

TRANSMISSION & DISTRIBUTION ACCESSORIES

Compression Solutions — high temperatures, voltages up to 765 kV and heat dissipation

Product Catalog

Founded in 1984, AFL is an international manufacturer providing end-to-end solutions to the energy, service provider, enterprise, hyperscale and industrial markets as well as several emerging markets.

AFL's products are in use in over 130 countries and include fiber optic cable and hardware, transmission and substation accessories, outside plant equipment, connectivity, test and inspection equipment, fusion splicers and training.

AFL also offers a wide variety of services supporting data center, enterprise, wireless and outside plant applications.

AFL is dedicated to bringing our customers a quality product as well as delivering superior value.

AFL

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Table of Contents

Pictorial Index vii
Introduction 1

Standard Compression

Standard Compression Table of Contents 3
Standard Compression Pictorial Index 5
Standard Compression Introduction 6

Quick Reference Guides

ACSR Compression Accessories Quick Reference Guide 7
AAC Compression Accessories Quick Reference Guide 9
AAAC and ACAR Compression Accessories Quick Reference Guide 11
EHS ACSR, Ground Wire, Alumoweld, AWAC Quick Reference Guide 13
Standard Compression Catalog Numbering System 14

ACSR Accessories

Single Tongue Dead Ends – 33100 Series 15
Double Tongue Dead Ends – 33300 Series 18
Single Tongue Dead Ends, Adjustable Clevis – 43600 Series 21
Double Tongue Dead Ends, Adjustable Clevis – 43800 Series 24
Compression Joints – 33000 Series 27
Compression Joints – Jiffy Joints – 7500 Series 30
Repair Sleeves – 5200 Series 31
Jumper Connectors – 5000 Series 34
Straight Terminal Connectors – 5600 Series 37
15° Terminal Connectors – 5100 Series 40
90° Terminal Connectors – 5800 Series 43
Open Run Tee Connectors – 5500 Series 46
Open Run Tee Taps – 5300 Series 49

EHS ACSR Accessories

Single Tongue Dead Ends – 33100 Series 53
Compression Joints – 43000 Series 55

AAC Accessories

Single Tongue Dead Ends – 33500 Series 57
Double Tongue Dead Ends – 33600 Series 60
Single Tongue Dead Ends, Adjustable Clevis – 43200 Series 63
Double Tongue Dead Ends, Adjustable Clevis – 43300 Series 66
Compression Joints – 7000 Series 69
Repair Sleeves – 5200 Series 71
Jumper Connectors – 5000 Series 73
Straight Terminal Connectors – 5600 Series 75
15° Terminal Connectors – 5100 Series 77
90° Terminal Connectors – 5800 Series 80
Open Run Tee Connectors – 5500 Series 82
Open Run Tee Taps – 5300 Series 85

AAAC and ACAR Accessories

Single Tongue Dead Ends – 33700 Series 89
Double Tongue Dead Ends – 43100 Series 91
Single Tongue Dead Ends, Adjustable Clevis – 43400 Series 94
Double Tongue Dead Ends, Adjustable Clevis – 43500 Series 96
Compression Joints – Jiffy Joints – 7500 Series 98
Repair Sleeves – 5200 Series 99
15° Terminal Connectors – 5100 Series 101

AWAC Accessories

Single Tongue Dead Ends – 33200 Series 103
Compression Joints – 7500 and 8500 Series 105

Ground Wire Accessories

Single Tongue Dead Ends – 4500 Series 107
Compression Joints – 4900 Series 108
Jumper Connectors – 5000 Series 110
Straight Terminal Connectors – 5600 Series 111
15° Terminal Connectors – 5100 Series 112
90° Terminal Connectors – 5800 Series 113

Standard Compression Reference Material

AFL Filler Compound Requirements 115
NEMA Standard Pad Size 117
Recommended Tightening Torque for Bolts 118
Steel Dead End Dimensions
9000 Series – Eyes 119
100 Series – Clevis 119
C6000 Series – Adjustable Clevis 120

Conductor Information Charts

ACSR 121
AAC 123
AAAC 125
ACAR 126

Installation Instructions

Standard Compression Dead Ends – ACSR and ACSS 127
Compression Dead Ends – Adjustable – ACSR 129
Compression Dead Ends – Clevis Adjustment 130
Standard Compression Terminal Connectors 131
Compression Dead Ends – AAC, AAAC, ACAR, AWAC Conductors 133
Compression Dead Ends – EHS ACSR, Alumoweld®, Ground Wire 134
Bolted Jumper Connectors – Alumoweld®, Steel Ground Wire 135
Terminal Connectors – Alumoweld, Steel Ground Wire 136
Standard Compression Splice for ACSR Compression Joints 137

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Specifications are subject to change without notice.

Table of Contents (cont.)

Installation Instructions

Compression Joints – AAC, AAAC, ACAR, AWAC Conductors 139
Compression Joints – Alumoweld, Steel Ground Wire 140
Compression Joints – EHS ACSR Conductors 141
Repair Sleeves – ACSR, AAC, AAAC, ACAR Conductors 142
Jumper Connectors – ACSR, AAC, AAAC, ACAR, Alumoweld® and Steel Ground Wire Conductors 143
Open Run Tee Taps and Tee Connectors 144
Open Run Tee Connectors – ACSR, AAC, AAAC, ACAR Conductors 145

Index

Standard Compression Index 146

Quick Compress®

Table of Contents 149
Quick Compress Pictorial Index 150
Quick Compress Accessories Overview 151

Quick Reference Guide

ACSR Conductor Quick Reference Guide 152
AAC Conductor Quick Reference Guide 154
AAAC and ACAR Conductor Quick Reference Guide 155
Quick Compress Catalog Numbering System 156

ACSR Accessories

Single Tongue Dead End – VES/HES Series 159
Double Tongue Dead End – VED/HED Series 162
Adjustable Clevis Dead End – ACS Series 165
Adjustable Eye Dead End – AES Series 168
Compression Joint – CJ Series 171
Replacement Compression Joint – CJR Series 173
Repair Sleeve – RS Series 175
Jumper Connector – JC Series 177
Straight Terminal Connector – TS Series 179
15° Terminal Connector – TF Series 182
45° Terminal Connector – T45 Series 185
90° Terminal Connector – TN Series 188
Open Run Tee Connector – TTOC Series 191
Open Run Tee Tap – TTOP Series 193

AAC Accessories

Single Tongue Dead End – VESE/HESE Series 197
Double Tongue Dead End – VEDE/HEDE Series 199
Adjustable Clevis Dead End – ACSE Series 201
Adjustable Eye Dead End – AESE Series 203
Compression Joint – CJE Series 205
Replacement Compression Joint – CJER Series 207
Repair Sleeve – RS Series 209
Jumper Connector – JC Series 211
Straight Terminal Connector – TS Series 213
15° Terminal Connector – TF Series 215
45° Terminal Connector – T45 Series 217
90° Terminal Connector – TN Series 219
Open Run Tee Connector – TTOC Series 221
Open Run Tee Tap – TTOP Series 223

AAAC and ACAR Accessories

Single Tongue Dead End – VES/HES Series 225
Double Tongue Dead End – VED/HED Series 227
Adjustable Clevis Dead End – ACS Series 229
Adjustable Eye Dead End – AES Series 231
Compression Joint – CJ Series 233
Replacement Compression Joint – CJR Series 235
Repair Sleeve – RS Series 237
Jumper Connector – JC Series 239
Straight Terminal Connector – TS Series 241
15° Terminal Connector – TF Series 243
45° Terminal Connector – T45 Series 245
90° Terminal Connector – TN Series 247
Open Run Tee Connector – TTOC Series 249
Open Run Tee Tap – TTOP Series 250

Ground Wire Accessories

Single Tongue Dead End – GWDE Series 253
Compression Joint – GWJ Series 256

Quick Compress® Reference Material

NEMA Standard Pad Sizes 257
Steel Eye Dimensions 257
Bolt Sizes and Recommended Torque 257
Adjustable Steel Clevis Dimensions 258
Adjustable Steel Eye Dimensions 258
Conductor Information for ACSR Conductors 259
Conductor Information for AAC Conductors 261
Conductor Information for AAAC Conductors 263
Conductor Information for ACAR Conductors 264

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Specifications are subject to change without notice.

Table of Contents (cont.)

Quick Compress® Installation Instructions

Dead Ends – Non-Adjustable ACSR (VES/HES, VED/HED) 265
Dead Ends – Non-Adjustable AAC, AAAC and ACAR 266
Dead Ends – Adjustable ACSR, AAC, AAAC and ACAR 266
Dead Ends – Non-Adjustable Alumoweld® and Steel Ground Wire 267
Compression Joints – AAC, AAAC, ACAR, Alumoweld® and Steel Ground Wire 268
Compression Joints – ACSR 269
Repair Sleeves – ACSR, AAC, AAAC and ACAR 270
Jumper Connectors – ACSR, AAC, AAAC, ACAR, Alumoweld® and Steel Ground Wire 271
Terminal Connectors 272
Open Run Tee Taps – ACSR, AAC, AAAC and ACAR 274
Open Run Tee Connectors – ACSR, AAC, AAAC and ACAR 274

Quick Compress® Index 275

HiTemp® Compression

HiTemp® Compression Pictorial Index 278
Overview—ACSS, ACSS/TW Compression Accessories 279

Quick Reference Guide

ACSS Conductor Quick Reference Guide 280
ACSS/TW Conductor Quick Reference Guide 282

Solo HD® Single-Die Compression – ACSR and ACSS

Dead End, ACSR & ACSS, Eye & Clevis Type, Single Tongue 285
Dead End, ACSR & ACSS, Eye & Clevis Type, Double Tongue 288
Replacement Dead End for ACSR & ACSS Conductors, SDESR Series 291
Joint, ACSR & ACSS, Full Tension 294
Replacement Joint for ACSR & ACSS Conductors, SDCJR Series 297
Dead End, ACSR & ACSS, Adjustable Clevis, Single Tongue 299
Dead End, ACSR & ACSS, Adjustable Clevis, Double Tongue 302

Solo HD® Single-Die Compression – ACSS/TW

Dead End, ACSS/TW, Eye & Clevis Type, Single Tongue 305
Dead End, ACSS/TW, Eye & Clevis Type, Double Tongue 308
Replacement Dead End, ACSS/TW & ACSR/TW Conductors, SDESR Series 311
Joint, ACSS/TW 313
Replacement Joint, ACSS/TW & ACSR/TW Conductors, SDCJR Series 316
Dead End, ACSS/TW, Adjustable Clevis, Single Tongue 318
Dead End, ACSS/TW, Adjustable Clevis, Double Tongue 321

ACSS Accessories

Single Tongue Dead End—33100HT Series 324
Double Tongue Dead End—33300HT Series 327
Compression Joint—33000HT Series 330
Repair Sleeve—5200HT Series 332
Jumper Connector—5000HT Series 334
Straight Connector—5600HT Series 336
15° Terminal Connector—5100HT Series 338
90° Terminal Connector—5800HT Series 340
Open Run Tee Connector—5500HT Series 342
Open Run Tee Tap—5300HT Series 345

ACSS/TW Accessories

Single Tongue Dead End—440000HT Series 348
Double Tongue Dead End—480000HT Series 351
Compression Joint—420000HT Series 354
Repair Sleeve—5200HT Series 356
Jumper Connector—5000HT Series 358
Straight Connector—5600HT Series 360
15° Terminal Connector—5100HT Series 362
90° Terminal Connector—5800HT Series 364
Open Run Tee Connector—5500HT Series 367
Open Run Tee Tap—5300HT Series 370

HiTemp® Motion Control Accessories

Stockbridge Type Vibration Damper—1700 Series 374
Speed-Grip® Spacers—3300HT Series 376

HiTemp® Reference Material

NEMA Standard Pad Sizes 378
Pad Width and Thickness 378
Steel Eye Dimensions 378
HiTemp Filler Compound Requirements 379
Bolt Sizes and Recommended Torque 379
Conductor Information for ACSS Conductors 380
Conductor Information for ACSS/TW Conductors 382

HiTemp® Installation Instructions

HiTemp® Compression Dead Ends, ACSR, ACSS, ACSS/TW 384
Solo HD® Compression Dead Ends, ACSR, ACSS, ACSS/TW, Adj. Clevis 392
HiTemp® Compression Joints, ACSR, ACSS, ACSS/TW 400
HiTemp® Compression Dead Ends, ACSR, ACSS 408
HiTemp® Compression Splice, ACSS, ACSS/TW 410

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Specifications are subject to change without notice.

Table of Contents (cont.)

