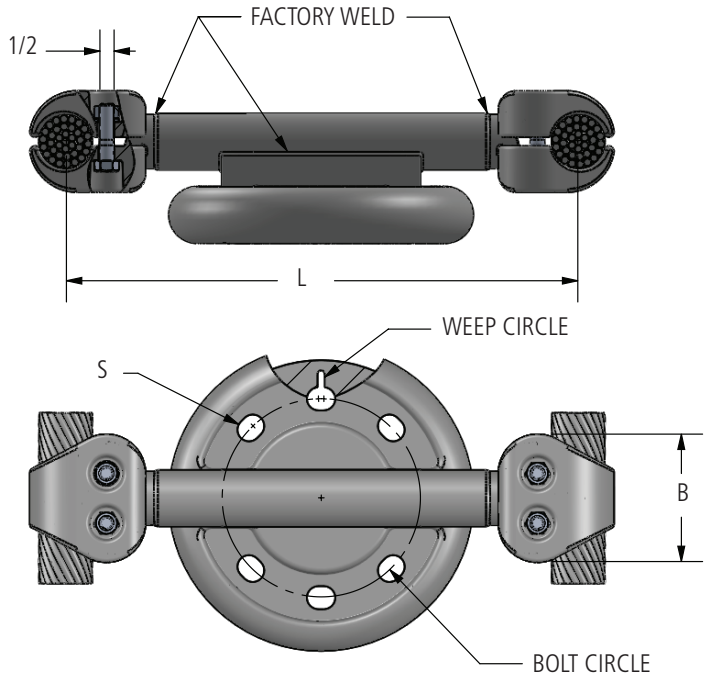
**Material**
Aluminum Alloy

**Hardware**
Aluminum bolts, lockwashers and nuts.

**Mounting Hardware**
Galvanized steel bolts and lockwashers.

### Notes

1. Suitable for applications up to 250°C.
2. For Stainless Steel Hardware, add "-SS" to catalog number. Example: C2SWB360-8-2-V-AA-HT-SS
3. For Stainless Steel Bolts, Lockwashers and Everdur nuts, add "-SSHBN" to catalog number. Example: C2SWB250-8-5-V-AA-HT-SSHBN




AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2025, AFL, all rights reserved. PP-3-00904, Revision 1, 9.8.2025
Specifications are subject to change without notice.

# TYPE C2SWB-V-AA-HT

## Cable Support Clamp – High Temperature

### Ordering Information

| Catalog Number | Cable Range | | | Bolt Circle | Dimensions in Inches | | |
|---|---|---|---|---|---|---|---|
| | Aluminum | | ACSR | | | | |
| | Min | Max | | | B | S | L |
| C2SWB79-12-5-V-AA-HT | 750MCM | 795MCM | 636 (18/1) (24/7) (26/7) | 5 | 2 | 11/16 | 12 |
| C2SWB79-18-5-V-AA-HT | 750MCM | 795MCM | 636 (18/1) (24/7) (26/7) | 5 | 2 | 11/16 | 18 |
| C2SWB95-8-5-V-AA-HT | 800MCM | 954MCM | 795 (45/7) (24/7) (26/7) | 5 | 2 | 11/16 | 8 |
| C2SWB95-10-5-V-AA-HT | 800MCM | 954MCM | 795 (45/7) (24/7) (26/7) | 5 | 2 | 11/16 | 10 |
| C2SWB95-12-5-V-AA-HT | 800MCM | 954MCM | 795 (45/7) (24/7) (26/7) | 5 | 2 | 11/16 | 12 |
| C2SWB95-18-5-V-AA-HT | 800MCM | 954MCM | 795 (45/7) (24/7) (26/7) | 5 | 2 | 11/16 | 18 |
| C2SWB95-18-7-V-AA-HT | 800MCM | 954MCM | 795 (45/7) (24/7) (26/7) | 7 | 2 | 13/16 | 18 |
| C2SWB103-6-5-V-AA-HT | 1000MCM | 1033.5MCM | 954 (45/7) (54/7) | 5 | 2 | 11/16 | 6 |
| C2SWB103-6-7-V-AA-HT | 1000MCM | 1033.5MCM | 954 (45/7) (54/7) | 7 | 2 | 13/16 | 6 |
| C2SWB103-12-5-V-AA-HT | 1000MCM | 1033.5MCM | 954 (45/7) (54/7) | 5 | 2 | 11/16 | 12 |
| C2SWB103-12-7-V-AA-HT | 1000MCM | 1033.5MCM | 954 (45/7) (54/7) | 7 | 2 | 13/16 | 12 |
| C2SWB103-18-5-V-AA-HT | 1000MCM | 1033.5MCM | 954 (45/7) (54/7) | 5 | 2 | 11/16 | 18 |
| C2SWB103-18-7-V-AA-HT | 1000MCM | 1033.5MCM | 954 (45/7) (54/7) | 7 | 2 | 13/16 | 18 |
| C2SWB127-12-5-V-AA-HT | 1113MCM | 1272MCM | 1033(54/7), 1113 (45/7) (54/19) | 5 | 4 1/2 | 11/16 | 12 |
| C2SWB127-12-7-V-AA-HT | 1113MCM | 1272MCM | 1033(54/7), 1113 (45/7) (54/19) | 7 | 4 1/2 | 13/16 | 12 |
| C2SWB127-18-5-V-AA-HT | 1113MCM | 1272MCM | 1033(54/7), 1113 (45/7) (54/19) | 5 | 4 1/2 | 11/16 | 18 |
| C2SWB127-18-7-V-AA-HT | 1113MCM | 1272MCM | 1033(54/7), 1113 (45/7) (54/19) | 7 | 4 1/2 | 13/16 | 18 |
| C2SWB143-12-5-V-AA-HT | 1300MCM | 1431MCM | 1272 (45/7) (54/19) | 5 | 4 1/2 | 11/16 | 12 |
| C2SWB143-18-5-V-AA-HT | 1300MCM | 1431MCM | 1272 (45/7) (54/19) | 5 | 4 1/2 | 11/16 | 18 |
| C2SWB143-18-7-V-AA-HT | 1300MCM | 1431MCM | 1272 (45/7) (54/19) | 7 | 4 1/2 | 13/16 | 18 |
| C2SWB160-6-5-V-AA-HT | 1500MCM | 1600MCM 1272 ROPE L. | 1431 (45/7) (54/19) | 5 | 4 1/2 | 11/16 | 6 |
| C2SWB160-6-7-V-AA-HT | 1500MCM | 1600MCM 1272 ROPE L. | 1431 (45/7) (54/19) | 7 | 4 1/2 | 11/16 | 6 |
| C2SWB160-12-5-V-AA-HT | 1500MCM | 1600MCM 1272 ROPE L. | 1431 (45/7) (54/19) | 5 | 4 1/2 | 11/16 | 12 |
| C2SWB160-12-7-V-AA-HT | 1500MCM | 1600MCM 1272 ROPE L. | 1431 (45/7) (54/19) | 7 | 4 1/2 | 11/16 | 12 |
| C2SWB160-18-5-V-AA-HT | 1500MCM | 1600MCM 1272 ROPE L. | 1431 (45/7) (54/19) | 5 | 4 1/2 | 11/16 | 18 |
| C2SWB160-18-7-V-AA-HT | 1500MCM | 1600MCM 1272 ROPE L. | 1431 (45/7) (54/19) | 7 | 4 1/2 | 13/16 | 18 |
| C2SWB180-8-5-V-AA-HT | 1700MCM | 1800MCM | 1590 (45/7) (54/19) | 5 | 4 1/2 | 11/16 | 8 |
| C2SWB180-12-5-V-AA-HT | 1700MCM | 1800MCM | 1590 (45/7) (54/19) | 5 | 4 1/2 | 11/16 | 12 |
| C2SWB180-18-5-V-AA-HT | 1700MCM | 1800MCM | 1590 (45/7) (54/19) | 5 | 4 1/2 | 11/16 | 18 |
| C2SWB180-18-7-V-AA-HT | 1700MCM | 1800MCM | 1590 (45/7) (54/19) | 7 | 4 1/2 | 13/16 | 18 |
| C2SWB205-6-5-V-AA-HT | 2000MCM | 2049MCM | 1780(84/19), 2034.5(72/7) | 5 | 4 1/2 | 11/16 | 6 |
| C2SWB205-12-5-V-AA-HT | 2000MCM | 2049MCM | 1780(84/19), 2034.5(72/7) | 5 | 4 1/2 | 11/16 | 12 |
| C2SWB205-13-5-V-AA-HT | 2000MCM | 2049MCM | 1780(84/19), 2034.5(72/7) | 5 | 4 1/2 | 11/16 | 13 |

© 2025, AFL, all rights reserved. PP-3-00904, Revision 1, 9.8.2025
Specifications are subject to change without notice.

# TYPE C2SWB-V-AA-HT

## Cable Support Clamp – High Temperature

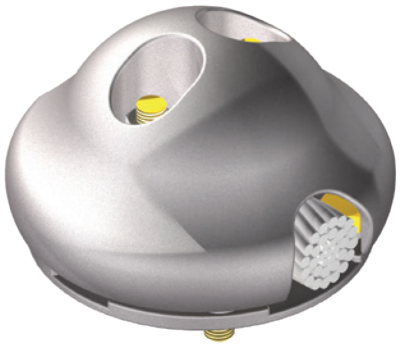
### Ordering Information

| Catalog Number | Cable Range | | | Bolt Circle | Dimensions in Inches | | |
|---|---|---|---|---|---|---|---|
| | Aluminum | | ACSR | | | | |
| | Min | Max | | | B | S | L |
| C2SWB205-18-5-V-AA-HT | 2000MCM | 2049MCM | 1780(84/19), 2034.5(72/7) | 5 | 4 1/2 | 11/16 | 18 |
| C2SWB205-18-7-V-AA-HT | 2000MCM | 2049MCM | 1780(84/19), 2034.5(72/7) | 7 | 4 1/2 | 13/16 | 18 |
| C2SWB205-43-5-V-AA-HT | 2000MCM | 2049MCM | 1780(84/19), 2034.5(72/7) | 5 | 4 1/2 | 11/16 | 43 |
| C2SWB240R-14-5-V-AA-HT | — | 2.40 O.D. | — | 5 | 4 1/2 | 11/16 | 14 |
| C2SWB250-8-5-V-AA-HT | 2250MCM | 2500MCM | 2156(84/19), 2300(96/19) | 5 | 4 1/2 | 11/16 | 8 |
| C2SWB250-12-5-V-AA-HT | 2250MCM | 2500MCM | 2156(84/19), 2300(96/19) | 5 | 4 1/2 | 11/16 | 12 |
| C2SWB250-13-5-V-AA-HT | 2250MCM | 2500MCM | 2156(84/19), 2300(96/19) | 5 | 4 1/2 | 11/16 | 13 |
| C2SWB250-14-7-V-AA-HT | 2250 MCM | 2500MCM | 2156(84/19), 2300(96/19) | 7 | 4 1/2 | 11/16 | 14 |
| C2SWB250-18-5-V-AA-HT | 2250MCM | 2500MCM | 2156(84/19), 2300(96/19) | 5 | 4 1/2 | 11/16 | 18 |
| C2SWB250-18-7-V-AA-HT | 2250MCM | 2500MCM | 2156(84/19), 2300(96/19) | 7 | 4 1/2 | 13/16 | 18 |
| C2SWB275-18-5-V-AA-HT | — | 2750MCM | 2515(76/19) | 5 | 4 1/2 | 11/16 | 18 |
| C2SWB275-18-7-V-AA-HT | — | 2750MCM | 2515(76/19) | 7 | 4 1/2 | 13/16 | 18 |
| C2SWB300-12-7-V-AA-HT | 2750MCM | 3000MCM | — | 7 | 4 1/2 | 13/16 | 12 |
| C2SWB350-6-5-V-AA-HT | — | 3500MCM | — | 5 | 5 1/2 | 11/16 | 6 |
| C2SWB350-13-5-V-AA-HT | — | 3500 MCM | — | 5 | 5 1/2 | 11/16 | 13 |

© 2025, AFL, all rights reserved. PP-3-00904, Revision 1, 9.8.2025
Specifications are subject to change without notice.

# TYPE 33800-EHV

## Cable Support – High Temperature



Single conductor strain bus support is designed to be corona free for 345 kV service. Support is designed with universal groove to accept conductors with diameter from 1.545" to 2.158".

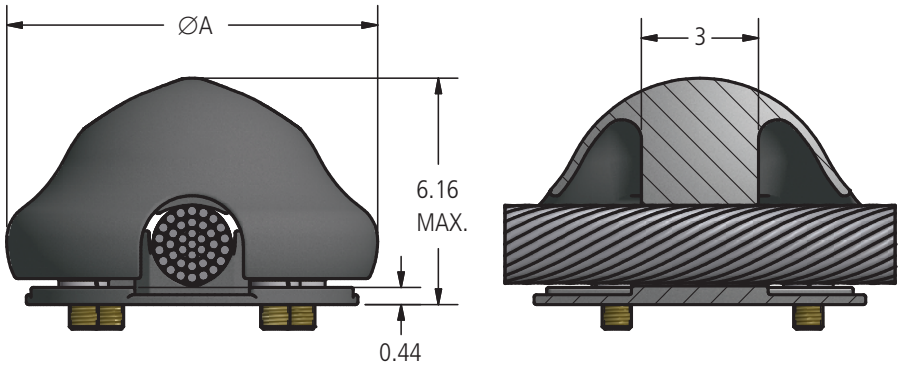
### Material
Aluminum Alloy

### Mounting Hardware
Galvanized steel bolts and lockwashers.

### Hardware
Yellow anodized aluminum bolts, nuts, and lockwashers.

### Notes

1. For use at high temperatures up to 250°C.




### Ordering Information

| Catalog Number | Conductor Diameter Range | Dimensions in inches | Nominal Weight lbs |
|---|---|---|---|
| | | A | |
| **5" Bolt Circle** | | | |
| 33805-5 EHV-HT | 1.545 - 2.158 | 7.25 | 4.5 |
| **7" Bolt Circle** | | | |
| 33805-7 EHV-HT | 1.545 - 2.158 | 9.5 | 6.6 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2025, AFL, all rights reserved. PP-3-00905, Revision 0, 7.25.2025
Specifications are subject to change without notice.



AFLglobal.com
1 (800) 890-8878

# CFTL-N-V-AA-HT

## Cable to Flat Tee Connector – High Temperature

Bolted tap is designed to be corona free for 345 kV and 500 kV operation when pad covers are used to shield terminal hardware.



CFTL-N-A-AA-HT

### Material

Aluminum Alloy

### Hardware

Stainless steel bolts, washers and Everdur nuts

### Notes

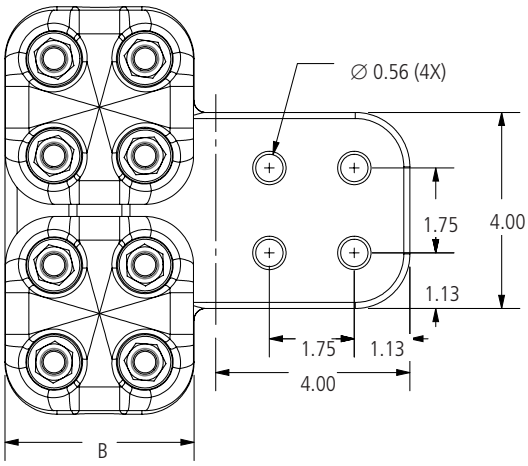
- Suitable for applications up to 250°C
- For Finished Surface on both sides of Pad, add "F" to catalog number. Example: CFTL95-4N4F-V-AA-HT
- For Hardware Shield, add "-CSBV" to catalog number. Example: CFTL95-4N4-V-AA-HT-CSBV

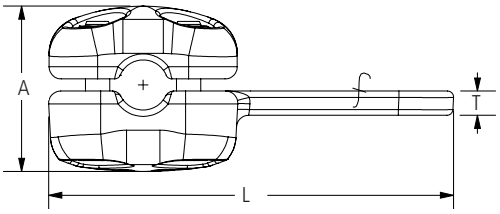


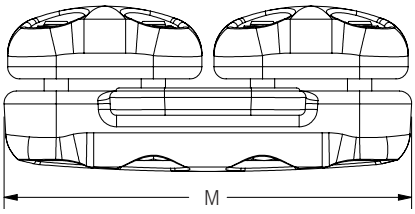
Side View



Front View




## Ordering Information

| Catalog Number | Cable Range | | | | Dimensions (inches) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | MIN | MAX | ACSS | Diameter | A | B | L | M | T |
| CFTL79-4N4-V-AA-HT | 700 MCM | 795 MCM | 555.6 (30/7), 605 (24/7, 26/7, 30/7, 30/19), 636 (18/1,36/1, 24/7, 26/7, 30/7, 30/19), 666.6 (24/7, 26/7) | 0.940-1.026 | 3.41 | 3.90 | 8.34 | 8.40 | 0.50 |
| CFTL95-4N4-V-AA-HT | 800 MCM | 954 MCM | 715.5 (24/7, 26/7, 30/19), 795 (36/1, 26/7, 45/7, 54/7, 30/19), 900 (45/7) | 1.032-1.140 | 3.52 | 3.90 | 8.35 | 8.40 | 0.50 |
| CFTL103-4N4-V-AA-HT | 1000 MCM | 1033.5 MCM | 900 (54/7), 954 (45/7,54/7) | 1.172-1.196 | 3.63 | 3.88 | 8.29 | 8.42 | 0.50 |
| CFTL127-4N4-V-AA-HT | 1113 MCM | 1272 MCM | 1033.5 (45/7, 54/7), 1113 (45/7, 54/19) | 1.216-1.300 | 3.81 | 4.50 | 8.86 | 9.43 | 0.50 |
| CFTL140-4N4-V-AA-HT | 1300 MCM | 1400 MCM | 1192.5 (45/7, 54/19), 1272 (45/7,54/19) | 1.315-1.385 | 3.81 | 4.50 | 8.86 | 9.42 | 0.50 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2024, AFL, all rights reserved. PP-3-00891, Revision 1, 3.28.2025
Specifications are subject to change without notice.



AFLglobal.com
1 (800) 890-8878

# TCL-N-V-AA-HT

## Bolted Terminal Connector – High Temperature

Bolted tap is designed to be corona free for 345 kV and 500 kV operation when pad covers are used to shield terminal hardware.



TCL-N-A-AA-HT

### Material

Aluminum Alloy

### Hardware

Stainless steel bolts, washers and Everdur nuts

### Notes

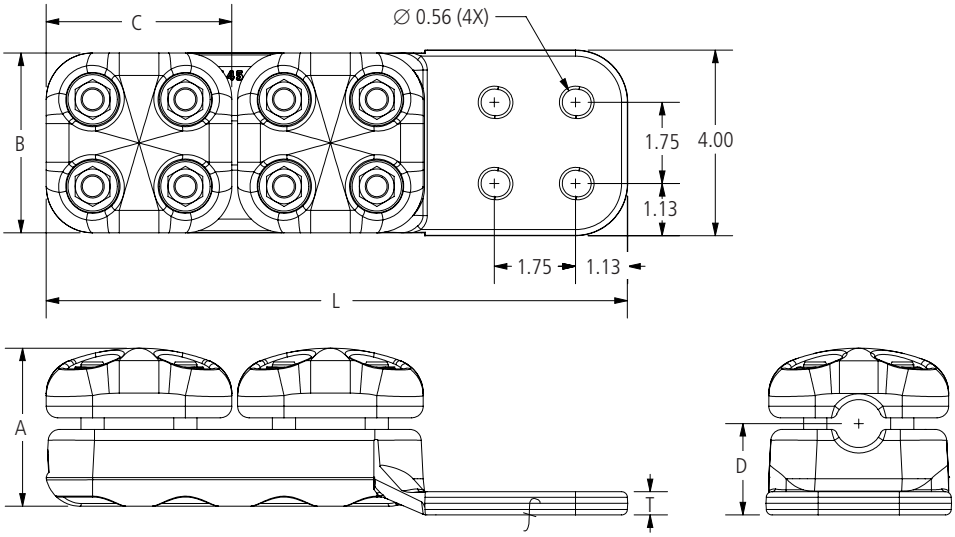
- Suitable for applications up to 250°C
- For Finished Surface on both sides of Pad, add "F" to catalog number. Example: TCL-79-4N4F-V-AA-HT
- For Hardware Shield, add "-CSBV" to catalog number. Example: TCL79-4N4-V-AA-HT-CSBV



Side View



Front View




## Ordering Information

| Catalog Number | Cable Range | | | | Dimensions (inches) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | MIN | MAX | ACSS | Diameter | A | B | C | D | L | T |
| TCL79-4N4-V-AA-HT | 700 MCM | 795 MCM | 555.6 (30/7), 605 (24/7, 26/7, 30/7, 30/19), 636 (18/1, 36/1, 24/7, 26/7, 30/7, 30/19), 666.6 (24/7, 26/7) | 0.940-1.026 | 3.41 | 3.88 | 4.00 | 1.97 | 12.53 | 0.50 |
| TCL95-4N4-V-AA-HT | 800 MCM | 954 MCM | 715.5 (24/7, 26/7, 30/19), 795 (36/1, 26/7, 45/7, 54/7, 30/19), 900 (45/7) | 1.032-1.140 | 3.52 | 3.88 | 4.00 | 2.08 | 12.53 | 0.50 |
| TCL103-4N4-V-AA-HT | 1000 MCM | 1033.5 MCM | 900 (54/7), 954 (45/7, 54/7) | 1.172-1.196 | 3.63 | 3.88 | 4.00 | 2.19 | 12.58 | 0.50 |
| TCL127-4N4-V-AA-HT | 1113 MCM | 1272 MCM | 1033.5 (45/7, 54/7), 1113 (45/7, 54/19) | 1.216-1.300 | 3.81 | 4.50 | 4.50 | 2.25 | 13.66 | 0.50 |
| TCL140-4N4-V-AA-HT | 1300 MCM | 1400 MCM | 1192.5 (45/7, 54/19), 1272 (45/7,54/19) | 1.315-1.385 | 3.81 | 4.50 | 4.50 | 2.25 | 13.67 | 0.50 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2025, AFL, all rights reserved. PP-3-00901, Revision 0, 3.28.2025
Specifications are subject to change without notice.

# Type APT-N-V-AA-HT

## Bolted Terminal Connector – High Temperature

Expands one NEMA pad to two NEMA pad. Useful for connecting twin lines. When using for high temperature operation, up to 250°C, Everdur nuts and stainless-steel bolts, flat washers and Belleville washers must be used.

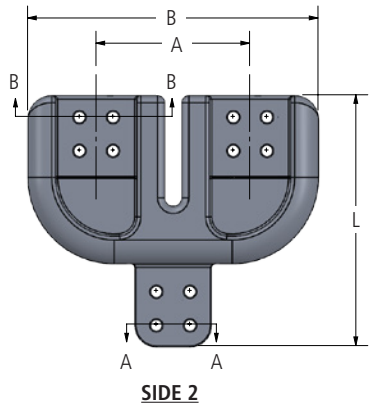


### Material

Aluminum Alloy

### Notes

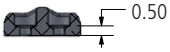
- For Mounting Hardware, add "-TMH" to catalog number. EX: APT6N4-18-V-AA-TMH
- For Hardware Shield, add "-CSBV" to catalog number. EX: APT6N4-18-V-AA-CSBV
- For Stainless Steel bolts, lockwashers and Everdur nuts, add "-SSHBN" to catalog number. EX: APT6N4-18-V-AA-SSHBN




SIDE 2




SECTION B-B




SECTION A-A




SECTION A-A (ALTERNATE)

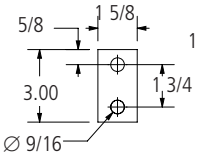



FIG 1

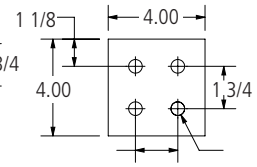



FIG 2

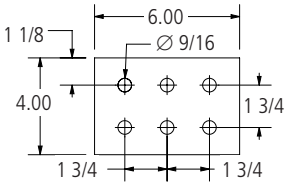



FIG 3

## Ordering Information

| Catalog Number | Figure Number | | Section A-A | Dimensions (inches) | | |
|---|---|---|---|---|---|---|
| | Side 1 | Side 2 | | A | B | L |
| APT4N4-8-V-AA | 2 | 2 | – | 8.00 | 15.13 | 13.06 |
| APT4N4-12-V-AA | 2 | 2 | – | 12.00 | 19.13 | 13.06 |
| APT4N4-18-V-AA | 2 | 2 | – | 18.00 | 25.13 | 13.06 |

AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2025, AFL, all rights reserved. PP-3-00902, Revision 0, 4.15.2025
Specifications are subject to change without notice.

© 2025, AFL, all rights reserved. PP-3-00902, Revision 0, 4.15.2025
Specifications are subject to change without notice.

# Table of Contents

## 765 kV

765 kV Table of Contents . . . . . 615
Pictorial Index . . . . . 617

*Bus Supports*
Type B6998 Series . . . . . 619
Type B7107 Series . . . . . 620
Type B7582-A Series . . . . . 621
Type C7009 Series . . . . . 622

*Couplers*
Type B7070 Series . . . . . 623
Type WWC-AA, WWC-E-AA . . . . . 624

*Corona Bells*
Type 34443, CXBV600 Series . . . . . 625

*Tee Connectors*
Type BAC-EHV-AA . . . . . 626
Type BCW-EHV-AA . . . . . 627
Type B7568-A Series . . . . . 628
Type B7071 Series . . . . . 629
Type B7072 Series . . . . . 630
Type B7095 Series . . . . . 631
Type B7006 Series . . . . . 632
Type B7875 Series . . . . . 633
Type B7096-A Series . . . . . 634
Type B7566, B7565 Series . . . . . 635
Type B7876, B7882 Series . . . . . 636
Type WT-EHV-AA . . . . . 637
Type WRP2CA-20-EHV-AA, WRP2CA-45-EHV-AA . . . . . 638

*Terminal Connectors*
Type WPC-4S4-AA-WH, WPCA-4S4-90-AA-WH . . . . . 639
Type WPCA-20-AA-WH, WPCA-45-AA-WH, WPCA-75-AA-WH . . . . . 640
Type WPCA-15L-AA-WH, WPCA-15R-AA-WH,
WPCA-15L-20-AA-WH, WPCA-15R-20-AA-WH . . . . . 641
Type B7094, B7567 Series . . . . . 642
Type B7001 Series . . . . . 643
Type WP2CA-45-EHV-AA . . . . . 644
Type B7583-A Series . . . . . 645
Type B7878-A Series . . . . . 646

*Ground Stud*
Type 34640-EHV Series . . . . . 647

*Spacer Clamps*
Type C6999-A, B7073 Series . . . . . 648

*Vibration Damper*
Type 1705, B7384 Series . . . . . 649

*Stud Connector*
Type B7004-A Series . . . . . 650
Type B7074-A Series . . . . . 651
Type B7108-A Series . . . . . 652
Type B7879-A, B7880 Series . . . . . 653

© 2011, AFL, all rights reserved. PP-3-00624, Revision 15, 5.14.2026
Specifications are subject to change without notice.



AFL
AFLglobal.com
1 (800) 890-8878

© 2011, AFL, all rights reserved. PP-3-00624, Revision 15, 5.14.2026
Specifications are subject to change without notice.

## 765 kV Bus Supports

| | |
|---|---|
|  | B6998 SERIES |
| | PG. 619 |
|  | B7101 SERIES |
| | PG. 620 |
|  | B7582 SERIES |
| | PG. 621 |
|  | C7009 SERIES |
| | PG. 622 |

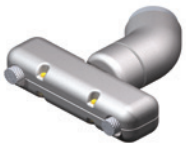
## 765 kV Couplers

| | |
|---|---|
|  | B7070 SERIES |
| | PG. 623 |
|  | WWC-AA, WWC-E-AA |
| | PG. 624 |

## 765 kV Corona Bells

| | |
|---|---|
|  | 34433 SERIES |
| | PG. 625 |
|  | CXBV600 SERIES |
| | PG. 625 |

## 765 kV Tee Connectors

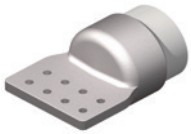
| | |
|---|---|
|  | BAC-EHV-AA |
| | PG. 626 |
|  | BCW-EHV-AA |
| | PG. 627 |
|  | B7568-A SERIES |
| | PG. 628 |
|  | B7071 SERIES |
| | PG. 629 |
|  | B7072 SERIES |
| | PG. 630 |
|  | B7095 SERIES |
| | PG. 631 |
|  | B7006 SERIES |
| | PG. 632 |
|  | B7875 SERIES |
| | PG. 633 |
|  | B7096-A SERIES |
| | PG. 634 |

| | |
|---|---|
|  | B7566 SERIES |
| | PG. 635 |
|  | B7565 SERIES |
| | PG. 635 |
|  | B7876 SERIES |
| | PG. 636 |
|  | B7882 SERIES |
| | PG. 636 |
|  | WT-EHV-AA |
| | PG. 637 |
|  | WRP2CA-20-EHV-AA |
| | PG. 638 |
|  | WRP2CA-45-EHV-AA |
| | PG. 638 |

## 765 kV Terminal Connectors

| | |
|---|---|
|  | WPC-4S4-AA-WH |
| | PG. 639 |
|  | WPCA-4S4-90-AA-WH |
| | PG. 639 |

© 2011, AFL, all rights reserved. PP-3-00625, Revision 12, 3.3.2026
Specifications are subject to change without notice.

| | |
|---|---|
|  | WPCA-20-AA-WH |
| | PG. 640 |
|  | WPCA-45-AA-WH |
| | PG. 640 |
|  | WPCA-75-AA-WH |
| | PG. 640 |
|  | WPCA-15L-AA-WH |
| | PG. 641 |
|  | WPCA-15R-AA-WH |
| | PG. 641 |
|  | WPCA-15R-20-AA-WH |
| | PG. 641 |
|  | WPCA-15L-20-AA-WH |
| | PG. 641 |
|  | B7094 SERIES |
| | PG. 642 |
|  | B7567 SERIES |
| | PG. 642 |
|  | B7001 SERIES |
| | PG. 643 |

| | |
|---|---|
|  | WP2CA-45-EHV-AA |
| | PG. 644 |
|  | B7583-A SERIES |
| | PG. 645 |
|  | B7878-A SERIES |
| | PG. 646 |
| **765 kV Ground Jumpers** | |
|  | 34640-EHV SERIES |
| | PG. 647 |
| **765 kV Spacer Clamps** | |
|  | B7073 SERIES |
| | PG. 648 |
|  | C6999-A SERIES |
| | PG. 648 |
| **765 kV Vibration Dampers** | |
|  | 1705 SERIES |
| | PG. 649 |
|  | B7384 SERIES |
| | PG. 649 |

| | |
|---|---|
| **765 kV Stud Connectors** | |
|  | B7004-A SERIES |
| | PG. 650 |
|  | B7074-A SERIES |
| | PG. 651 |
|  | B7108-A SERIES |
| | PG. 652 |
|  | B7879-A SERIES |
| | PG. 653 |
|  | B7880 SERIES |
| | PG. 653 |

© 2011, AFL, all rights reserved. PP-3-00625, Revision 12, 3.3.2026
Specifications are subject to change without notice.



AFL | AFLglobal.com
1 (800) 890-8878

# DOSSERT®
## TYPE B6998 Series

### Bolted Support, Slip or Fixed Fit
### Recommended for Voltages Up to 765 kV



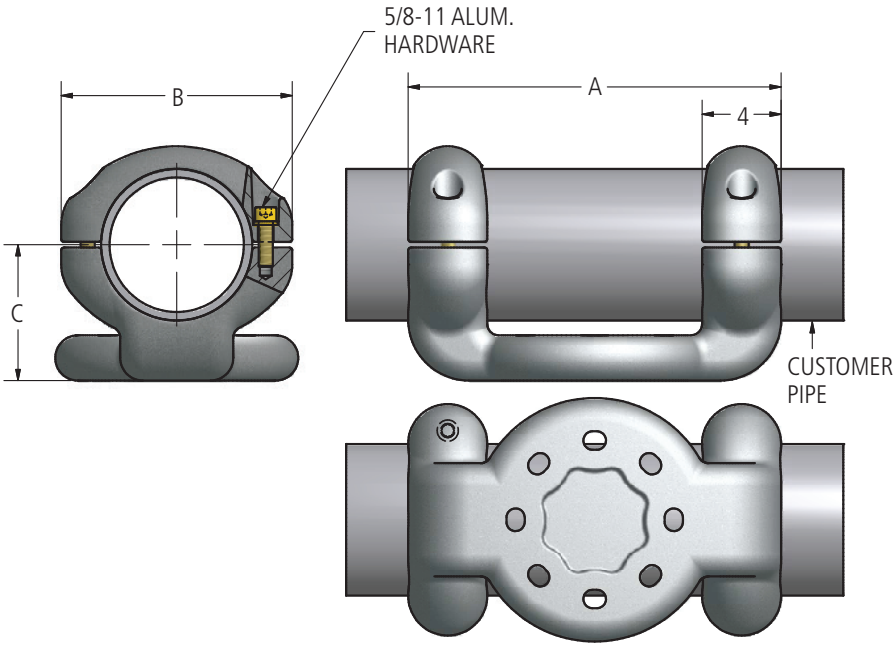
Support is designed to be corona free for 765 kV operation. Support can be supplied for fixed fit or slip fit applications. For slip fit applicaton, stainless steel chatter springs are supplied. Aluminum mounting hardware is supplied as standard; galvanized steel can be furnished on request.

### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, and lockwashers. Galvanized steel mounting hardware included.




### Ordering Information

| CATALOG NUMBERS | CONDUCTOR SIZE TUBULAR BUS SPS & EHPS | SLIP OR FIXED | BOLT CIRCLE | DIMENSIONS IN INCHES | | | NOMINAL WEIGHT LBS |
|---|---|---|---|---|---|---|---|
| | | | | A | B | C | |
| B6998-A | 6" | Fixed | 7" | 16.28 | 10.55 | 5.50 | 27.0 |
| B6998-B | 6" | Slip | 7" | 16.28 | 10.55 | 5.50 | 27.6 |
| B6998-C | 5" | Fixed | 7" | 16.50 | 9.62 | 5.00 | 25.0 |
| B6998-D | 5" | Slip | 7" | 16.50 | 9.62 | 5.00 | 25.6 |
| B6998-E | 8" O.D. | Fixed | 7" | 16.50 | 12.06 | 5.75 | 30.0 |
| B6998-F | 8" O.D. | Slip | 7" | 16.50 | 12.06 | 5.75 | 30.6 |
| B6998-G | 6" | Fixed | 5" | 14.50 | 10.55 | 5.50 | 26.5 |
| B6998-H | 6" | Slip | 5" | 14.50 | 10.55 | 5.50 | 27.7 |
| B6998-K | 6" | Fixed | 3" | 12.25 | 10.55 | 5.50 | 24.3 |



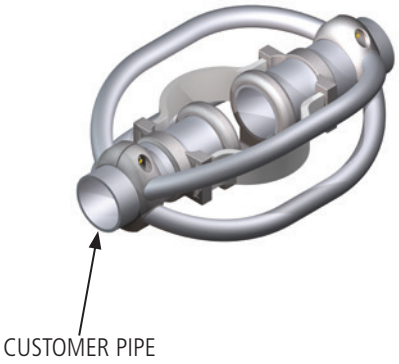
© 2011, AFL, all rights reserved. PP-3-00218, Revision 0, 3.11.11
Specifications are subject to change without notice.

# 765 kV Bus Supports

## DOSSERT®

## TYPE B7107 Series

### Welded Support, Expansion Type
### Recommended for Voltages Up to 765 kV



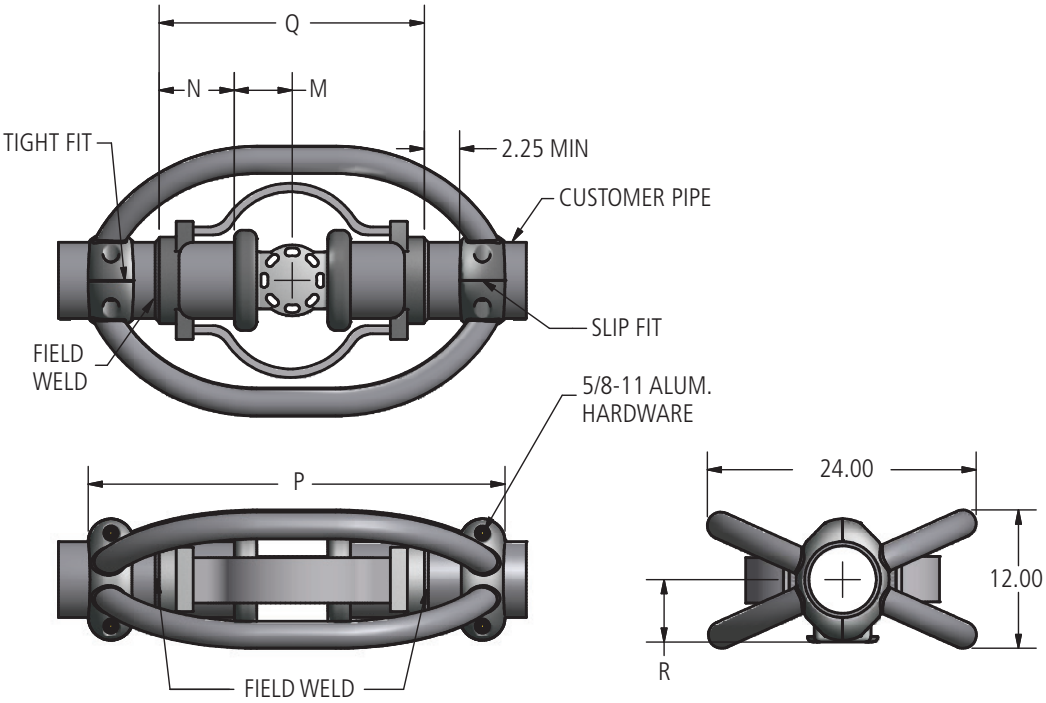

Expansion support is designed to be corona free for 765 KV operation. Expansion support is designed for maximum bus run of 150 feet (46 m) operating between a minimun temperature of -20°F (-28.9°C) and a maximum temperature of 200°F (93.3°C). Assembly consists of support, expansion straps, corona rings and hardware. Stainless steel chatter springs are supplied with corona ring and support assembly. Aluminum mounting hardware is supplied as standard, galvanized steel can be furnished on request. Weldment end plugs can be furnished if required.

### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, and lockwashers. Galvanized steel mounting hardware included.




### Ordering Information

| CATALOG NUMBERS | CONDUCTOR SIZE TUBULAR BUS SPS & EHPS | BOLT CIRCLE | DIMENSIONS IN INCHES | | | | | NOMINAL WEIGHT LBS |
|---|---|---|---|---|---|---|---|---|
| | | | M | N | P | Q | R | |
| B7107-A | 6" | 7" | 5.25 | 4.81 | 36.75 | 23.38 | 5.50 | 66.6 |
| B7107-B | 6" | 5" | 4.12 | 5.94 | 36.75 | 23.38 | 5.50 | 64.3 |
| B7107-C | 5" | 7" | 6.38 | 4.00 | 37.34 | 20.75 | 5.00 | 45.4 |



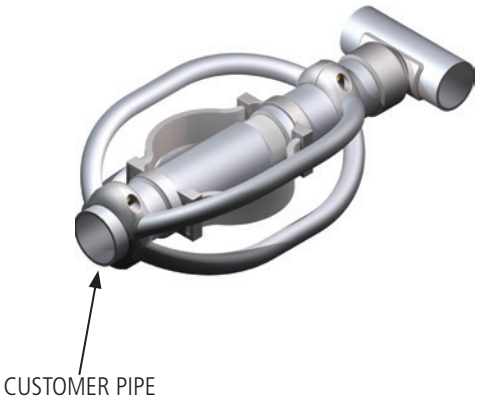
© 2011, AFL, all rights reserved. PP-3-00219, Revision 1, 9.4.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE B7582-A Series

### Tee Connector, Bolted, Welded Expansion Type
### Recommended for Voltages Up to 765 kV

Expansion tee is designed to be corona free for 765 KV operation. Expansion tee is designed for maximum bus run of 150 feet (46M) operating between a minimum temperature of -20°F (-28.9°C) and maximum temperature of 200°F (93.3°C). Assembly consists of weld tee, guide insert, expansion straps, corona rings and hardware. Stainless steel chatter springs are supplied with corona ring assembly.

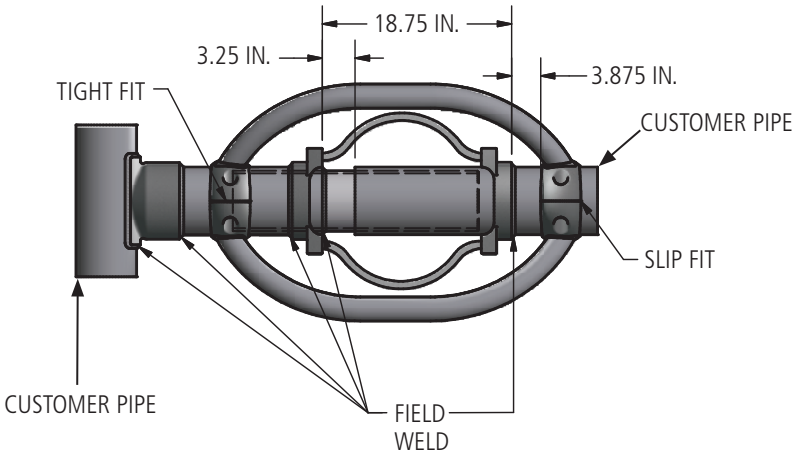


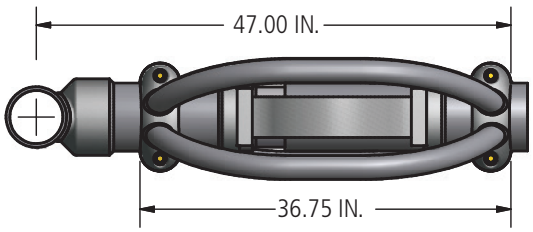

### Material

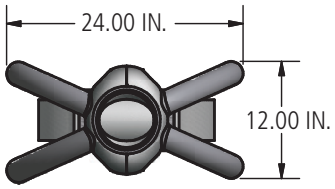
Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, washers, lockwashers.




### Ordering Information

| CATALOG NUMBERS | CONDUCTOR SIZE TUBULAR BUS | | NOMINAL WEIGHT LBS |
|---|---|---|---|
| | RUN | TAP | |
| B7582-A | 5" | 6" | 74.9 |
| | 6" | 6" | 74.9 |



© 2011, AFL, all rights reserved. PP-3-00232, Revision 0, 3.14.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE C7009 Series



### Bi-Spacer Support for Strained Conductor
### Recommended for Voltages Up to 765 kV

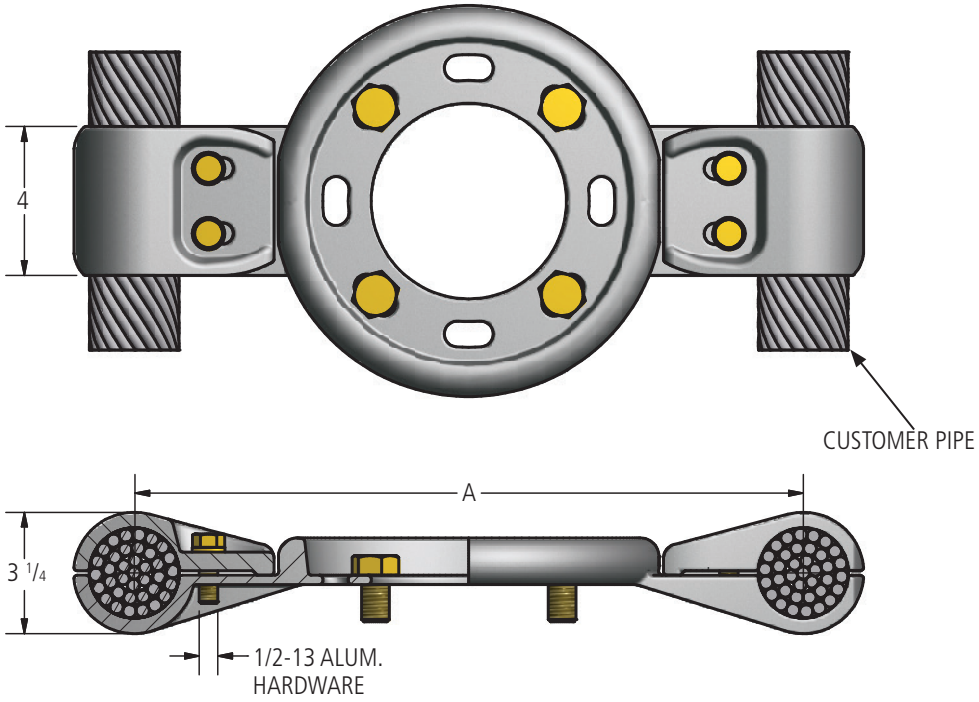
Support is designed to be corona free for 765 KV operation. Aluminum insulator mounting hardware is supplied as standard; galvanized steel hardware can be furnished on request.

### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, and lockwashers. Galvanized steel mounting hardware included.




### Ordering Information

| CATALOG NUMBERS | DIMENSIONS IN INCHES | | | NOMINAL WEIGHT LBS |
|---|---|---|---|---|
| | CONDUCTOR SIZE O.D. | BOLT CIRCLE | A | |
| C7009-A | 2.4 | 7" | 18.00 | 11.4 |
| C7009-B | 2.311 | 7" | 17.75 | 11.4 |
| C7009-C | 2.4 | 5" | 18.00 | 11.4 |



© 2011, AFL, all rights reserved. PP-3-00266, Revision 0, 3.14.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE B7070 Series

### Coupler, Bolted, For Tubular Bus Conductor
### Recommended for Voltages Up to 765 kV

Bolted coupler is designed to be corona free for 765kV operation. Bolt heads are captive for one wrench installation. Contact surfaces are protected with oxide inhibitor.

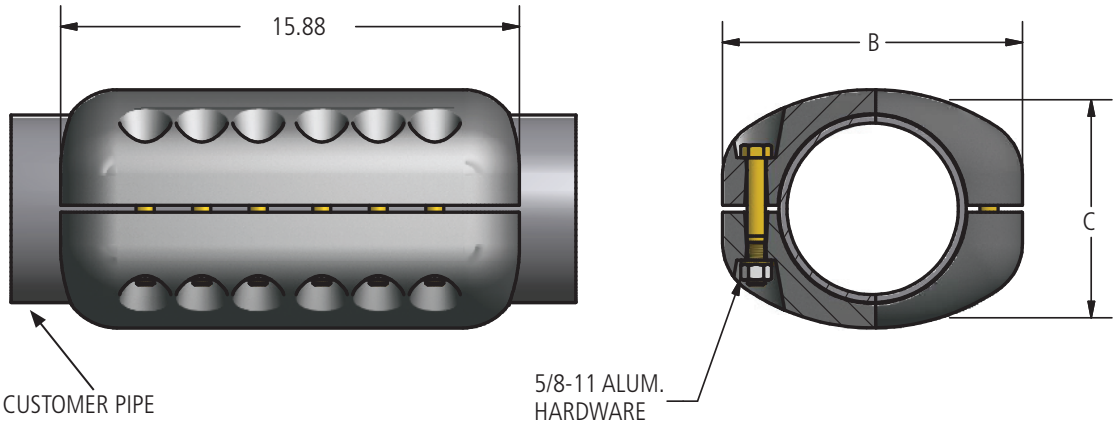



### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, washers, and lockwashers.




### Ordering Information

| CATALOG NUMBERS | CONDUCTOR SIZE TUBULAR BUS SPS & EHPS | DIMENSIONS IN INCHES | | NOMINAL WEIGHT LBS |
|---|---|---|---|---|
| | | B | C | |
| B7070-A | 6 | 10.38 | 8.08 | 40.6 |
| B7070-B | 5 | 9.56 | 7.06 | 36.8 |



© 2011, AFL, all rights reserved. PP-3-00222, Revision 0, 3.14.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE WWC-AA, WWC-E-AA

### Aluminum Welded Coupler Rated for 765 kV

Coupler is designed to make connections with high mechanical strength and high electrical conductivity.

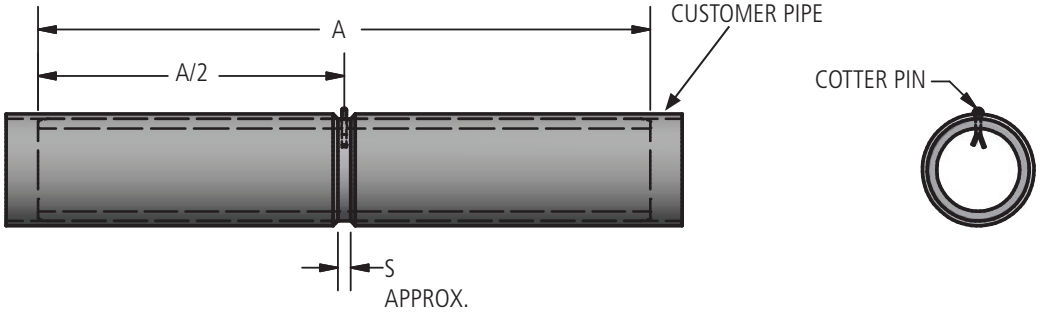


### Material

Aluminum tubing

### Hardware

Aluminum cotter pin




### Ordering Information

| CATALOG NUMBER | | SPS / EPHS | DIMENSIONS (INCHES) | |
|---|---|---|---|---|
| SCHEDULE 40 | SCHEDULE 80 | | A | S |
| WWC600-AA | WWC600E-AA | 6 | 24 | 5/8 |



© 2011, AFL, all rights reserved. PP-3-00880, Revision 0, 4.21.2021
Specifications are subject to change without notice.

# DOSSERT®

## TYPE 34433, CXBV600 Series

**End Plug For Round Tubular Bus**
**Recommended for Voltages Up to 765 kV**

Corona bell is designed to be corona free for 765 kV service.



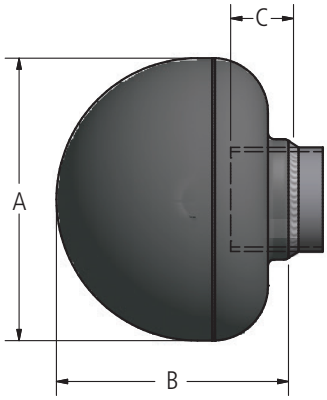
34433-EHV

### Material

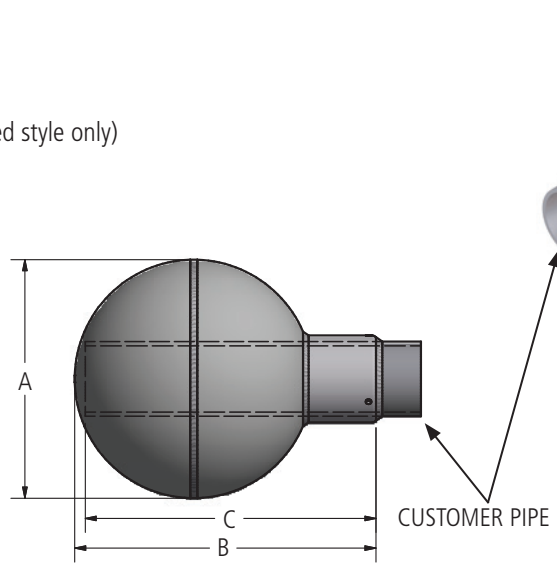
Aluminum Alloy

### Hardware

Stainless steel socket set screws (for Bolted style only)




WELDED 34433 EHV




BOLTED CXBV600-21-EHV-AA



CXBV600-21-EHV-AA

### Ordering Information

| CATALOG NUMBERS | CONDUCTOR SIZE TUBULAR BUS SPS & EHPS | DIMENSIONS IN INCHES | | | NOMINAL WEIGHT LBS |
|---|---|---|---|---|---|
| | | A | B | C | |
| 34433EHV | 6 | 17.00 | 13.25 | 3.88 | 18.8 |
| CXBV600-21-EHV-AA | 6 | 21.00 | 22.12 | 20.90 | 30.7 |





© 2011, AFL, all rights reserved. PP-3-00181, Revision 1, 12.16.13
Specifications are subject to change without notice.

# DOSSERT®
## TYPE BAC-EHV-AA



### Recommended for Voltages Up to 765 kV

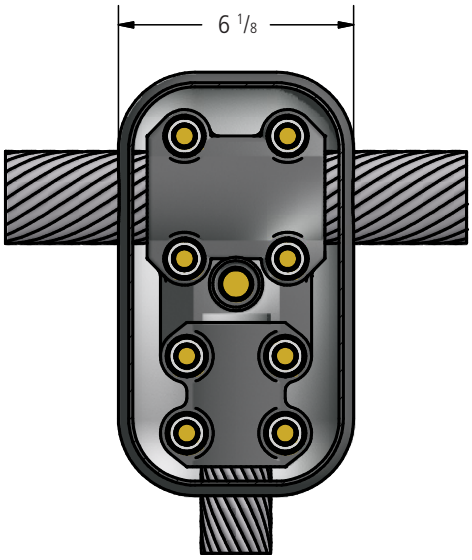
Bolted tee connector is designed to be corona free for 765 kV operation.

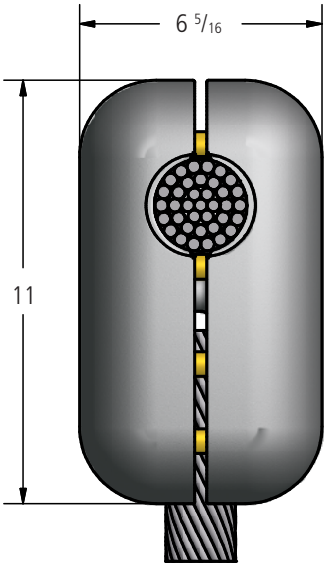
### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, and lockwashers.




### Ordering Information

| CATALOG NUMBER | CABLE SIZE | |
|---|---|---|
| | RUN | TAP |
| BAC240R-135A-EHV-AA | 2.40 DIA. ALUM. | 1351, 5 (45/7) ACSR. |
| BAC240R-240R-EHV-AA | 2.40 DIA. ALUM. | 2.40 DIA. ALUM. |
| BAC240R-250-EHV-AA | 2.4 DIA. ALUM. | 2500 MCM AL 2156 ACSR |
| BAC250-250-EHV-AA | 2500 MCM AL. 2156 ACSR | 2500 MCM AL 2156 ACSR |





© 2011, AFL, all rights reserved. PP-3-00238, Revision 0, 3.14.11
Specifications are subject to change without notice.

# DOSSERT®
## TYPE BCW-EHV-AA



### Tee Connector

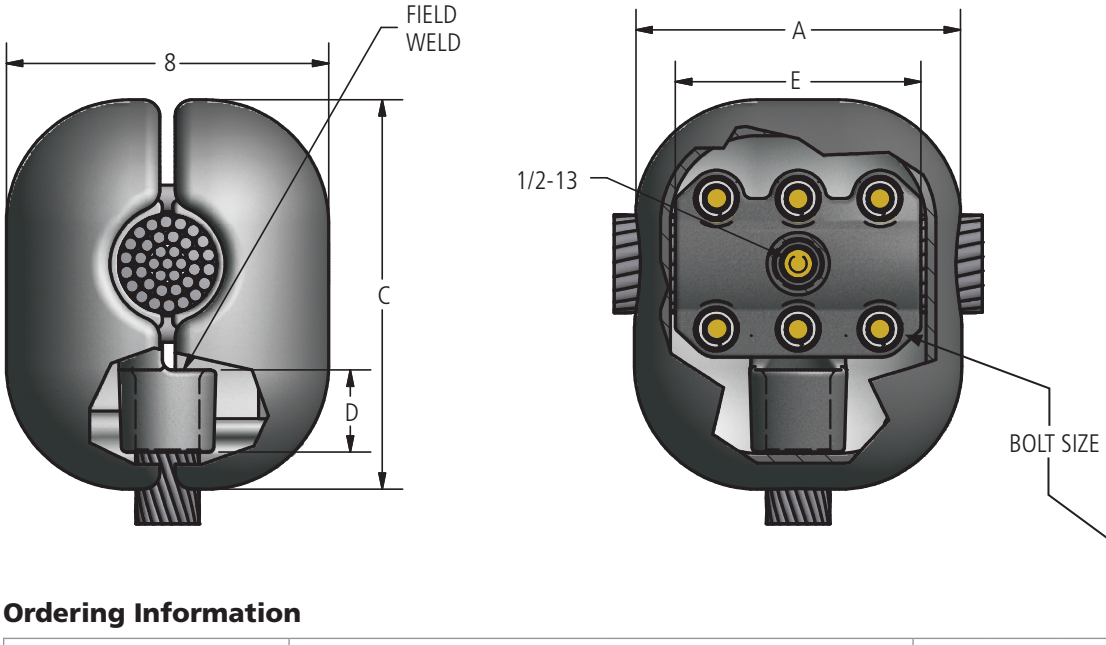
Bolted tee connector is designed to be corona free for 765 kV operation.

### Material

Aluminum alloy

### Hardware

Yellow anodized aluminum bolts, nuts, and lockwashers.




### Ordering Information

| CATALOG NUMBER | CABLE SIZE | | DIMENSIONS IN INCHES | | | | BOLT SIZE |
|---|---|---|---|---|---|---|---|
| | RUN | TAP | A | C | D | E | |
| BCW95A-240R-EHV-AA | 715.5(26/7) - 954(54/7) MCM | 2.4 OD | 8 | 9 1/8 | 2 3/4 | 5 1/2 | 1/2 |
| BCW135A-240R-EHV-AA | 1192.5(54/19) - 1351.5(45/7) MCM | 2.4 OD | 8 | 9 1/2 | 2 3/4 | 5 1/2 | 1/2 |
| BCW240R-95A-EHV-AA | 2.4 OD | 715.5(26/7) - 954(54/7) MCM | 8 | 9 1/2 | 1 3/4 | 6 | 5/8 |
| BCW240R-135A-EHV-AA | 2.4 OD | 1192.5(54/19) - 1351.5(45/7) MCM | 8 | 9 1/2 | 2 | 6 | 5/8 |
| BCW240R-240R-EHV-AA | 2.4 OD | 2.4 OD | 12 | 10 | 2 3/4 | 10 | 5/8 |





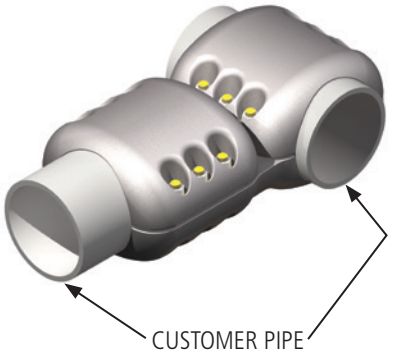
© 2011, AFL, all rights reserved. PP-3-00246, Revision 0, 3.14.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE B7568-A Series

**Tee Connector, Bolted, For Tubular Bus Conductor**
**Recommended for Voltages up to 765 kV**

Bolted tee connector is designed to be corona free for 765 kV operation. Bolt heads are captive for one wrench installation. Contact surfaces are protected with oxide inhibitor.



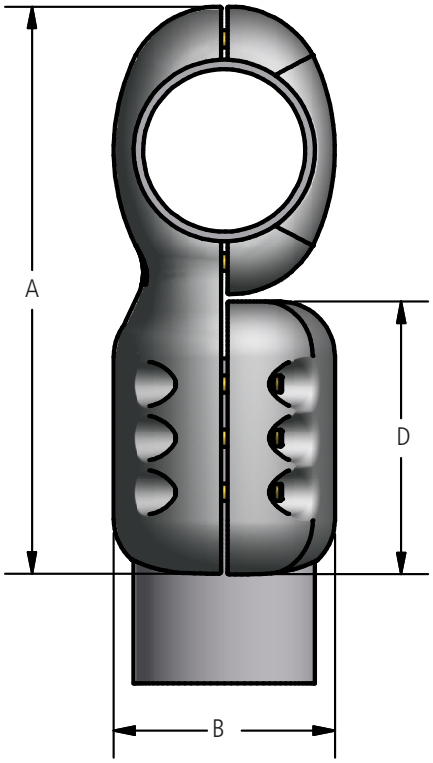

### Material

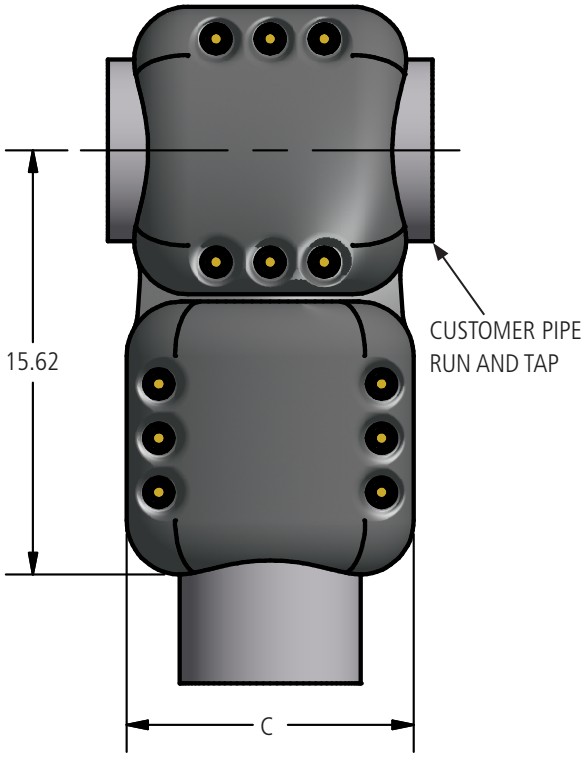
Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, washers, lockwashers.






### Ordering Information

| CATALOG NUMBER | CONDUCTOR SIZE TUBULAR BUS SPS & EHPS | | DIMENSIONS IN INCHES | | | | NOMINAL WEIGHT LBS |
|---|---|---|---|---|---|---|---|
| | RUN | TAP | A | B | C | D | |
| B7568-A | 6" | 6" | 20.95 | 8.18 | 10.66 | 10.07 | 44.0 |



© 2011, AFL, all rights reserved. PP-3-00231, Revision 0, 3.14.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE B7071 Series

### Welded Tee Adapter, NPS to Two Conductors
### Recommended for Voltages up to 765 kV



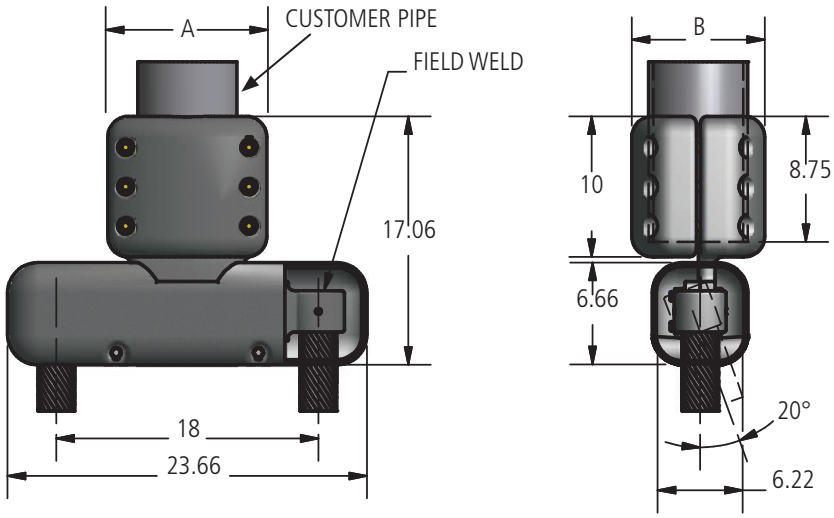
Bolted adapter is designed to be corona free for 765 KV operation. Assembly consists of bolted end connector, two terminals, corona shields and hardware. Bolt heads are captive for one wrench installation.

### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, washers, lock washers




### Ordering Information

| CATALOG NUMBER | CONDUCTOR SIZE TUBULAR BUS | | TERMINAL ANGLE | DIMENSIONS IN INCHES | | NOMINAL WEIGHT LBS |
|---|---|---|---|---|---|---|
| | SPS | STRAIN BUS | | A | B | |
| B7071-A | 6" | 2.4 | STR. | 10.62 | 8.12 | 51.1 |
| B7071-B | 6" | 2.4 | 20° | 10.62 | 8.12 | 50.9 |
| B7071-C | 5" | 2.4 | STR. | 9.56 | 7.06 | 49.4 |
| B7071-D | 5" | 2.4 | 20° | 9.56 | 7.06 | 49.2 |





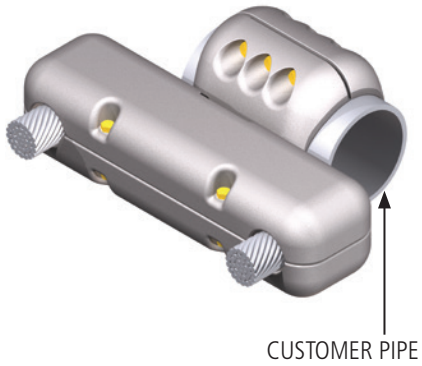
© 2011, AFL, all rights reserved. PP-3-00223, Revision 0, 3.14.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE B7072 Series

### Welded Tee Adapter, NPS to Two Conductors
### Recommended for Voltages up to 765 kV

Bolted adapter is designed to be corona free for 765 KV operation. Assembly consists of bolted end connector, two terminals, corona shields and hardware. Bolt heads are captive for one wrench installation.