HiTemp® Installation Instructions

HiTemp® Compression Repair Sleeve, ACSS, ACSS/TW 412
HiTemp® Jumper Connectors, ACSS, ACSS/TW 413
HiTemp® Terminal Conductors. 414
HiTemp® Open Run Tee Taps and Tee Connectors 416
HiTemp® Vibration Dampers 417
HiTemp® Speed-Grip®Spacers 421

HiTemp® Compression Index 422

Motion Control Accessories

Table of Contents 425
Motion Control Pictorial Index 426
Dissipator High-Efficiency Stockbridge Damper—1700AA Series 427
Vibration Dampers for Aluminum Type Conductor (ACSR, ACSR-TW, ACSS, ACSS-TW, AAC, AAAC, ACAR) 429
Vibration Dampers for Galvanized Steel or Alumoweld® Strand 430
Dissipator High-Efficiency Stockbridge Damper
ACSR Conductor Information 431
AAC Conductor Information. 433
AAAC and ACAR Conductor Information 434
ACSS HiTemp® Conductor Information 435
ACSS/TW HiTemp® Conductor Information 437
Guy Wire Vibration Dampers Stockbridge Type—2200 Series. 439
Highway Truss Vibration Dampers 441
Spacer Dampers with Elastomer Bushed Clamps—280000 Series 442
Speed-Grip® Spacers—3300 Series 444
Spring-Type Conductor Spacers—1790 and 1800 Series 446

Motion Control Reference Material

Conductor Information for ACSR Conductor 447
Conductor Information for AAC Conductor 449
Conductor Information for AAAC Conductor 451
Conductor Information for ACAR Conductor 452

Motion Control Installation Instructions

1700-T2 Vibration Dampers 453
Vibration Dampers, 1700, 1700AA Series 455
Spacer Dampers, Bolted Type 459
T2 Speed-Grip® Spacers 460
Speed-Grip® Spacers 462
Spring-Type Spacers 463

Request for Vibration Information for Line/Stockbridge Dampers 464
Average Annual Minimum Temperature in U.S. Map 465
Motion Control Index 466

Formed Wire Accessories

Formed Wire Accessories Table of Contents 467
Formed Wire Accessories Pictorial Index 468
Armor Rods 469
Line Guards 473

Suspensions

Suspension Products Table of Contents 477
Suspension Products Pictorial Index 478
HIBUS® Suspension for Conductors. 479

Wire Products

Wire Products Table of Contents 483
Wire Products Pictorial Index 484

Alumoweld®

Introduction 485
Overhead Ground Wire. 486
Overhead Ground Wire Physical and Electrical Characteristics 487
Type M Guy Strand. 488
Type M Guy Strand Physical Characteristics 489

Copperclad Steel Wire

Copperclad Steel Wire 490
Dead Soft Annealed Copperclad Steel Wire 490
OnyxCCS® Copperclad Steel Wire. 490
Selecting the Right Size for the Application 491
DSA Copperclad Steel Wire for Grounding Applications 493
Jacketed Material 495
Copperclad Steel Wire—High Strength/Extra High Strength 496
Copperclad Composite (CCC) Conductors. 499
Copperclad Type M Guy Wire 499
Copperclad Part Number Nomenclature 500
Recommended Maximum Footage per Reel 501
Green Spool Specifications. 502

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Table of Contents (cont.)

Comealongs

Comealongs Table of Contents 503
Comealongs Pictorial Index 504
Comealongs for ACSR, AAC, AAAC and ACAR Conductors, 3000, 3100 and 3200 Series 505
HiTemp® Comealongs for ACSS and ACSS/TW Conductors, 400000HT and 410000HT Series 507
HiTemp® Comealongs for ACSS Conductor, 400000HT Series 508
HiTemp® Comealongs for ACSS/TW Conductors, 410000HT Series. 510
Installation Instructions for Comealongs 512

Compounds

Compounds Table of Contents 515
Compounds Pictorial Index 516
HiTemp® Universal Compound (HiTUC) 517
AFL No. 2 Electrical Joint Compound. 518
Alnox Electrical Joint Compound. 519
Alnox UG Electrical Joint Compound. 520
AFL Filler Compound 521
HiTemp® AFL Filler Compound (AFCHT™) 522

Tools and Equipment

Table of Contents 523
Tools and Equipment Pictorial Index 524

Hydraulics

60AGSC Hydraulic Press 527
60S/DC Hydraulic Press 528
100A Hydraulic Press 529
15GBM Gas Hydraulic Pump. 530
30GBM Gas Hydraulic Pump. 531
30GHR Gas Hydraulic Pump 532
PE-NUT Electric Two-Speed Pump 533
Hydraulic Hoses 534

Compression Dies

AH and SH Compression Dies—B Series 535
AH, CD and SH Compression Dies—30 Ton Series. 536
AH, SH and GW Compression Dies—60 Ton Series 537
AH and SH Compression Dies—100 Ton Series. 538
CD Compression Dies—B Series. 539
CD Compression Dies—60 Ton Series. 540
CD Compression Dies—100 Ton Series. 541

Tools and Equipment Reference Materials

Pump and Press Combinations 542
Tool Safety Information 543
Warranty 544

Clamps and Connectors

Clamps and Connectors Table of Contents 545
Clamps and Connectors Pictorial Index 546
Universal Groove Clamps Overview. 547
Distribution Parallel Groove Clamps 548
Center Bolt Clamps 548
U-Bolt Clamps 549

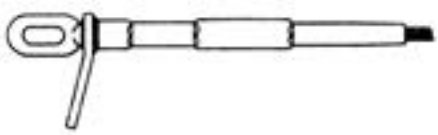
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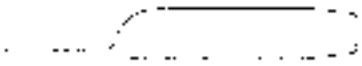
Pictorial Index

STANDARD COMPRESSION

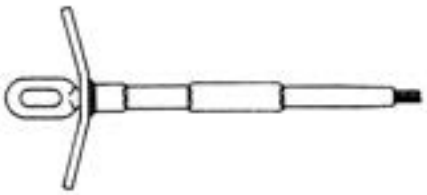
Dead End – Single Tongue
Eye: pgs. 15, 53, 57, 89, 103, 107 **Clevis:** pgs. 21, 63, 94



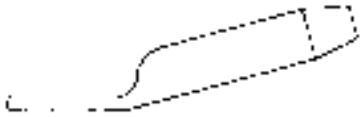
Straight Terminal Connector
pgs. 37, 75, 111



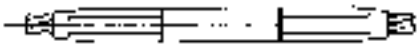
Dead End – Double Tongue
Eye: pgs. 18, 60, 91 **Clevis:** pgs. 24, 66, 96



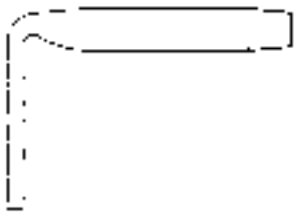
15° Terminal Connector
pgs. 40, 77, 101, 112



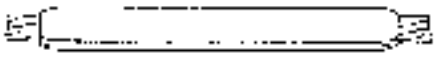
Compression Joint
pgs. 27, 30, 55, 69, 98, 105, 108



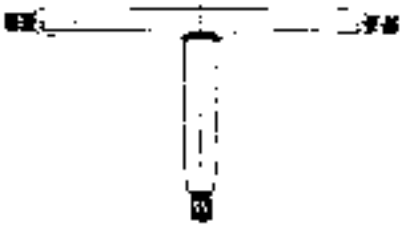
90° Terminal Connector
pgs. 43, 80, 113



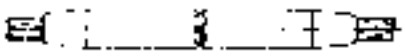
Repair Sleeve
pgs. 31, 71, 99



Open Run Tee Connector
pgs. 46, 82



Jumper Connector
pgs. 34, 73, 110



Open Run Tee Tap
pgs. 49, 85



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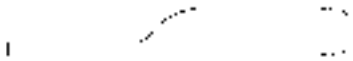
Pictorial Index

QUICK COMPRESS®

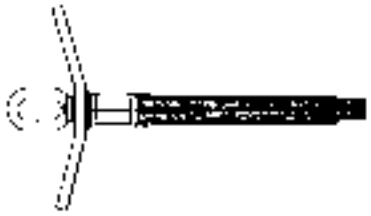
Dead End – Single Tongue
Eye: pgs. 159, 168, 197, 203, 225, 231, 253
Clevis: pgs. 165, 201, 229



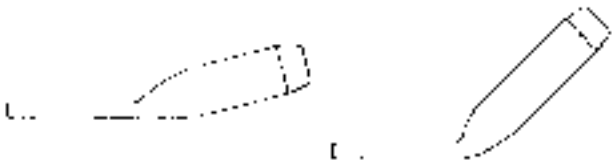
Straight Terminal Connector
pgs. 179, 213, 241



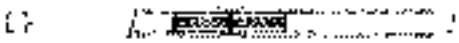
Dead End – Double Tongue
pgs. 162, 199, 227



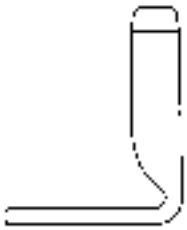
Angled Terminal Connector
15° pgs. 182, 215, 243 **45°** pgs. 185, 217, 245



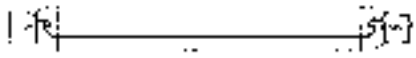
Compression Joint
pgs. 171, 173, 205, 207, 233, 235, 256



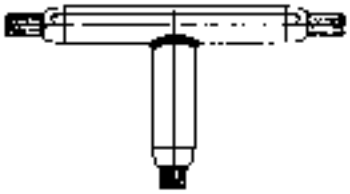
90° Terminal Connector
pgs. 188, 219, 247



Repair Sleeve
pgs. 175, 209, 237



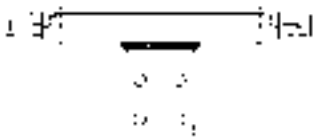
Open Run Tee Connector
pgs. 191, 221, 249



Jumper Connector
pgs. 177, 211, 239



Open Run Tee Tap
pgs. 193, 223, 250



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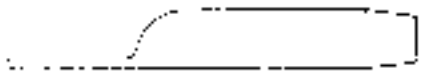
Pictorial Index

Solo HD® Single-Die Compression and HiTemp® Compression

Dead End—Single Tongue
Solo HD: pgs. 285, 291, 299 **ACSS:** p. 324 **ACSS/TW:** p. 318



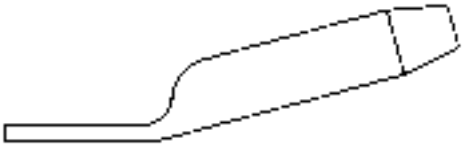
Straight Terminal Connector
ACSS: pgs. 336 **ACSS/TW:** pgs. 360



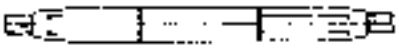
Dead End—Double Tongue
Solo HD: pgs. 288, 302 **ACSS:** pgs. 327 **ACSS/TW:** pgs. 351



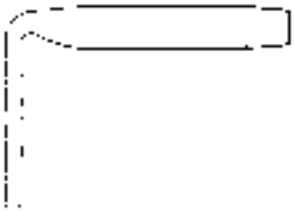
15° Terminal Connector
ACSS: pgs. 338 **ACSS/TW:** pgs. 362



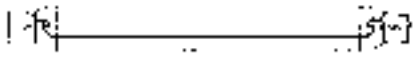
Compression Joint
Solo HD: pgs. 294, 311 **ACSS:** pgs. 330 **ACSS/TW:** pgs. 354



90° Terminal Connector
ACSS: pgs. 340 **ACSS/TW:** pgs. 364



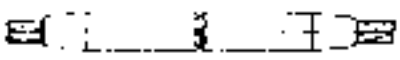
Repair Sleeve
ACSS: pgs. 332 **ACSS/TW:** pgs. 356



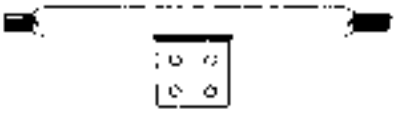
Open Run Tee Connector
ACSS: pgs. 342 **ACSS/TW:** pgs. 367



Jumper Connector
ACSS: pgs. 334 **ACSS/TW:** pgs. 358



Open Run Tee Tap
ACSS: pgs. 345 **ACSS/TW:** pgs. 370



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Pictorial Index

MOTION CONTROL ACCESSORIES

Dissipator High-Efficiency Stockbridge Damper
1700AA Series: pg. 427



Vibration Dampers for Aluminum Conductors
Stockbridge-1700 Series: pg. 429



Guy Wire Vibration Damper
Stockbridge–2200 Series: pg. 439



Highway Truss Vibration Damper
pg. 441



Spacer Damper with Elastomer Bushed Clamps
280000 Series: pg. 442



3 Conductor Bundle
Bolted Bush Type Clamp



4 Conductor Bundle
Bolted Bush Type Clamp

Speed-Grip® Spacers
pg. 444



Spring-Type Conductor Spacers
pg. 446



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Specifications are subject to change without notice.

Pictorial Index

FORMED WIRE ACCESSORIES

Armor Rods pg. 469	*Line Guards* pg. 473





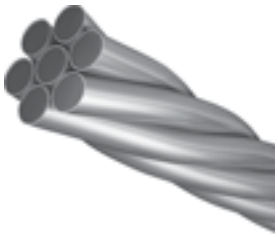
SUSPENSION PRODUCTS

HIBUS® Suspensions for Conductors pg. 479



WIRE PRODUCTS

Alumoweld® **Wire & Strand:** pg. 485	*Copperclad* **High Strength and Extra High Strength:** pg. 490





Copperclad **Dead Soft Annealed:** pg. 490	*Copperclad* **OnyxCCS® Steel Wire:** pg. 490	*Copperclad* **Composite Conductors:** pg. 499







Copperclad **Jacekted Dead Soft Annealed Conductors:** pg. 490	*Copperclad* **Type M Guy Strand:** pg. 499



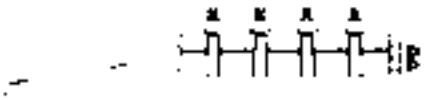


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Specifications are subject to change without notice.

Pictorial Index

COMEALONGS

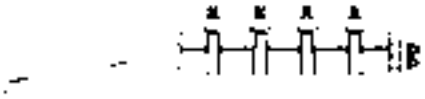
ACSR, AAC, AAAC & ACAR Conductors
3000, 3100 and 3200 Series: pg. 505



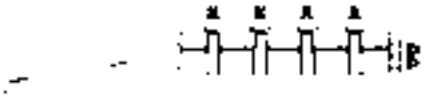
HiTemp® ACSS & ACSS/TW Conductors
pg. 507



HiTemp® ACSS Conductor
400000HT Series: pg. 508



HiTemp® ACSS/TW Conductor
410000HT Series: pg. 510



COMPOUNDS

HiTemp® Universal Compound (HiTUC)
pg. 517



AFL No. 2 Electrical Joint Compound
pg. 518



Alnox Electrical Joint Compound
pg. 519



Alnox UG Electrical Joint Compound
pg. 520



AFL Filler Compound
pg. 521



HiTemp® AFL Filler Compound (AFCHT™)
pg. 522



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Specifications are subject to change without notice.

Pictorial Index

TOOLS AND EQUIPMENT

60AGSC Hydraulic Press
pgs. 527



60-Ton Hydraulic Press
pgs. 528



100-Ton Hydraulic Press
pg. 529



15GBM Gas Hydraulic Pump
pg. 530



30GBM Gas Hydraulic Pump
pgs. 531



30GHR Gas Hydraulic Pumps
pgs. 532



PE-NUT Electric Two-Speed Pump
pg. 533



Hydraulic Hoses
pg. 5340



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Specifications are subject to change without notice.

Pictorial Index

COMPRESSION DIES

B Series
AH, SH: pg. 535 CD: pg. 539



30 Ton Series
AH, CD, SH: pg. 536



60 Ton Series
AH, SH, GW: pg. 538 CD: pg. 540



100 Ton Series
AH, SH: pg. 538 CD: pg. 541



CLAMPS AND CONNECTORS

Distribution Parallel Groove Clamps
pg. 548



Center Bolt Clamps
pgs. 548



U-Bolt Clamps
pg. 549



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Introduction

General

AFL has led in the development of aluminum conductor accessories since the late 1890s. More than 80 years of continuous research, development and field experience have resulted in AFL's superior accessory products.

Compression Accessories

AFL has the industry's most complete line of compression accessories-dead ends, jumper terminals, joints, T-taps, repair sleeves and terminal connectors-designed to operate, regardless of the electrical load, at a temperature lower than that of the conductor. (See IEEE paper C72-188-6, "Effect of Elevated Temperature on the performance of Conductor Accessories.") In addition, AFL manufactures a complete line of Alloy Compression accessories. All AFL compression accessories are designed for aerial or ground installation with portable compressors. The above mentioned accessories for a given conductor size use the same aluminum and steel compression die size for both aluminum and steel parts.

Spacer-Dampers (See Motion Control)

The spacer damper combines the function of a spacer in maintaining conductor separation and controlling oscillation and the function of a damper in controlling aeolian vibration. It frequently provides the most economical approach to protecting multi-conductor bundle systems and is an AFL engineered product.

Spacers (See Motion Control)

The trend to higher transmission voltages and load currents has brought many changes in line construction, notably the substation of bundle conductor for single conductor on both AC and DC transmission lines. Spacers are necessary on horizontal bundle construction to prevent damage to subconductors from wind movement, ice unloading and keep subconductors separated when electrical forces tend to force them together.

AFL's work on spacers for bundles EHV lines started in 1954. The first commercial design was the articulated-type spacers which are still giving good service after 30 years in operation.

AFL's research and development led to the introduction of closed-spring type spacers, which have excellent service records on thousands of miles of bundle conductor. Three-bundle and four-bundle spacers were developed as the need arose. Recently, a style of spacer employing elastomer bushings was developed. The Speed-Grip® design provides a firm but cushioned grip on the conductor and allows rapid installation without special tools.

For unusual line construction, special engineering data for spacer applications are available through AFL.

Vibration Dampers (See Motion Control)

The AFL vibration damper (U.S. Patent 3,052,747) is an energy dissipation device for removing the energy of vibration imparted to a conductor by wind. Conductor vibration induces a relative motion between the clamp and the inertia weights which causes flexure of the steel cable, resulting in dissipation of mechanical energy by friction between the strands of the damper cable. In contrast to most tuned damping devices, which operate best only near their natural frequencies, the AFL vibration damper is designed for efficient transfer and dissipation of energy for the entire spectrum of frequencies that occur on transmission lines. For a detailed discussion see "Panel Discussion on Aeolian Vibration." Part IV, EEI Transmission and Distribution Committee, January 1972.

Vibration protection with AFL is much more than a product. It is a proven engineered system backed by more than 60 years of experience. This technical expertise is available to transmission system engineers in the form of specific, comprehensive computations based on the particular input factors of your system.

(Continued on next page)

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Introduction (cont.)

Parallel Groove Clamps

The geometry of the AFL universal groove represents an engineering achievement: an optimum shape for both electrical and mechanical efficiency for a range of conductor sizes. This groove shape (U.S. Patent 3,100,672) is used for catalog series 390,480, and 580.

Groove for 390 Series, used for service drops, and 480 Series, used for full load connections, are protected with a film of grease.

Aluminum bolts used in parallel groove clamps have an alumilite 205 finish and a thin coating of inhibitor compound. The hard finish and lubrication reduce thread friction and provide greater clamping force on the conductor for a given torque.

These bolts will not seize. Benefits of aluminum bolts also include equalized expansion and contraction and contraction with temperature changes and favorable modulus of elasticity for "spring follow-up."

Joint Compounds (See Compounds)

As long ago as the 1800s, it was known that the use of petrolatum improves an electric contact by preventing oxidation on clean metal surfaces. A half century of research and use has demonstrated that for both aluminum and copper, contact surfaces should be coated with a suitable grease-type compound.

Compressors, Hydraulic (See Tools & Equipment)

Hydraulic compressors are used for applying compression fittings to aluminum conductors and steel and/or alumoweld overhead ground wire. AFL offers the most complete line of portable hydraulic compressors in the industry: 12, 30, 60, 100 and 150 ton.

Accompanying the compressors are portable gasoline and electric oil hydraulic pumps, tailored to rugged field use and offering manual and/or remote control. All pumps and compressors operate at one pressure, 10,000 psi, and have one type of quick coupling system which permits complete interchangeability.

Comealongs

Comealongs are stringing tools designed for pulling conductors to initial sag tension for dead end installation. AFL comealongs are a highly engineered and tested product. Eyebolts are high strength forged steel. Bails receive both magnaflux and dye check inspection of metal quality. Prior to shipment, a final pulling test is made on every comealong at 125% of its recommended tension limit.

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Specifications are subject to change without notice.

Table of Contents

Standard Compression Table of Contents 3
Standard Compression Pictorial Index 5
Standard Compression Introduction 6

Quick Reference Guides

ACSR Compression Accessories Quick Reference Guide 7
AAC Compression Accessories Quick Reference Guide 9
AAAC and ACAR Compression Accessories Quick Reference Guide 11
EHS ACSR, Ground Wire, Alumoweld, AWAC Quick Reference Guide 13
Standard Compression Catalog Numbering System 14

ACSR Accessories

Single Tongue Dead Ends – 33100 Series 15
Double Tongue Dead Ends – 33300 Series 18
Single Tongue Dead Ends, Adjustable Clevis – 43600 Series 21
Double Tongue Dead Ends, Adjustable Clevis – 43800 Series 24
Compression Joints – 33000 Series 27
Compression Joints – Jiffy Joints – 7500 Series 30
Repair Sleeves – 5200 Series 31
Jumper Connectors – 5000 Series 34
Straight Terminal Connectors – 5600 Series 37
15° Terminal Connectors – 5100 Series 40
90° Terminal Connectors – 5800 Series 43
Open Run Tee Connectors – 5500 Series 46
Open Run Tee Taps – 5300 Series 49

EHS ACSR Accessories

Single Tongue Dead Ends – 33100 Series 53
Compression Joints – 43000 Series 55

AAC Accessories

Single Tongue Dead Ends – 33500 Series 57
Double Tongue Dead Ends – 33600 Seriesa 60
Single Tongue Dead Ends, Adjustable Clevis – 43200 Series 63
Double Tongue Dead Ends, Adjustable Clevis – 43300 Series 66
Compression Joints – 7000 Series 69
Repair Sleeves – 5200 Series 71
Jumper Connectors – 5000 Series 73
Straight Terminal Connectors – 5600 Series 75
15° Terminal Connectors – 5100 Series 77
90° Terminal Connectors – 5800 Series 80
Open Run Tee Connectors – 5500 Series 82
Open Run Tee Taps – 5300 Series 85

AAAC and ACAR Accessories

Single Tongue Dead Ends – 33700 Series 89
Double Tongue Dead Ends – 43100 Series 91
Single Tongue Dead Ends, Adjustable Clevis – 43400 Series 94
Double Tongue Dead Ends, Adjustable Clevis – 43500 Series 96
Compression Joints – Jiffy Joints – 7500 Series 98
Repair Sleeves – 5200 Series 99
15° Terminal Connectors – 5100 Series 101

AWAC Accessories

Single Tongue Dead Ends – 33200 Series 103
Compression Joints – 7500 and 8500 Series 105

Ground Wire Accessories

Single Tongue Dead Ends – 4500 Series 107
Compression Joints – 4900 Series 108
Jumper Connectors – 5000 Series 110
Straight Terminal Connectors – 5600 Series 111
15° Terminal Connectors – 5100 Series 112
90° Terminal Connectors – 5800 Series 113

Standard Compression Reference Material

AFL Filler Compound Requirements 115
NEMA Standard Pad Size 117
Recommended Tightening Torque for Bolts 118
Steel Dead End Dimensions
- 9000 Series – Eyes 119
- 100 Series – Clevis 119
- C6000 Series – Adjustable Clevis 120

Conductor Information Charts

ACSR 121
AAC 123
AAAC 125
ACAR 126

Installation Instructions

Standard Compression Dead Ends – ACSR and ACSS 127
Compression Dead Ends – Adjustable – ACSR 129
Compression Dead Ends – Clevis Adjustment 130
Standard Compression Terminal Connectors 131
Compression Dead Ends – AAC, AAAC, ACAR, AWAC Conductors 133
Compression Dead Ends – EHS ACSR, Alumoweld®, Ground Wire 134

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Specifications are subject to change without notice.

Table of Contents (cont.)

Installation Instructions

Bolted Jumper Connectors – Alumoweld®, Steel Ground Wire 135
Terminal Connectors – Alumoweld, Steel Ground Wire 136
Standard Compression Splice for ACSR Compression Joints 137
Compression Joints – AAC, AAAC, ACAR, AWAC Conductors 139
Compression Joints – Alumoweld, Steel Ground Wire 140
Compression Joints – EHS ACSR Conductors 141
Repair Sleeves – ACSR, AAC, AAAC, ACAR Conductors 142
Jumper Connectors – ACSR, AAC, AAAC, ACAR, Alumoweld®
and Steel Ground Wire Conductors 143
Open Run Tee Taps & Tee Connectors – ACSR, AAC, AAAC, ACAR Conductors. . 144
Open Run Tee Connectors – ACSR, AAC, AAAC, ACAR Conductors 145

Index

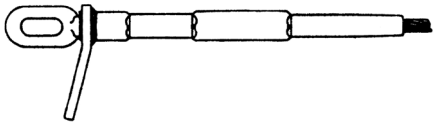
Standard Compression Index 146

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Specifications are subject to change without notice.