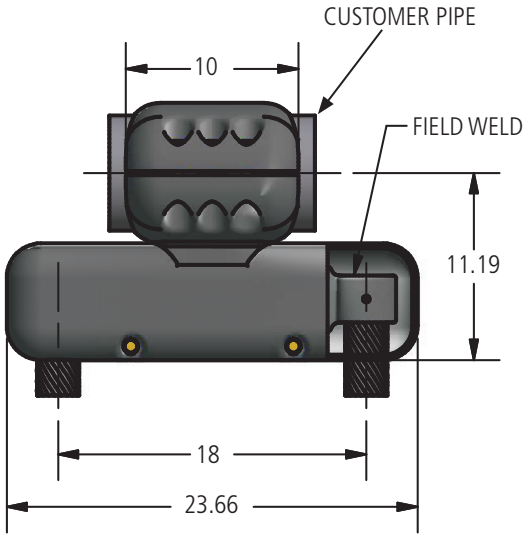

### Material

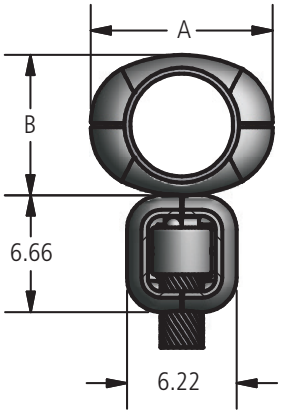
Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, washers, lockwashers.






### Ordering Information

| CATALOG NUMBER | CONDUCTOR SIZE TUBULAR BUS | | DIMENSIONS IN INCHES | | NOMINAL WEIGHT LBS |
|---|---|---|---|---|---|
| | SPS & EHPS | STRAIN BUS | A | B | |
| B7072-A | 6" | 2.4 | 10.66 | 8.12 | 47.1 |
| B7072-B | 5" | 2.4 | 9.50 | 7.06 | 44.4 |

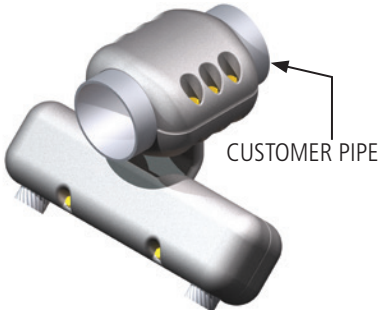


© 2011, AFL, all rights reserved. PP-3-00224, Revision 0, 3.14.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE B7095 Series

### Tee Adapter – 45°, Bolted, NPS to Two Conductor Bundle
### Recommended for Voltages up to 765 kV



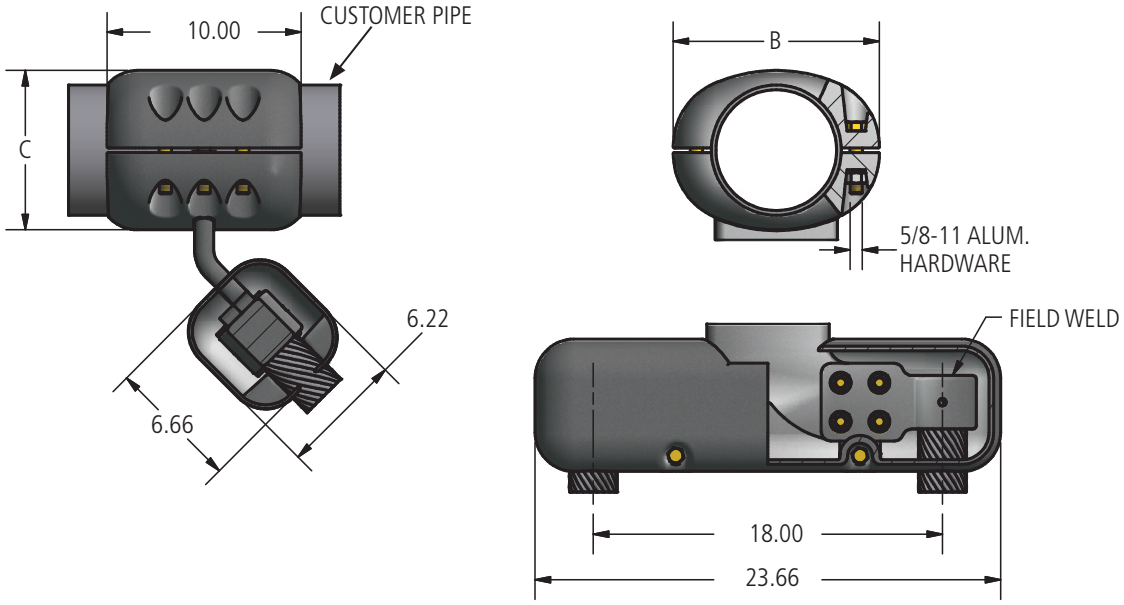

Bolted 45° tee adapter is designed to be corona free for 765 kV operation. Assembly consists of bolted 45° tee connector, two terminals, corona shields and hardware. Bolt heads are captive for one wrench installation. Contact surfaces are protected with oxide inhibitor.

### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, washers, lockwashers.




### Ordering Information

| CATALOG NUMBER | CONDUCTOR SIZE | | DIMENSIONS IN INCHES | | NOMINAL WEIGHT LBS |
|---|---|---|---|---|---|
| | TUBULAR BUS SPS & EHPS | STRAIN BUS | B | C | |
| B7095-A | 6" | 2.4 | 10.66 | 8.12 | 46.8 |
| B7095-B | 5" | 2.4 | 9.50 | 7.06 | 44.1 |



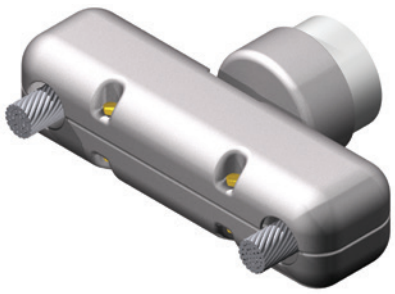


© 2011, AFL, all rights reserved. PP-3-00226, Revision 0, 3.14.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE B7006 Series

### Tee Adapter, Welded, NPS to Conductor Bundle
### Recommended for Voltages up to 765 kV



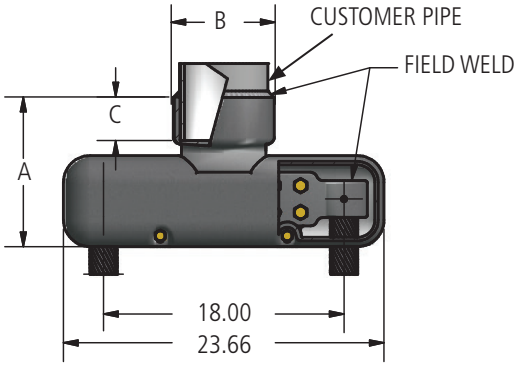
Welded end adapter is designed to be corona free for 765 kV operation. Assembly consists of welded end connector, two or three terminals, corona shields and hardware.

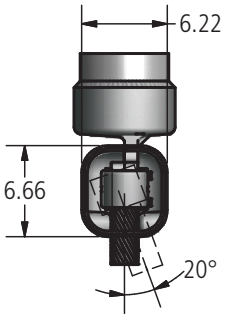
### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, washers, lockwashers.




### Ordering Information

| CATALOG NUMBER | CONDUCTOR SIZE | | | TERMINAL ANGLE | DIMENSIONS IN INCHES | | | NOMINAL WEIGHT LBS |
|---|---|---|---|---|---|---|---|---|
| | TUBULAR BUS SPS & EHPS | STRAIN | | | A | B | C | |
| | | MIN | MAX | | | | | |
| B7006-A | 6 | 2.4 | | STR. | 11.19 | 7.56 | 3.25 | 32.8 |
| B7006-B | 6 | 2.4 | | 20° | 11.19 | 7.56 | 3.25 | 32.6 |
| B7006-C | 5 | 2.4 | | STR. | 10.69 | 6.38 | 2.75 | 30.6 |
| B7006-D | 5 | 2.4 | | 20 | 10.69 | 6.38 | 2.75 | 30.4 |
| B7006-E | 6 | 1.361 | 1.423 | STR. | 11.19 | 7.56 | 3.25 | 32.8 |
| B7006-F | 6 | 1.361 | 1.423 | 20° | 11.19 | 7.56 | 3.25 | 32.6 |



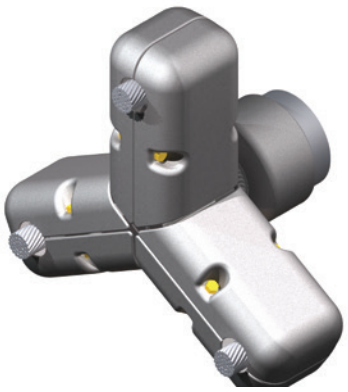


© 2011, AFL, all rights reserved. PP-3-00221, Revision 0, 3.14.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE B7875 Series

### Tee Adapter, Welded, NPS to Conductor Bundle
### Recommended for Voltages up to 765 kV



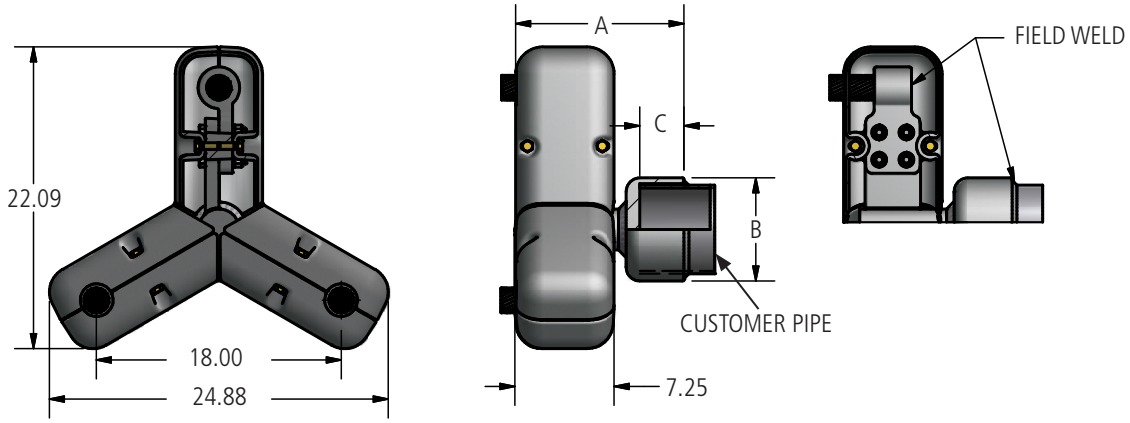
Welded end adapter is designed to be corona free for 765 kV operation. Assembly consists of welded end connector, two or three terminals, corona shields and hardware.

### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, washers, lockwashers.




### Ordering Information

| CATALOG NUMBER | CONDUCTOR SIZE | | DIMENSIONS IN INCHES | | | NOMINAL WEIGHT LBS |
|---|---|---|---|---|---|---|
| | TUBULAR BUS SPS & EHPS | STRAIN BUS DIAMETER | A | B | C | |
| B7875-A | 6" | 1.981 - 2.042 | 12.38 | 7.56 | 3.25 | 52.5 |

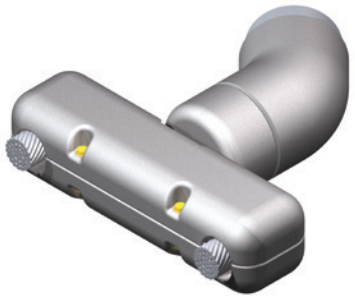




© 2011, AFL, all rights reserved. PP-3-00234, Revision 0, 3.14.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE B7096-A Series



### Adapter, Welded, NPS to Three Conductor Bundle
### Recommended for Voltages up to 765 kV

Welded 45° end adapter is designed to be corona free for 765 kV operation. Assembly consists of 45° elbow, end connector, two terminals, corona shields and hardware. Connector angle may be rotated to permit 45° take-off for horizontal or vertical planes.

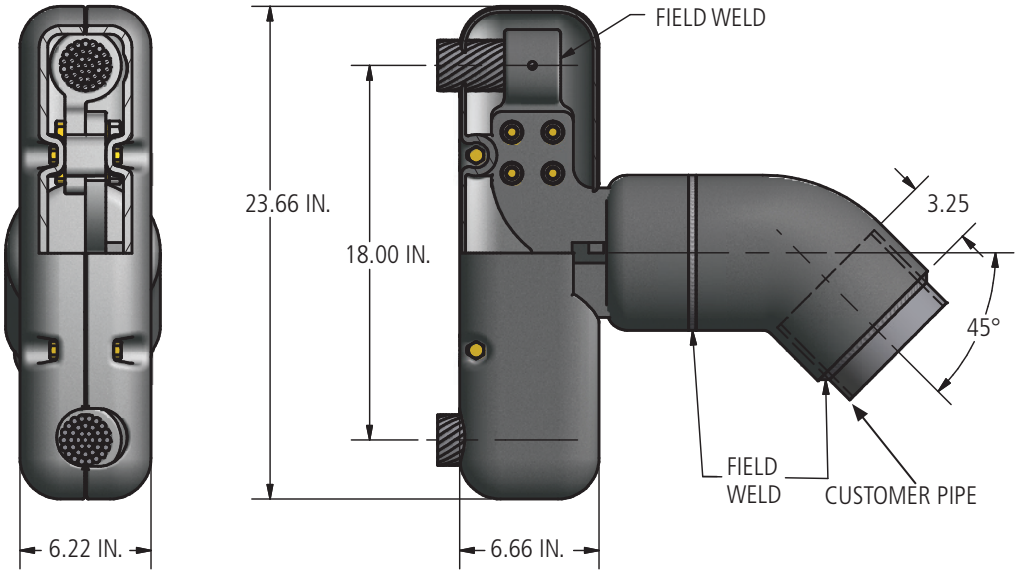
### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, washers, lockwashers.






### Ordering Information

| CATALOG NUMBER | CONDUCTOR SIZE | | NOMINAL WEIGHT LBS |
|---|---|---|---|
| | TUBULAR BUS SPS & EHPS | STRAIN BUS | |
| B7096-A | 6" | 2.4 | 46.2 |



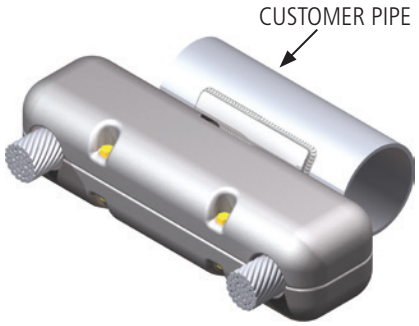
© 2011, AFL, all rights reserved. PP-3-00227, Revision 0, 3.14.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE B7566, B7565 Series

### Tee Adapter, Welded, NPS to Two Conductors
### Recommended for Voltages up to 765 kV

Welded tee adapter is desgined to be corona free for 765 kV operation. Assembly consists of welded tee connector, two terminals and corona shield.



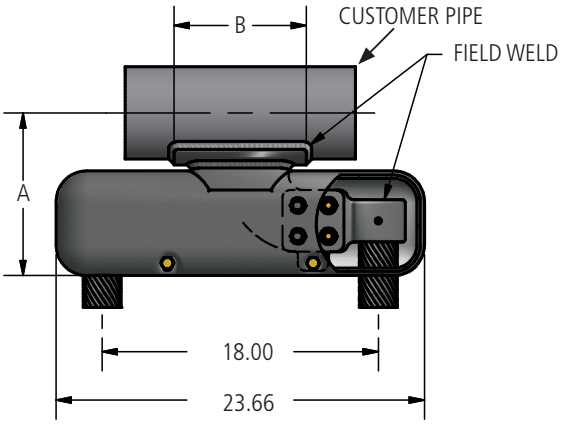

B7566-A

**Material**

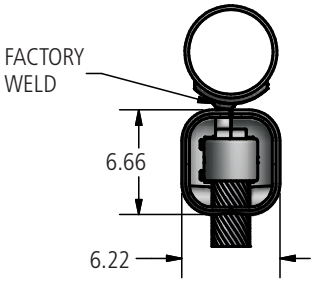
Aluminum Alloy

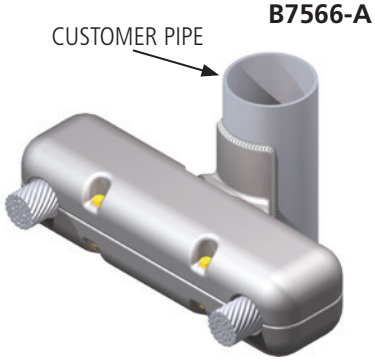
Yellow anodized aluminum bolts, nuts, washers, lockwashers.

**Hardware**

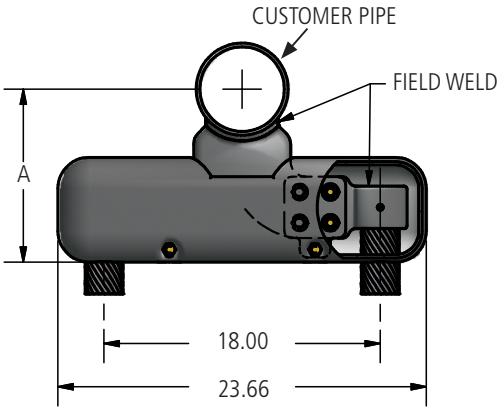



B7566-A

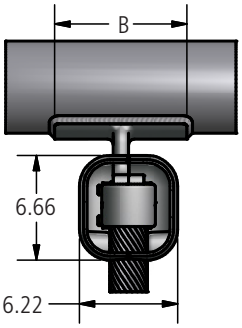



B7565-A




B7565-A




### Ordering Information

| CATALOG NUMBER | CONDUCTOR SIZE | | DIMENSIONS IN INCHES | | NOMINAL WEIGHT LBS |
|---|---|---|---|---|---|
| | TUBULAR BUS SPS & EHPS | STRAIN BUS | A | B | |
| B7566-A | 5" | 2.4 | 11.31 | 8.62 | 27.0 |
| | 6" | | | | |
| B7565-A | 5" | | 11.97 | | 27.8 |
| | 6" | | | | |





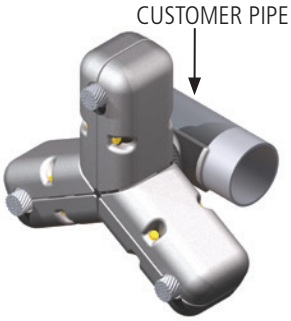
© 2011, AFL, all rights reserved. PP-3-00230, Revision 0, 3.14.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE B7876, B7882 Series

**Tee Adapter, Welded, NPS to Three or Four Conductor Bundle**
**Recommended for Voltages up to 765 kV**

Welded tee adapter is designed to be corona free for 765 kV operation. Assembly consists of welded tee connector, three or four terminals and corona shields.



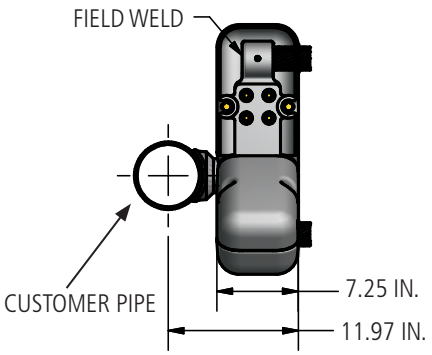

**B7876-A**

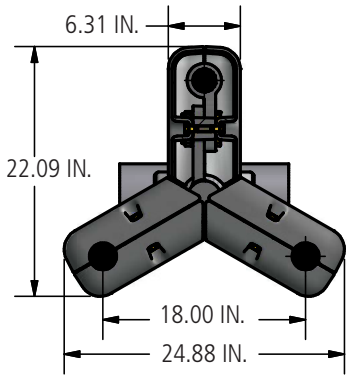
### Material

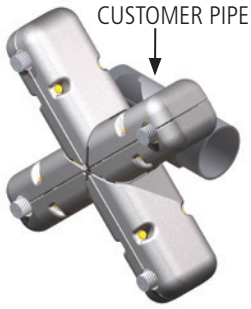
Aluminum Alloy

### Hardware

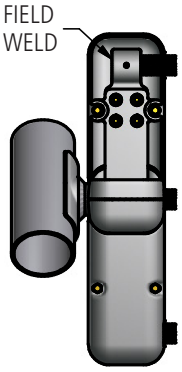
Yellow anodized aluminum bolts, nuts, washers, lockwashers.

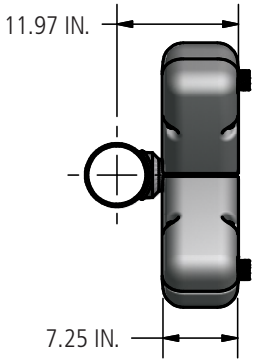


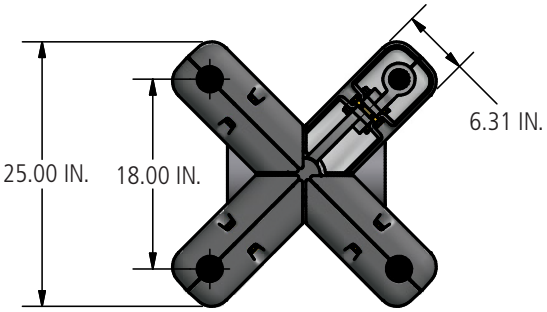




**B7882-A**




### Ordering Information

| CATALOG NUMBER | CONDUCTOR SIZE | | NOMINAL WEIGHT LBS | NUMBER OF STRAIN BUS |
|---|---|---|---|---|
| | TUBULAR BUS SPS & EHPS | STRAIN BUS | | |
| B7876-A | 5"<br>6" | 1.981 - 2.042 | 47.9 | 3 |
| B7882-A | 5"<br>6" | 1.737 - 1.792 | 68.3 | 4 |
| B7882-B | 5"<br>6" | 1.361 - 1.423 | 68.3 | 4 |
| B7882-C | 5"<br>6" | 1.258 - 1.340 | 68.3 | 4 |



© 2011, AFL, all rights reserved. PP-3-00235, Revision 1, 3.21.17
Specifications are subject to change without notice.

# DOSSERT®

## TYPE WT-EHV-AA

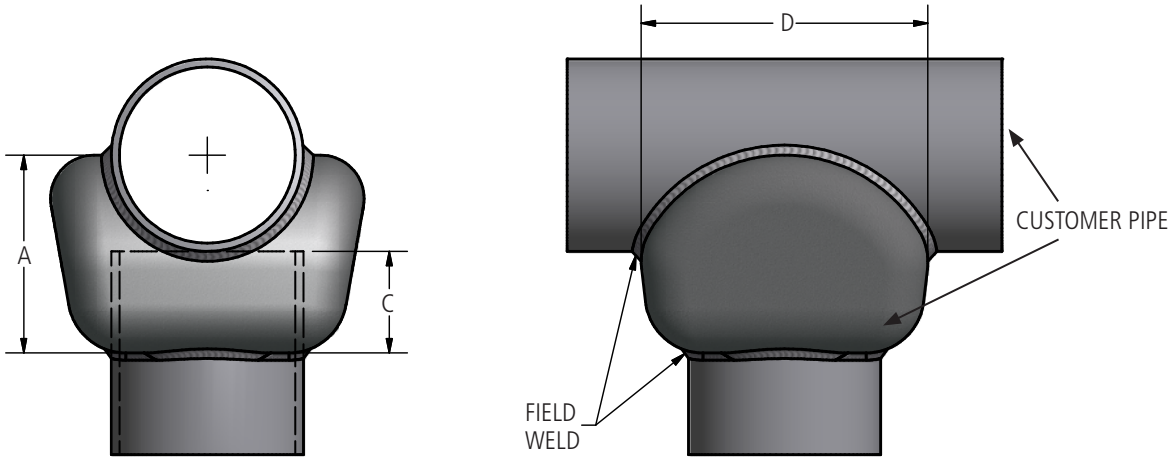
**Tee Connector**
**Recommended for Voltages up to 765 kV**



Welded tee connector is designed to be corona free for 765 kV service.

### Material

Aluminum Alloy




### Ordering Information

| CATALOG NUMBER | SPS | DIMENSIONS IN INCHES | | |
|---|---|---|---|---|
| | | A | C | D |
| WT600-600-EHV-AA | 6 | 6 13/16 | 3 1/2 | 9 7/8 |



© 2011, AFL, all rights reserved. PP-3-00552, Revision 1, 11.8.2022
Specifications are subject to change without notice.

# DOSSERT®

## TYPE WRP2CA-20-EHV-AA, WRP2CA-45-EHV-AA

### Recommended for Voltages up to 765 kV

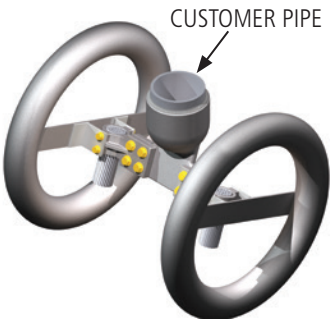
Tee connector is designed to be corona free for 765 kV service.

### Material

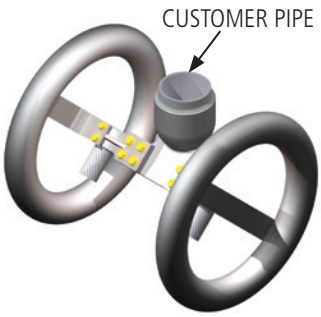
Aluminum Alloy

### Hardware

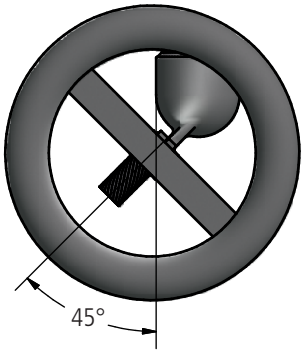
Yellow anodized aluminum bolts, nuts, washers, lockwashers.



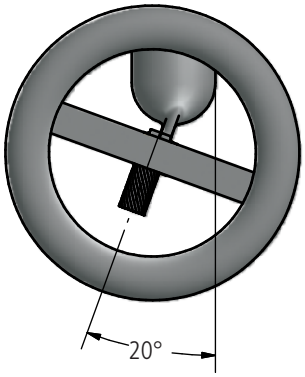

WRP2CA-20-EHV-AA



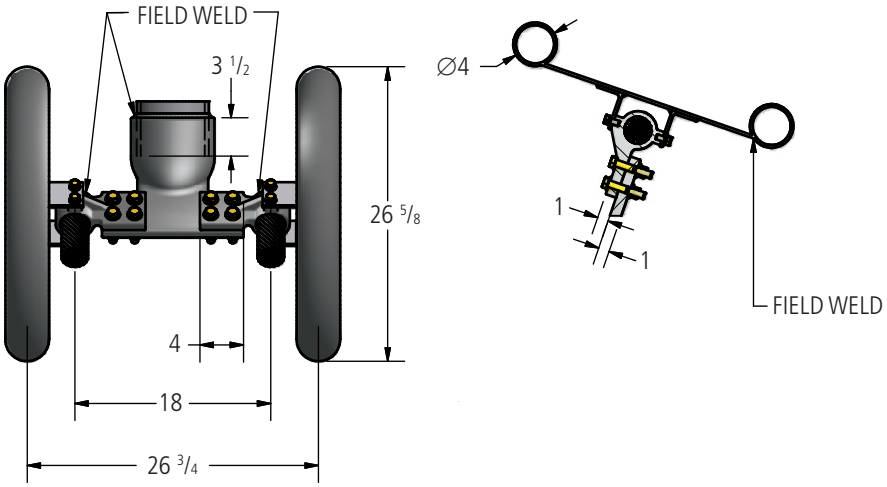

WRP2CA-45-EHV-AA




WRP2CA-45-EHV-AA




WRP2CA-20-EHV-AA




### Ordering Information

| CATALOG NUMBER | SPS | CONDUCTOR DIAMETER |
|---|---|---|
| WRP2CA-600-240R-18-45-EHV-AA | 6 | 2.4 |
| WRP2CA-600-240R-18-20-EHV-AA | 6 | |



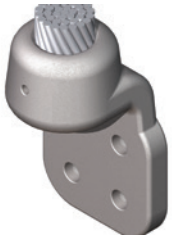
© 2011, AFL, all rights reserved. PP-3-00543, Revision 0, 3.14.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE WPC-4S4-AA-WH, WPCA-4S4-90-AA-WH

**Welded Terminal**
**Recommended for Voltages up to 765 kV**

Terminal pad is designed to be corona free for 765 kV operation.



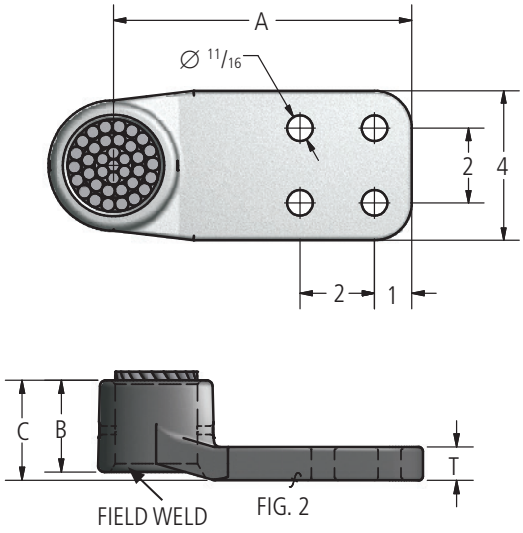
**WPC-4S4-AA-WH**



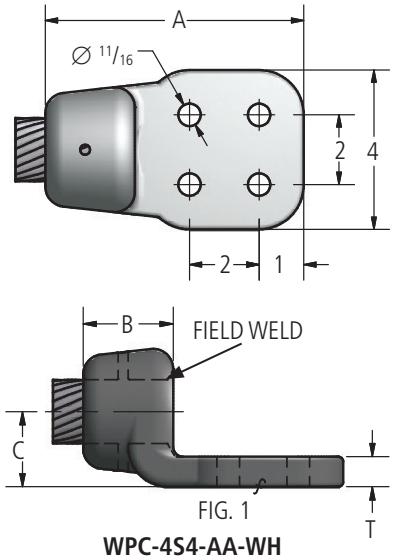
**WPCA-4S4-90-AA-WH**

### Material

Aluminum Alloy




**WPCA-4S4-90-AA-WH**




**WPC-4S4-AA-WH**

### Ordering Information

| CATALOG NUMBER | ACSR RANGE | FIGURE NUMBER | DIMENSIONS IN INCHES | | | |
|---|---|---|---|---|---|---|
| | | | A | B | C | T |
| WPC95A-4S4-AA-WH | 715.5(26/7) - 954(45/7) MCM | 1 | 6 1/4 | 1 3/4 | 1 1/2 | 1 |
| WPCA95A-4S4-90-AA-WH | 715.5(26/7) - 954(45/7) MCM | 2 | 6 | 1 3/4 | 2 | 5/8 |
| WPC135A-4S4-AA-WH | 1192.5(54/19) - 1351.5(45/7) MCM | 1 | 6 1/2 | 2 | 1 5/8 | 5/8 |
| WPCA135A-4S4-90-AA-WH | 1192.5(54/19) - 1351.5(45/7) MCM | 2 | 5 5/8 | 2 | 2 1/4 | 5/8 |
| WPC240R-4S4-AA-WH | 2515(76/19) MCM | 1 | 7 1/4 | 2 3/4 | 2 1/2 | 1 |
| WPCA240R-4S4-90-AA-WH | 2515(76/19) MCM | 2 | 8 | 2 3/4 | 3 | 1 |





© 2011, AFL, all rights reserved. PP-3-00530, Revision 0, 3.14.11
Specifications are subject to change without notice.