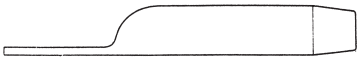
Pictorial Index

STANDARD COMPRESSION

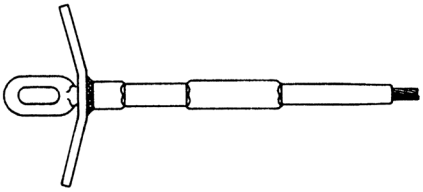
Dead End – Single Tongue
Eye: pgs. 15, 53, 57, 89, 103, 107 **Clevis:** pgs. 21, 63, 94



Straight Terminal Connector
pgs. 37, 75, 111



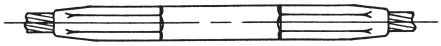
Dead End – Double Tongue
Eye: pgs. 18, 60, 91 **Clevis:** pgs. 24, 66, 96



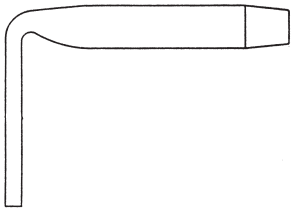
15° Terminal Connector
pgs. 40, 77, 101, 112



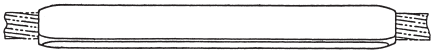
Compression Joint
pgs. 27, 30, 55, 69, 98, 105, 108



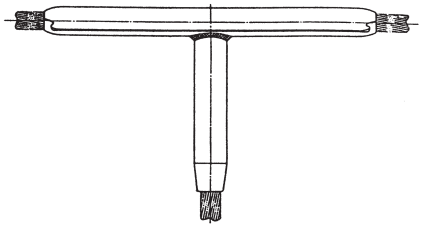
90° Terminal Connector
pgs. 43, 80, 113



Repair Sleeve
pgs. 31, 71, 99



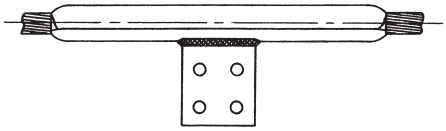
Open Run Tee Connector
pgs. 46, 82



Jumper Connector
pgs. 34, 73, 110



Open Run Tee Tap
pgs. 49, 85



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Standard Compression Accessories for Stranded Aluminum Conductors



AFL has the industry's most complete line of compression accessories. This includes dead ends, joints, repair sleeves, jumper connectors, terminal connectors, tee connectors and tee taps. Compression accessories are available in sizes and strandings to fit the following types of conductors: ACSR, AAC, AAAC, ACAR, EHS ACSR, AWAC, Alumoweld® and steel ground wire. For accessory applications of uncommon conductors, contact the AFL Technical Support Team at 1.800.866.7385.

All compression accessories are designed to operate at a temperature 15% to 25% cooler than the conductor. Standard compression accessories are designed for conductor operating temperatures up to 120° C (248° F). For applications exceeding this operating temperature, see the HiTemp® Compression Accessories Catalog.

Dead Ends

Designed in the mid-1920s, the Standard Dead End is a full tension device designed to attach the conductor to the line structure while maintaining the electrical current.

- ANSI C119.4 Class A qualified.
- Designed for full tension use, maintaining a minimum of 95% of the ASTM rated strength of the conductor.
- Steel eye can be oriented in the field prior to installation.
- Tongue is manufactured with a 15° angle.
- Permanent markings for ease of installation and identification.
- Felt washer between the eye and aluminum body provides water protection.

Compression Joints

The Standard Joint is a full tension device designed to join two conductors together in mid-span.

- ANSI C119.4 Class A qualified.
- Designed for full tension use, maintaining a minimum of 95% of the ASTM rated strength of the conductor.
- Permanent markings for ease of installation and identification.

Repair Sleeves

The Repair Sleeve will restore the conductor to 95% of its rated strength, where up to 1/3 of the aluminum strands are damaged.

- ANSI C119.4 Class A qualified.
- Permanent markings for ease of installation and identification.

Terminal Connectors

Terminal Connectors are limited tension devices used to maintain the electrical current through a line junction (also known as paddle, spade, lug or jumper).

- ANSI C119.4 Class A qualified.
- Designed for limited tension use, maintaining a minimum of 40% of the ASTM rated strength of the conductor.
- Standard NEMA pad spacing.
- Both sides of the pad are finished, creating excellent contact surfaces.
- Available in straight, 15 and 90 degree angles.
- Permanent markings for ease of installation and identification.

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Quick Reference Guide for Standard Compression Accessories for ACSR Conductors

Conductor				Compression Accessories Catalog Numbers													
Code Word	Size	Standing	Dia.	Dead End Assembly	Dead End Body Single Tongue	Steel Component		15° Terminal Connector	Joint Assembly	Aluminum Joint	Steel Joint	Jumper Connector	Straight Terminal Connector	90° Terminal Connector	Repair Sleeve	Tee Tap Open Run	Tee Connector Open Run
						Steel Eye	Steel Clevis										
	kcmil	Al/St	in														
Grouse	80.0	8/1	0.367	C33101	8174.438S	—	102.17	5174.438	33005	8074.438	4075.179	5074.438	5674.438	5874.438	5274.2	5374.2	5574.2-74.438
Raven	1/0	6/1	0.398	C33102	8174.438	—	100.14	5174.438	33006	8074.438	4074.148	5074.438	5674.438	5874.438	5274	5374	5574 -74.438
Quail	2/0	6/1	0.447	C33103	8174.484	—	100.16	5174.484	33007	8074.484	4074.160	5074.484	5674.484	5874.438	5274	5374	5574 -74.436
Pigeon	3/0	6/1	0.502	C33104	8175.547	—	102.17	5175.547	33008	8075.547	4075.179	5075.547	5675.547	5875.547	5275	5375	5575 -75.547
Penguin	4/0	6/1	0.563	C33105	8175.609	—	102.20	5175.609	33009	8075.609	4075.228	5075.609	5675.609	5875.609	5275	5375	5575 -75.609
Waxwing	266.8	18/1	0.609	C33106	8176.656	—	101.13	5176.656	33010	8076.656	4074.132	5076.656	5676.656	5876.656	5276	5376	5576 -76.656
Owl	266.8	6/7	0.633	C33107	8176.688	—	103.22	5176.688	33011	8076.688	4076.221	5076.688	5676.688	5876.688	5276	5376	5576 -76.688
Partridge	266.8	26/7	0.642	C33108	8176.688	—	103.25	5176.688	33012	8076.688	4076.246	5076.688	5676.688	5876.688	5276	5376	5576 -76.688
Ostrich	300.0	26/7	0.680	C33109	8176.719	—	103.26	5176.719	33081	8076.719	4076.261	5076.719	5676.719	5876.719	5276	5376	5576 -76.719
Merlin	336.4	18/1	0.684	C33110	8176.719	—	101.14	5176.719	33013	8076.719	4074.148	5076.719	5676.719	5876.719	5276	5376	5576 -76.719
Linnet	336.4	26/7	0.720	C33111	8176.781	—	103.28	5176.781	—	8076.781	4076.277	5076.781	5676.781	5876.781	5276	5376	5576 -76.781
Chickadee	397.5	18/1	0.743	C33112	8176.781	—	101.16	5176.781	33016	8020.781	4074.160	5076.781	5676.781	5876.781	5276	5376	5576 -76.781
Linnet	336.4	26/7	0.720	E33113	8120.781	9110.277	—	5120.781	33014	8020.781	4010.277	5020.781	5620.781	5820.781	5220.3	5320.3	5520.3-20.781
Oriole	336.4	30/7	0.741	E33114	8120.781	9110.332	—	5120.781	33015	8020.781	4010.332	5020.781	5620.781	5820.781	5220.3	5320.3	5520.3-20.781
Chickadee	397.5	18/1	0.743	E33115	8120.781	9174.160	—	5120.781	33016	8020.781	4074.16	5020.781	5620.781	5820.781	5220.3	5320.3	5520.3-20.781
Brant	397.5	24/7	0.772	E33116	8120.812	9110.261	—	5120.812	33082	8020.812	4010.261	5020.812	5620.812	5820.812	5220.3	5320.3	5520.3-20.812
Ibis	397.5	26/7	0.783	E33117	8120.844	9110.302	—	5120.844	33017	8020.844	4010.302	5020.844	5620.844	6820.844	5220.3	5320.3	5520.3-20.844
Lark	397.5	30/7	0.806	E33118	8120.844	9112.359	—	5120.844	33018	8020.844	4012.359	5020.844	5620.844	5820.844	5220.3	5320.3	5520.3-20.844
Pelican	477.0	18/1	0.814	E33119	8124.875	9175.179	—	5124.875	33020	8024.875	4075.179	5024.875	5624.875	5824.875	5224.3	5324.3	5524.3-24.875
Flicker	477.0	24/7	0.846	E33120	8124.938	9110.295	—	5124.938	33021	8024.938	4010.295	5024.938	5624.938	5824.938	5224.3	5324.3	5524.3-24.938
Hawk	477.0	26/7	0.858	E33121	8124.938	9112.332	—	5124.938	33022	8024.938	4012.332	5024.938	5624.938	5824.938	5224.3	5324.3	5524.3-24.938
Hen	477.0	30/7	0.883	E33122	8124.938C	9212.397	—	5124.938	33023	8024.938	4012.397	5024.938	5624.938	5824.938	5224.3	5324.3	5524.3-24.938
Osprey	556.5	18/1	0.879	E33123	8124.938C	9275.188	—	5124.938	33024	8024.938	4075.188	5024.938	5624.936	5824.938	5224.3	5324.3	5524.3-24.938
Parakeet	556.5	24/7	0.914	E33124	8124.969	9210.316	—	5124.969	33025	8024.969	4010.316	5024.969	5624.969	5824.969	5224.3	5324.3	5524.3-24.969
Dove	556.5	26/7	0.927	E33125	8124.969	9212.359	—	5124.969	33026	8024.969	4012.359	5024.969	5624.969	5824.969	5224.3	5324.3	5524.3-24.969
Eagle	556.5	30/7	0.953	E33126	8127.100	9314.432	—	5127.100	33027	8027.100	4014.432	5027.100	5627.100	5827.100	5227.3	5327.3	5527.3-27.100
Peacock	605.0	24/7	0.953	E33127	8127.100	9212.332	—	5127.100	33028	8027.100	4012.332	5027.100	5627.100	5827.100	5227.3	5327.3	5527.3-27.100
Squab	605.0	26/7	0.966	E33128	8127.100	9212.377	—	5127.100	33029	8027.100	4012.377	5027.100	5627.100	5827.100	5227.3	5327.3	5527.3-27.100
Teal	605.0	30/19	0.994	E33129	8127.106	9314.441	—	5127.106	33030	8027.106	4014.441	5027.106	5727.106	5827.106	5227.3	5327.3	5527.3-27.106
Swift	636.0	36/1	0.930	E33130	8127.100	9274.148	—	5127.100	33083	8027.100	4074.148	5027.100	5627.100	5827.100	5227.3	5327.3	5527.3-27.100
Kingbird	636.0	18/1	0.940	E33131	8127.100	9275.203	—	5127.100	33031	8027.100	4075.228	5027.100	5627.100	5827.100	5227.3	5327.3	5527.3-27.100
Rook	636.0	24/7	0.977	E33132	8127.106	9212.344	—	5127.106	33032	8027.106	4012.344	5027.106	5627.108	5827.106	5227.3	5327.3	5527.3-27.106
Grosbeak	636.0	26/7	0.990	E33133	8127.106	9212.386	—	5127.106	33033	8027.106	4012.386	5027.106	5627.106	5827.106	5227.3	5327.3	5527.3-27.106
Egret	636.0	30/19	1.019	E33134	8127.106	9314.453	—	5127.106	33034	8027.106	4014.453	5027.106	5627.106	5827.106	5227.3	5327.3	5527.3-27.106
Flamingo	666.6	24/7	1.000	E33135	8127.106	9212.351	—	5127.106	33035	8027.106	4012.351	5027.106	5627.106	5827.106	5227.3	5327.3	5527 3-27.106
Stilt	715.5	24/7	1.036	E33136	8130.109	9312.359	—	5130.109	33084	8030.109	4012.359	5030.109	5630.109	5830.109	5230.3	5330.3	5530.3-30.109

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Quick Reference Guide for Standard Compression Accessories for ACSR Conductors (cont.)