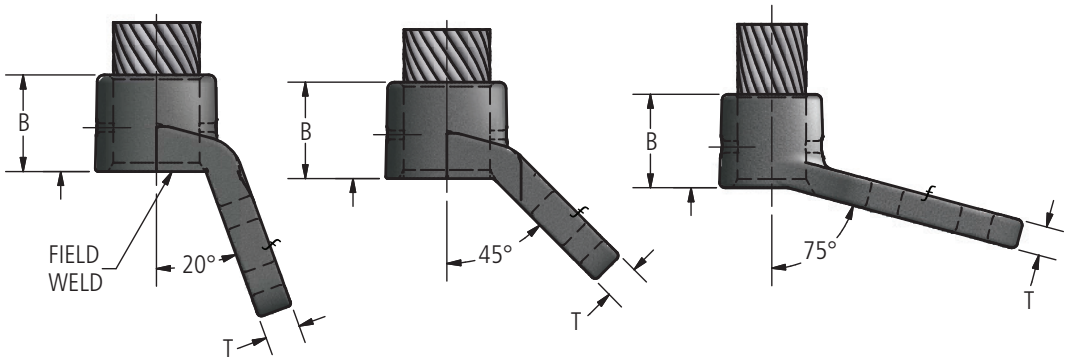
# DOSSERT®

## TYPE WPCA-20-AA-WH, WPCA-45-AA-WH, WPCA-75-AA-WH

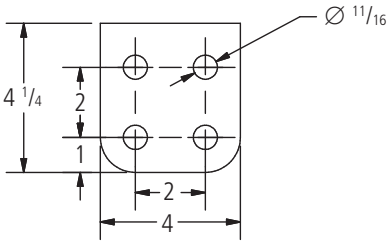
Terminal pad is designed to be corona free for 765 kV operation.

### Material

Aluminum Alloy




WPCA-20-AA-WH WPCA-45-AA-WH WPCA-75-AA-WH






WPCA-20-AA-WH



WPCA-45-AA-WH



WPCA-75-AA-WH

### Ordering Information

| CATALOG NUMBER | ACSR RANGE | DIMENSIONS IN INCHES | |
|---|---|---|---|
| | | B | T |
| WPCA95A-4S4-75-AA-WH | 715.5(26/7) - 954(45/7) MCM | 1 3/4 | 5/8 |
| WPCA135A-4S4-75-AA-WH | 1192.5(54/19) - 1351.5(45/7) MCM | 2 | 5/8 |
| WPCA240R-4S4-20-AA-WH | 2034(72/7) - 2312(76/19) MCM | 2 3/4 | 1 |
| WPCA240R-4S4-45-AA-WH | 2034(72/7) - 2312(76/19) MCM | 2 3/4 | 1 |





© 2011, AFL, all rights reserved. PP-3-00533, Revision 1, 12.16.13
Specifications are subject to change without notice.

# DOSSERT®

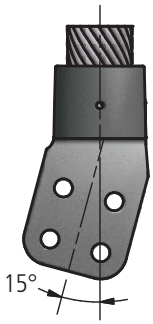
## TYPE WPCA-15L-AA-WH, WPCA-15R-AA-WH, WPCA-15L-20-AA-WH, WPCA-15R-20-AA-WH

### Welded Terminal

Angled welded terminal is designed for 2.4 diameter Aluminum conductor.

### Material

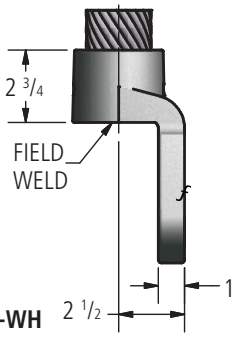
Aluminum Alloy




WPCA240-4S4-15L-AA-WH




WPCA240R-4S4-15R-AA-WH



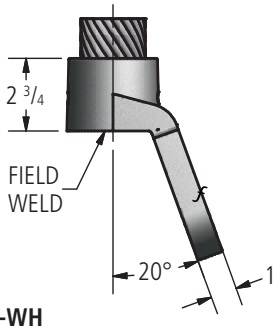


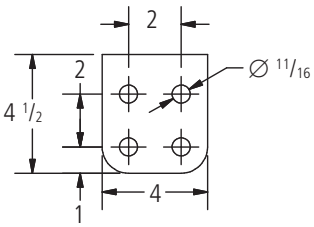


WPCA240-4S4-15L-AA-WH




WPCA240R-4S4-15R-AA-WH




PAD DIMENSIONS



WPCA-15L-AA-WH



WPCA-15R-AA-WH



WPCA-15L-20-AA-WH



WPCA-15R-20-AA-WH

### Ordering Information

| CATALOG NUMBER | REFERENCE DRAWINGS |
|---|---|
| WPCA-15L-AA-WH | D-4475 |
| WPCA-15R-AA-WH | D-4476 |
| WPCA-15L-S1-AA-WH | D-4491 |
| WPCA-15R-S1-AA-WH | D-4492 |



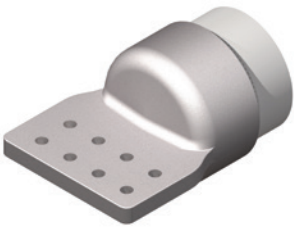


© 2011, AFL, all rights reserved. PP-3-00531, Revision 1, 12.16.13
Specifications are subject to change without notice.

# DOSSERT®

## TYPE B7094, B7567 Series

### End Terminal, Welded, NPS to Flat Pad
### Recommended for Voltages up to 765 kV



B7094-A

Terminal is designed to be corona free for 765 kV operation when bolted to B7001 terminal connectors. Assembly consists of terminal and aluminum terminal hardware.

### Material

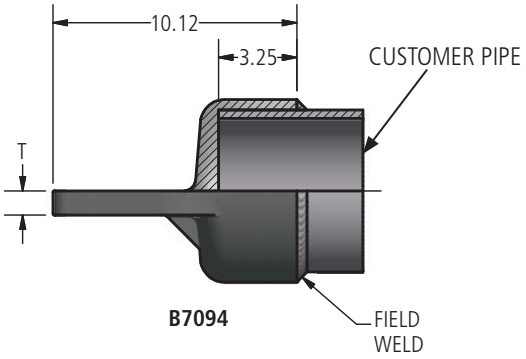
Aluminum Alloy

### Hardware

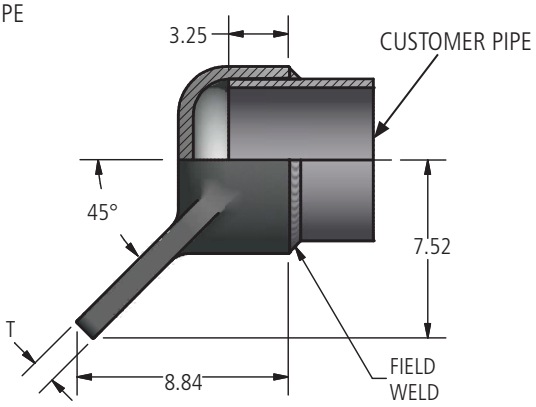
Yellow anodized aluminum bolts, nuts, washers, lockwashers.



B7567-A




B7094




B7567

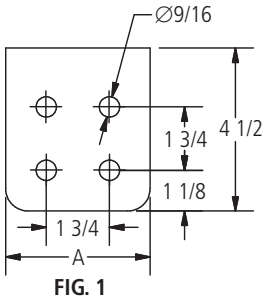



FIG. 1

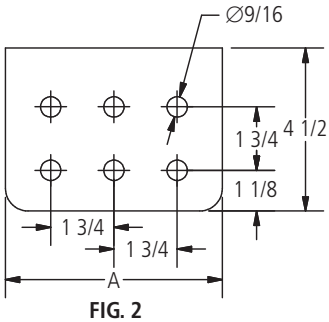



FIG. 2

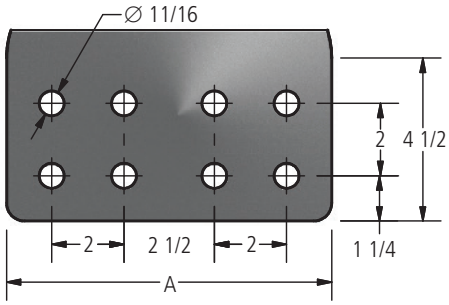



FIG. 3

### Ordering Information

| CATALOG NUMBER | FIG. NO. | SPS / EHPS | DIMENSIONS IN INCHES | |
|---|---|---|---|---|
| | | | A | T |
| B7094-A | 3 | 6 | 9 | 1 |
| B7094-B | 3 | 6 | 9 | 1 1/4 |
| B7094-C | 2 | 6 | 5 | 1 |
| B7094-D | 1 | 6 | 4 | 1 |
| B7094-E | 2 | 6 | 6 | 1 1/4 |
| B7567-A | 3 | 6 | 9 | 1 |





© 2011, AFL, all rights reserved. PP-3-00217, Revision 1, 12.16.13
Specifications are subject to change without notice.

# DOSSERT®

## TYPE B7001 Series



### Recommended for Voltages up to 765 kV

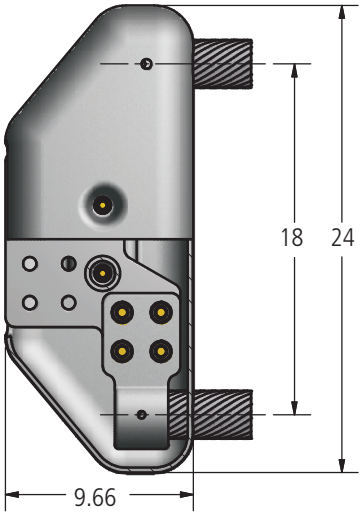
Terminal connector is designed to be corona free for 765 kV operation when bolted to equipment terminal. Assembly consists of connector, two terminals, corona shield and hardware.

### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, washers, lockwashers.



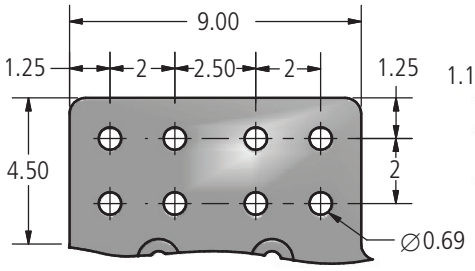




FIG. 1

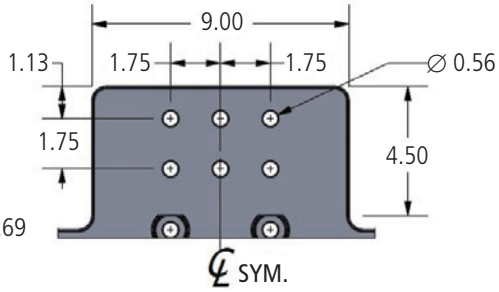
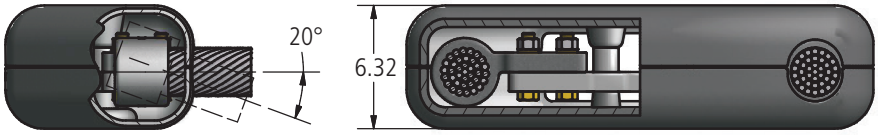



FIG. 2




### Ordering Information

| CATALOG NUMBER | CONDUCTOR SIZE<br>STRAIN BUS DIAMETER IN INCHES | TERMINAL ANGLE | NOMINAL WEIGHT LBS | FIG. NO. |
|---|---|---|---|---|
| B7001-A | 2.4 | STR. | 28.0 | 1 |
| B7001-B | 2.4 | 20° | 28.0 | 1 |
| B7001-6N4-A | 2.4 | STR. | 28.0 | 2 |





© 2011, AFL, all rights reserved. PP-3-00228, Revision 2, 9.25.18
Specifications are subject to change without notice.

# DOSSERT®

## TYPE WP2CA-45-EHV-AA Series



### Corona Free Terminal Connector
### Recommended for Voltages up to 765 kV

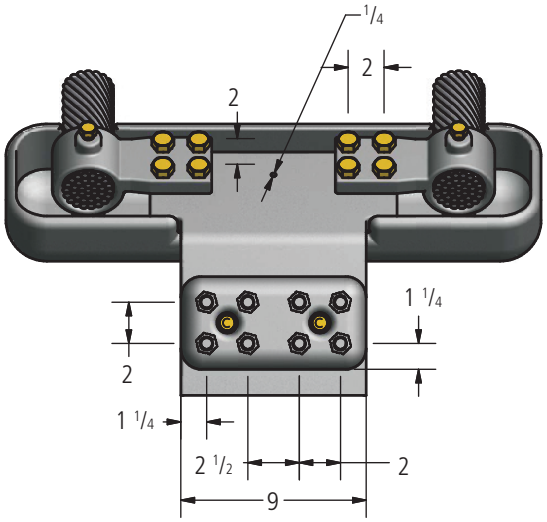
Terminal connector is designed to be corona free for 765 kV operation when bolted to equipment terminal. Assembly consists of connector, two terminals, corona shield and hardware.

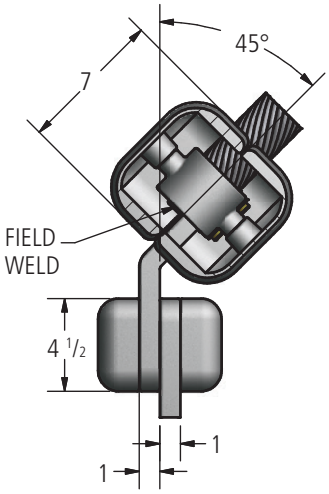
### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, washers, lockwashers.




### Ordering Information

| CATALOG NUMBER | CABLE SIZE |
|---|---|
| WP2CA240R-9-41/2-15-45-EHV-AA | 2.40 DIA |

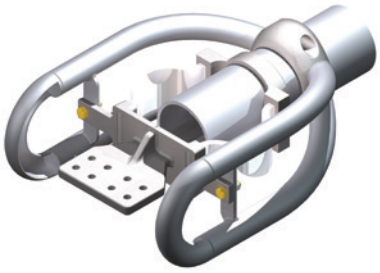




© 2011, AFL, all rights reserved. PP-3-00527, Revision 0, 3.15.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE B7583-A Series



### Welded Expansion Terminal
### Recommended for Voltages up to 765 kV

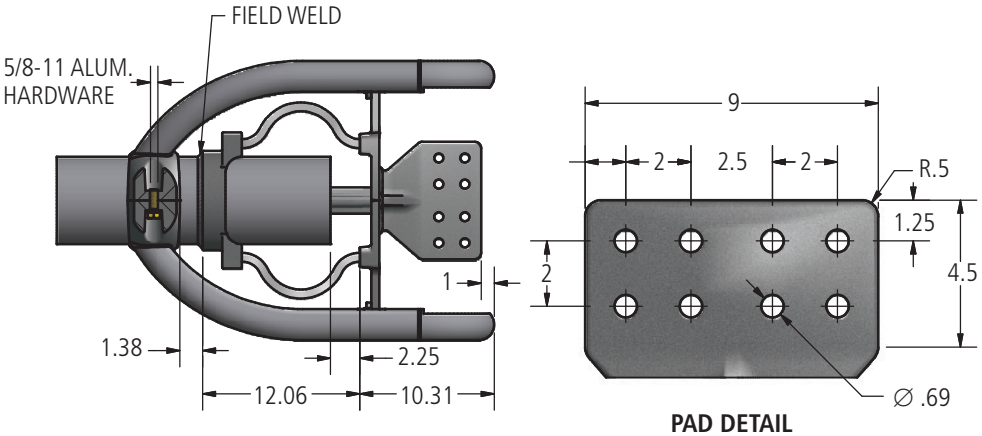
Expansion terminal is designed to be corona free for 765 kV operation. Expansion terminal is designed for a maximum bus run of 100 feet (30.5m) operationg between a minimum temperature of -20°F (-28°C) and a maximum temperature of 200°F (93.3°C). Assembly consists of expansion terminal, corona rings and hardware. Stainless steel chatter springs are supplied with corona ring assembly.

### Material

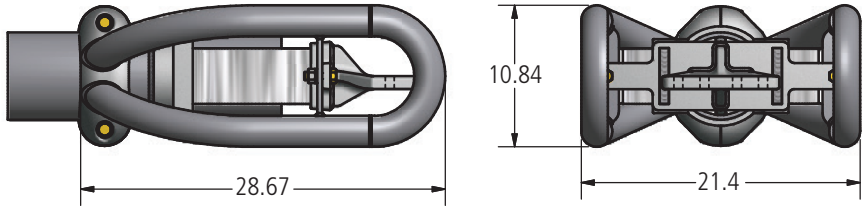
Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, washers, lockwashers.




PAD DETAIL




### Ordering Information

| CATALOG NUMBER | CONDUCTOR SIZE<br>STRAIN BUS DIAMETER IN INCHES | NOMINAL WEIGHT LBS |
|---|---|---|
| B7583-A | 6" | 49.0 |





© 2011, AFL, all rights reserved. PP-3-00233, Revision 0, 3.15.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE B7878-A Series



### Terminal Connector - Three Bundle
### Recommended for Voltages up to 765 kV

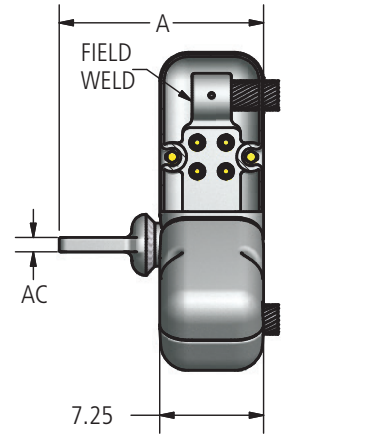
Terminal connector is designed to be corona free for 765 kV operation when bolted to equipment terminal. Assembly consists of connector, three terminals, corona shield and hardware.

### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, washers, lockwashers.



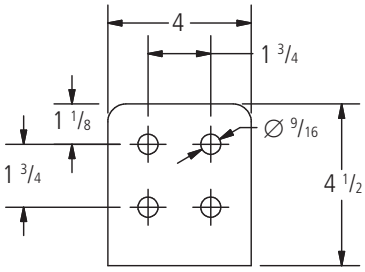
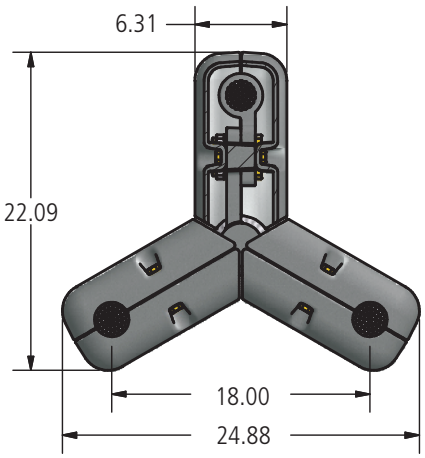




FIG. 1



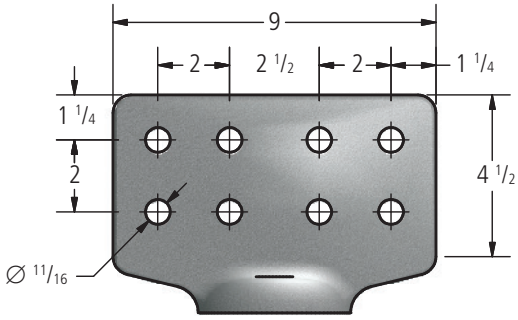




FIG. 2

### Ordering Information

| CATALOG NUMBER | FIGURE NO. | CONDUCTOR SIZE | DIMENSIONS IN INCHES | | NOMINAL WEIGHT LBS |
|---|---|---|---|---|---|
| | | STRAIN BUS DIAMETER IN INCHES | A | AC | |
| B7878-A | 2 | 1.981 - 2.042 | 14.19 | 1.00 | 51.9 |
| B7878-B | 1 | 1.981 - 2.042 | 14.19 | 1.00 | 49.6 |





© 2011, AFL, all rights reserved. PP-3-00236, Revision 0, 3.15.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE 34640-EHV Series

### Ground Stud, Welded

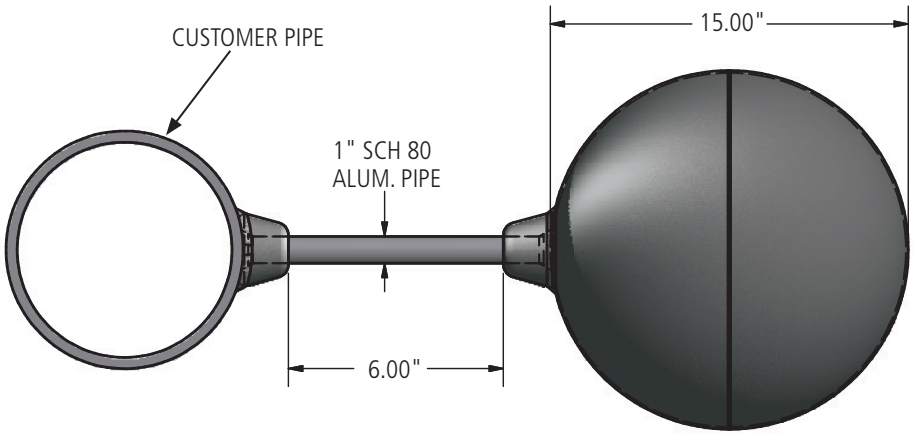
Ground stud is designed to be corona free for 765 kV operation.



34640-EHV

### Material

Aluminum Alloy




### Ordering Information

| CATALOG NUMBER | CONDUCTOR SIZE TUBULAR SIZE SPS & EHPS | NOMINAL WEIGHT LBS |
|---|---|---|
| 34640EHV | 4" to 6" | 16.0 |





© 2011, AFL, all rights reserved. PP-3-00184, Revision 0, 3.15.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE C6999-A, B7073 Series

### Spacer Clamps

### Recommended for Voltages up to 765 kV

Two- and four-conductor spacers are designed to be corona free for 765 KV operation. Spacers are not recommended for use on transmission lines.



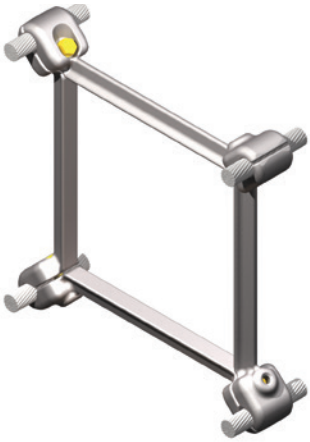
C6999-A

### Material

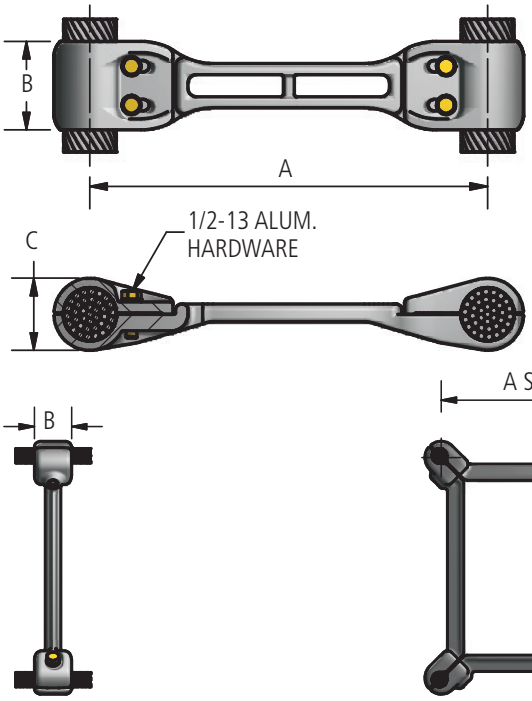
Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, washers, lockwashers.



B7073




### Ordering Information

| CATALOG NUMBER | STRAIN BUS | DIMENSIONS IN INCHES | | | NOMINAL WEIGHT LBS |
|---|---|---|---|---|---|
| | | A | B | C | |
| C6999-A | 2.4 | 18.00 | 4.00 | 3.25 | 6.4 |
| C6999-B | 2.311 | 17.72 | 4.00 | 3.25 | 6.4 |

| CATALOG NUMBER | CONDUCTOR SIZE | | | DIMENSIONS IN INCHES | | NOMINAL WEIGHT LBS |
|---|---|---|---|---|---|---|
| | KCMIL | STRAND | | A | B | |
| | | AL. | ST. | | | |
| B7073-A | 954.0 | 45 | 7 | 18.00 | 1.165 | 13.2 |
| B7073-B | 1351.5 | 45 | 7 | 18.00 | 1.385 | 12.4 |
| B7073-C | 795 MCM | 36 | 6 | 18.00 | 1.026 | 13.2 |
| B7073-D | 556.5 MCM | 26 | 7 | 18.00 | 0.927 | 13.6 |
| B7073-E | 1300 MCM | 45 | 7 | 17.72 | 1.312 | 12.8 |
| B7073-F | 795 MCM | 30 | 19 | 18.00 | 1.140 | 12.8 |
| B7073-G | 1431 MCM | 45 | 7 | 10.00 | 1.379 | 9.6 |
| B7073-H | 1450 MCM | 45 | 7 | 18.00 | 1.526 | 9.4 |





© 2011, AFL, all rights reserved. Revision 0, 3.15.11
Specifications are subject to change without notice.

# DOSSERT®

## TYPE 1705, B7384 Series

### Internal and External Bus Damper for Tubular Bus
### Recommended for Voltages up to 765 kV

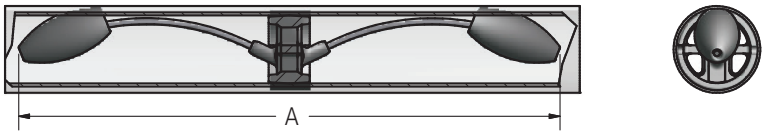
Internal bus damper is designed to be corona free for 765 kV operation. Damper is designed to be installed inside bus to be corona free and to present a "clean" appearance to the substation.



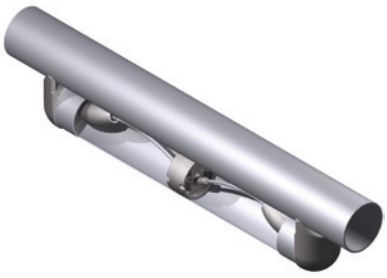
1705

### Material

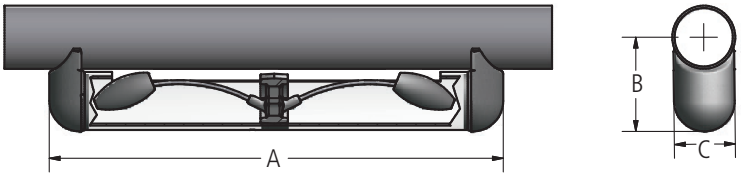
Aluminum Alloy and Galvanized Steel Damper Weights




1705-XXX



B7384-A







B7384

### Ordering Information

| INTERNAL DAMPER | | | | |
|---|---|---|---|---|
| CATALOG NUMBER | CONDUCTOR SIZE TUBULAR BUS SPS & EHPS | DIMENSIONS IN INCHES | NOMINAL WEIGHT LBS | |
| | | A | ALUM | TOTAL |
| 1705-504 | 5 SPS | 36.88 | 2.7 | 13.3 |
| 1705-576 | 6 EHPS | 35.25 | 3.3 | 14.0 |
| 1705-607 | 6 SPS | 35.25 | 4.0 | 14.7 |
| 1705-700 | 8" O.D. ( 1/2" Wall ) | 36.88 | 3.2 | 13.8 |
| 1705-725 | 8" O.D. ( 3/8" Wall) | 36.88 | 3.2 | 13.8 |
| 1705-762 | 8 EHPS | 36.88 | 3.3 | 13.9 |
| 1705-798 | 8 SPS | 36.88 | 3.4 | 14.0 |

| EXTERNAL DAMPER | | | | | | |
|---|---|---|---|---|---|---|
| CATALOG NUMBER | CONDUCTOR SIZE TUBULAR BUS SPS & EHPS | DIMENSIONS IN INCHES | | | NOMINAL WEIGHT LBS | |
| | | A | B | C | ALUM | TOTAL |
| B7384-A | 5" | 40.00 | 8.50 | 5.56 | 23.9 | 34.5 |
| B7384-B | 6" | 40.00 | 10.12 | 6.62 | 28.9 | 39.5 |
| B7384-C | 8" | 40.00 | 12.19 | 8.00 | 37.4 | 37.4 |





© 2011, AFL, all rights reserved. PP-3-00160, Revision 0, 3.15.11
Specifications are subject to change without notice.

# 765 kV
# Stud Connector

## DOSSERT®

## TYPE B7004-A Series



### Stud Connector, Straight, Stud to Two Conductor Bundle
### Recommended for Voltages up to 765 kV

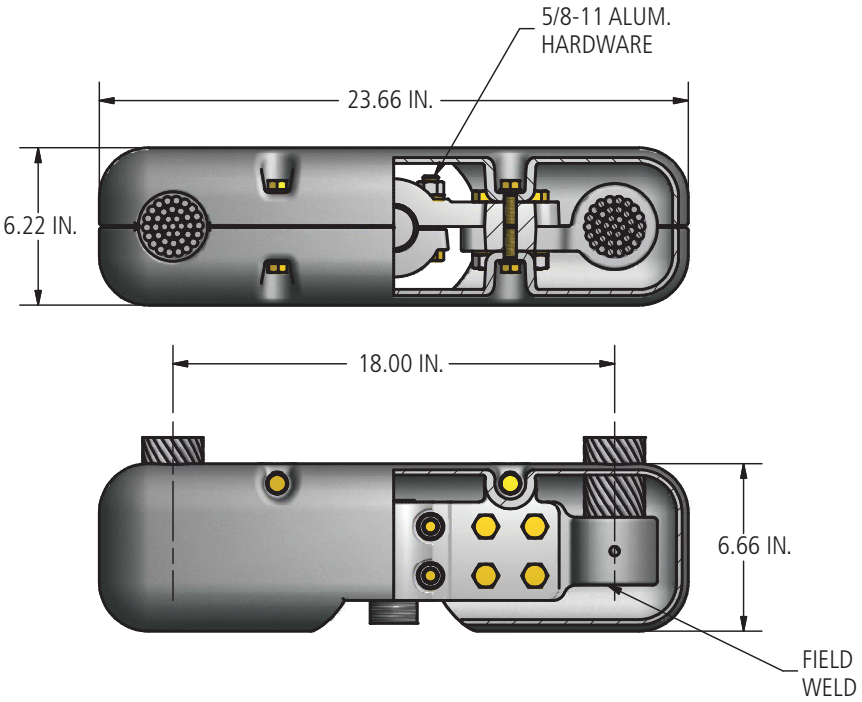
Stud connectors are designed to be corona free for 765 kV operation. Assembly consists of stud connector, two terminals, corona shields and hardware. Stud sizes other than those shown can be supplied if required.

### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, washers, lockwashers.




### Ordering Information

| CATALOG NUMBER | STUD SIZE | | CONDUCTOR SIZE | NOMINAL WEIGHT LBS |
|---|---|---|---|---|
| | DIAMETER | THREADS PER INCH | STRAIN BUS DIAMETER | |
| B7004-A | 2 | 12 | 2.4 | 28.4 |
| B7004-B | 3 | 12 | 1.423 | 28.4 |
| B7004-C | 3 | 12 | 2.4 | 27.9 |
| B7004-D | 3.15 | 0 | 1.855 | 27.6 |



© 2011, AFL, all rights reserved. PP-3-00220, Revision 0, 3.15.11
Specifications are subject to change without notice.

765 kV
Stud Connector

# DOSSERT®

## TYPE B7074-A Series

### Stud Connector – 45°, 90°, Stud to Two Conductors
### Recommended for Voltages up to 765 kV



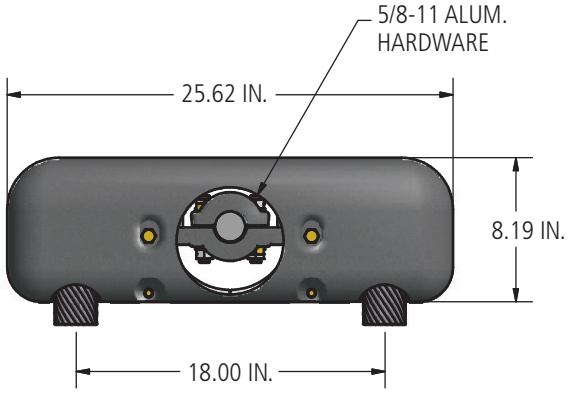
Angle stud connectors are designed to be corona free for 765 kV operation. Assembly consists of stud connector, two terminals, corona shields and hardware. Stud sizes other than those shown can be supplied if required.

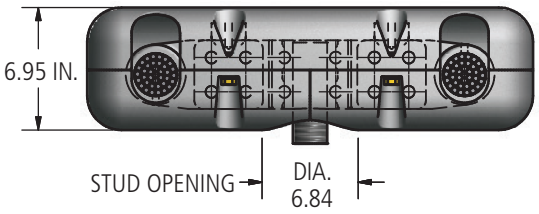
**Material**

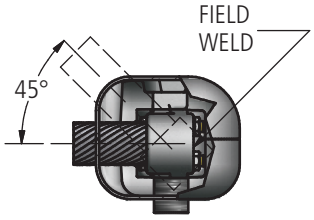
Aluminum Alloy

**Hardware**

Yellow anodized aluminum bolts, nuts, washers, lockwashers.




### Ordering Information

| CATALOG NUMBER | STUD SIZE | | CONDUCTOR SIZE | | TERMINAL ANGLE | NOMINAL WEIGHT LBS |
|---|---|---|---|---|---|---|
| | DIAMETER | THREADS PER INCH | STRAIN BUS DIAMETER IN INCHES | | | |
| | | | MIN | MAX | | |
| B7074-A | 2 | 12 | 2.4 | | 90° | 33.0 |
| B7074-B | 2 | 12 | 2.4 | | 45° | 33.0 |
| B7074-C | 3 | 12 | 1.361 | 1.423 | 90° | 33.4 |



© 2011, AFL, all rights reserved. PP-3-00225, Revision 0, 3.15.11
Specifications are subject to change without notice.

# 765 kV
# Stud Connector

## DOSSERT®
## TYPE B7108 Series



**Stud Connector – 90°, Stud to Two Conductors**
**Recommended for Voltages up to 765 kV**

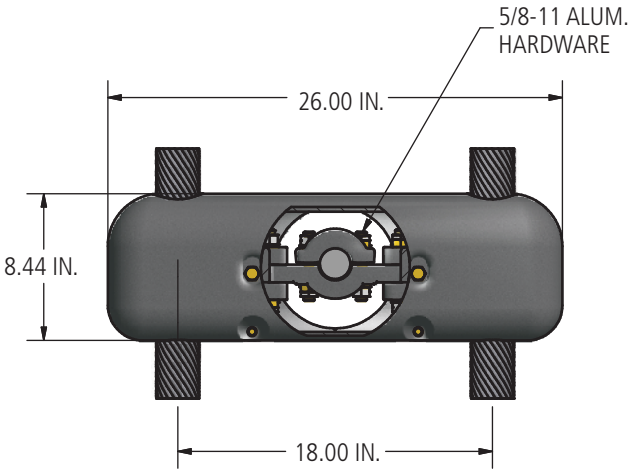
Thru stud connectors are designed to be corona free for 765 kV operation. Assembly consists of a stud connector, four terminals, corona shields and hardware. Stud sizes other than those shown can be supplied if required.

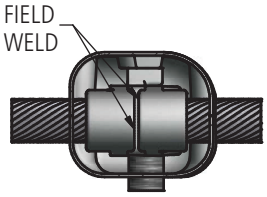
### Material

Aluminum Alloy

### Hardware

Yellow anodized aluminum bolts, nuts, washers, lockwashers.




### Ordering Information

| CATALOG NUMBER | STUD SIZE | | CONDUCTOR SIZE STRAIN BUS DIAMETER IN INCHES | NOMINAL WEIGHT LBS |
|---|---|---|---|---|
| | DIAMETER | THREADS PER INCH | | |
| B7108-A | 2 | 12 | 2.4 | 40.2 |
| B7108-C | 2 | 12 | 2.344 | 37.28 |



© 2011, AFL, all rights reserved. PP-3-00229, Revision 1, 9.4.18
Specifications are subject to change without notice.

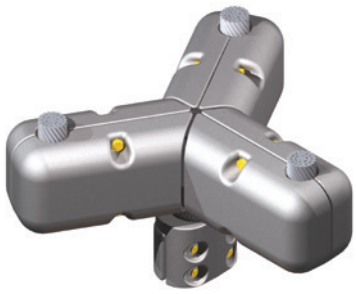
# 765 kV Stud Connector

## DOSSERT®

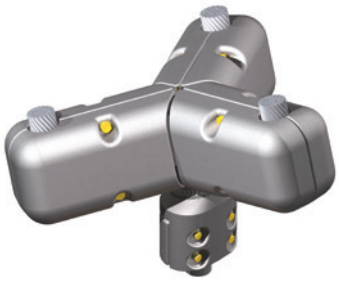
## TYPE B7879-A, B7880 Series

### Stud Connector, Straight, Stud to Three Conductor Bundle
### Recommended for Voltages up to 765 kV

Stud connectors are designed to be corona free for 765 kV operation. Assembly consists of stud connector, three terminals, corona shields and hardware. Stud sizes other than those shown can be supplied if required.



B7879-A



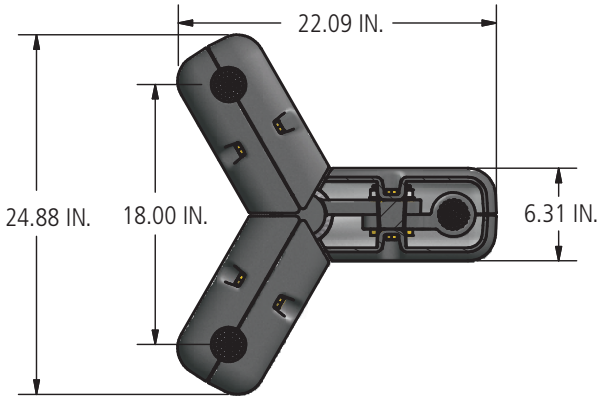
B7880-A

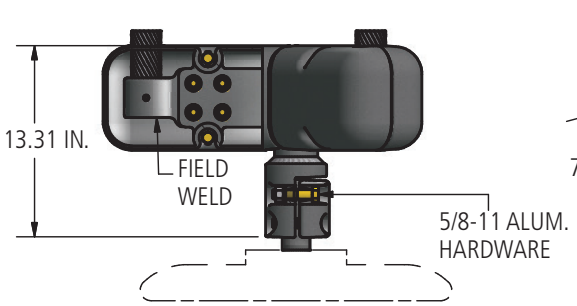
### Material

Aluminum Alloy

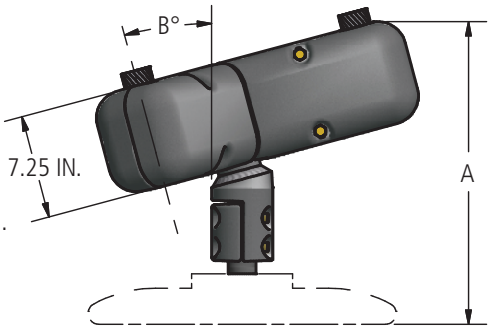
### Hardware

Yellow anodized aluminum bolts, nuts, washers, lockwashers.




STRAIGHT CONNECTOR
B7879




ANGLED CONNECTOR
B7880

### Ordering Information

| CATALOG NUMBER | STUD SIZE | | CONDUCTOR SIZE | DIMENSIONS IN INCHES (FOR ANGLED STUD CONNECTOR ONLY) | | NOMINAL WEIGHT LBS |
|---|---|---|---|---|---|---|
| | DIAMETER | THREADS PER INCH | STRAIN BUS DIAMETER IN INCHES | A | B | |
| B7879-A | 2 | 12 | 1.981 - 2.042 | - | - | 55.4 |
| B7880-A | 2 | 12 | 1.981 - 2.042 | 15.43 | 15° | 56.2 |
| B7880-B | 2 | 12 | 1.981 - 2.042 | 17.8 | 45° | 57.7 |



© 2011, AFL, all rights reserved. PP-3-00237, Revision 0, 3.15.11
Specifications are subject to change without notice.

# 765 kV
# Stud Connector



© 2011, AFL, all rights reserved. PP-3-00237, Revision 0, 3.15.11
Specifications are subject to change without notice.

# Table of Contents

## Bus Conductors

Bus Conductors Table of Contents . . . . . 655
Benefits of Aluminum Bus Conductors . . . . . 657
Alloys and Tempers . . . . . 657
Special Finishes and Packaging . . . . . 657
Factors to Consider When Selecting a Bus Conductor . . . . . 657
Conductivity . . . . . 657
Ampacity. . . . . 657
Lengths. . . . . 657
Frequently Asked Questions . . . . . 658
Bus Packaging Options . . . . . 659
Seamless Bus Pipe. . . . . 660
Seamless Bus Tube . . . . . 662
Rectangular Bar—Sharp Corners. . . . . 664
Rectangular Bar—Rounded Corners . . . . . 665
Integral Web Bus Conductor (IWBC) . . . . . 668
Universal Angle Bus Conductor (UABC) . . . . . 670
Mechanical Properties of Aluminum Bus Conductors . . . . . 672
Bending and Forming . . . . . 673
Deflection Values – Schedule 40 Aluminum Pipe . . . . . 674
Deflection Values – Schedule 80 Aluminum Pipe . . . . . 675
Welding Aluminum Bus to Aluminum Connectors. . . . . 676
General Welding Specifications—Tubular Aluminum Bus Conductor . . . 677

© 2011, AFL, all rights reserved. PP-3-00213, Revision 6, 5.14.2026
Specifications are subject to change without notice.

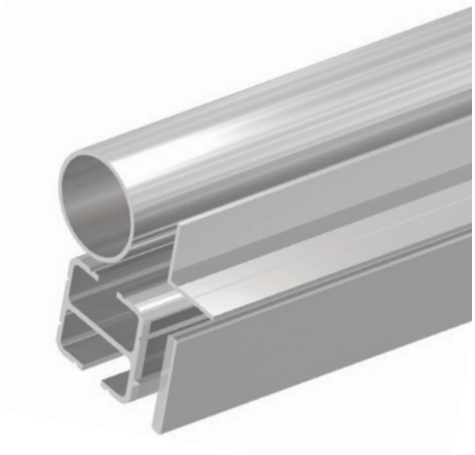


AFL
AFLglobal.com
1 (800) 890-8878

© 2011, AFL, all rights reserved. PP-3-00213, Revision 6, 5.14.2026
Specifications are subject to change without notice.

# Benefits of Aluminum Bus Conductor

- Only 1/3 the weight of copper
- Highly corrosion resistant
- Dissipates heat rapidly and evenly
- Very strong yet lightweight
- Easy to fabricate
- Conducts equivalent loads of electric power with one-half as much material weight as copper



Today, aluminum is one of the most widely specified conductive materials used in the manufacture and construction of electrical power distribution components and equipment.

Typical applications presently using aluminum conductors include bus duct, bus bar, panel boards, switchgear, isolated phase bus and a host of other similarly purposed products installed virtually everywhere – from electric utility switchyards to substations construction all over the world.

**Alloys and Tempers**
The most commonly used alloys are 6063, 6061, and 6101. Alloy 6063 has been widely used for outdoor high voltage substation bus because of its excellent mechanical and electrical properties. Where high strength and lower conductivity is called for, alloy 6061 bus is used. Where high conductivity is required, with a minimum sacrifice in mechanical properties, alloy 6101 is used. AFL aluminum bus conductors are manufactured to meet appropriate ASTM specifications. These include B-241-00 - Aluminum Alloy Seamless Pipe and Tube for Alloys 6063 and 6061; and B-317-00 - Aluminum Alloy Extruded Bar, Rod, Pipe and Structural Shapes for Electrical Purposes for Alloy 6101.

The tempering process is an application that hardens or strengthens the metal by applying heat and/or cooling the metal. The basic temper consists of a letter followed by one or more numbers. The most common tempers are T6, T61, and T63. T6 is solution heat treated, and artifically aged to maximum mechanical property levels. T61 is an overaged temper with higher conductivity, but lower mechanical properties than T6. T63 is an "in-between" temper with higher conductivity than T6, but less than T61.

The most common alloy and temper combinations are 6063-T6, 6061-T6, 6101-T6, 6101-T61, and 6101-T63. For other alloys or tempers, please contact your AFL Sales Representative.

**Special Finishes and Packaging**
AFL aluminum bus conductor is manufactured with an EHV (Extra-High Voltage) finish and EHV packaged. EHV packaging consists of inter-leafed paper and cardboard boxed.

**Factors to Consider When Selecting a Bus Conductor**
A variety of factors must be considered in bus design. In all applications, considerations include DC or AC current, ampacity required, frequency, operating voltage, allowable voltage drop, maximum possible short circuit currents, available space, and the taps and connections required. If large currents are involved, factors affecting the economic current density must also be tabulated. And for outdoor substations, weather conditions such as possible maximum icing conditions, wind speeds and similar situations are important. Factors that may affect the design of industrial bus include ampacity for allowable temperature rise, voltage drop and power loss economics.

**Conductivity**
Pure aluminum has an electrical conductivity of 65 percent of the International Annealed Copper Standard. This is decreased a certain amount for any aluminum alloy, depending on the alloy's composition and temper. Internal heating of the conductor causes a loss of physical strength, which limits the conductor's current carrying capacity. Therefore, not only the temperature at which the alloy begins to anneal, but the time it takes to reach that temperature, must be taken into consideration.

**Ampacity**
For a given value of continuously flowing current, the temperature of a bus rises until the heat coming from the electrical losses in the bus is equal to the heat given off by radiation and convection.

Bus conductor ampacities are usually based on a continuous operating temperature of 30°C above an ambient temperature of 40°C.

**Lengths**
Bus Conductor is sold in various lengths ranging from 10 feet to 40 feet. Longer lengths are available in various sizes. Contact your AFL Sales Representative for more information.

© 2011, AFL, all rights reserved. PP-3-00213, Revision 6, 5.14.2026
Specifications are subject to change without notice.

# Frequently Asked Questions

**Do I use seamless pipe or structural pipe for substation construction?**
For substation construction, seamless pipe should be used. Extruded structural pipe is produced with a bridge-type die. In the bridge die method of extrusion, the solid ingot is broken up and then rejoined in the weld chamber of the die. Thus, the pipe contains two or more "die welds" along its length. This pipe is intended for use in structural applications such as highway and bridge rails, chain link fence posts, sign structures, lighting brackets, etc. Structural pipe is not intended for applications involving fluid pressure or repeated flexure as there is a possibility of splitting along the die welds. Tubular bus in substations is frequently subjected to aeolian vibration which produces repeated flexure. Seamless pipe is extruded from hollow extrusion ingot by the die and mandrel method. The cross section is continuous; there are no die welds to separate under repeated flexure. For more information about structural pipe look at ASTM standard B-249-00 and for seamless pipe look at ASTM standard B-241-00.

**What is the difference between bus pipe and bus tube?**
Bus Pipe is manufactured to a "nominal" (not actual) diameter. The wall thickness is described by a "schedule." i.e. 4" Sch40. Bus Tube is a round hollow material manufactured to a specific outside diameter (O.D.) and wall thickness. It is produced to meet the end users requirements.

**Does alloy and temper matter?**
Yes, the alloy and temper specify the conductivity and mechanical properties.

**What is the maximum length of bus conductor I can buy?**
Most bus conductor is sold in lengths of 10 to 40 feet. Longer lengths are available in various sizes. Contact the AFL Commercial Team for any lengths over 40 feet.

**Can I order custom sizes or custom extrusions?**
Yes, contact the AFL Commercial Team for custom sizes of bus conductor and custom extrusions.

© 2011, AFL, all rights reserved. PP-3-00213, Revision 6, 5.14.2026
Specifications are subject to change without notice.

# Bus Packaging Options

### Bare – Batten – Bundled (BBB)





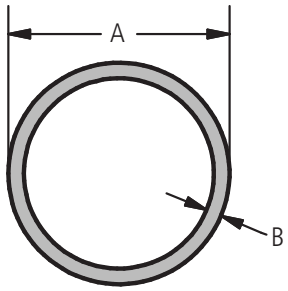
### EHV Pack – Note interweave paper to protect





© 2011, AFL, all rights reserved. PP-3-00213, Revision 6, 5.14.2026
Specifications are subject to change without notice.

# Seamless Bus Pipe




Seamless bus pipe is an extruded tubular product used to convey electricity. It is manufactured to a "nominal," not actual, inside diameter. The wall thickness is described by a "schedule." The schedules are determined by the American Standards Association.

Seamless bus pipe is generally made of 6063-T6 alloy in ANSI Schedule 40 pipe because of its excellent mechanical and electrical properties. 6061-T6 alloy tubular bus is used where high strength and lower conductivity are required.

**Specification:** B-241 (Seamless Pipe)

**Note:** For seamless bus tubing over 6 inches, see page 618.

## Schedule 40

| Nominal Size | Outside Diameter of Tube | Wall Thickness | Area | Weight |
|---|---|---|---|---|
| in. | in. | in. | sq. in. | lb/ft |
| SCH 40 | A | B | | |
| 1 | 1.315 | 0.133 | 0.4939 | 0.581 |
| 1 1/4 | 1.660 | 0.140 | 0.6685 | 0.786 |
| 1 1/2 | 1.900 | 0.145 | 0.7995 | 0.940 |
| 2 | 2.375 | 0.154 | 1.0750 | 1.264 |
| 2 1/2 | 2.875 | 0.203 | 1.7040 | 2.004 |
| 3 | 3.500 | 0.216 | 2.2280 | 2.621 |
| 3 1/2 | 4.000 | 0.226 | 2.6800 | 3.151 |
| 4 | 4.500 | 0.237 | 3.1740 | 3.733 |
| 5 | 5.563 | 0.258 | 4.3000 | 5.057 |
| 6 | 6.625 | 0.280 | 5.5810 | 6.564 |
| 8 | 8.625 | 0.322 | 8.3990 | 9.879 |

## Schedule 80

| Nominal Size | Outside Diameter of Tube | Wall Thickness | Area | Weight |
|---|---|---|---|---|
| in. | in. | in. | sq. in. | lb/ft |
| SCH 80 | A | B | | |
| 1 | 1.315 | 0.179 | 0.6388 | 0.751 |
| 1 1/4 | 1.660 | 0.191 | 0.8815 | 1.037 |
| 1 1/2 | 1.900 | 0.200 | 1.0680 | 1.256 |
| 2 | 2.375 | 0.218 | 1.4770 | 1.737 |
| 2 1/2 | 2.875 | 0.276 | 2.2540 | 2.650 |
| 3 | 3.500 | 0.300 | 3.0160 | 3.547 |
| 3 1/2 | 4.000 | 0.318 | 3.6780 | 4.326 |
| 4 | 4.500 | 0.337 | 4.4070 | 5.183 |
| 5 | 5.563 | 0.375 | 6.1120 | 7.188 |
| 6 | 6.625 | 0.432 | 8.4050 | 9.884 |
| 8 | 8.625 | 0.500 | 12.763 | 15.009 |

## Ordering Instructions:

### Step 1: Choose Nominal Size

| Nominal Size | Size Code |
|---|---|
| 1 | 100 |
| 1 1/4 | 125 |
| 1 1/2 | 150 |
| 2 | 200 |
| 2 1/2 | 250 |
| 3 | 300 |
| 3 1/2 | 350 |
| 4 | 400 |
| 5 | 500 |
| 6 | 600 |
| 8 | 800 |

### Step 2: Choose Schedule

| Schedule Number | Schedule Code |
|---|---|
| SCH 40 | S40 |
| SCH 80 | S80 |

### Step 3: Choose Alloy

| Alloy Number | Alloy Code |
|---|---|
| 6061 | X |
| 6063 | Y |
| 6101 | Z |

### Step 4: Choose Temper

| Temper | Temper Code |
|---|---|
| T6 | T6 |
| T61 | T61 |
| T63 | T63 |

### Step 5: Choose Packaging

| Package Type | Package Code |
|---|---|
| Bare - Bat - Bundle (BBB) | B |
| EHV | E |

See pictures on page 651

### Step 6: Build Catalog Number

| Size Code | + | Schedule Code | + | Alloy Code | + | Temper | + | Package Code |
|---|---|---|---|---|---|---|---|---|

**Example:** To order 2 1/2 inch Schedule 40 6101 T-61 Alloy Bus Pipe with BBB packaging

| 250 | + | S40 | + | Z | + | T61 | + | B |
|---|---|---|---|---|---|---|---|---|

Completed Catalog Number is 250S40ZT61B.

© 2011, AFL, all rights reserved. PP-3-00213, Revision 6, 5.14.2026
Specifications are subject to change without notice.

# Physical & Electrical Properties of Aluminum

## Standard Pipe-Size Conductors at Typical Conductivities

| Nom. Size inches | A | B | Area sq. in. | Weight lbs/ft | Inductive reactance 1 ft spacing 60 Hz µohm/ft | 6063-T6 | | | | 6061-T6 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Outside Dia. of Tube inches | Wall Thickness inches | | | | DC Resistance at 20°C µohms/ft | 60 Hz Rac/RDC at 70°C | AC Resistance at 70°C 60 Hz µohms/ft | Current Ratings Amp at 60 Hz Outdoor (1,2,3,4) | DC Resistance at 20°C µohms/ft | 60 Hz Rac/RDC at 70°C | AC Resistance at 70°C 60 Hz µohms/ft | Current Ratings Amp at 60 Hz Outdoor (1,2,3,4) |
| **Schedule 40 Pipe** | | | | | | | | | | | | | |
| 1 | 1.315 | 0.133 | 0.494 | 0.581 | 68.24 | 31.120 | 1.00039 | 36.580 | 681 | 38.360 | 1.00032 | 43.820 | 622 |
| 1 1/4 | 1.660 | 0.140 | 0.669 | 0.786 | 62.68 | 22.990 | 1.00050 | 27.030 | 859 | 28.340 | 1.00039 | 32.370 | 705 |
| 1 1/2 | 1.900 | 0.145 | 0.800 | 0.940 | 59.45 | 19.220 | 1.00064 | 22.600 | 984 | 23.690 | 1.00046 | 27.070 | 900 |
| 2 | 2.375 | 0.154 | 1.075 | 1.264 | 54.15 | 14.300 | 1.00082 | 16.820 | 1234 | 17.630 | 1.00055 | 20.140 | 1128 |
| 2 1/2 | 2.875 | 0.203 | 1.704 | 2.004 | 49.85 | 9.019 | 1.00220 | 10.620 | 1663 | 11.170 | 1.00150 | 12.710 | 1520 |
| 3 | 3.500 | 0.216 | 2.228 | 2.621 | 45.19 | 6.897 | 1.00300 | 8.126 | 2040 | 8.500 | 1.00180 | 9.725 | 1865 |
| 3 1/2 | 4.000 | 0.226 | 2.680 | 3.151 | 42.05 | 5.736 | 1.00380 | 6.761 | 2347 | 7.070 | 1.00220 | 8.091 | 2145 |
| 4 | 4.500 | 0.237 | 3.174 | 3.733 | 39.28 | 4.842 | 1.00470 | 5.712 | 2664 | 5.968 | 1.00270 | 6.834 | 2436 |
| 5 | 5.563 | 0.258 | 4.300 | 5.057 | 34.31 | 3.574 | 1.00680 | 4.224 | 3348 | 4.406 | 1.00400 | 5.051 | 3063 |
| 6 | 6.625 | 0.280 | 5.581 | 6.564 | 30.23 | 2.754 | 1.00950 | 3.263 | 4064 | 3.394 | 1.00540 | 3.897 | 3719 |
| 8 | 8.625 | 0.322 | 8.399 | 9.879 | 24.39 | 1.830 | 1.0162 | 2.167 | 5434 | 2.257 | 1.0086 | 2.590 | 5047 |
| **Schedule 80 Pipe** | | | | | | | | | | | | | |
| 1 | 1.315 | 0.179 | 0.639 | 0.751 | 68.81 | 24.060 | 1.00100 | 28.300 | 774 | 29.650 | 1.00075 | 33.840 | 707 |
| 1 1/4 | 1.660 | 0.191 | 0.882 | 1.037 | 63.14 | 17.440 | 1.00140 | 20.520 | 985 | 21.490 | 1.00105 | 24.570 | 901 |
| 1 1/2 | 1.900 | 0.200 | 1.068 | 1.256 | 59.89 | 14.390 | 1.00200 | 16.940 | 1137 | 17.730 | 1.00150 | 20.280 | 1039 |
| 2 | 2.375 | 0.218 | 1.477 | 1.737 | 54.56 | 10.400 | 1.00280 | 12.260 | 1446 | 12.820 | 1.00210 | 14.670 | 1322 |
| 2 1/2 | 2.875 | 0.276 | 2.254 | 2.650 | 50.23 | 6.820 | 1.00720 | 8.071 | 1907 | 8.406 | 1.00390 | 9.647 | 1746 |
| 3 | 3.500 | 0.300 | 3.016 | 3.547 | 45.55 | 5.096 | 1.01030 | 6.050 | 2363 | 6.281 | 1.00490 | 7.225 | 2199 |
| 3 1/2 | 4.000 | 0.318 | 3.678 | 4.326 | 42.39 | 4.178 | 1.01380 | 4.972 | 2735 | 5.150 | 1.00750 | 5.935 | 2507 |
| 4 | 4.500 | 0.337 | 4.407 | 5.183 | 39.61 | 3.487 | 1.01710 | 4.168 | 3118 | 4.298 | 1.00950 | 4.965 | 2862 |
| 5 | 5.563 | 0.375 | 6.112 | 7.188 | 34.63 | 2.515 | 1.02600 | 3.032 | 3949 | 3.099 | 1.01650 | 3.604 | 3631 |
| 6 | 6.625 | 0.432 | 8.405 | 9.884 | 30.58 | 1.829 | 1.04570 | 2.247 | 4891 | 2.254 | 1.02120 | 2.656 | 4532 |
| 8 | 8.625 | 0.500 | 12.763 | 15.009 | 24.12 | 1.204 | 1.095 | 1.467 | 6651 | 1.484 | 1.0388 | 1.739 | 6152 |

**Notes:**

1. Current ratings listed in the Tables are based on 30°C temperature rise over 40°C ambient horizontally mounted conductors, with spacing sufficient to eliminate proximity effects, generally assumed not to be significant if spacing is 18 in. or over. Conduction of heat by supporting structures and taps can appreciably affect the ratings.
2. Conductors with a 2ft/sec crosswind. Nominal oxidized surface (e=0.50)
3. Current Ratings for direct current are close to those of alternating current for all except the larger sizes; and for them, the increase for dc bus is about 1.5 percent.
4. NEMA Standard SG1-3.02 (7/13/60) lists current rating for tubes of 57%-61% IACS conductivity, but without stated emissivity factors. However, even after adjustment for the 53% IACS conductivity of 6063-T6 alloy (and 43% for 6061-T6 alloy), the ratings differ somewhat from those of this table.

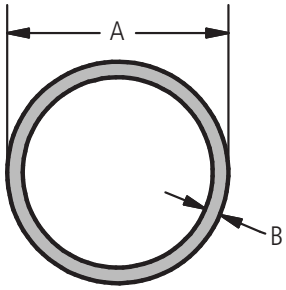
© 2011, AFL, all rights reserved. PP-3-00213, Revision 6, 5.14.2026
Specifications are subject to change without notice.

# Seamless Bus Tube

Seamless bus tube is a round, hollow material manufactured to a specific outside diameter (O.D.) and wall thickness. It is produced to meet specific end user requirements. Tubing is described by the actual outside diameter and wall thickness, i.e. 8" O.D. x 0.500" Wall aluminum tubing.

Outdoor tubular bus is generally made of 6063-T6 alloy because of its excellent mechanical and electrical properties and is readily available. 6061-T6 tubular conductor is used where very high strength and lower conductivity is required.

**Note:** For seamless bus tube sizes not listed, contact the AFL Commercial Team.




| Outside Diameter of Tube | Wall Thickness | Area | Weight |
|---|---|---|---|
| in. | in. | sq. in. | lb/ft |
| A | B | | |
| 8 | 0.250 | 6.09 | 7.16 |
| 8 | 0.375 | 8.98 | 10.56 |
| 8 | 0.500 | 11.78 | 13.85 |
| 8 | 0.625 | 14.48 | 17.03 |
| 9 | 0.250 | 6.87 | 8.08 |
| 9 | 0.375 | 10.16 | 11.95 |
| 9 | 0.500 | 13.35 | 15.70 |
| 9 | 0.625 | 16.44 | 19.34 |

| Outside Diameter of Tube | Wall Thickness | Area | Weight |
|---|---|---|---|
| in. | in. | sq. in. | lb/ft |
| A | B | | |
| 10 | 0.312 | 9.50 | 11.17 |
| 10 | 0.375 | 11.34 | 13.33 |
| 10 | 0.500 | 14.92 | 17.55 |
| 10 | 0.625 | 18.41 | 21.65 |
| 12 | 0.312 | 11.46 | 13.47 |
| 12 | 0.375 | 13.70 | 16.11 |
| 12 | 0.500 | 18.06 | 21.24 |
| 12 | 0.625 | 22.33 | 26.27 |

## Ordering Instructions

### Step 1: Choose Outside Diameter

| Outside Diameter | Diameter Code |
|---|---|
| 8 | 8OD |
| 9 | 9OD |
| 10 | 10OD |
| 12 | 12OD |

### Step 2: Choose Wall Thickness

| Wall Thickness | Thickness Code |
|---|---|
| 1/4" | 250W |
| 5/16" | 312W |
| 3/8" | 375W |
| 1/2" | 500W |
| 5/8" | 625W |

### Step 3: Choose Alloy

| Alloy Number | Alloy Code |
|---|---|
| 6061 | X |
| 6063 | Y |
| 6101 | Z |

### Step 4: Choose Temper

| Temper | Temper Code |
|---|---|
| T6 | T6 |
| T61 | T61 |
| T63 | T63 |

### Step 5: Choose Packaging

| Package Type | Package Code |
|---|---|
| Bare - Bat - Bundle (BBB) | B |
| EHV | E |

See pictures on page 651

### Step 6: Build Catalog Number

| Outside Diameter | + | Wall Thickness | + | Alloy Code | + | Temper | + | Package Code |
|---|---|---|---|---|---|---|---|---|

**Example:** To order 8 inch OD 1/2" wall 6101-T61 Alloy Bus Pipe with BBB packaging

| 8OD | + | 500W | + | Z | + | T61 | + | B |
|---|---|---|---|---|---|---|---|---|

Completed Catalog Number is 8OD500WZT61B.

© 2011, AFL, all rights reserved. PP-3-00213, Revision 6, 5.14.2026
Specifications are subject to change without notice.

# Physical & Electrical Properties of Large Diameter Round Tube

## Amperes for 6101-T61 Alloy 57% IACS Conductivity

| A | B | Area sq. in. | Weight lb/ft | Moment of Inertia 1 $in^4$ | Inductive Reactance 1 ft spacing 60 Hz-Xa µohms/ft | DC Resistance at 20°C µohms/ft | RAC/RDA at 70°C | AC Resistance at 70°C 60 Hz µohms/ft | Current Rating 60 Hz Amp | |
|---|---|---|---|---|---|---|---|---|---|---|
| Outside diameter in. | Wall Thickness in. | | | | | | | | Indoor | Outdoor |
| 8 | 0.250 | 6.09 | 7.16 | 45.70 | 25.80 | 2.348 | 1.006 | 2.8070 | 3805 | 4720 |
| 8 | 0.375 | 8.98 | 10.56 | 65.44 | 26.00 | 1.591 | 1.030 | 1.9470 | 4555 | 5645 |
| 8 | 0.500 | 11.78 | 13.85 | 83.20 | 26.20 | 1.213 | 1.091 | 1.5730 | 5045 | 6250 |
| 8 | 0.625 | 14.48 | 17.03 | 99.20 | 26.50 | 0.987 | 1.206 | 1.4140 | 5190 | 6435 |
| 9 | 0.250 | 6.87 | 8.08 | 65.80 | 23.20 | 2.079 | 1.006 | 2.4860 | 4255 | 5245 |
| 9 | 0.375 | 10.16 | 11.95 | 94.70 | 23.30 | 1.406 | 1.030 | 1.7220 | 5100 | 6285 |
| 9 | 0.500 | 13.35 | 15.70 | 121.00 | 23.40 | 1.070 | 1.092 | 1.3890 | 5650 | 6965 |
| 9 | 0.625 | 16.44 | 19.34 | 145.00 | 23.60 | 0.869 | 1.308 | 1.2480 | 5980 | 7370 |
| 10 | 0.312 | 9.50 | 11.17 | 111.50 | 20.60 | 1.505 | 1.015 | 1.8140 | 5185 | 6355 |
| 10 | 0.375 | 11.34 | 13.33 | 131.50 | 20.70 | 1.260 | 1.031 | 1.5430 | 5635 | 6910 |
| 10 | 0.500 | 14.92 | 17.55 | 168.80 | 20.90 | 0.958 | 1.092 | 1.2430 | 6255 | 7670 |
| 10 | 0.625 | 18.41 | 21.65 | 203.10 | 21.00 | 0.776 | 1.210 | 1.1160 | 6640 | 8140 |
| 12 | 0.312 | 11.46 | 13.47 | 195.80 | 16.30 | 1.247 | 1.015 | 1.5040 | 6155 | 7480 |
| 12 | 0.375 | 13.70 | 16.11 | 231.60 | 16.40 | 1.043 | 1.031 | 1.2780 | 6685 | 8125 |
| 12 | 0.500 | 18.06 | 21.24 | 299.20 | 16.60 | 0.791 | 1.093 | 1.0280 | 7415 | 9015 |
| 12 | 0.625 | 22.33 | 26.27 | 362.30 | 16.70 | 0.640 | 1.213 | 0.9219 | 7850 | 9545 |

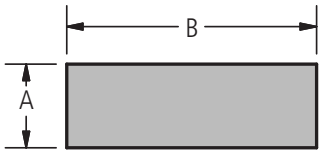
**Notes:**

1. Current ratings listed in the Tables are based on 30°C temperature rise over 40°C ambient horizontally mounted conductors, with spacing sufficient to eliminate proximity effects, generally assumed not to be significant if spacing is 18 in. or over. Conduction of heat by supporting structures and taps can appreciably affect the ratings.
2. Conductors with a 2ft/sec crosswind. Nominal oxidized surface (e=0.50)
3. Current Ratings for direct current are close to those of alternating current for all except the larger sizes; and for them, the increase for dc bus is about 1.5 percent.