Conductor				Compression Accessories Catalog Numbers													
Code Word	Size	Standing	Dia.	Dead End Assembly	Dead End Body Single Tongue	Steel Component		15° Terminal Connector	Joint Assembly	Aluminum Joint	Steel Joint	Jumper Connector	Straight Terminal Connector	90° Terminal Connector	Repair Sleeve	Tee Tap Open Run	Tee Connector Open Run
						Steel Eye	Steel Clevis										
	kcmil	Al/St	in														
Starling	715.5	26/7	1.051	E33137	8130.109	9314.406	—	5130.109	33037	8030.109	4014.406	5030.109	5630.109	5830.109	5230.3	5330.3	5530.3-30.109
Redwing	715.5	30/19	1.081	E33138	8130.116	9316.500	—	5130.116	33038	8030.116	4016.500	5030.116	5630.116	5830.116	5230.3	5330.3	5530.3-30.116
Coot	795.0	36/1	1.040	E33139	8130.109	9374.160	—	5130.109	33039	8030.109	4074.160	5030.109	5630.109	5830.109	5230.3	5330.3	5530.3-30.109
Tern	795.0	45/7	1.063	E33140	8130.116	9310.277	—	5130.116	33040	8030.116	4010.277	5030.116	5630.116	5830.116	5230.3	5330.3	5530.3-30.116
Condor	795.0	54/7	1.093	E33141	8130.116	9312.386	—	5130.116	33042	8030.116	4012.386	5030.116	5630.116	5830.116	5230.1	5330.3	5530.3-30.116
Drake	795.0	26/7	1.108	E33142	8130.116	9314.432	—	5130.116	33043	8030.116	4014.432	5030.116	5630.116	5830.116	5230.3	5330.3	5530.3-30.116
Mallard	795.0	30/19	1.140	E33143	8130.122	9416.516	—	5130.122	33044	8030.122	4016.516	5030.122	5630.122	5830.122	5230.3	5330.3	5530.3-30.122
Cuckoo	795.0	24/7	1.092	E33141	8130.116	9312.386	—	5130.116	33085	8030.116	4012.386	5030.116	5630.116	5830.116	5230.3	5330.3	5530.3-30.116
Ruddy	900.0	45/7	1.131	E33145	8130.122	9310.302	—	5130.122	33047	8030.122	4010.302	5030.122	5630.122	5830.122	5230.3	5330.3	5530.3-30.122
Canary	900.0	54/7	1.162	E33146	8130.122	9414.406	—	5130.122	33046	8030.122	4014.406	5030.122	5630.122	5830.122	5230.3	5330.3	5530.3-30.122
Catbird	954.0	36/1	1.140	E33147	8130.122	9475.179	—	5130.122	33086	8030.122	4075.179	5030.122	5630.122	5830.122	5230.3	5330.3	5530.3-30.122
Rail	954.0	45/7	1.165	E33148	8130.122	9410.302	—	5130.122	33047	8030.122	4010.302	5030.122	5630.122	5830.122	5230.3	5330.3	5530.3-30.122
Cardinal	954.0	54/7	1.196	E33150	8130.125	9414.422	—	5130.125	33049	8030.125	4014.422	5030.125	5630.125	5830.125	5230.3	5330.3	5530.3-30.125
Tanager	1033.5	36/1	1.186	E33151	8130.125	9475.184	—	5130.125	33087	8030.125	4075.179	5030.125	5630.125	5830.125	5230.3	5330.3	5530.3-30.125
Ortolan	1033.5	45/7	1.212	E33152	8134.128	9410.316	—	5134.128	33050	8034.128	4010.316	5034.128	5634.128	5834.128	5234.3	5334.3	5534.3-34.128
Curlew	1033.5	54/7	1.244	E33154	8134.134	9414.432	—	5134.134	33052	8034.134	4014.432	5034.134	5634.134	5834.134	5234.3	5334.3	5534.3-34.134
Bluejay	1113.0	45/7	1.259	E33155	8134.134	9412.332	—	5134.134	33053	8034.134	4012.332	5034.134	5634.134	5834.134	5234.3	5334.3	5534.3-34.134
Bunting	1192.5	45/7	1.302	E33158	8134.138	E9512.344	—	5134.138	33056	8034.138	4012.344	5034.138	5634.138	5834.138	5234.3	5334.3	5534.3-34.138
Bittern	1272.0	45/7	1.345	E33161	8136.144	E9512.351	—	5136.144	33059	8036.144	4012.351	5036.144	5636.144	5836.144	5236.3	5336.3	5536.3-36.144
Pheasant	1272.0	54/19	1.382	E33163	8136.147	E9616.500	—	5136.147	33061	8036.147	4016.500	5036.147	5636.147	5836.147	5236.3	5336.3	5536.3-36.147
Dipper	1351.5	45/7	1.386	E33164	8136.147	E9612.377	—	5136.147	33062	8036.147	4012.377	5036.147	5636.147	5836.147	5236.3	5336.3	5536.3-36.147
Martin	1351.5	54/19	1.424	E33166	8138.150	E9616.500	—	5138.150	33064	8038.150	4016.500	5038.150	5638.150	5838.150	5238.3	5338.3	5538.3-38.150
Bobolink	1431.0	45/7	1.427	E33167	8138.150	E9612.377	—	5138.150	33065	8038.150	4012.377	5038.150	5638.150	5838.150	5238.3	5338.3	5538.3-38.150
Plover	1431.0	54/19	1.465	E33169	8138.156	E9616.516	—	5138.156	33067	8038.156	4016.516	5038.156	5638.156	5838.156	5238.3	5338.3	5538.3-38.156
Nuthatch	1510.5	45/7	1.466	E33170	8138.156	E9612.386	—	5138.156	33068	8038.156	4012.386	5038.156	5638.156	5838.156	5238.3	5338.3	5538.3-38.156
Parrot	1510.5	54/19	1.506	E33172	8140.162	E9616.531	—	5140.162	33070	8040.162	4016.531	5040.162	5640.162	5840.162	5240.3	5340.3	5540.3-40.162
Lapwing	1590.0	45/7	1.504	E33173	8140.162	E9612.397	—	5140.162	33071	8040.162	4012.397	5040.162	5640.162	5840.162	5240.3	5340.3	5540.3-40.162
Falcon	1590.0	54/19	1.545	E33174	8140.162	E9718.546	—	5140.162	33072	8040.162	4018.546	5040.162	5640.162	5840.162	5240.3	5340.3	5540.3-40.162
Chukar	1780.0	84/19	1.602	E33175	8142.178	E9714.453	—	5142.178	33073	8042.178	4014.453	5042.178	5642.178	5842.178	5242.3	5342.3	5542.3-42.178
----------	2034.0	72/7	1.681	E33177	8142.178C	E9814.359	—	5142.178	33075	8042.178	4014.359	5042.178	5642.178	5842.178	5244.3	5344.3	5544.3-44.175
Bluebird	2156.0	84/19	1.762	E33178	8144.184	E9816.516	—	5144.184	33076	8044.184	4016.516	5044.184	5644.184	5844.184	5244.3	5344.3	5544.3-44.184
Kiwi	2167.0	72/7	1.737	E33179	8144.181	E9812.377	—	5144.181	33077	8044.181	4012.377	5044.181	5644.181	5844.181	5244.3	5344.3	5544.3-44.181
Thrasher	2312.0	76/19	1.802	E33181	8144.188	E9814.422	—	5144.188	33078	8044.188	4014.422	5044.188	5644.188	5844.188	5244.3	5344.3	5544.3-44.188
Joree	2515.0	76/19	1.880	E33182	8148.197	E9814.453	—	5148.197	33080	8048.197	4014.453	5048.197	5648.197	5848.197	5248.3	5348.3	5548.3-48.197

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Quick Reference Guide for Standard Compression Accessories for AAC Conductors

Conductor				Compression Accessories Catalog Number											
Code Word	Size	Stranding	Dia.	Dead End Assembly	Aluminum Body Single Tongue	Steel Component		15° Terminal Connector	Joint Assembly	Jumper Connector	Straight Terminal Connector	90° Terminal Connector	Repair Sleeve	Tee Tap Open Run	Tee Connector Open Run
						Steel Eye	Steel Clevis								
	kcmil	Alum.	in												
Poppy	1/0	7	0.368	—	—	—	—	5173.391	7073.391	5073.391	5673.391	5873.391	5274.2	5374.2	5574.2-73.391
Aster	2/0	7	0.414	C33501	7174.438	—	A100X	5174.438	7074.438	5074.438	5674.438	5874.438	5274.0	5374.0	5574 -74.438
Phlox	3/0	7	0.464	C33502	7174.484	—	A100X	5174.484	7074.484	5074.484	5674.484	5874.484	5274.0	5374.0	5574 -74.484
Oxlip	4/0	7	0.522	C33503	7175.547	—	A102X	5175.547	7075.547	5075.547	5675.547	5875.547	5275.0	5375.0	5575 -75.547
Valerian	250.0	19	0.575	C33504	7175.609	—	A102X	5175.609	7075.609	5075.609	5675.609	5875.609	5275.0	5375.0	—
Laurel	266.8	19	0.593	C33504	7175.609	—	A102X	5175.609	7075.609	5075.609	5675.609	5875.609	5275.0	5375.0	5575 -75.609
Peony	300.0	19	0.629	C33505	7176.656	—	A101X	5176.656	7076.656	5076.656	5676.656	5876.656	5276.0	5376.0	—
Tulip	336.4	19	0.666	C33506	7176.688	—	A103X	5176.688	7076.688	5076.688	5676.688	5876.688	5276.0	5376.0	5576 -76.688
Daffodil	350.0	19	0.679	E33507	7120.719	9100	—	5120.719	7020.719	5020.719	5620.719	5820.719	5276.0	5376.0	—
Canna	397.5	19	0.724	C33508	7176.750	—	A103X	5176.750	7076.750	5076.750	5676.750	5876.750	5276.0	5376.0	5576 -76.750
Goldentuft	450.0	19	0.770	E33509	7120.812	9100	—	5120.812	7020.812	5020.812	5620.812	5820.812	5220.3	5320.3	5520.3-20.812
Yarrow	450.0	37		E33509	7120.812	9100	—	5120.812	7020.812	5020.812	5620.812	5820.812	5220.3	5320.3	5520 3-20 812
Cosmos	477.0	19	0.793	E33509	7120.812	9100	—	5120.812	7020.812	5020.812	5620.812	8520.812	5220.3	5320.3	5520.3-20.812
Syringa	477.0	37	0.795	E33509	7120.812	9100	—	5120.812	7020.812	5020.812	5620.812	8520.812	5224.3	5320.3	5520.3-20.812
Cosmos	477.0	19	0.793	E33510	7124.875	9100	—	5124.875	7024.875	5024.875	5624.875	5824.875	5224.3	5324.3	5524.3-24.875
Syringa	477.0	37	0.795	E33510	7124.875	9100	—	5124.875	7024.875	5024.875	5624.875	5824.875	5224.3	5324.3	5524.3-24.875
Zinnia	500.0	19	0.811	E33510	7124.875	9100	—	5124.875	7024.875	5024.875	5624.875	5824.875	5224.3	5324.3	5524.3-24.875
Hyacinth	500.0	37	0.813	E33510	7124.875	9100	—	5124.875	7024.875	5024.875	5624.875	5824.875	5224.3	5324.3	5524.3-24.875
Dahlia	556.5	19	0.856	E33511	7124.938	9100	—	5124.938	7024.938	5024.938	5624.938	5824.938	5224.3	5324.3	5524.3-24.938
Mistletow	556.5	387	0.858	E33511	7124.938	9100	—	5124.938	7024.938	5024.938	5624.938	5824.938	5224.3	5324.3	5524.3-24.938
Meadowsweet	600.0	37	0.891	E33512	7124.938C	9200	—	5124.938	7024.938	5024.938	5624.938	5824.938	5224.3	5324.3	5524.3-24.938
Orchid	636.0	37	0.918	E33513	7124.969	9200	—	5124.969	7024.969	5024.969	5624.969	5824.969	5224.3	5324.3	5524 3-24.969
Heuchera	650.0	37	0.928	E33513	7124.969	9200	—	5124.969	7024.969	5024.969	5624.969	5824.969	5227.3	5324.3	5524.3-24.969
Flag	700.0	61	0.964	E33514	7127.100	9200	—	5127.100	7027.100	5027.100	5627.100	5827.100	5274.1	5327.3	5527.3-27.100
Violet	715.5	37	0.974	E33515	7127.106	9200	—	5127.106	7027.106	5027.106	5627.106	5827.106	5227.3	5327.3	5527.3-27.106
Nasturtium	715.5	61	0.975	E33515	7127.106	9200	—	5127.106	7027.106	5027.106	5627.106	5827.106	5227.3	5327.3	5527.3-27.106
Petunia	750.0	37	0.997	E33515	7127.106	9200	—	5127.106	7027.106	5027.106	5627.106	5827.106	5227.3	5327.3	5527.3-27.106
Cattail	750.0	61	0.998	E33515	7127.106	9200	—	5127.106	7027.106	5027.106	5627.106	5827.106	5227.3	5327.3	5527.3-27.106
Arbutus	795.0	37	1.026	E33516	7130.109	9300	—	5130.109	7030.109	5030.109	5630.109	5830.109	5230.3	5330.3	5530.3-30.109
Lilac	795.0	61	1.028	E33516	7130.109	9300	—	5130.109	7030.109	5030.109	5630.109	5830.109	5230.3	5330.3	5530.3-30.109
—	800.0	37	1.031	E33516	7130.109	9300	—	5130.109	7030.109	5030.109	5630.109	5830.109	5230.3	5330.3	5530.3-30.109
Heliotrope	800.0	61	1.031	E33516	7130.109	9300	—	5130.109	7030.109	5030.109	5630.109	5830.109	5230.3	5330.3	5530.3-30.109
Snapdragon	900.0	61	1.094	E33517	7130.116	9300	—	5130.116	7030.116	5030.116	5630.116	5830.116	5230.3	5330.3	5530.3-30.116
Magnolia	954.0	37	1.124	E33518	7130.122	9300	—	5130.122	7030.122	5030.122	5630.122	5830.122	5230.3	5330.3	5530.3-30.122
Goldenrod	954.0	61	1.126	E33518	7130.122	9300	—	5130.122	7030.122	5030.122	5630.122	5830.122	5230.3	5330.3	5530.3-30.122
Camellia	1000.0	61	1.152	E33518	7130.122	9300	—	5130.122	7030.122	5030.122	5630.122	5830.122	5230.3	5330.3	5530.3-30.122
Bluebell	1033.5	37	1.170	E33519	7130.122	9400	—	5130.122	7030.122	5030.122	5630.122	5830.122	5230.3	5330.3	5530.3-30.122
Larkspur	1033.5	61	1.172	E33519	7130.122	9400	—	5130.122	7030.122	5030.122	5630.122	5830.122	5230.3	5330.3	5530.3-30.122

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Quick Reference Guide for Standard Compression Accessories for AAC Conductors (cont.)

Conductor				Compression Accessories Catalog Number										
Code Word	Size	Stranding	Dia.	Dead End Assembly	Aluminum Body Single Tongue	Steel Component		15° Terminal Connector	Joint Assembly	Jumper Connector	Straight Terminal Connector	90° Terminal Connector	Repair Sleeve	Tee Tap Open Run	Tee Connector Open Run
						Steel Eye	Steel Clevis								
	kcmil	Alum.	in												
Marigold	1113.0	61	1.216	E33520	7134.128	9400	—	5134.128	7034.128	5034.128	5634.128	5834.128	5234.3	5334.3	5534.3-34.128
Hawthorn	1192.5	61	1.258	E33521	7134.134	9400	—	5134.134	7034.134	5034.134	5634.134	5834.134	5234.3	5334.3	5534.3-34.134
Narcissus	1272.0	61	1.300	E33522	7134.134	E9500	—	5134.134	7034.134	5034.134	5634.134	5834.134	5234.3	5334.3	5534.3-34.134
Columbine	1351.0	61	1.340	E33523	7136.144	E9500	—	5136.144	7036.144	5036.144	5636.144	5836.144	5236.3	5336.3	5536.3-36.144
Carnation	1431.0	61	1.379	E33523	7136.144	E9500	—	5136.144	7036.144	5036.144	5636.144	5836.144	5236.3	5336.3	5536.3-36.144
—	1500.0	91	1.412	E33524	7136.147	E9500	—	5136.147	7036.147	5036.147	5636.147	5836.147	5236.3	5336.3	5536.3-36.147
Gladiolus	1510.5	61	1.187	E33524	7136 147	E9500	—	5136.147	7036.147	5036.147	5636.147	5836.147	5236.3	5336.3	5536.3-36.147
Coreopsis	1590.0	61	1.250	E33525	7138.156	E9600	—	5138.156	7038.156	5038.156	5638.156	5838.156	5238.3	5338.3	5536.3-38.156
Dogwood	1590.0	91	—	E33525	7138.156	E9600	—	5138.156	7038.156	5038.156	5638.156	5838.156	5238.3	5338.3	5538.3-38.156
Jessamine	1750.0	61	1.525	E33526	7140.162	E9600	—	5140.162	7040.162	5040.162	5640.162	5840.162	5240.3	5340.3	5540.3-40.162
Cowslip	2000.0	91	1.630	E33527	7142.178	E9700	—	5142.178	7042.178	5042.178	5642.178	5842.178	5242.3	5342.3	5542.3-42.178
Sagebrush	2250.0	91	1.729	E33528	7144.181	E9800	—	5144.181	7044.181	5044.181	5644.181	5844.181	5244.3	5344.3	5544.3-44.181
—	2300.0	61	—	E33528	7144.181	E9800	—	5144.181	7044.181	5044.181	5644.181	5844.181	5244.3	5344.3	5544.3-44.181
—	2300.0	91	—	E33528	7144.181	E9800	—	5144.181	7044.181	5044.181	5644.181	5844.181	5244.3	5344.3	5544.3-44.181
Lupine	2500.0	91	1.823	E33529	7144.188	E9800	—	5144.188	7044.188	5044.188	5644.188	5844.188	5244.3	5344.3	5544.3-44.188
Bitterroot	2750.0	91	1.912	E33530	7148.197	E9800	—	5148.197	7048.197	5048.197	5648.197	5848.197	5248.3	5348.3	5548.3-48.197
—	2300.0	61		E33528	7144.181	E9800		5144.181	7044.181	5044.181	5644.181	5844.181	5244.3	5344.3	5544.3-44.181
—	2300.0	91		E33528	7144.181	E9800		5144.181	7044.181	5044.181	5644.181	5844.181	5244.3	5344.3	5544.3-44.181
Lupine	2500.0	91	1.823	E33529	7144.188	E9800		5144.188	7044.188	5044.188	5644.188	5844.188	5244.3	5344.3	5544.3-44.188
Bitterroot	2750.0	91	1.912	E33530	7148.197	E9800		5148.197	7048.197	5048.197	5648.197	5848.197	5248.3	5348.3	5548.3-48.197

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Quick Reference Guide for Standard Compression Accessories for AAAC and ACAR Conductors

Conductor				Compression Accessories Catalog Number						
Code Word	Size		Diameter	Dead End Assembly	Dead End Body Single Tongue	Steel Eye	Adjustable Clevis Assembly	15° Terminal	Compression Joint	Repair Sleeve
	Kcmil	Strand	in							
Akron	30.58	—	0.198	—	—	—	—	—	7506.250	—
Alton	48.69	—	0.250	—	—	—	—	—	7506.298	—
Ames	77.47	—	0.316	—	—	—	—	—	7509.375	—
Azuza	123.3	—	0.398	—	—	—	—	—	7511.453	5274
—	155.4	4/3	0.447	E33703	7612.484	9000	—	5112.484	—	5274
Anaheim	155.4	7	0.447	E33703	7612.484	9000	—	5112.484	7512.484	5274
—	195.7	4/3	0.502	E33704	7613.542	9000	—	5113.542	—	5275
Amherst	195.7	7	0.502	E33704	7613.542	9000	—	5113.542	7513.542	5275
—	246.9	4/3	0.563	E33705	7613.625	9000	—	5113.625	—	5275
Alliance	246.9	7	0.563	E33705	7613.625	9000	—	5113.625	7513.625	5275
Butte	312.8	19	0.642	E33707	7614.719	9100	—	5114.719	7514.719	5276
—	355.1		0.684	—	—	—	—	—	7514.719	5276
Canton	394.5	19	0.721	E33708	7624.781	9200	C43408	5124.781	7524.781	5220.3
—	419.6		0.743	—	—	—	—	—	7524.781	5220.3
Cairo	465.4	19	0.783	E33709	7624.875C	9200	C43409	5124.875	7524.875	5220.3
—	503.6	15/4	0.814	E33709	7624.875C	9200	C43409	5124.875	7524.875	5220.3
Darien	559.5	19	0.858	E33710	7627.906	9300	C43410	5127.906	7527.906	5224.3
—	561.1	—	0.862	—	—	—	—	—	7527.906	5224.3
—	587.2	—	0.879	—	—	—	—	—	7527.938	5224.3
—	634.9	12/7	0.914	E33712	7627.100	9200	C43412	5127.100	—	5224.3
—	649.5	18/19	0.928	E33716	7672.100C	9300	C43416	5127.100	—	5224.3
—	649.5	24/13	0.928	E33716	7672.100C	9300	C43416	5127.100	—	5224.3
—	649.5	30/7	0.928	E33716	7672.100C	9300	C43416	5127.100	—	5224.3
Elgin	652.4	19	0.927	E33713	7627.109	9300	C43413	5130.109	7530.109	5224.3
—	657.3	15/4	0.930	E33712	7630.100	9200	C43412	5127.100	—	5224.3
Flint	740.8	37	0.991	E33713	7630.109	9300	—	5130.109	7530.109	5227.3
—	751.4	—	0.609	—	—	—	—	—	7513.688	5276
—	853.7	18/19	1.063	E33717	7630.116	9300	C43417	5130.116	—	5230.3
—	853.7	24/13	1.063	E33717	7630.116	9300	C43417	5130.116	—	5230.3
—	853.7	30/7	1.063	E33717	7634.116	9300	C43417	5130.116	—	5230.3
Greeley	927.2	37	1.108	E33714	7634.122	9300	—	5134.122	7534.122	5230.3
—	927.2	18/19	1.108	E33714	7634.122	9300	C43414	5134.122	—	5230.3
—	927.2	24/13	1.108	E33714	7634.122	9300	C43414	5134.122	—	5230.3
—	927.2	30/7	1.108	E33714	7634.122	9300	C43414	5134.122	—	5230.3
—	1024.5	18/19	1.165	E33714	7634.122	9300	C43414	5134.122	—	5230.3
—	1024.5	24/13	1.165	E33714	7634.122	9300	C43414	5134.122	—	5230.3
—	1024.5	30/7	1.165	E33714	7634.122	9300	C43414	5134.122	—	5230.3
—	1080.6	18/19	1.196	E33716	7634.128	9400	C43415	5134.128	—	5230.3

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Quick Reference Guide for Standard Compression Accessories for AAAC and ACAR Conductors (cont.)

Conductor				Compression Accessories Catalog Number						
Code Word	Size		Diameter	Dead End Assembly	Dead End Body Single Tongue	Steel Eye	Adjustable Clevis Assembly	15° Terminal	Compression Joint	Repair Sleeve
	Kcmil	Strand	in							
—	1080.6	24/13	1.196	E33716	7634.128	9400	C43415	5134.128	—	5230.3
—	1080.6	30/7	1.196	E33716	7634.128	9400	C43415	5134.128	—	5230.3
—	1127.0	42/19	1.222	E33723	7638.138	E9500	—	5138.138	—	5234.3
—	1172.3	18/19	1.246	E33715	7634.128	9400	C43415	5134.128	—	5234.3
—	1172.3	24/13	1.246	E33715	7634.128	9400	C43415	5134.128	—	5234.3
—	1180.6	24/13	1.212	E33715	7634.128	9400	C43415	5134.128	—	5234.3
—	1534.0	42/19	1.427	E33718	7638.150	E9600	C43418	5138.150	—	5238.3
—	1534.0	54/7	1.427	E33718	7638.150	E9600	C43418	5138.150	—	5238.3
—	1691.0	—	1.498	E33722	7644.159	E9700	—	5144.159	—	5240.3
—	1700.0	42/19	1.502	E33719	7640.162	E9600	C43419	5140.162	—	5240.3
—	1700.0	54/7	1.502	E33719	7640.162	E9600	C43419	5140.162	—	5240.3
—	2303.5	54/37	1.750	E33720	7648.184	E9800	—	5148.184	—	5244.3
—	2303.5	63/28	1.750	E33720	7648.184	E9800	—	5148.184	—	5244.3
—	2338.0	42/19	1.762	E33720	7648.184	E9800	—	5148.184	—	5244.3

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Quick Reference Guide for Standard Compression Accessories for EHS ACSR, Steel Ground Wire, Alumoweld® and AWAC