© 2011, AFL, all rights reserved. PP-3-00213, Revision 6, 5.14.2026
Specifications are subject to change without notice.

# Rectangular Bar – Sharp Corners (Standard)

Rectangular shapes are the all-purpose rigid conductor for switchgear, control apparatus and busways. The use of multiple bar bus can provide a large surface area for heat dissipation. Joints and taps are easily made by bolting or welding; it is also easy to make off-sets and 90-degree bends.




For direct current, the capacity of a rectangular bar bus conductor can be controlled by varying the size or number of bars in parallel. The same is true of alternating current up to certain limits. Special arrangements of laminations are used for high-amperage alternating current.

| Thickness A | Width B | Estimated Weight per lb/ft |
|---|---|---|
| in. | in. | |
| 1/8 0.125 | 0.375 | 0.055 |
| 1/8 0.125 | 0.500 | 0.074 |
| 1/8 0.125 | 0.500 | 0.074 |
| 1/8 0.125 | 0.625 | 0.090 |
| 1/8 0.125 | 0.750 | 0.110 |
| 1/8 0.125 | 0.875 | 0.127 |
| 1/8 0.125 | 1.000 | 0.149 |
| 1/8 0.125 | 1.000 | 0.145 |
| 1/8 0.125 | 1.250 | 0.184 |
| 1/8 0.125 | 2.000 | 0.299 |
| 1/8 0.125 | 2.500 | 0.371 |
| 1/8 0.125 | 4.000 | 0.599 |
| 3/16 0.188 | 0.375 | 0.084 |
| 3/16 0.188 | 0.500 | 0.112 |
| 3/16 0.188 | 0.625 | 0.140 |
| 3/16 0.188 | 0.750 | 0.169 |
| 3/16 0.188 | 0.750 | 0.168 |
| 3/16 0.188 | 0.875 | 0.187 |
| 3/16 0.188 | 1.000 | 0.222 |
| 3/16 0.188 | 2.000 | 0.442 |
| 1/4 0.250 | 0.500 | 0.149 |
| 1/4 0.250 | 0.750 | 0.209 |
| 1/4 0.250 | 1.000 | 0.284 |
| 1/4 0.250 | 1.250 | 0.359 |
| 1/4 0.250 | 1.500 | 0.434 |
| 1/4 0.250 | 2.000 | 0.584 |
| 1/4 0.250 | 2.500 | 0.734 |
| 1/4 0.250 | 3.000 | 0.884 |
| 1/4 0.250 | 3.250 | 0.959 |
| 1/4 0.250 | 4.000 | 1.184 |

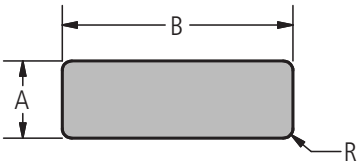
| Thickness A | Width B | Estimated Weight per lb/ft |
|---|---|---|
| in. | in. | |
| 1/4 0.250 | 4.500 | 1.334 |
| 1/4 0.250 | 5.000 | 1.484 |
| 1/4 0.250 | 6.000 | 1.784 |
| 1/4 0.250 | 7.000 | 2.084 |
| 1/4 0.250 | 8.000 | 2.384 |
| 3/8 0.375 | 0.625 | 0.277 |
| 3/8 0.375 | 1.25 | 0.527 |
| 3/8 0.375 | 2 | 0.895 |
| 3/8 0.375 | 2 | 0.864 |
| 3/8 0.375 | 2.5 | 1.120 |
| 3/8 0.375 | 3 | 1.314 |
| 3/8 0.375 | 4 | 1.764 |
| 3/8 0.375 | 5 | 2.214 |
| 3/8 0.375 | 6 | 2.664 |
| 3/8 0.375 | 8 | 3.596 |
| 1/2 0.5 | 0.75 | 0.385 |
| 1/2 0.5 | 1.5 | 0.896 |
| 1/2 0.5 | 2 | 1.196 |
| 1/2 0.5 | 3 | 1.796 |
| 1/2 0.5 | 4 | 2.396 |
| 1/2 0.5 | 5 | 2.996 |
| 1/2 0.5 | 6 | 3.596 |
| 1/2 0.5 | 8 | 4.796 |
| 1/2 0.5 | 10 | 5.996 |
| 3/4 0.75 | 1 | 0.884 |
| 3/4 0.75 | 4 | 3.455 |
| 3/4 0.75 | 5 | 4.495 |
| 1 | 1.25 | 1.498 |
| 1 | 8 | 9.535 |
| 1 | 10 | 11.996 |
| 1 | 12 | 14.364 |

© 2011, AFL, all rights reserved. PP-3-00213, Revision 6, 5.14.2026
Specifications are subject to change without notice.

# Rectangular Bar – Rounded Corners (Special Order)

Rectangular shapes are the all-purpose rigid conductor for switchgear, control apparatus and busways. The use of multiple bar bus can provide a large surface area for heat dissipation. Joints and taps are easily made by bolting or welding; it is also easy to make off-sets and 90-degree bends.

For direct current, the capacity of a rectangular bar bus conductor can be controlled by varying the size or number of bars in parallel. The same is true of alternating current up to certain limits. Special arrangements of laminations are used for high-amperage alternating current.




| Thickness A | Width B | Radius R | Estimated Weight per lb/ft |
|---|---|---|---|
| in. | in. | in. | |
| 1/8 0.125 | 0.375 | 0.031 | 0.055 |
| 1/8 0.125 | 0.500 | 0.016 | 0.074 |
| 1/8 0.125 | 0.500 | 0.031 | 0.074 |
| 1/8 0.125 | 0.625 | 0.062 | 0.090 |
| 1/8 0.125 | 0.750 | 0.031 | 0.110 |
| 1/8 0.125 | 0.875 | 0.062 | 0.127 |
| 1/8 0.125 | 1.000 | 0.031 | 0.149 |
| 1/8 0.125 | 1.000 | 0.062 | 0.145 |
| 1/8 0.125 | 1.250 | 0.062 | 0.184 |
| 1/8 0.125 | 2.000 | 0.031 | 0.299 |
| 1/8 0.125 | 2.500 | 0.031 | 0.371 |
| 1/8 0.125 | 4.000 | 0.031 | 0.599 |
| 3/16 0.188 | 0.375 | 0.031 | 0.084 |
| 3/16 0.188 | 0.500 | 0.031 | 0.112 |
| 3/16 0.188 | 0.625 | 0.031 | 0.140 |
| 3/16 0.188 | 0.750 | 0.016 | 0.169 |
| 3/16 0.188 | 0.750 | 0.031 | 0.168 |
| 3/16 0.188 | 0.875 | 0.094 | 0.187 |
| 3/16 0.188 | 1.000 | 0.062 | 0.222 |
| 3/16 0.188 | 2.000 | 0.094 | 0.442 |
| 1/4 0.250 | 0.500 | 0.031 | 0.149 |
| 1/4 0.250 | 0.750 | 0.125 | 0.209 |
| 1/4 0.250 | 1.000 | 0.125 | 0.284 |
| 1/4 0.250 | 1.250 | 0.125 | 0.359 |
| 1/4 0.250 | 1.500 | 0.125 | 0.434 |
| 1/4 0.250 | 2.000 | 0.125 | 0.584 |
| 1/4 0.250 | 2.500 | 0.125 | 0.734 |
| 1/4 0.250 | 3.000 | 0.125 | 0.884 |
| 1/4 0.250 | 3.250 | 0.125 | 0.959 |
| 1/4 0.250 | 4.000 | 0.125 | 1.184 |

| Thickness A | Width B | Radius R | Estimated Weight per lb/ft |
|---|---|---|---|
| in. | in. | in. | |
| 1/4 0.250 | 4.500 | 0.125 | 1.334 |
| 1/4 0.250 | 5.000 | 0.125 | 1.484 |
| 1/4 0.250 | 6.000 | 0.125 | 1.784 |
| 1/4 0.250 | 7.000 | 0.125 | 2.084 |
| 1/4 0.250 | 8.000 | 0.125 | 2.384 |
| 3/8 0.375 | 0.625 | 0.062 | 0.277 |
| 3/8 0.375 | 1.25 | 0.188 | 0.527 |
| 3/8 0.375 | 2 | 0.062 | 0.895 |
| 3/8 0.375 | 2 | 0.187 | 0.864 |
| 3/8 0.375 | 2.5 | 0.062 | 1.120 |
| 3/8 0.375 | 3 | 0.187 | 1.314 |
| 3/8 0.375 | 4 | 0.187 | 1.764 |
| 3/8 0.375 | 5 | 0.187 | 2.214 |
| 3/8 0.375 | 6 | 0.187 | 2.664 |
| 3/8 0.375 | 8 | 0.062 | 3.596 |
| 1/2 0.5 | 0.75 | 0.250 | 0.385 |
| 1/2 0.5 | 1.5 | 0.062 | 0.896 |
| 1/2 0.5 | 2 | 0.062 | 1.196 |
| 1/2 0.5 | 3 | 0.062 | 1.796 |
| 1/2 0.5 | 4 | 0.062 | 2.396 |
| 1/2 0.5 | 5 | 0.062 | 2.996 |
| 1/2 0.5 | 6 | 0.062 | 3.596 |
| 1/2 0.5 | 8 | 0.062 | 4.796 |
| 1/2 0.5 | 10 | 0.062 | 5.996 |
| 3/4 0.75 | 1 | 0.125 | 0.884 |
| 3/4 0.75 | 4 | 0.375 | 3.455 |
| 3/4 0.75 | 5 | 0.062 | 4.495 |
| 1 | 1.25 | 0.031 | 1.498 |
| 1 | 8 | 0.250 | 9.535 |
| 1 | 10 | 0.062 | 11.996 |
| 1 | 12 | 0.188 | 14.364 |

© 2011, AFL, all rights reserved. PP-3-00213, Revision 6, 5.14.2026
Specifications are subject to change without notice.

# Ordering Instructions

### Step 1: Width of Bar

| Width of Bar | Width Code |
|---|---|
| 3/8 | R375 |
| 1/2 | R500 |
| 5/8 | R625 |
| 3/4 | R750 |
| 7/8 | R875 |
| 1 | R1i |
| 1 1/4 | R125i |
| 1 1/2 | R15i |
| 2 | R2i |
| 2 1/2 | R25i |
| 3 | R3i |
| 3 1/4 | R325i |
| 4 | R4i |
| 4 1/2 | R45i |
| 5 | R5i |
| 6 | R6i |
| 7 | R7i |
| 8 | R8i |
| 10 | R10i |
| 12 | R12i |

### Step 2: Thickness of Bar

| Thickness of Bar | Thickness Code |
|---|---|
| 1/8 | 125W |
| 3/16 | 188W |
| 1/4 | 250W |
| 3/8 | 375W |
| 1/2 | 500W |
| 3/4 | 750W |
| 1 | 100W |

### Step 3: Standard Alloy

| Alloy Number | Alloy Code |
|---|---|
| 6101 | Z |

### Step 4: Choose Temper

| Temper | Temper Code |
|---|---|
| T6 | T6 |
| T61 | T61 |
| T63 | T63 |

### Step 5: Choose Edge Finish

| Type | Radius |
|---|---|
| Square | (blank) |
| Rounded | R |

See pictures on page 651

### Step 6: Build Catalog Number

Width Code + Thickness Code + Alloy Code + Temper + Radius

**Example:** To order 1 1/4″″wide x 1/8″ wall thickness 6101-T6 Bus Bar

R125i + 125W + Z + T6 + R

Completed Catalog Number is R125i125WZT6R.



© 2011, AFL, all rights reserved. PP-3-00213, Revision 6, 5.14.2026
Specifications are subject to change without notice.

# Current Rating of Rectangular Aluminum Bus Bar Arrangements

## Amperes for 6101-T61 Alloy 57% IACS Conductivity

| Sizes (inches) | 1 Bar | | 2 Bars | | 3 Bars | | 4 Bars | |
|---|---|---|---|---|---|---|---|---|
| | DC | 60 Hz AC | DC | 60 Hz AC | DC | 60 Hz AC | DC | 60 Hz AC |
| 1/4 x 1 | 308 | 308 | 607 | 601 | 605 | 887 | 1203 | 1168 |
| 1 1/2 | 430 | 429 | 833 | 817 | 1235 | 1194 | 1637 | 1561 |
| 2 | 549 | 545 | 1051 | 1021 | 1552 | 1480 | 2053 | 1915 |
| 3 | 780 | 768 | 1472 | 1410 | 2162 | 2000 | 2851 | 2530 |
| 4 | 1005 | 980 | 1878 | 1760 | 2749 | 2462 | 3619 | 3081 |
| 5 | 1225 | 1184 | 2275 | 2092 | 3321 | 2905 | 4365 | 3625 |
| 6 | 1443 | 1381 | 2665 | 2413 | 3881 | 3338 | 5095 | 4146 |
| 7 | 1870 | 1760 | 3427 | 3034 | 4974 | 4183 | 6517 | 5152 |
| 3/8 x 2 | 691 | 678 | 1340 | 1278 | 1989 | 1831 | 2638 | 2332 |
| 3 | 974 | 941 | 1857 | 1709 | 2739 | 2384 | 3620 | 2946 |
| 4 | 1249 | 1191 | 2356 | 2099 | 3460 | 2893 | 4563 | 3574 |
| 5 | 1519 | 1429 | 2842 | 2483 | 4162 | 3387 | 5479 | 4178 |
| 6 | 1785 | 1657 | 3320 | 2847 | 4848 | 3857 | 6375 | 4765 |
| 8 | 2308 | 2098 | 4253 | 3569 | 6188 | 4774 | 8119 | 5875 |
| 10 | 2822 | 2534 | 5165 | 4289 | 7493 | 5632 | 9817 | 6941 |
| 1/2 x 3 | 1145 | 1074 | 2205 | 1991 | 3265 | 2742 | 4324 | 3297 |
| 4 | 1462 | 1369 | 2782 | 2416 | 4100 | 3264 | 5417 | 3940 |
| 5 | 1774 | 1634 | 3345 | 2828 | 4912 | 3778 | 6477 | 4580 |
| 6 | 2081 | 1892 | 3897 | 3230 | 5706 | 4284 | 7514 | 5210 |
| 8 | 2685 | 2393 | 4975 | 4014 | 7255 | 5276 | 9531 | 6246 |
| 10 | 3278 | 2880 | 6209 | 4779 | 8763 | 6256 | 1149 | 7579 |

| Sizes (inches) | 1 Bar | | 2 Bars | | 3 Bars | | 4 Bars | |
|---|---|---|---|---|---|---|---|---|
| | DC | 60 Hz AC | DC | 60 Hz AC | DC | 60 Hz AC | DC | 60 Hz AC |
| 1/4 x 1 | 300 | 300 | 585 | 580 | 775 | 765 | 905 | 880 |
| 1 1/2 | 420 | 415 | 800 | 785 | 1060 | 1020 | 1240 | 1180 |
| 2 | 535 | 530 | 1010 | 980 | 1340 | 1280 | 1560 | 1460 |
| 3 | 750 | 735 | 1380 | 1310 | 1850 | 1700 | 2180 | 1940 |
| 4 | 955 | 930 | 1720 | 1600 | 2300 | 2050 | 2740 | 2330 |
| 5 | 1160 | 1120 | 2000 | 1830 | 2670 | 2330 | 3160 | 2610 |
| 6 | 1320 | 1270 | 2220 | 2010 | 2970 | 2540 | 3440 | 2800 |
| 8 | 1620 | 1520 | 2640 | 2320 | 3410 | 2840 | 3900 | 3080 |
| 3/8 x 2 | 670 | 660 | 1230 | 1170 | 1620 | 1490 | 1920 | 1700 |
| 3 | 935 | 905 | 1680 | 1550 | 2250 | 1960 | 2730 | 2220 |
| 4 | 1190 | 1130 | 2080 | 1860 | 2800 | 2340 | 3360 | 2630 |
| 5 | 1420 | 1340 | 2420 | 2110 | 3250 | 2650 | 3850 | 2940 |
| 6 | 1630 | 1520 | 2710 | 2330 | 3680 | 2940 | 4280 | 3200 |
| 8 | 2000 | 1820 | 3240 | 2700 | 4210 | 3270 | 4820 | 3490 |
| 1/2 x 3 | 1100 | 1050 | 1870 | 1650 | 2560 | 2080 | 3070 | 2340 |
| 4 | 1390 | 1300 | 2290 | 1960 | 3150 | 2470 | 3800 | 2750 |
| 5 | 1650 | 1520 | 2680 | 2240 | 3630 | 2780 | 4370 | 3090 |
| 6 | 1890 | 1710 | 3050 | 2490 | 4060 | 3050 | 4800 | 3330 |
| 8 | 2310 | 2050 | 3640 | 2900 | 4790 | 3490 | 5510 | 3720 |

**Notes:**

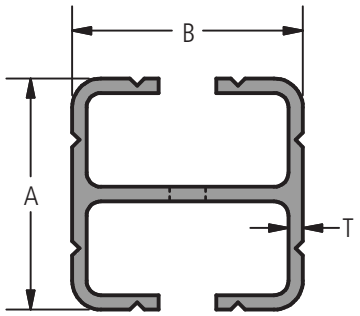
1. Ratings based on 30°C rise over 40°C ambient in still but confined air (e=0.35), corresponding to usual indoor temperature. Vertical bar ampacity based on work by House and Tuttle. Horizontal bar ampacity from industry sources.
2. Space between bars is assumed equal bar thickness.
3. For ac phase spacings less than 18 inches an allowance for proximity effect must be made.
4. Ratings are based on horizontal mounting, in air with no attachments. For dc ratings of other alloys, multiply by: For 6101-T61, 0.982; 6101-T63, 0.992; 6101-T64, 1.02; 6101-T65, 0.996. For 60Hz, the use of these multipliers is conservative.

© 2011, AFL, all rights reserved. PP-3-00213, Revision 6, 5.14.2026
Specifications are subject to change without notice.

# Integral Web (IWBC)

## Bus Conductor

This shape is used for station bus, open or enclosed and for the high-current bus of outdoor substations for distribution voltages, as well as for 600-volt bus for industrial plants. AFL offers the integral web bus conductor in both ventilated and non-ventilated conditions. The use of this shape makes it unnecessary to use the spacer clamps or welded tie-bars normally needed across the channels between insulator supports. Although convection airflow is less than that of a face-to-face channel arrangement, transverse strength is greater. The shallow grooves extruded on the surface facilitate location of the centers of drilled or punched holes for attaching base plates and taps.




| Size | | Wall Thickness | Area | Weight |
|---|---|---|---|---|
| Height A | Width B | T | sq. in. | lb/ft |
| in. | in. | in. | | |
| 4 | 4 | 0.156 | 2.439 | 2.87 |
| 4 | 4 | 0.250 | 3.781 | 4.45 |
| 4 | 4 | 0.312 | 4.460 | 5.25 |
| 6 | 4 | 0.250 | 4.780 | 5.62 |
| 6 | 4 | 0.375 | 6.020 | 7.10 |
| 6 | 4 | 0.375 | 6.950 | 8.17 |
| 6 | 5 | 0.375 | 7.600 | 8.94 |
| 6 | 6 | 0.375 | 8.600 | 10.15 |
| 6 | 6 | 0.550 | 11.220 | 13.19 |
| 7 | 7 | 0.500 | 12.840 | 15.10 |
| 8 | 5 | 0.375 | 9.080 | 10.68 |
| 8 | 5 | 0.500 | 11.750 | 13.82 |
| 8 | 8 | 0.500 | 16.120 | 18.96 |
| 9 | 9 | 0.625 | 20.040 | 23.57 |
| 10 | 10 | 0.625 | 23.500 | 27.64 |

© 2011, AFL, all rights reserved. PP-3-00213, Revision 6, 5.14.2026
Specifications are subject to change without notice.



AFL | AFLglobal.com
1 (800) 890-8878

# Physical & Electrical Properties of Integral-Web Channel

## Bus Conductors – 6101-T6 Alloy 55.0% IACS Conductivity (minimum)

| Size | | Wall Thickness | Area | Weight | Moment of Inertia, in.$^4$ | | DC Resistance | Current Rating DC | Inductive Reactance | RAC/RDC | AC 60 Hz Resistance | Current Rating AC - 60 Hz | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A in. | B in. | T in. | sq. in. | lb/ft | $I_{x-x}$ | $I_{y-y}$ | RDC - 20°C µohms per ft | 70°C e=0.35 Indoors | Xa-60Hz 1 ft spacing microhms per ft | 70°C 60 Hz | RAC-70°C µohms per ft | Indoor e=0.35 | Outdoor e= 0.50 |
| 4 | 4 | 0.156 | 2.439 | 2.87 | 3.876 | 6.213 | 6.88 | 2260 | 39.02 | 1.020 | 7.017 | 2240 | 2520 |
| 4 | 4 | 0.250 | 3.781 | 4.45 | 5.788 | 9.213 | 4.42 | 2810 | 39.76 | 1.035 | 4.579 | 2276 | 3115 |
| 4 | 4 | 0.312 | 4.460 | 5.25 | 6.892 | 10.94 | 3.75 | 3050 | 40.80 | 1.050 | 3.940 | 2980 | 3360 |
| 6 | 4 | 0.250 | 4.780 | 5.62 | 16.35 | 12.74 | 3.50 | 3480 | 34.80 | 1.050 | 3.670 | 3400 | 3780 |
| 6 | 4 | 0.375 | 6.020 | 7.10 | 14.50 | 14.00 | 2.78 | 3900 | 36.60 | 1.080 | 3.000 | 3760 | 4180 |
| 6 | 4 | 0.375 | 6.950 | 8.17 | 22.91 | 17.45 | 2.41 | 4200 | — | 1.090 | 2.630 | 4020 | 4470 |
| 6 | 5 | 0.375 | 7.600 | 8.94 | 25.19 | 29.78 | 2.20 | 4500 | 32.50 | 1.110 | 2.440 | 4320 | 4800 |
| 6 | 6 | 0.375 | 8.600 | 10.15 | 29.73 | 45.98 | 1.95 | 5020 | 27.60 | 1.110 | 2.160 | 4760 | 5270 |
| 6 | 6 | 0.550 | 11.22 | 13.19 | 40.05 | 60.86 | 1.49 | 5730 | 31.40 | 1.220 | 1.820 | 5190 | 5740 |
| 7 | 7 | 0.500 | 12.84 | 15.10 | 64.83 | 95.67 | 1.30 | 6530 | 27.60 | 1.210 | 1.570 | 5940 | 6540 |
| 8 | 5 | 0.375 | 9.080 | 10.68 | 52.88 | 37.59 | 1.84 | 5350 | 29.10 | 1.120 | 2.064 | 5060 | 5560 |
| 8 | 5 | 0.500 | 11.75 | 13.82 | 66.84 | 46.67 | 1.42 | 6090 | 30.00 | 1.280 | 1.820 | 5380 | 5910 |
| 8 | 8 | 0.500 | 16.12 | 18.96 | 103.5 | 152.3 | 1.04 | 7740 | 24.70 | 1.260 | 1.310 | 6890 | 7550 |
| 9 | 9 | 0.625 | 20.04 | 23.57 | 162.3 | 240.1 | 0.83 | 9060 | 21.60 | 1.370 | 1.140 | 7740 | 8450 |
| 10 | 10 | 0.625 | 23.50 | 27.64 | 255.6 | 362.4 | 0.71 | 10260 | 19.10 | 1.420 | 1.010 | 8610 | 9350 |

**Notes:**

1. Current ratings are based on 6101-T61 alloy with standard vent-holes in web. For 6101-T6 reduce the rating by 2 percent. Indoor ratings are based on 30°C rise over 40°C ambient in still but unconfined air, normally oxidized surface (e=0.35) and similarly for outdoor ratings, except 2 ft/sec cross wind (e=0.50). Horizontal mounting is assumed with spacing sufficient to eliminate proximity effects, generally assumed to be 18-in. or over. For temperature rise of 50oC above 40oC ambient, the indoor ratings for 30oC may be increased about 30 percent. Indoor ratings (D-C and A-C) calculated by computer and verified by test rounded. Outdoor ratings are calculations only.
2. For vent and notch arrangements, consult your AFL Sales Representative. The interior perimeter varies according to the washer diameters that are to be accommodated, and as to their location per NEMA spacing. The 12 in. x 12 in. size is a opposite of two symmetric extrusions bolted together.

## Ordering Instructions

### Step 1: Choose Size of IWBC

| Size of IWBC | Size Code |
|---|---|
| 4" x 4" | I44 |
| 6" x 4" | I64 |
| 6" x 5" | I65 |
| 6" x 6" | I66 |
| 7" x 7" | I77 |
| 8" x 5" | I85 |
| 8" x 8" | I88 |
| 9" x 9" | I99 |
| 10" x 10" | I101 |

### Step 2: Choose Wall Thickness

| Wall Thickness | Thickness Code |
|---|---|
| 5/32 | 156W |
| 1/4 | 250W |
| 5/16 | 312W |
| 3/8 | 375W |
| 0.550 | 550W |
| 1/2 | 500W |

### Step 3: Standard Alloy

| Alloy Number | Alloy Code |
|---|---|
| 6101 | Z |

### Step 4: Choose Temper

| Temper | Temper Code |
|---|---|
| T6 | T6 |
| T61 | T61 |
| T63 | T63 |

### Step 5: Choose Piece Length

Piece Length is a whole number between 10 feet and 40 feet.

### Step 6: Build Catalog Number

| Size Code | + | Thickness Code | + | Alloy Code | + | Temper | + | Vented |
|---|---|---|---|---|---|---|---|---|

**Example:** To order 8" x 8" IWBC with 1/2" wall thickness 6101 T-6 Alloy

| I88 | + | 500W | + | Z | + | T6 | + | V |
|---|---|---|---|---|---|---|---|---|

Completed Catalog Number is I88500WZT6V.

**Example:** To order 4" x 4" IWBC with 1/4" wall thickness 6063 T-6 Alloy Non-vented

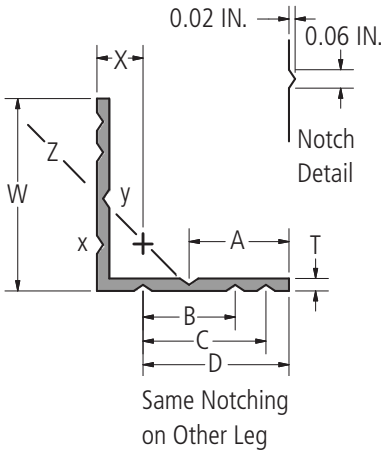
| I44 | + | 250W | + | Y | + | T6 | + | |
|---|---|---|---|---|---|---|---|---|

Completed Catalog Number is I44250WYT6

© 2011, AFL, all rights reserved. PP-3-00213, Revision 6, 5.14.2026
Specifications are subject to change without notice.

# Universal Angle Bus Conductor (UABC)

The universal angle bus conductor is used for moderate-size outdoor substations at distribution voltages. Centerline grooves make it easy to locate bolt holes. The bus can be mounted directly on insulator caps, since both legs are of uniform thickness. In contrast to the large number of fittings sometimes required for bus installation, angle can be easily installed using bolts. Terminal connectors are used to make taps or flexible connections. Angle shapes are usually made of 6101-T6 alloy.




## Standard – Non-Vented

| Size W | Size T | Notching Dimensions | | | | Area sq. in. | Weight lb/ft |
|---|---|---|---|---|---|---|---|
| in. | in. | A | B | C | D | | lb/ft |
| 3 1/4 | 1/4 | 1.500 | 1.750 | --- | 2.375 | 1.57 | 1.83 |
| 4 | 1/4 | 1.875 | 1.750 | 2.00 | 2.813 | 1.93 | 2.27 |
| 4 | 3/8 | 1.875 | 1.750 | 2.00 | 2.813 | 2.85 | 3.36 |
| 4 1/2 | 3/8 | 2.187 | 1.750 | 2.00 | 3.006 | 3.23 | 3.80 |
| 5 | 3/8 | 2.313 | 1.750 | 2.00 | 3.256 | 3.60 | 4.24 |

## Ordering Instructions

### Step 1: Choose Size

| Size of UABC | Size Code |
|---|---|
| 3 1/4" | A325 |
| 4" | A400 |
| 4 1/2" | A450 |
| 5" | A500 |

### Step 2: Choose Wall Thickness

| Wall Thickness | Thickness Code |
|---|---|
| 1/4 | 250W |
| 3/8 | 375W |

### Step 3: Standard Alloy

| Alloy Number | Alloy Code |
|---|---|
| 6101 | Z |

### Step 4: Choose Temper

| Temper | Temper Code |
|---|---|
| T6 | T6 |
| T61 | T61 |
| T63 | T63 |

### Step 5: Build Catalog Number

Size Code + Thickness Code + Alloy Code + Temper

**Example:** To order 5" 3/8" Wall Thickness 6106-T6 Alloy UABC

A500 + 375W + Z + T6

Completed Catalog Number is A500375WZT6.

© 2011, AFL, all rights reserved. PP-3-00213, Revision 6, 5.14.2026
Specifications are subject to change without notice.



AFL | AFLglobal.com
1 (800) 890-8878

# Physical & Electrical Properties of Uniform-Thickness

## Angle Bus Conductors – 6101-T6 alloy 55.0% IACS Conductivity (minimum) (4)

| Size (3) | | Area sq. in. | Weight lb/ft | Moment of Inertia in.4 | | Minimum Distance to Neutral Axis | | Xa - 60 Hz Inductive Reactance 1-ft Spacing µohms/ft | DC Resistance at 20°C µohms/ft | RAC/RDC at 70°C 60 Hz | AC Resistance at 70°C 60Hz µohms/ft | AC Current Rating 60 Hz Amp (1) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W in. | T in. | | | LX or Y | LZ | X or Y | Z | | | | | Indoor e=0.35 | Outdoor e=0.50 |
| 3 1/4 | 1/4 | 1.57 | 1.83 | 1.60 | 0.65 | 0.91 | 1.30 | 51.41 | 11.20 | 1.024 | 11.49 | 1300 | 1902 |
| 4 | 1/4 | 1.93 | 2.27 | 3.02 | 1.18 | 1.09 | 1.51 | 46.60 | 9.07 | 1.045 | 9.46 | 1550 | 2236 |
| 4 | 3/8 | 2.85 | 3.36 | 4.35 | 1.75 | 1.14 | 1.60 | 46.62 | 6.14 | 1.115 | 6.85 | 1850 | 2654 |
| 4 1/2 | 3/8 | 3.23 | 3.80 | 6.31 | 2.61 | 1.26 | 1.77 | 43.93 | 5.42 | 1.145 | 6.20 | 2050 | 2885 |
| 5 | 3/8 | 3.60 | 4.24 | 8.75 | 3.50 | 1.39 | 1.96 | 41.52 | 4.86 | 1.175 | 5.71 | 2250 | 3130 |

**Notes:**

1. Indoor current ratings are based on 30°C rise over 40°C ambient in still but unconfined air, normally oxidized surface (e=0.35). Outdoor ratings are based similarly, but with 2 ft/sec crosswind (e=0.50). Horizontal mounting is assumed with spacing sufficient to eliminate proximity effects, generally assumed to be 18-in. or over. Indoor ratings based on work by House and Tuttle. Outdoor ratings from IEEE paper by Prager, Pemberton, Craig and Bleshman.
2. Back-to-back angles are to be considered as separate members; not as a composite.
3. Alignment grooves are extruded to facilitate centering of holes according to NEMA standard spacings.
4. A modification of this design has a lug at top that does not interfere with bolting, yet it strengthens the shape against tendency to roll-over to the z-z axis in long spans subjected to large lateral short circuit forces. For equal weight of shape, the z-z radius of gyration is increased by 20 percent. The stress that causes roll-over is thereby increased about 40 percent.



© 2011, AFL, all rights reserved. PP-3-00213, Revision 6, 5.14.2026
Specifications are subject to change without notice.

# Mechanical Properties of Aluminum Bus Conductors

The Table below shows the mechanical properties of the aluminum alloys and tempers generally used for bus conductor. From this information, the best combination of properties can be selected for a particular application. For example, where the cost of power is important, high electrical conductivity is a key factor. In outdoor applications, mechanical properties are a prime consideration. Other factors, such as yield strength and tensile strength may are taken into consideration.