Conductor Size				Compression Accessories								
Code Word	AWG or kcmil	Stranding		Aluminum Dead End Single Tongue	Steel Component		15° Terminal Connector	Compression Joint		Jumper Connector	Straight Terminal Connector	90° Terminal Connector
		Al	Steel		Eye	Clevis		Al	Steel			
EHS ACSR												
Petrel	101.8	12	7	8320.500	9110.295	—	5174.484	8420.500	4010.295	—	—	—
Minorca	110.8	12	7	8320.531	9110.302	—	5174.500	8420.531	4010.302	—	—	—
Leghorn	134.6	12	7	8324.562	9112.332	—	5175.547	8424.562	4012.332	—	—	—
Guinea	159	12	7	8324.625	9112.377	—	5175.609	8424.625	4012.377	—	—	—
Dotteral	176.9	12	7	8324.656	9112.386	—	5176.656	8424.656	4012.386	—	—	—
Dorking	190.8	12	7	8324.688	9214.406	—	5176.688	8424.688	4014.406	—	—	—
Brahma	203.2	16	19	8330.750	9316.516	—	5176.750	8430.750	4016.516	—	—	—
Cochin	211.3	12	7	8324.719	9214.422	—	5176.719	8424.719	4014.422	—	—	—
STEEL GROUND WIRE												
—	5/16 GW	—	—	See Page 107			5173.357	4912.332	—	5073.357	5673.357	5873.357
—	3/8 GW	—	—				5173.391	4914.386	—	5074.438	5673.391	5873.391
—	7/16 GW	—	—				5175.547	4916.453	—	5075.547	5675.547	5875.547
—	1/2 GW	—	—				5175.547	4918.531	—	5075.547	5675.547	5875.547
ALUMOWELD STRAND												
—	3 NO 10	—	—	See Page 107			5172.281	4910.251	—	5072.281	5672.281	5872.281
—	3 NO 9	—	—				5172.281	4910.281	—	5072.281	5672.281	5872.281
—	3 NO 8	—	—				5106.312	4910.295	—	5072.312	5606.312	5806.312
—	3 NO 7	—	—				5109.344	4910.324	—	5009.344	5609.344	5809.344
—	3 NO 6	—	—				5109.375	4912.351	—	5009.375	5609.375	5809.375
—	3 NO 5	—	—				5174.438	4914.406	—	5074.438	5674.438	5874.438
—	7 NO 10	—	—				5106.344	4912.330	—	5009.344	5606.344	5806.344
—	7 NO 9	—	—				5173.391	4912.359	—	5073.391	5673.391	5873.391
—	7 NO 8	—	—				5174.438	4914.406	—	5074.438	5674.438	5874.438
—	7 NO 7	—	—				5174.484	4916.484	—	5074.484	5674.484	5874.484
—	7 NO 6	—	—				5175.547	4916.531	—	5075.547	5675.547	5875.547
—	7 NO 5	—	—				5175.609	4918.594	—	5075.609	5675.609	5875.609
—	19 NO 10	—	—				5175.547	4918.530	—	—	—	—
—	19 NO 9	—	—				5176.656	4920.625	—	5076.656	5676.656	5876.656
AWAC												
—	4	6	1	—	—	—	—	7506.298	—	—	—	—
—	4	5	2	—	—	—	—	8508.312	—	—	—	—
—	4	4	3	—	—	—	—	8510.344	—	—	—	—
—	2	6	1	—	—	—	—	7509.375	—	—	—	—
—	2	5	2	—	—	—	—	8510.344	—	—	—	—
—	2	4	3	—	—	—	—	8511.438	—	—	—	—
—	1/0	6	1	8611.453	—	A100X	5111.453	7511.453	—	—	5611.453	5811.453
—	1/0	5	2	8612.516	—	A100X	5112.516	8512.516	—	—	5612.516	5812.516
—	1/0	4	3	8613.531	—	A102X	5113.531	8513.531	—	—	5613.531	5813.531
—	2/0	6	1	8612.484	—	A100X	5124.484	7512.484	—	—	5612.484	5812.484
—	2/0	5	2	8613.542	—	A102X	5113.542	8513.542	—	—	5613.542	5813.542
—	2/0	4	3	8676.594	—	A102X	5176.594	8576.594	—	—	5676.594	5876.594
—	4/0	6	1	8613.625	—	A102X	5113.625	7513.625	—	—	5613.625	5813.625
—	4/0	15	4	8676.656	—	A102X	5176.656	8576.656	—	—	5676.656	5876.656
—	336.4	18	1	8676.719	—	A101X	5176.719	8576.719	—	—	5676.719	5876.719

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Standard Compression Catalog Numbering System

TYPE OF ACCESSORY	DIE SIZE	BORE CODE
80	44	184

The simplified AFL catalog numbering system for compression accessories facilitates specifying, ordering and inventory control. The catalog number is stamped on each compression accessory for easy and positive field identification.

Example: Catalog No. 8130.116

The catalog number shown (8130.116) is an ACSR dead end body with a single tongue (81), requiring a size 30AH compressor die (30) and for a conductor size which utilizes the given bore code (116).

Type of Accessory

Steel Ground Wire or Alumoweld
- 45 ..... Dead End
- 49 ..... Joint

All Conductor Types (except Steel Ground Wire and Alumoweld)
- 52 ..... Repair Sleeve

All Conductor Types
- 50 ..... Jumper (Loop) Connector
- 51 ..... 15° Terminal Connector
- 53 ..... Tee Tap (cable/flat) Open Run
- 55 ..... Tee Connector (cable/cable) Open Run
- 56 ..... Straight Terminal Connector
- 58 ..... 90° Terminal Connector

AAC Conductors
- 70 ..... Joint
- 71 ..... Dead End Body (single tongue)
- 72 ..... Dead End Body (double tongue)

ACAR and ACAR Alloy Conductors
- 75 ..... Joint
- 76 ..... Dead End Body (single tongue)
- 77 ..... Dead End Body (double tongue)

ACSR Conductors
- 80 ..... Joint
- 81 ..... Dead End Body (single tongue)
- 82 ..... Dead End Body (double tongue)

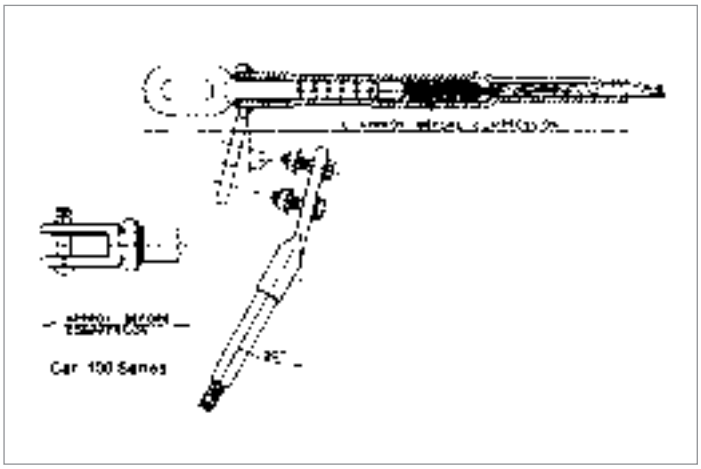
EHS ACSR Conductors
- 83 ..... Dead End Body (single tongue)
- 84 ..... Joint

AWAC Conductors
- 85 ..... Joint
- 86 ..... Dead End Body (single tongue)

Single Components
- 40 ..... Steel Sleeve
- C61-C68..... Adjustable Clevis Dead Ends
- 90-94 and E95-E98 ..... Eye Dead Ends
- 100-103 and A100X-A103X ... Clevis Dead Ends

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Compression Dead Ends—33100 Series for ACSR Conductor, Eye or Clevis Type, Single Tongue



The 33100 Series Dead End Assembly is specifically designed for ACSR conductors. The aluminum body of the dead end is fabricated from AFL seamless drawn aluminum. The tongue and terminal pad are constructed with a 15° angle, which permits the terminal connector to be bolted in the straight or 30° position.

All dead ends are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor on which they are used. Each dead end assembly comes with a dead end body, steel eye or clevis, 15° terminal and aluminum hardware.

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. Corona bolts are furnished as standard on 15° terminals for these section sizes.

The square edges of bolted pads on compression accessories could cause Corona in environments greater than or equal to 345 kV. Pads with edges and corners rounded can be supplied by adding the catalog suffix "EHV".

Ordering Instructions

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector
For an assembly without a terminal connector, use 'NT'.
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'.
For Standard Finish, leave blank.

Step 4: Assemble Catalog Number.

Assy Catalog Number + **Terminal Connector** + **EHV Finish**

Example:
For 795 Drake conductor with no terminal and EHV finish, the complete catalog number is:

E33142NTEHV

Notes:
1. Eye and Clevis Dimensions are on page 119.
2. Pad Dimensions are on page 117.
3. AFL Filler Compound (AFC) Requirements are on page 115.
4. Installation Instructions for Dead Ends are on page 127.
5. Installation Instructions for Terminals are on page 131.

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Compression Dead Ends—33100 Series for ACSR Conductor, Eye or Clevis Type, Single Tongue (cont.)

DEAD END ASSEMBLY CATALOG NUMBER	CONDUCTOR				ALUMINUM BODY SINGLE TONGUE	STEEL COMPONENT		15° TERMINAL CONNECTOR	DIE SIZE		TOTAL WEIGHT		DIMENSION L		PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.		STEEL EYE	STEEL CLEVIS		ALUMINUM HEX DIES	STEEL HEX DIES	LBS	KG	IN	MM	
		KCMIL	AL/ST	IN											
C33102	Raven	1/0	6/1	0.398	8174.438	—	100.14	5174.438	74AH	74SH	2.3	1.06	14.4	365	B
C33103	Quail	2/0	6/1	0.447	8174.484	—	100.16	5174.484	74AH	74SH	2.0	0.92	14.4	365	B
C33104	Pigeon	3/0	6/1	0.502	8175.547	—	102.17	5175.547	75AH	75SH	3.9	1.74	17.3	438	B
C33105	Penguin	4/0	6/1	0.563	8175.609	—	102.20	5175.609	75AH	75SH	3.6	1.64	17.3	438	B
C33106	Waxwing	266.8	18/1	0.609	8176.656	—	101.13	5176.656	76AH	74SH	4.2	1.91	18.4	467	B
C33107	Owl	266.8	6/7	0.633	8176.688	—	103.22	5176.688	76AH	76SH	4.1	1.85	18.1	460	B
C33108	Partridge	266.8	26/7	0.642	8176.688	—	103.25	5176.688	76AH	76SH	4.1	1.85	18.1	460	B
C33109	Ostrich	300.0	26/7	0.680	8176.719	—	103.26	5176.719	76AH	76SH	4.0	1.80	18.1	460	B
C33110	Merlin	336.4	18/1	0.684	8176.719	—	101.14	5176.719	76AH	74SH	3.9	1.76	18.1	460	B
C33111	Linnet	336.4	26/7	0.721	8176.781	—	103.28	5176.781	76AH	76SH	3.7	1.68	18.1	460	B
C33112	Chickadee	397.5	18/1	0.743	8176.781	—	101.16	5176.781	76AH	74SH	3.6	1.64	18.1	460	B
E33113	Linnet	336.4	26/7	0.721	8120.781	9110.277	—	5120.781	20AH	10SH	4.8	2.18	23.3	592	B
E33114	Oriole	336.4	30/7	0.741	8120.781	9110.332	—	5120.781	20AH	10SH	4.8	2.18	23.3	592	B
E33115	Chickadee	397.5	18/1	0.743	8120.781	9174.160	—	5120.781	20AH	74SH	4.6	2.09	23.3	592	B
E33116	Brant	397.5	24/7	0.772	8120.812	9110.261	—	5120.812	20AH	10SH	4.5	2.05	22.6	575	B
E33117	Ibis	397.5	26/7	0.783	8120.844	9110.302	—	5120.844	20AH	10SH	4.4	1.99	22.6	575	B
E33118	Lark	397.5	30/7	0.806	8120.844	9112.359	—	5120.844	20AH	12SH	4.5	2.03	22.6	575	B
E33119	Pelican	477.0	18/1	0.814	8124.875	9175.179	—	5124.875	24AH	75SH	5.6	2.55	21.6	548	B
E33120	Flicker	477.0	24/7	0.846	8124.938	9110.295	—	5124.938	24AH	10SH	5.8	2.64	22.7	576	B
E33121	Hawk	477.0	26/7	0.858	8124.938	9112.332	—	5124.938	24AH	12SH	5.9	2.68	22.7	576	B
E33122	Hen	477.0	30/7	0.883	8124.938C	9212.397	—	5124.938	24AH	12SH	5.9	2.68	22.8	579	B
E33123	Osprey	556.5	18/1	0.879	8124.938C	9275.188	—	5124.938	24AH	75SH	6.4	2.90	22.8	579	B
E33124	Parakeet	556.5	24/7	0.914	8124.969	9210.316	—	5124.969	24AH	10SH	6.4	2.90	23.3	592	B
E33125	Dove	556.5	26/7	0.927	8124.969	9212.359	—	5124.969	24AH	12SH	6.4	2.90	23.3	592	B
E33126	Eagle	556.5	30/7	0.953	8127.100	9314.432	—	5127.100	27AH	14SH	9.0	4.08	25.0	635	D
E33127	Peacock	605.0	24/7	0.953	8127.100	9212.332	—	5127.100	27AH	12SH	8.0	3.63	24.8	630	D
E33128	Squab	605.0	26/7	0.966	8127.100	9212.377	—	5127.100	27AH	12SH	8.0	3.63	24.8	630	D
E33129	Teal	605.0	30/19	0.994	8127.106	9314.441	—	5127.106	27AH	14SH	8.9	4.03	25.0	635	D
E33130	Swift	636.0	36/1	0.930	8127.100	9274.148	—	5127.100	27AH	74SH	7.7	3.49	24.8	630	D
E33131	Kingbird	636.0	18/1	0.940	8127.100	9275.203	—	5127.100	27AH	75SH	7.7	3.49	24.8	630	D
E33132	Rook	636.0	24/7	0.977	8127.106	9212.344	—	5127.106	27AH	12SH	7.9	3.58	24.8	630	D
E33133	Grosbeak	636.0	26/7	0.990	8127.106	9212.386	—	5127.106	27AH	12SH	7.9	3.58	24.8	630	D
E33134	Egret	636.0	30/19	1.019	8127.106	9314.453	—	5127.106	27AH	14SH	8.9	4.03	25.0	635	D
E33135	Flamingo	666.6	24/7	1.000	8127.106	9212.351	—	5127.106	27AH	12SH	7.9	3.58	24.8	630	D
E33136	Stilt	715.5	24/7	1.036	8130.109	9312.359	—	5130.109	30AH	12SH	10.5	4.76	25.4	645	D
E33137	Starling	715.5	26/7	1.051	8130.109	9314.406	—	5130.109	30AH	14SH	10.7	4.85	25.4	645	D
E33138	Redwing	715.5	30/19	1.081	8130.116	9316.500	—	5130.116	30AH	16SH	10.5	4.76	25.9	657	D
E33139	Coot	795.0	36/1	1.040	8130.109	9374.160	—	5130.109	30AH	74SH	10.2	4.54	25.4	645	D
E33140	Tern	795.0	45/7	1.063	8130.116	9310.277	—	5130.116	30AH	10SH	10.1	4.58	25.9	657	D
E33141	Condor	795.0	54/7	1.093	8130.116	9312.386	—	5130.116	30AH	12SH	10.3	4.67	25.9	657	D
E33142	Drake	795.0	26/7	1.108	8130.116	9314.432	—	5130.116	30AH	14SH	10.5	4.76	25.9	657	D
E33143	Mallard	795.0	30/19	1.140	8130.122	9416.516	—	5130.122	30AH	16SH	10.8	4.89	26.5	673	D
E33141	Cuckoo	795.0	24/7	1.092	8130.116	9312.386	—	5130.116	30AH	12SH	10.3	4.67	25.9	657	D
E33145	Ruddy	900.0	45/7	1.131	8130.122	9310.302	—	5130.122	30AH	10SH	10.0	4.53	26.4	683	D