### Mechanical Properties of Aluminum Bus Conductor & Related Alloys

| Product | Alloy and Temper | Thickness in. | Tensile Strength (ksi) at 20°C (68°F) | | Typical Ultimate (b) | Typical Yield (b) | Typical (a) Elongation (Percent - in 2 in. or 4 in. Dia.) |
|---|---|---|---|---|---|---|---|
| | | | Minimum Ultimate (b) | Minimum Yield (b) | | | |
| Extruded rod, bar tube, pipe | 6101-T6 | 0.125-0.500 | 29.0 | 25.0 | 32.0 | 28.0 | 15.0 |
| | 6101-T61 | 0.125-0.749 | 20.0 | 15.0 | | | |
| | | 0.750-1.499 | 18.0 | 11.0 | | | |
| | | 1.500-2.000 | 15.0 | 8.0 | | | |
| | 6101-T63 | 0.125-0.500 | 27.0 | 22.0 | | | |
| | 6101-T64 | 0.125-1.000 | 15.0 | 8.0 | | | |
| | 6101-T65 | 0.125-0.749 | 25.0 | 20.0 | | | |
| Extruded Pipe (c) | 6061-T6 | Pipe size 1.0 and over | 38.0 | 35.0 | 45.0 | 40.0 | 10.0 min |
| | 6063-T6 | Pipe size, all | 30.0 | 25.0 | 35.0 | 31.0 | 8.0 min |

(a) Elongation values apply to specimens of sizes related to product uses.
(b) Values apply to ANSI net stress area of regular or semi-finished bolts.
(c) Values apply to ASTM B241 seamless pipe.

© 2011, AFL, all rights reserved. PP-3-00213, Revision 6, 5.14.2026
Specifications are subject to change without notice.

# Bending and Forming Bus Conductor

Aluminum bus conductors can be formed by the same procedures and practices that are used for other metals. The most important factors governing to consider when bending bus conductor are:

1. The ductility of the conductor
2. The size and shape of the conductor
3. The method of bending
4. The bending equipment used

A metal must be ductile enough to allow stretching and compression to take place. Elongation alone is not a complete criterion for ductility. The ration of yield strength to tensile strength must also be taken into account. A combination of a high elongation value and a low ratio of yield strength to tensile strength provides the most satisfactory ductility.

The size and the shape of the bus conductor is another factor that must be taken into consideration. For example, in case of a tube, the sharpness of a bend depends not only on the diameter of the tube, but also on the ratio of wall thickness to the diameter. When making edgewise bends of rectangular bar, tests have shown that the radius (in terms of width of the bar) around which a bar can be bent satisfactorily depends not only on the ductility of the car but also on its ratio of width to thickness.

Extruded, rolled, and sawed-plated bus bars can be bent flatwise at room temperature through an angle of 90 degrees to minimum inside radii.

Tubular conductors made alloys 6063-T6 and 6061-T6 are often bent to form turns and offsets In these cases, specifications should require seamless pipe made by holow ingot process (ASTM B241). Ideally, the ratio of tensile yield to tensile ultimate should not exceed 0.85. It is vital to specify that severe forming will be encountered and optimum heat treatments are required.

For substations, inside radii of five to seven times the nominal pipe size for ASA schedules 40 and 80 pipe of 6063-T6 and 6061-T6 alloys should produce satisfactory results with conventional bending tools.

### Flatwise Bends for Rectangular Bus

| Type of Bar | Alloy and Temper | Thickness in. | Radius min.[1] |
|---|---|---|---|
| Extruded | 6101-T6 | 0.125-0.375 | 2 x thickness |
| Extruded | 6101-T6 | 0.376-0.500 | 2 1/2 x thickness |
| Extruded | 6101-T61 | 0.125-0.500 | 1 x thickness |
| Extruded | 6101-T61 | 0.501-0.749 | 2 x thickness |
| Extruded | 6101-T61 | 0.750-1.000 | 3 x thickness |
| Extruded | 6101-T61 | 1.001-1.625 | 4 x thickness |
| Extruded | 6101-T63 | 0.125-0.375 | 1 x thickness |
| Extruded | 6101-T63 | 0.376-0.500 | 1 1/2 x thickness |
| Extruded | 6101-T63 | 0.501-1.000 | 2 1/2 x thickness |
| Extruded | 6101-T64 | 0.125-0.750 | 1 x thickness |
| Extruded | 6101-T64 | 0.751-1.00 | 2 1/2 x thickness |
| Extruded | 6101-T65 | 0.125-0.500 | 1 x thickness |
| Extruded | 6101-T65 | 0.501-0.749 | 2 x thickness |

1. Applicable to widths up through 6 inches in the T6, T61, T63 and T65 tempers and to widths up through 12 inches for all other listed tempers. Blend radii for greater widths are subject to inquiry.



© 2011, AFL, all rights reserved. PP-3-00213, Revision 6, 5.14.2026
Specifications are subject to change without notice.

# Deflection Values of Schedule 40 Aluminum Pipe

| Conditions | Nominal Pipe Size in. | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
|---|---|---|---|---|---|---|---|---|---|---|
| Bare | 1 | 0.15 | 0.76 | 2.39 | | | | | | |
| | 1 1/4 | 0.09 | 0.46 | 1.45 | 3.55 | | | | | |
| | 1 1/2 | 0.07 | 0.35 | 1.09 | 2.67 | | | | | |
| | 2 | 0.04 | 0.21 | 0.68 | 1.65 | 3.46 | | | | |
| | 2 1/2 | 0.03 | 0.15 | 0.47 | 1.15 | 2.38 | 4.22 | | | |
| | 3 | 0.02 | 0.10 | 0.31 | 0.76 | 1.58 | 2.93 | 5.00 | | |
| | 3 1/2 | 0.02 | 0.08 | 0.24 | 0.58 | 1.20 | 2.21 | 3.78 | 6.07 | |
| | 4 | 0.01 | 0.06 | 0.19 | 0.45 | 0.94 | 1.74 | 2.96 | 4.76 | 7.26 |
| | 5 | 0.01 | 0.04 | 0.12 | 0.29 | 0.61 | 1.12 | 1.91 | 3.08 | 4.69 |
| | 6 | 0.01 | 0.03 | 0.08 | 0.20 | 0.42 | 0.79 | 1.34 | 2.15 | 3.28 |
| 1/2 in. ice | 1 | 0.43 | 2.20 | 6.96 | | | | | | |
| | 1 1/4 | 0.24 | 1.23 | 3.89 | 9.62 | | | | | |
| | 1 1/2 | 0.17 | 0.88 | 2.80 | 6.83 | | | | | |
| | 2 | 0.10 | 0.52 | 1.63 | 4.00 | 8.36 | | | | |
| | 2 1/2 | 0.06 | 0.30 | 0.96 | 2.30 | 4.89 | 9.05 | | | |
| | 3 | 0.04 | 0.19 | 0.60 | 1.47 | 3.06 | 5.72 | 9.75 | | |
| | 3 1/2 | 0.03 | 0.14 | 0.44 | 1.08 | 2.24 | 4.16 | 7.16 | 11.46 | |
| | 4 | 0.02 | 0.11 | 0.34 | 0.83 | 1.71 | 3.17 | 5.42 | 8.73 | 13.31 |
| | 5 | 0.01 | 0.07 | 0.21 | 0.51 | 1.05 | 1.95 | 3.34 | 5.37 | 8.19 |
| | 6 | 0.01 | 0.04 | 0.14 | 0.34 | 0.71 | 1.32 | 2.25 | 3.60 | 5.49 |
| 1/2 in. ice 4 lb Wind Plus Constant | 1 | 0.56 | 2.85 | 9.02 | | | | | | |
| | 1 1/4 | 0.30 | 1.53 | 4.84 | 11.81 | | | | | |
| | 1 1/2 | 0.21 | 1.08 | 3.40 | 8.30 | | | | | |
| | 2 | 0.12 | 0.61 | 1.93 | 4.70 | 9.75 | | | | |
| | 2 1/2 | 0.07 | 0.34 | 1.09 | 2.65 | 5.49 | 10.17 | | | |
| | 3 | 0.04 | 0.21 | 0.67 | 1.64 | 3.40 | 6.30 | 10.76 | | |
| | 3 1/2 | 0.03 | 0.15 | 0.49 | 1.19 | 2.47 | 4.58 | 7.81 | 12.51 | |
| | 4 | 0.02 | 0.12 | 0.37 | 0.90 | 1.86 | 3.45 | 5.89 | 9.43 | 14.38 |
| | 5 | 0.01 | 0.07 | 0.22 | 0.55 | 1.13 | 2.10 | 3.57 | 5.72 | 8.72 |
| | 6 | 0.01 | 0.05 | 0.15 | 0.36 | 0.75 | 1.39 | 2.37 | 3.80 | 5.79 |
| 1 in. ice | 1 | 0.88 | 4.44 | 14.03 | | | | | | |
| | 1 1/4 | 0.47 | 2.37 | 7.47 | 18.49 | | | | | |
| | 1 1/2 | 0.34 | 1.69 | 5.35 | 13.07 | | | | | |
| | 2 | 0.18 | 0.92 | 2.91 | 7.09 | 14.95 | | | | |
| | 2 1/2 | 0.10 | 0.50 | 1.59 | 3.87 | 8.03 | 15.06 | | | |
| | 3 | 0.06 | 0.31 | 0.97 | 2.37 | 4.91 | 9.20 | 15.69 | | |
| | 3 1/2 | 0.04 | 0.22 | 0.70 | 1.70 | 3.53 | 6.53 | 11.14 | 18.06 | |
| | 4 | 0.03 | 0.16 | 0.52 | 1.27 | 2.63 | 4.88 | 8.32 | 13.49 | 20.56 |
| | 5 | 0.02 | 0.10 | 0.31 | 0.76 | 1.57 | 2.91 | 4.97 | 8.05 | 11.74 |
| | 6 | 0.01 | 0.06 | 0.21 | 0.50 | 1.04 | 1.92 | 3.28 | 5.26 | 8.02 |

**Notes:**

1. These are maximum deflection values in inches for a simple beam with uniformly distributed load. For beams fixed at both ends, the deflection will be one-fifth of the values given.
2. Deflection d1 for any other span L1 may be obtained from the relation: d1=d L14/L4

© 2011, AFL, all rights reserved. PP-3-00213, Revision 6, 5.14.2026
Specifications are subject to change without notice.

# Deflection Values of Schedule 80 Aluminum Pipe

| Conditions | Nominal Pipe Size in. | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
|---|---|---|---|---|---|---|---|---|---|---|
| Bare | 1 | 0.16 | 0.81 | 2.56 | | | | | | |
| | 1 1/4 | 0.10 | 0.49 | 1.54 | 3.77 | | | | | |
| | 1 1/2 | 0.07 | 0.36 | 1.15 | 2.82 | | | | | |
| | 2 | 0.04 | 0.23 | 0.72 | 1.76 | 3.65 | 6.76 | | | |
| | 2 1/2 | 0.03 | 0.16 | 0.49 | 1.21 | 2.50 | 4.64 | 7.92 | | |
| | 3 | 0.02 | 0.10 | 0.33 | 0.80 | 1.66 | 3.08 | 5.25 | 8.40 | |
| | 3 1/2 | 0.01 | 0.08 | 0.25 | 0.60 | 1.25 | 2.32 | 3.97 | 6.36 | 9.69 |
| | 4 | 0.01 | 0.06 | 0.19 | 0.47 | 0.98 | 1.82 | 3.11 | 4.98 | 7.58 |
| | 5 | 0.01 | 0.04 | 0.12 | 0.31 | 0.63 | 1.17 | 2.01 | 3.21 | 4.89 |
| | 6 | 0.01 | 0.03 | 0.09 | 0.21 | 0.44 | 0.82 | 1.40 | 2.25 | 3.43 |
| 1/2 in. ice | 1 | 0.40 | 2.01 | 6.34 | | | | | | |
| | 1 1/4 | 0.22 | 1.11 | 3.51 | 8.65 | | | | | |
| | 1 1/2 | 0.16 | 0.79 | 2.51 | 6.12 | | | | | |
| | 2 | 0.09 | 0.46 | 1.45 | 3.54 | 7.40 | 13.72 | | | |
| | 2 1/2 | 0.05 | 0.28 | 0.88 | 2.15 | 4.46 | 8.33 | 14.20 | | |
| | 3 | 0.03 | 0.17 | 0.55 | 1.35 | 2.80 | 5.23 | 8.93 | 14.30 | |
| | 3 1/2 | 0.02 | 0.13 | 0.40 | 0.99 | 2.05 | 3.80 | 6.50 | 10.47 | 15.96 |
| | 4 | 0.02 | 0.10 | 0.31 | 0.75 | 1.56 | 2.89 | 4.95 | 7.96 | 12.14 |
| | 5 | 0.01 | 0.06 | 0.20 | 0.49 | 1.01 | 1.88 | 3.20 | 5.13 | 7.81 |
| | 6 | 0.01 | 0.04 | 0.13 | 0.32 | 0.67 | 1.24 | 2.11 | 3.38 | 5.15 |
| 1/2 in. ice 4 lb Wind Plus Constant | 1 | 0.50 | 2.53 | 7.99 | | | | | | |
| | 1 1/4 | 0.27 | 1.34 | 4.24 | 10.36 | | | | | |
| | 1 1/2 | 0.94 | 2.97 | 7.24 | | | | | | |
| | 2 | 0.10 | 0.53 | 1.66 | 4.06 | 8.42 | 15.60 | | | |
| | 2 1/2 | 0.06 | 0.31 | 0.98 | 2.39 | 4.95 | 9.17 | 15.65 | | |
| | 3 | 0.04 | 0.19 | 0.60 | 1.47 | 3.06 | 5.66 | | | |
| | 3 1/2 | 0.03 | 0.14 | 0.44 | 1.07 | 2.21 | 4.10 | 7.00 | 11.21 | 17.08 |
| | 4 | 0.02 | 0.10 | 0.33 | 0.81 | 1.67 | 3.09 | 5.28 | 8.45 | 12.88 |
| | 5 | 0.01 | 0.06 | 0.20 | 0.49 | 1.01 | 1.88 | 3.20 | 5.13 | 7.81 |
| | 6 | 0.01 | 0.04 | 0.13 | 0.32 | 0.67 | 1.24 | 2.11 | 3.38 | 5.15 |
| 1 in. ice | 1 | 0.76 | 3.86 | 12.21 | | | | | | |
| | 1 1/4 | 0.40 | 2.02 | 6.39 | 15.80 | | | | | |
| | 1 1/2 | 0.28 | 1.40 | 4.42 | 10.79 | | | | | |
| | 2 | 0.15 | 0.77 | 2.43 | 5.94 | 12.46 | 23.09 | | | |
| | 2 1/2 | 0.09 | 0.44 | 1.38 | 3.37 | 6.99 | 13.10 | 22.34 | | |
| | 3 | 0.05 | 0.26 | 0.84 | 2.04 | 4.24 | 7.93 | 13.53 | 21.67 | |
| | 3 1/2 | 0.04 | 0.19 | 0.60 | 1.46 | 3.03 | 5.61 | 9.60 | 15.52 | 23.65 |
| | 4 | 0.03 | 0.14 | 0.45 | 1.09 | 2.26 | 4.19 | 7.16 | 11.54 | 17.59 |
| | 5 | 0.02 | 0.08 | 0.26 | 0.65 | 1.34 | 2.48 | 4.25 | 6.85 | 10.44 |
| | 6 | 0.01 | 0.05 | 0.17 | 0.42 | 0.87 | 1.61 | 2.75 | 4.41 | 6.72 |

**Notes:**

1. These are maximum deflection values in inches for a simple beam with uniformly distributed load. For beams fixed at both ends, the deflection will be one-fifth of the values given.
2. Deflection d1 for any other span L1 may be obtained from the relation: $d1=d\ L1^4/L^4$

© 2011, AFL, all rights reserved. PP-3-00213, Revision 6, 5.14.2026
Specifications are subject to change without notice.

# Welding Aluminum Bus to Aluminum Connectors



Welding of aluminum in electrical construction offers a superior and economical means of joining conductors. Electric arc welding using an inert gas shield produces mechanically and electrically sound joints requiring no flux or special surface preparation other than the cleaning of the surface to be welded.

A welded connection that is mechanically satisfactory is also electrically satisfactory. With welded connections, there is an essentially homogeneous union that gives a permanent stable connection. It is not necessary to try to produce a connection with the same resistance as bus itself in order to have a stable permanent joint.

There are bus connectors where it is important to insure a resistance ratio of unity with the conductor itself. Small differences in resistance can affect the current distribution in some bus systems. Some bus systems require equalization bars. Welded connections are an ideal solution to both problems. Such connections can be made by following procedures outlined in The American Welding Society Handbook “Welding Aluminum.”

© 2011, AFL, all rights reserved. PP-3-00213, Revision 6, 5.14.2026
Specifications are subject to change without notice.

# General Welding Specifications for Tubular Aluminum Bus Conductor

The following items cover key points that should be included in specifications for welding aluminum bus conductors. It is recommended that the references be reviewed in the preparation of proprietary welding specifications.

1. The welding process and all welding operators should be qualified in accordance with the Aluminum Association, "Aluminum Construction Manual" Section 7.2.4 "Qualification of Welding Procedure and Welding."
2. All Joints to be welded should be free of moisture and hydrocarbon. Moisture can be removed thermally, but the temperature applied should not exceed 250°F (121°C). Degreasing should be done with a non-toxic solvent so as to leave a minimum of residual on the parts. Sufficient time must be allowed for evaporation of the solvent prior to welding. Wire brushing with a stainless steel wire brush should be employed after solvent cleaning to remove thick heat-treat oxide films, water stains, etc., to permit optimum fusion and soundness of the weld.
3. All welds should be made by the gas metal-arc (MIG) or the gas tungsten-arc (TIG) welding process. Reversed polarity direct current should be used for MIG welding, whereas alternating current should be used for TIG welding. The shielding gas should be welding grade Argon, Helium, or a mixture of the two. Filler alloy 4043 should be used.
4. The working area should be substantially draft free and should be protected from atmospheric contamination.
5. All connections should be checked before, during and after the weld is made. Before the weld is begun, visually inspect the connection to determine proper edge preparation and alignment. During the weld, maintain a smooth and continuous flow of metal into the joint and maintain a constant current setting on the welding station. When several passes are to be made, check the previous pass before laying down the next one to enable detection of poor fusion or cracks. Defective areas should be removed with a dry chisel prior to application of subsequent weld passes. After the weld has been complete, it should be visually inspected again for quality and to insure the weld bead is of the correct size. The cross sectional area of the weld should not be less than that of the smallest member being joined.
6. Members being joined should be tack welded in place to prevent misalignment during the welding process.

© 2011, AFL, all rights reserved. PP-3-00213, Revision 6, 5.14.2026
Specifications are subject to change without notice.

AFL
AFLglobal.com
1 (800) 890-8878

© 2011, AFL, all rights reserved. PP-3-00213, Revision 6, 5.14.2026
Specifications are subject to change without notice.

# Table of Contents

## Bus Dampers

Bus Dampers Table of Contents . . . . . 679
Bus Vibration. . . . . 681
Universal Angle Bus Conductor (UABC) . . . . . 682
Integral Web Bus Conductor (IWBC). . . . . 682
Damper Spacing—Rigid Bus . . . . . 682
Recommended Sizes of ACSR to be Inserted in Tubular Bus
to Prevent Vibration . . . . . 684
Type 1706 Series Bus Vibration Dampers . . . . . 685
Bus Vibration Dampers—Tube. . . . . 686
External Bus Vibration Damper for Tubular Bus. . . . . 687
Bus Vibration Test Data . . . . . 688

© 2011, AFL, all rights reserved. PP-3-00259, Revision 8, 5.14.2026
Specifications are subject to change without notice.



AFL | AFLglobal.com
1 (800) 890-8878

© 2011, AFL, all rights reserved. PP-3-00259, Revision 8, 5.14.2026
Specifications are subject to change without notice.

# Bus Vibration

Bus vibration is caused by a low steady wind blowing across the bus at approximately right angles to the span. Under certain low velocity wind conditions, eddies will break off alternately from the top and bottom surfaces causing the bus to vibrate in a vertical plane. The bus will vibrate at its natural frequency provided that this frequency is within the range that can be excited by the wind. All shapes of bus will vibrate provided the following conditions are present: 1) suitable winds are present, 2) span lengths are long enough to vibrate and 3) support losses are less than input by wind.

Winds causing vibration are low steady winds under 15 mph; winds over 15 mph are generally too gusty to induce vibration. A span that is "sheltered" from the wind not be as prone to vibrate as an exposed span. This shelter can be caused by trees around the station, equipment in the station or by the location of the station such as being in a valley.

Long spans are more prone to vibrate than short spans. In fact, a long span can have one, two or three (in the case of extremely long spans). A loop of vibration is the portion of a vibrating body between two node points. The "node" being the point of a vibrating body that is free of vibration (a support would be a node point). Size of the bus tube increases span length that will be free of vibration, however, whether a bus tube is Schedule 40 or Schedule 80 has relatively little effect with respect to determining if a span will vibrate or not. See tables "Maximum Vibration-Free Span Lengths" for maximum bus length that will require no vibration protection.

The support losses are an indeterminable factor which depends on support type, insulator type, structure flexibility and other related factors. In some substations the losses are high enough to provide adequate damping but in other stations the support losses are less and the bus vibrates.

In general, we can only say that a span greater than some minimum length can vibrate, not that it will vibrate (see table "Maximum Vibration-Free Span Lengths"). There are too many variables involved to definitely state that a given span will vibrate. However, due to the fact of its length it has the potential to vibrate.

Bus vibration protection in the past has been by the method of inserting "scrap" conductor in the bus but in recent years the use of bus dampers has found increasing use of vibration protection. When the specific size of conductor is not used by a utility and has to be ordered, it is no longer "scrap" and becomes costly, particularly in the short lengths required for damping purposes. When the cost of installation is added to the purchase cost, the total cost of inserted cable becomes expensive. For this reason, the use of dampers is increasing. Dampers also have the advantage of being able to be installed in an existing station where vibration problems have occurred.

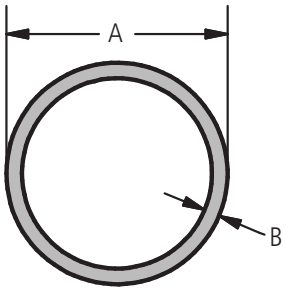
The following tables are supplied for bus vibration references:

1. Maximum vibration - free span length – Tubular Bus
2. Maximum vibration - free span length – UABC
3. Maximum vibration – free span length – IWCB
4. Damper spacing – Rigid Bus
5. Recommended sizes of ACSR to be inserted in Tubular Bus to prevent vibration

© 2011, AFL, all rights reserved. PP-3-00259, Revision 8, 5.14.2026
Specifications are subject to change without notice.

AFL
AFLglobal.com
1 (800) 890-8878

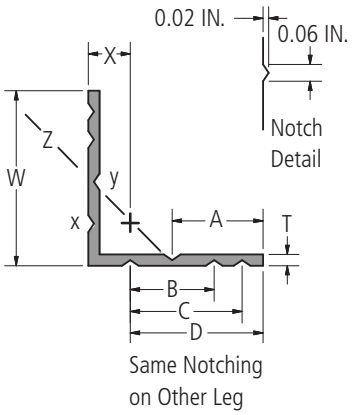
| Nominal Pipe Size | Maximum Safe Span Length |
|---|---|
| 1 | 5′ - 0″ |
| 1-1/4 | 6′ - 3″ |
| 1-1/2 | 7′ - 0″ |
| 2 | 9′- 0″ |
| 2-1/2 | 10′- 9″ |
| 3 | 13′ -3″ |
| 3-1/2 | 15′- 3″ |
| 4 | 17′-0″ |
| 4-1/2 | 19′-0″ |
| 5 | 21′-3″ |
| 6 | 25′-3″ |




**Notes:**
1. Lengths based on loop of vibration
2. Lengths apply to both Schedule 40 and Schedule 80 tubular bus.
3. Lengths can be increased approximately 20% with reasonable certainty that there will be no vibration.

## Universal Angle Bus Conductor (UABC)

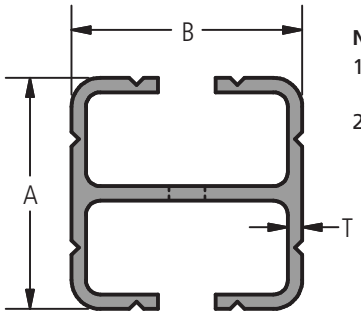
| UABC Size | Maximum Safe Span Length |
|---|---|
| 3 -14 x 3 -1/4 x 1/4 | 12′- 0″ |
| 4 x 4 x 1/4 | 15′- 0″ |
| 4 x 4 x 3/8 | 14′- 9″ |
| 4 - ½ x 4 - 1/2 x 3/8 | 16′ - 9″ |
| 5 x 5 x 3/8 | 18′ - 6″ |




**Notes:**
1. Lengths based on one loop of vibration
2. Lengths can be increased approximately 20% with reasonable certainty that will be no vibration.
3. Does not apply for double angles in back-to-back configurations

## Integral Web Bus Conductor (IWBC)

| UABC Size | Maximum Safe Span Length |
|---|---|
| 3 -14 x 3 -1/4 x 1/4 | 12′- 0″ |
| 4 x 4 x 1/4 | 15′- 0″ |
| 4 x 4 x 3/8 | 14′- 9″ |
| 4 - ½ x 4 - 1/2 x 3/8 | 16′ - 9″ |
| 5 x 5 x 3/8 | 18′ - 6″ |




**Notes:**
1. Lengths based on one loop of vibration
2. Lengths can be increased approximately 20% with reasonable certainty that will be no vibration.

© 2011, AFL, all rights reserved. PP-3-00259, Revision 8, 5.14.2026
Specifications are subject to change without notice.

# Damper Spacing—Rigid Bus

| Span | Spacing | Span | Spacing | Span | Spacing | Span | Spacing |
|---|---|---|---|---|---|---|---|
| 15′ - 0 | 7′ - 0 | 26′ - 6 | 10′ - 10 | 38′ - 0 | 14′ - 8 | 49′ - 6 | 18′ - 6 |
| 15′ - 6 | 7′ - 2 | 27′ - 0 | 11′ - 0 | 38′ - 6 | 14′ - 10 | 50′ - 0 | 18′ - 8 |
| 16′ - 0 | 7′ - 4 | 27′ - 6 | 11′ - 2 | 39′ - 0 | 15′ - 0 | 50′ - 6 | 18′ - 10 |
| 16′ - 6 | 7′ - 6 | 28′ - 0 | 11′ - 4 | 39′ - 6 | 15′ - 2 | 51′ - 0 | 19′ - 0 |
| 17′ - 0 | 7′ - 8 | 28′ - 6 | 11′ - 6 | 40′ - 0 | 15′ - 4 | 51′ - 6 | 19′ - 2 |
| 17′ - 6 | 7′ - 10 | 29′ - 0 | 11′ - 8 | 40′ - 6 | 15′ - 6 | 52′ - 0 | 19′ - 4 |
| 18′ - 0 | 8′ - 0 | 29′ - 6 | 11′ - 10 | 41′ - 0 | 15′ - 8 | 52′ - 6 | 19′ - 6 |
| 18′ - 6 | 8′ - 2 | 30′ - 0 | 12′ - 0 | 41′ - 6 | 15′ - 10 | 53′ - 0 | 19′ - 8 |
| 19′ - 0 | 8′ - 4 | 30′ - 6 | 12′ - 2 | 42′ - 0 | 16′ - 0 | 53′ - 6 | 19′ - 10 |
| 19′ - 6 | 8 ′ - 6 | 31′ - 0 | 12′ - 4 | 42′ - 6 | 16′ - 2 | 54′ - 0 | 20′ - 0 |
| 20′ - 0 | 8′ - 8 | 31′ - 6 | 12′ - 6 | 43′ - 0 | 16′ - 4 | 54′ - 6 | 20′ - 2 |
| 20′ - 6 | 8′ -10 | 32′ - 0 | 12′ - 8 | 43′ - 6 | 16′ - 6 | 55′ - 0 | 20′ - 4 |
| 21′ - 0 | 9′ - 0 | 32′ - 6 | 12′ - 10 | 44′ - 0 | 16′ - 8 | 55′ - 6 | 20′ - 6 |
| 21′ - 6 | 9′ - 2 | 33′ - 0 | 13′ - 0 | 44′ - 6 | 16′ - 10 | 56′ - 0 | 20′ - 8 |
| 22′ - 0 | 9′ - 4 | 33′ - 6 | 13′ - 2 | 45′ - 0 | 17′ - 0 | 56′ - 6 | 20′ - 10 |
| 22′ - 6 | 9′ - 6 | 34′ - 0 | 13′ - 4 | 45′ - 6 | 17′ - 2 | 57′ - 0 | 21′ - 0 |
| 23′ - 0 | 9′ - 8 | 34′ - 6 | 13′ - 6 | 46′ - 0 | 17′ - 4 | 57′ - 6 | 21′ - 2 |
| 23′ - 6 | 9′ - 10 | 35′ - 0 | 13′ - 8 | 46′ - 6 | 17′ - 6 | 58′ - 0 | 21′ - 4 |
| 24′ - 0 | 10′ - 0 | 35′ - 6 | 13′ - 10 | 47′ - 0 | 17′ - 8 | 58′ - 6 | 21′ - 6 |
| 24′ - 6 | 10′ -2 | 36′ - 0 | 14′ - 0 | 47′ - 6 | 17′ - 10 | 59′ - 0 | 21′ - 8 |
| 25′ - 0 | 10′ - 4 | 36′ - 6 | 14′ - 2 | 48′ - 0 | 18′ - 0 | 59′ - 6 | 21′ - 10 |
| 25′ - 6 | 10′ - 6 | 37′ - 0 | 14′ - 4 | 48′ - 6 | 18′ - 2 | 60′ - 0 | 22′ - 0 |
| 26′ - 0 | 10′ - 8 | 37′ - 6 | 14′ - 6 | 49′ - 0 | 18′ - 4 | – | – |

**Notes:**

1. Spacing based on 1/3 span length plus two feet
2. Damper may be located at either end of the span

© 2011, AFL, all rights reserved. PP-3-00259, Revision 8, 5.14.2026
Specifications are subject to change without notice.

# Recommended Sizes of ACSR to be Inserted in Tubular Bus to Prevent Vibration

| Nominal Bus Size in. | Recommended Min. Size of ACSR cm |
|---|---|
| 2 | 266,800 |
| 2 - 1/2 | 266,800 |
| 3 | 266,800 |
| 3 - 1/2 | 397,500 |
| 4 | 795,000 |
| 5 | 1,431,000 |
| 6 | 1,590,000 |

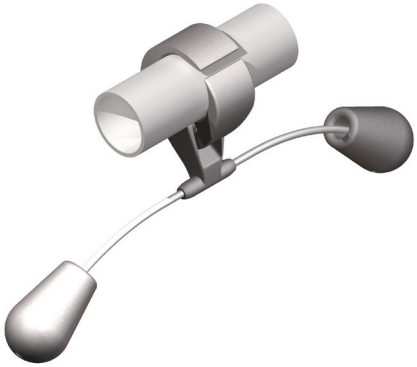
**Notes:**
1. ACSR should have a multi-strand core
2. Based on no energy absorption by supports

© 2011, AFL, all rights reserved. PP-3-00259, Revision 8, 5.14.2026
Specifications are subject to change without notice.

# TYPE 1706 SERIES Bus Vibration Dampers

Tubular bus dampers are designed to control Aeolian or wind-induced vibration in long bus spans; the dampers have been proven both in the laboratory and in field service to be the most effective method of controlling tubular bus vibration. The dampers are faster and easier to install than the old method of inserting "scrap" cable into the tubular bus runs. Also, the dampers find applications for correcting a vibration problems in existing substations.

Determine catalog number based on the bus conductor size being used. To order a bus vibration damper for 2 1/2" bus conductor, the complete catalog number is 1706-288.



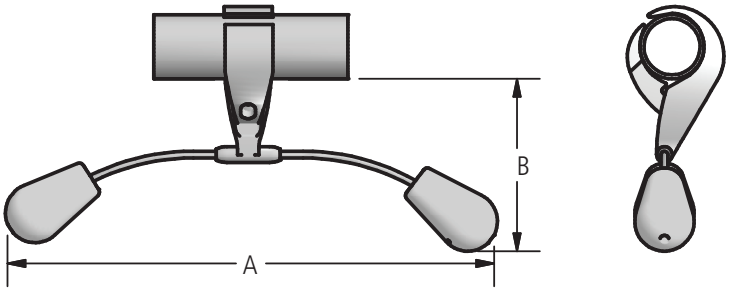



FIG. 1

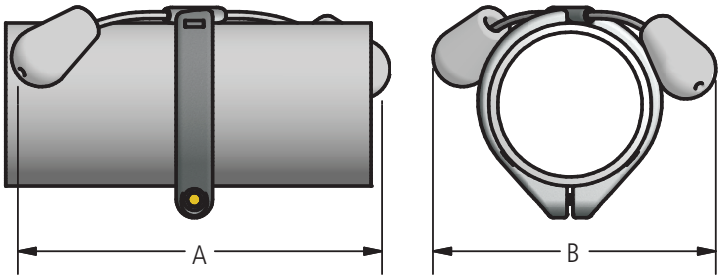



FIG. 2

## Ordering Information

| Catalog Number | SPS | Fig. No. | Dimensions in inches | | |
|---|---|---|---|---|---|
| | | | A | B | Bolt Size |
| 1706-190 | 1-1/2 | 1 | 29.5 | 9.9 | 5/8-11 |
| 1706-238 | 2 | 1 | 29.5 | 9.9 | 5/8-11 |
| 1706-288 | 2-1/2 | 1 | 29.6 | 10.2 | 5/8-11 |
| 1706-350 | 3 | 1 | 29.6 | 10.3 | 3/4-10 |
| 1706-008 | 3 | 2 | 28.0 | 12.6 | 1/2-13 |
| 1706-009 | 3-1/2 | 2 | 27.8 | 13.2 | 1/2-13 |
| 1706-010 | 4 | 2 | 27.6 | 13.6 | 1/2-13 |
| 1706-012 | 5 | 2 | 26.8 | 15.4 | 1/2-13 |
| 1706-013 | 6 | 2 | 26.2 | 17.8 | 1/2-13 |
| 1706-014 | 8 O.D. | 2 | 24.8 | 18.6 | 1/2-13 |

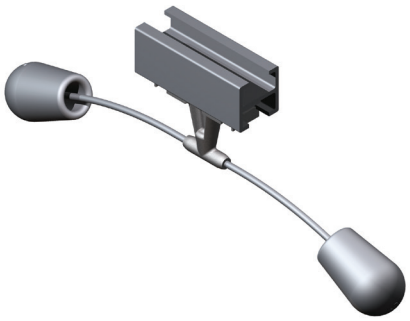
AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

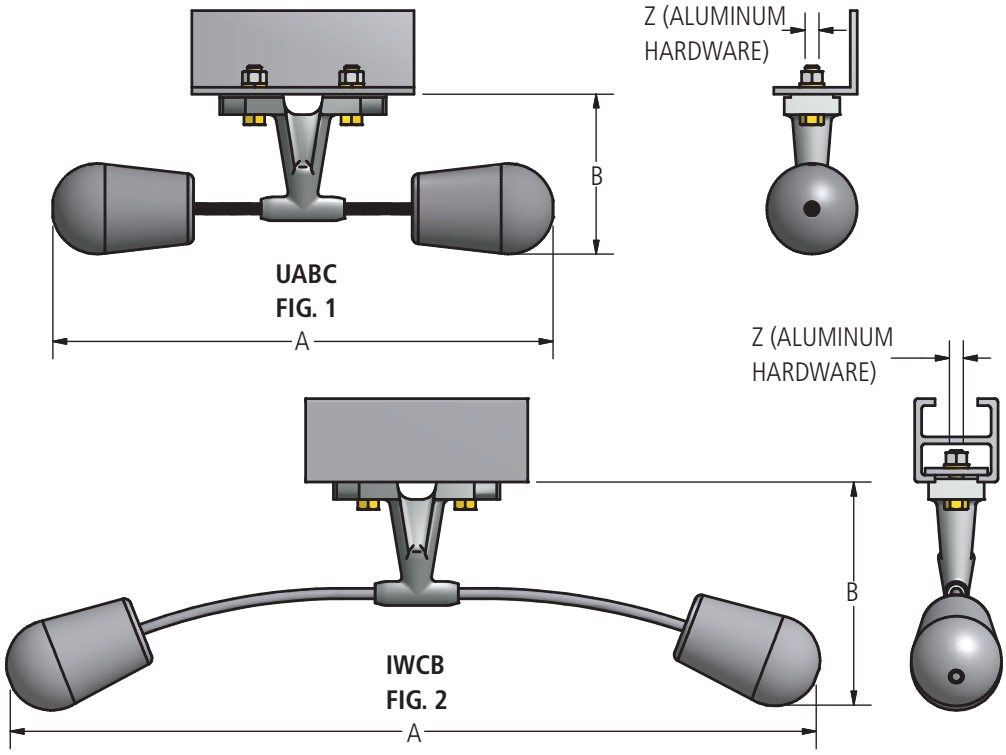
© 2011, AFL, all rights reserved. PP-3-00259, Revision 8, 5.14.2026
Specifications are subject to change without notice.

# TYPE 1706 Bus Vibration Dampers

Vibration dampers for universal angle bus conductor (UABC) and integral web channel bus conductor (IWCB) are specifically designed to control Aeolian or wind-induced vibration in long bus spans. The dampers provide a fast, economical method of damping vibration. Installation is easy; the IWCB damper clamps to the bus by means of a bolt and clamp nut while the UABC damper bolts directly to the bus.

Determine catalog number based on the bus conductor size being used. Ex: A bus vibration damper for 4"x4" IWCB, the complete catalog number is: 1706-129.






## Ordering Information

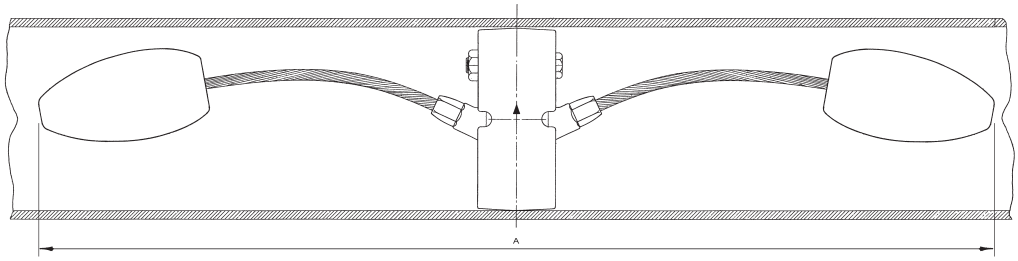
| Conductor Size in. | Fig. No. | Catalog Number | Dimensions in inches | | |
|---|---|---|---|---|---|
| | | | A | B | Bolt Size |
| 3-1/4 x 3-1/4 Thru 5 x 5 UABC | 1 | 1706-123 | 15.5 | 5.7 | 1/2-13 |
| 4 x 4 Thru 9 x 9 IWCB | 2 | 1706-129 | 29 | 10.1 | 1/2-13 |

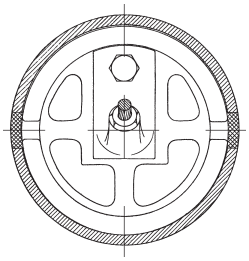
AFL's Dossert® product line offers a wide range of substation accessories in low voltage up to 765 kV applications in bronze or aluminum materials.

© 2011, AFL, all rights reserved. PP-3-00259, Revision 8, 5.14.2026
Specifications are subject to change without notice.

# Bus Vibration Dampers—Tube

### Internal, Welded 345 kV, 500 kV and 765 kV

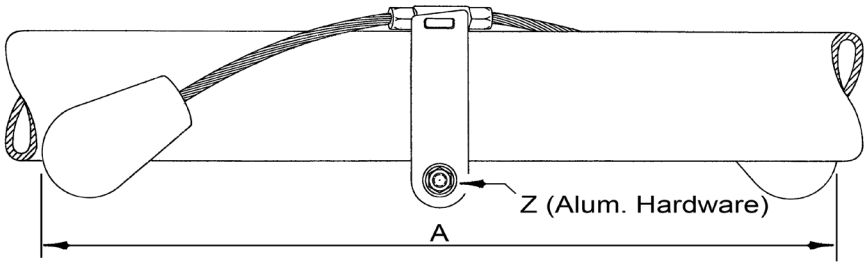


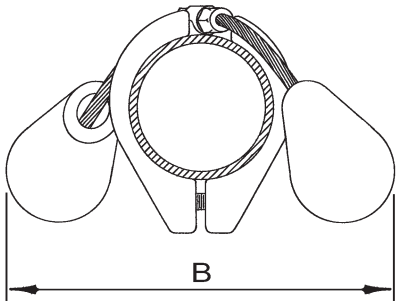



Internal damper is designed to be corona-free up to 765 kV service. Damper is designed to be welded inside bus, to be corona-free, and to present a "clean" appearance to the substation.

| Conductor Size | Catalog Number | Dimensions A | | Nominal Weight Aluminum | | Nominal Weight Total | |
|---|---|---|---|---|---|---|---|
| | | in. | mm | lb | kg | lb | kg |
| 5" SPS | 1705-504 | 36.88 | 937 | 2.7 | 1.22 | 13.3 | 6.03 |
| 6" EHPS | 1705-576 | 35.25 | 895 | 3.3 | 1.50 | 14.0 | 6.35 |
| 6" SPS | 1705-607 | 35.25 | 895 | 4.0 | 1.81 | 14.7 | 6.67 |
| 8" EHPS | 1705-762 | 36.88 | 937 | 3.3 | 1.50 | 13.9 | 6.30 |
| 8" SPS | 1705-798 | 36.88 | 937 | 3.4 | 1.54 | 14.0 | 6.35 |
| 8" O.D. x 1/2 wall | 1705-700 | 36.88 | 937 | 3.2 | 1.45 | 13.8 | 6.26 |
| 8" O.D. x 3/8 wall | 1705-725 | 36.88 | 937 | 3.2 | 1.45 | 13.8 | 6.26 |

### External, Bolted 345 kV or 500 kV




External damper is designed to be corona-free for 345 kV or 500 kV service as noted in table. Damper is designed to be bolted to outside of tube. Damper can be installed during construction or at a later time to correct vibration problems not originally anticipated.

| Conductor Size SPS & EHPS | Catalog Number | Dimensions A | | Dimensions B | | Dimensions Z | Voltage Rating | Nominal Weight Aluminum | | Nominal Weight Total | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | in. | mm | in. | mm | | | lb | kg | lb | kg |
| 3" | 1706-008 EHV | 28.0 | 711 | 12.6 | 320 | 1/2 - 13 | 345 kV | 1.9 | 0.86 | 15.6 | 7.08 |
| 3-1/2" | 1706-009 EHV | 27.8 | 706 | 13.2 | 335 | 1/2 - 13 | 345 kV | 2.0 | 0.91 | 15.7 | 7.12 |
| 4" | 1706-010 EHV | 27.6 | 701 | 13.6 | 345 | 1/2 - 13 | 345 kV | 2.1 | 0.95 | 15.8 | 7.17 |
| 5" | 1706-012 EHV | 26.8 | 681 | 15.4 | 391 | 1/2 - 13 | 345 kV | 2.5 | 1.13 | 16.2 | 7.35 |
| 6" | 1706-013 EHV | 26.2 | 665 | 17.8 | 452 | 1/2 - 13 | 345 kV | 2.7 | 1.22 | 16.4 | 7.44 |
| 8" O.D. | 1706-014 EHV | 24.8 | 630 | 18.6 | 472 | 1/2 - 13 | 500 kV | 3.9 | 1.77 | 17.6 | 7.98 |

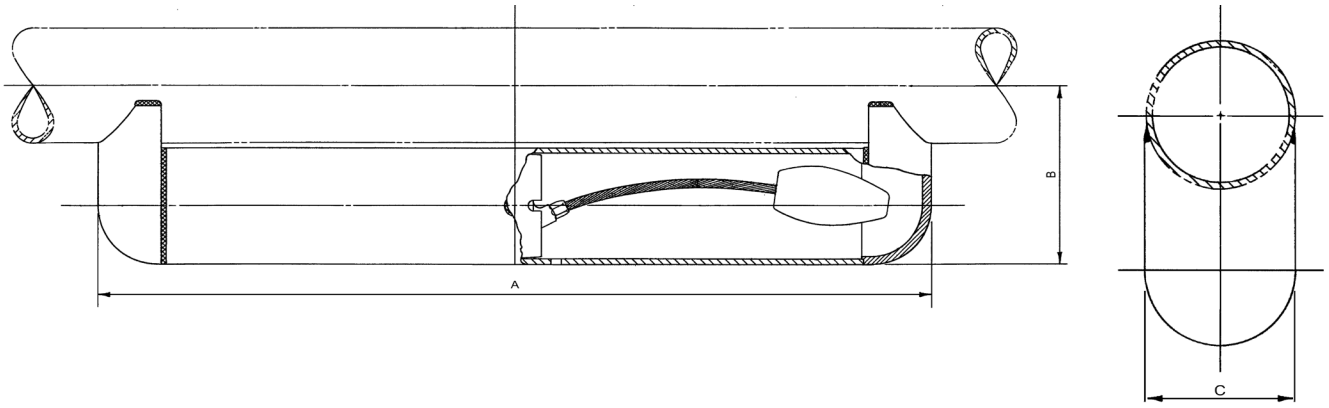
© 2011, AFL, all rights reserved. PP-3-00259, Revision 8, 5.14.2026
Specifications are subject to change without notice.



AFLglobal.com
1 (800) 890-8878

# External Bus Vibration Damper for Tubular Bus

**Recommended for Voltages up to 756 kV**




External damper is designed to be corona-free for 765 kV operation. Damper is designed to be welded to outside of bus in order to correct vibration problems not originally anticipated.

**Ordering Information:** Contact AFL Technical Support for appropriate part number for this application.

| Assembly Dwg. & Letter | Conductor Size | | Dimension | | | | | | Nominal Weight | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Tubular Bus | | A | | B | | C | | Aluminum | | Total | |
| | SPS & EHPS or O.D. | mm (O.D. Ref.) | in. | mm | in. | mm | in. | mm | lb | kg | lb | kg |
| B7384-A | 5″ | 141.3 | 40.0 | 1016 | 8.50 | 216 | 5.56 | 141 | 23.9 | 10.84 | 34.5 | 15.65 |
| B7384-B | 6″ | 168.3 | 40.0 | 1016 | 10.12 | 257 | 6.62 | 168 | 28.9 | 13.11 | 39.5 | 17.92 |
| B7384-C | 8″ O.D. | 203.2 | 40.0 | 1016 | 12.19 | 310 | 8.00 | 203 | 37.4 | 16.96 | 48.0 | 21.77 |

© 2011, AFL, all rights reserved. PP-3-00259, Revision 8, 5.14.2026
Specifications are subject to change without notice.

# Bus Vibration Test Data

Table 1 and Figures 1 thru 3 provide information on test conducted on an outdoor test span on 4,5 and 6 inch NPS.

Figure 1 illustrates the effect of conventional support vs. wire supports on the vibration amplitude of 4 inch tubular bus in a 50 foot span. The supporting arrangement does have some effect on the vibration amplitudes.

The test conducted on the 4 and 5 inch schedule 40 aluminum bus (ref. figures 2 and 3) were conducted on the spans supported by steel wires to eliminate the support "variable" and to provide the severest condition for the bus damper tests. These tests indicate that one Cat. 1706 external bus dampers reduced the vibration amplitude to a level considered safe for the bus.

Tests were conducted at the outdoor vibration lab at Massena and represent values which eliminate such variations such as bus support type, insulator type and structure type. The spans are supported by wire loops at each end and therefore the test conducted on the dampers are extremely severe in relationship to that which would actually be encountered by any substation where there would be structural damping through the insulator supports, etc.

**Table 1**

| NPS Size | Span Length (feet) | Frequency in Cycles Per Second | Amplitude (inches) | |
|---|---|---|---|---|
| | | | Undamped | Damped |
| **One Loop** | | | | |
| 4" Sched 80 | 46 | 1.5 | 4.1 | 0.660 |
| 6" Sched 40 | 68 | 1.1 | 6.5 | 2.100 |
| **Two Loop** | | | | |
| 4" Sched 80 | 46 | 6.1 | 2.0 | 0.045 |
| 6" Sched 40 | 68 | 4.0 | 2.2 | 0.050 |
| **Three Loop** | | | | |
| 4" Sched 80 | 46 | — | — | — |
| 6" Sched 40 | 68 | 10.0 | 0.25 | 0.020 |

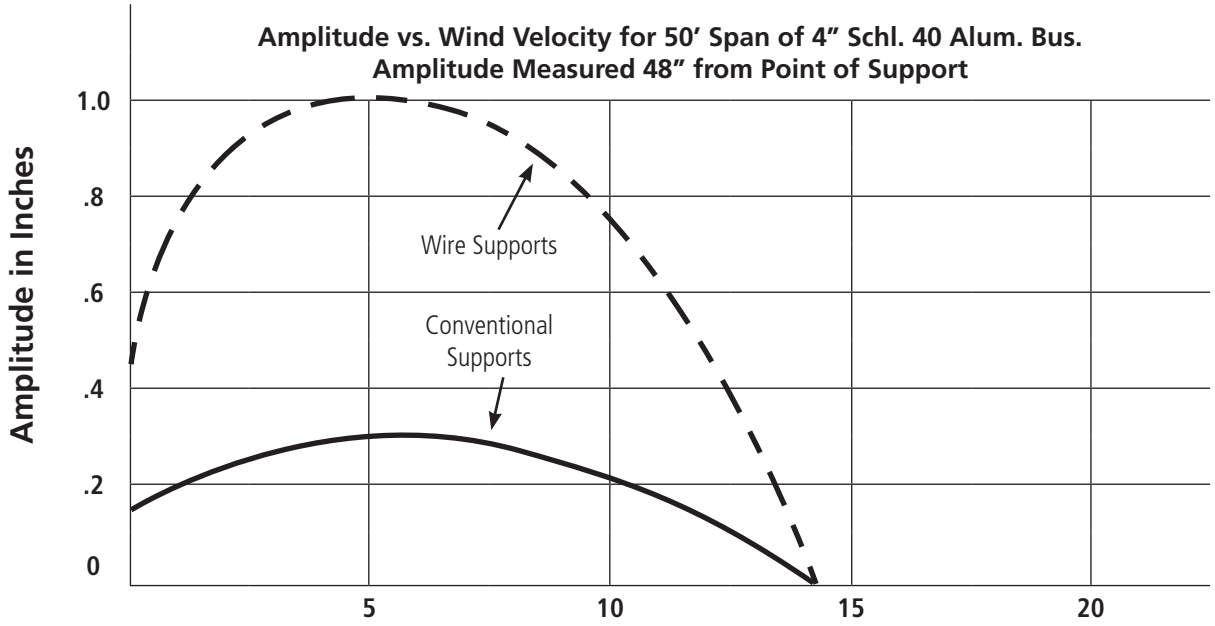



**Figure 1 — Effective Wind Velocity - MPH**

© 2011, AFL, all rights reserved. PP-3-00259, Revision 8, 5.14.2026
Specifications are subject to change without notice.

# Bus Vibration Test Data (cont.)

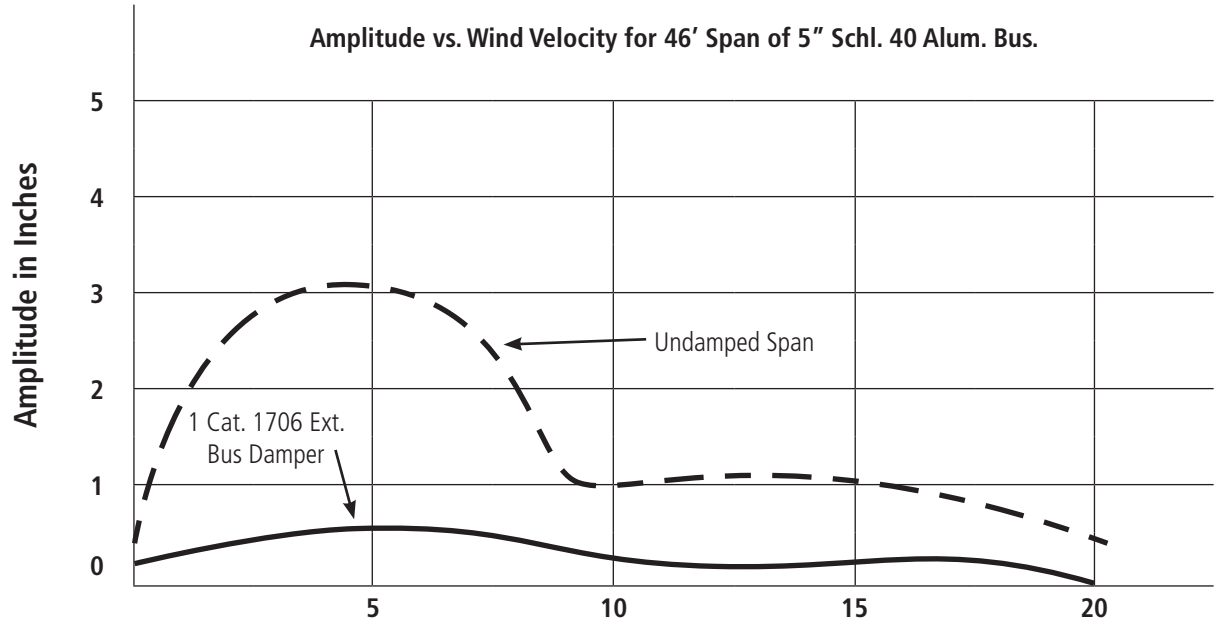



Figure 2 — Effective Wind Velocity - MPH

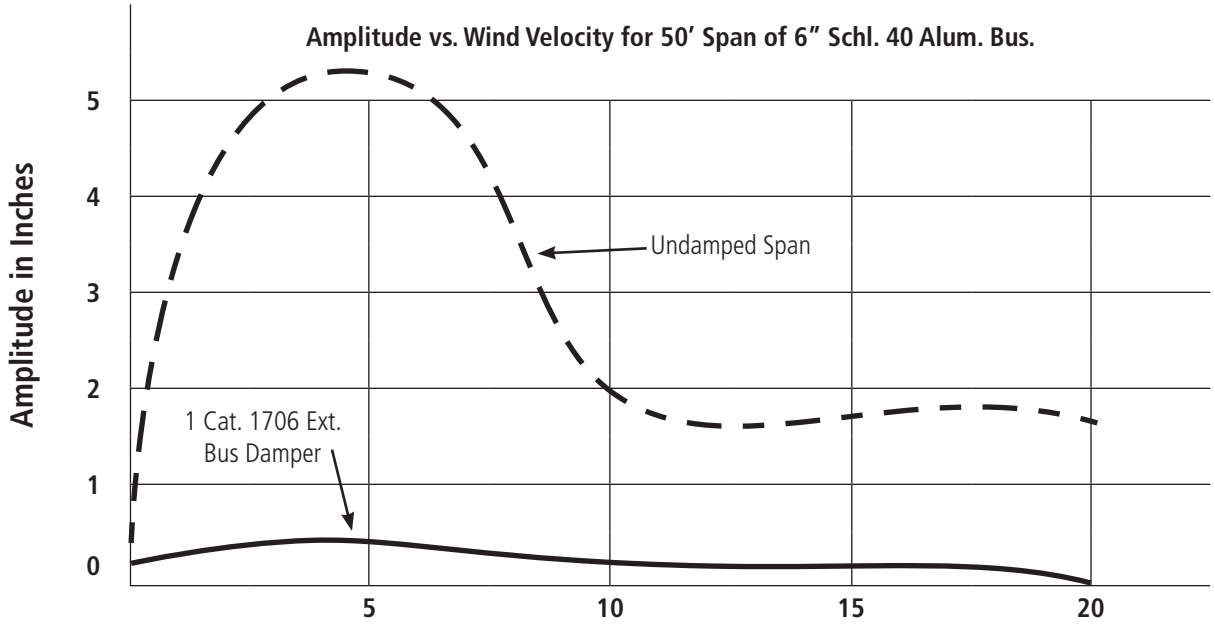



Figure 3 — Effective Wind Velocity - MPH

© 2011, AFL, all rights reserved. PP-3-00259, Revision 8, 5.14.2026
Specifications are subject to change without notice.

# Table of Contents

## Compounds

Compounds Table of Contents . . . . . 691
Compounds Pictorial Index . . . . . 692
AFL No. 2 Electrical Joint Compound (No. 2 EJC) . . . . . 693
Alnox® Electrical Joint Compound . . . . . 694
AFL Filler Compound . . . . . 695
HiTemp® Universal Compound (HiTUC) . . . . . 696

© 2011, AFL, all rights reserved. PP-3-00247, Revision 10, 5.14.2026
Specifications are subject to change without notice.

# Pictorial Index

| Compounds | |
|---|---|
|  | AFL No. 2 Electrical Joint Compound (No. 2 EJC) |
| | PG. 693 |
|  | Alnox® Electrical Joint Compound |
| | PG. 694 |
|  | AFL Filler Compound |
| | PG. 695 |
|  | HiTemp® Universal Compound (HiTUC) |
| | PG. 696 |

© 2011, AFL, all rights reserved. PP-3-00247, Revision 10, 5.14.2026
Specifications are subject to change without notice.

# AFL No. 2 Electrical Joint Compound (No. 2 EJC)

AFL No. 2 Electrical Joint Compound (EJC) is the recommended compound providing efficient and trouble free service on aluminum to aluminum and aluminum to copper connections. If No. 2 EJC is kept in a dry place, it has an infinite shelf life.




## Application

Terminal to dead end connections for applications under 93° C (200° F). Flat to flat surfaces such as bus to bus, aluminum to aluminum and aluminum to copper.

## Features

**Lowest Electrical Resistance on Flat Surfaces**
No. 2 EJC has the lowest electrical reistance on flat surfaces because it is a grease type medium that dissolves the oxide on connectors. The nature of the oxide removal is not harmful. Unlike other compounds of its kind, No. 2 EJC creates a light surface etch with no deep, localized attack. It only attacks the oxide.

**Weather Resistant**
No. 2 EJC adheres to pad surfaces, protecting the connection against the harmful effects of the environment.

**Proven Performance**
Years of service and laboratory testing have proven that AFL No. 2 EJC provides efficient and trouble free service.

## Ordering Information

| Catalog Number | Packaging |
|---|---|
| EJC10T | Carton of 10 – 7.94 oz (225 g) tubes |
| EJC12CAN | Carton of 12 – 1 lb. (0.45 kg) cans |
| EJC1GAL | 1 Gallon Pail, 10 lbs. (4.5 kg) |
| EJC5GAL | 5 Gallon Pail, 50 lbs. (22.7 kg) |

For more information, contact the AFL Technical Support Team at 1.800.890.8878.

© 2011, AFL, all rights reserved. PP-3-00210, Revision 2, 3.2.2026
Specifications are subject to change without notice.

# Alnox® Electrical Joint Compound

## Applications

Pad to pad connections where the operating temperatures are at or below 250 °C (482 °F). Used for aluminum on aluminum, copper on aluminum, and copper on copper. Ex: Dead ends to terminals, terminals to tee taps




## Features

**Lowest Electrical Resistance**
Alnox® contains extremely hard metalic particles with sharp and irregular shapes of carefully controlled grain size. This forms many metal to metal contact points for low resistance connections. If Alnox is kept in a dry place, it has an infinite shelf life.

**Weather Resistant**
Alnox® adheres to pad surfaces, protecting the connection against the harmful effects of the environment.

**Wide Temperature Tolerance**
Alnox® has a wide temperature tolerance. It is workable at low temperatures, -18 °C (0 °F), and does not drip at high temperatures. It has a melting point above 288 °C (550 °F).

## Ordering Information

| Catalog Number | Packaging |
|---|---|
| ALNOX10T | Carton of 10 - 8.82 oz (250 g) tubes |
| ALNOX12CAN | Carton of 12 - 1 lb. (0.45 kg) cans |
| ALNOX1GAL | 1 Gallon Pail, 10 lbs. (4.5 kg) |
| ALNOX5GAL | 5 Gallon Pail, 50 lbs. (22.7 kg) |

For more information, contact the AFL Technical Support Team at 1.800.890.

© 2011, AFL, all rights reserved. PP-3-00214, Revision 1, 3.2.2026
Specifications are subject to change without notice.

# AFL Filler Compound

AFL Filler Compound (AFC) improves the mechanical holding strength and conductivity of compression fittings. Stored in a dry environment, AFC has an infinite shelf life.




## Applications

Filler compound for compression accessories operating at temperatures up to 180°C (355°F). Example: dead ends, compression joints, terminals and jumper connectors.

## Features

**Wide Temperature Tolerance**
AFC is stiff but workable at low temperatures. To improve the workability, AFC can be diluted with 5% kerosene (by weight).

**Improves Holding Strength and Conductivity**
AFC contains hard, metallic particles (grit). During compression, the grit is embedded between the conductor and the accessory, creating an irregular surface which provides two benefits: (1) increases the holding strength when tension is applied and (2) improves conductivity by breaking the oxide layer on bare metal to metal connections.

**Weather Resistant**
AFC is forced between the conductor strands during compression, filling voids and sealing out the harmful effects of air and moisture.

**Fits Standard Caulking Gun**
For easy filling of compression accessories, AFC is available in a tube that fits a standard caulking gun.

**Visible Fill Line**
AFL is the only supplier that features a visible fill line along the length of the cartridge which allows the user to visually check the fullness of the tube.

## Ordering Information

| AFL No. | Packaging |
|---|---|
| AFC10T | Carton of 10, 1 lb. (451 g) Tubes – Fits Standard Caulking Gun |
| AFC1GAL | 1 Gallon Pail, 11 lbs. (5 kg) |
| AFC5GAL | 5 Gallon Pail, 55 lbs. (25 kg) |

For more information, contact the AFL Technical Support Team at 1.800.890.8878.

© 2003, AFL, all rights reserved. PP-3-00209, Revision 4, 3.2.2026
Specifications are subject to change without notice.

# HiTemp® Universal Compound (HiTUC) for Filler and Pad-to-Pad Connections

AFL's HiTemp Universal Compound (HiTUC) is the recommended inhibitor as a filler for compression fittings, as well as a joint compound for pad-to-pad connections for the increased temperature requirements in today's Utility market.

It has been designed to withstand the increased operating temperatures of high temperature/low sag conductors (ACSS, ACCR, etc.). If kept in a dry place, HiTUC has a three-year shelf life.




## Features

**Low Electrical Resistance**
HiTUC contains extremely hard metallic particles with sharp and irregular shapes of carefully controlled grain size. This forms many metal to metal contact points for low contact resistance.

**Wide Temperature Tolerance**
HiTUC has a wide temperature range. It is workable at low temperatures -40°C (-40°F) and does not drip at high temperatures. It has a melting point above 250°C (482°F).

**Improves Current Flow**
During compression, the metallic particles (grit) contained in HiTUC are embedded between the conductor and the inside wall of the accessory, creating an irregular surface. This irregular surface improves conductivity by forming more metal to metal connections. The grit also acts as a wire brush on the aluminum oxide that has formed on the inside of the tubular accessory. This same grit creates a low resistance connection in bolted pads of dead ends, terminals and tee taps.

**Moisture Resistant**
As the accessory is compressed, HiTUC is forced between the conductor strands, sealing out the harmful effects of harmful contaminates, water and salt.

**Fits Standard Caulking Gun**
AFL is the only supplier that features a sight gauge along the length of the tube that allows the user to check the remaining amount. For easy filling of compression accessories, HiTUC fits a standard caulking gun.

## Applications

- Filler compound and pad-to-pad connections for compression accessories installed on conductors operating at temperatures up to 250°C (482°F)
- Dead ends, joints, terminals, tee taps and jumper connectors

## Ordering Information

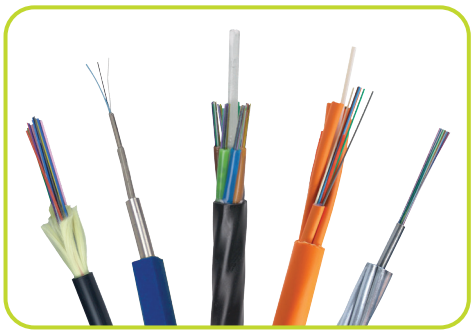
| Catalog Number | Packaging |
|---|---|
| HITUC10T | Carton of 10 Tubes, 1 lb. (451 g) – Fits Standard Caulking Gun |
| HITUC1GAL | 1 Gallon Pail, 11 lbs. (5 kg) |
| HITUC5GAL | 5 Gallon Pail, 55 lbs. (25 kg) |
| HITUC12B | 12 bottles per pack, 8 oz each, 6 lbs. (2721.6 g) |

© 2013, AFL, all rights reserved. PP-3-00248, Revision 5, 3.2.2026
Specifications are subject to change without notice.

AFLglobal.com
1 (800) 890-8878

**Please contact your AFL Sales Representative for information about our other products or services.**

### FIBER OPTIC CABLE (OPGW, ADSS, Loose Tube)



### TEST AND INSPECTION EQUIPMENT



### FUSION SPLICING SYSTEMS AND ACCESSORIES



### FIBER OUTSIDE PLANT EQUIPMENT



AFL



AFL

www.AFLglobal.com

CAT-03030 5.14.2026