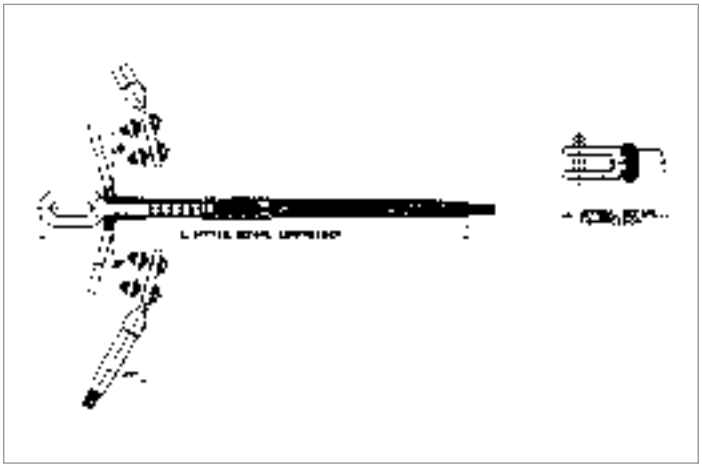
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Compression Dead Ends—33100 Series for ACSR Conductor, Eye or Clevis Type, Single Tongue (cont.)

DEAD END ASSEMBLY CATALOG NUMBER	CONDUCTOR				ALUMINUM BODY SINGLE TONGUE	STEEL COMPONENT		15° TERMINAL CONNECTOR	DIE SIZE		TOTAL WEIGHT		DIMENSION L		PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.		STEEL EYE	STEEL CLEVIS		ALUMINUM HEX DIES	STEEL HEX DIES	LBS	KG	IN	MM	
		KCMIL	AL/ST	IN											
E33146	Canary	900.0	54/7	1.162	8130.122	9414.406	—	5130.122	30AH	14SH	10.8	4.89	26.5	673	D
E33147	Catbird	954.0	36/1	1.140	8130.122	9475.179	—	5130.122	30AH	75SH	10.4	4.71	26.5	673	D
E33148	Rail	954.0	45/7	1.165	8130.122	9410.302	—	5130.122	30AH	10SH	10.4	4.71	26.5	673	D
E33150	Cardinal	954.0	54/7	1.196	8130.125	9414.422	—	5130.125	30AH	14SH	10.8	4.89	27.3	692	D
E33151	Tanager	1033.5	36/1	1.186	8130.125	9475.184	—	5130.125	30AH	75SH	10.4	4.71	27.3	692	D
E33152	Ortolan	1033.5	45/7	1.212	8134.128	9410.316	—	5134.128	34AH	10SH	13.3	6.03	27.5	699	D
E33154	Curlew	1033.5	54/7	1.244	8134.134	9414.432	—	5134.134	34AH	14SH	13.1	5.94	28.1	714	D
E33155	Bluejay	1113.0	45/7	1.259	8134.134	9412.332	—	5134.134	34AH	12SH	12.8	5.81	28.1	714	D
E33158	Bunting	1192.5	45/7	1.302	8134.138	E9512.344	—	5134.138	34AH	12SH	12.9	5.85	28.2	716	D
E33161	Bittern	1272.0	45/7	1.345	8136.144	E9512.351	—	5136.144	36AH	12SH	14.2	6.43	28.3	719	D
E33163	Pheasant	1272.0	54/19	1.382	8136.147	E9616.500	—	5136.147	36AH	16SH	14.9	6.75	28.6	725	D
E33164	Dipper	1351.5	45/7	1.385	8136.147	E9612.377	—	5136.147	36AH	12SH	14.4	6.53	28.6	725	D
E33166	Martin	1351.5	54/19	1.424	8138.150	E9616.500	—	5138.150	38AH	16SH	16.8	7.62	28.8	732	D
E33167	Bobolink	1431.0	45/7	1.427	8138.150	E9612.377	—	5138.150	38AH	12SH	16.3	7.40	28.8	732	D
E33169	Plover	1431.0	54/19	1.465	8138.156	E9616.516	—	5138.156	38AH	16SH	16.4	7.44	28.8	732	D
E33170	Nuthatch	1510.5	45/7	1.466	8138.156	E9612.386	—	5138.156	38AH	12SH	15.9	7.22	28.8	732	D
E33172	Parrot	1510.5	54/19	1.506	8140.162	E9616.531	—	5140.162	40AH	16SH	19.6	8.88	29.7	754	E
E33173	Lapwing	1590.0	45/7	1.504	8140.162	E9612.397	—	5140.162	40AH	12SH	19.1	8.66	29.7	759	E
E33174	Falcon	1590.0	54/19	1.545	8140.162	E9718.546	—	5140.162	40AH	18SH	20.8	9.43	29.8	757	E
E33175	Chukar	1780.0	84/19	1.602	8142.178	E9714.453	—	5142.178	42AH	14SH	21.1	9.57	31.0	787	E
E33177	—	2034.0	72/7	1.681	8142.178C	E9814.359	—	5142.176	42AH	14SH	22.6	10.26	31.3	795	E
E33178	Bluebird	2156.0	84/19	1.762	8144.184	E9816.516	—	5144.184	44AH	16SH	23.0	10.43	28.9	734	E
E33179	Kiwi	2167.0	72/7	1.737	8144.181	E9812.377	—	5144.181	44AH	12SH	23.5	10.65	30.9	784	E
E33181	Thrasher	2312.0	76/19	1.802	8144.188	E9814.422	—	5144.188	44AH	14SH	23.1	10.47	30.9	784	E
E33182	Joree	2515.0	76/19	1.880	8148.197	E9814.453	—	5148.197	48AH	14SH	29.2	13.25	33.3	846	E

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Compression Dead Ends—33300 Series for ACSR Conductor, Eye or Clevis Type, Double Tongue



The 33300 Series Double Tongue Dead End Assembly is specifically designed for ACSR conductors. The aluminum body of the dead end is fabricated from AFL seamless drawn aluminum. The tongue and terminal pad are constructed with a 15° angle, which permits the terminal connector to be bolted in the straight or 30° position.

All dead ends are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor on which they are used. Each dead end assembly comes with a dead end body, steel eye or clevis, two 15° terminals and aluminum hardware.

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. Corona bolts are furnished as standard on 15° terminals for these section sizes.

The square edges of bolted pads on compression accessories could cause Corona in environments greater than or equal to 345 kV. Pads with edges and corners rounded can be supplied by adding the catalog suffix "EHV".

Ordering Instructions

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector
For an assembly without a terminal connector, use 'NT'.
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'.
For Standard Finish, leave blank.

Step 4: Assemble Catalog Number.

Assy Catalog Number + **Terminal Connector** + **EHV Finish**

Example:
For 795 Drake Conductor with no terminal and EHV finish, the complete catalog number is:

E33342NTEHV

Notes:
1. Eye and Clevis Dimensions are on page 119.
2. Pad Dimensions are on page 117.
3. AFL Filler Compound (AFC) Requirements are on page 115.
4. Installation Instructions for Dead Ends are on page 127.
5. Installation Instructions for Terminals are on page 131.

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Compression Dead Ends—33300 Series for ACSR Conductor, Eye or Clevis Type, Double Tongue (cont.)

DEAD END ASSEMBLY CATALOG NUMBER	CONDUCTOR				ALUMINUM BODY DOUBLE TONGUE	STEEL COMPONENT		15° TERMINAL CONNECTOR	DIE SIZE		TOTAL WEIGHT		DIMENSION L		PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.		STEEL EYE	STEEL CLEVIS		ALUMINUM HEX DIES	STEEL HEX DIES	LBS	KG	IN	MM	
		KCMIL	AL/ST	IN											
C33301	Grouse	80.0	8/1	0.367	8274.438S	—	102.17	5174.438	74AH	75SH	3.8	1.74	16.1	409	B
C33302	Raven	1/0	6/1	0.398	8274.438	—	100.14	5174.438	74AH	74SH	3.0	1.38	14.4	365	B
C33303	Quail	2/0	6/1	0.447	8274.484	—	100.16	5174.484	74AH	74SH	2.7	1.23	14.4	365	B
C33304	Pigeon	3/0	6/1	0.502	8275.547	—	102.17	5175.547	75AH	75SH	4.3	1.92	17.3	438	B
C33305	Penguin	4/0	6/1	0.563	8275.609	—	102.2	5175.609	75AH	75SH	4.0	1.82	17.3	438	B
C33306	Waxwing	266.8	18/1	0.609	8276.656	—	101.13	5176.656	76AH	74SH	4.6	2.09	18.4	467	B
C33307	Owl	266.8	6/7	0.633	8276.688	—	103.22	5176.688	76AH	76SH	4.5	2.03	18.1	460	B
C33308	Partridge	266.8	26/7	0.642	8276.688	—	103.25	5176.688	76AH	76SH	4.5	2.03	18.1	460	B
C33309	Ostrich	300.0	26/7	0.680	8276.719	—	103.26	5176.719	76AH	76SH	4.4	1.98	18.1	460	B
C33310	Merlin	336.4	18/1	0.684	8276.719	—	101.14	5176.719	76AH	74SH	4.3	1.94	18.1	460	B
C33311	Linnet	336.4	26/7	0.721	8276.781	—	103.28	5176.781	76AH	76SH	4.1	1.87	18.1	460	B
C33312	Chickadee	397.5	18/1	0.743	8276.781	—	101.16	5176.781	76AH	74SH	4.0	1.83	18.1	460	B
E33313	Linnet	336.4	26/7	0.721	8220.781	9110.277	—	5120.781	20AH	10SH	5.3	2.40	23.3	592	B
E33314	Oriole	336.4	30/7	0.741	8220.781	9110.332	—	5120.781	20AH	10SH	5.3	2.40	23.3	592	B
E33315	Chickadee	397.5	18/1	0.743	8220.781	9174.160	—	5120.781	20AH	74SH	5.1	2.31	23.3	592	B
E33316	Brant	397.5	24/7	0.772	8220.812	9110.261	—	5120.812	20AH	10SH	5.0	2.26	22.6	575	B
E33317	Ibis	397.5	26/7	0.783	8220.844	9110.302	—	5120.844	20AH	10SH	4.9	2.21	22.6	575	B
E33318	Lark	397.5	30/7	0.806	8220.844	9112.359	—	5120.844	20AH	12SH	5.0	2.25	22.6	575	B
E33319	Pelican	477.0	18/1	0.814	8224.875	9175.179	—	5124.875	24AH	75SH	6.1	2.77	21.6	548	B
E33320	Flicker	477.0	24/7	0.846	8224.938	9110.295	—	5124.938	24AH	10SH	6.2	2.82	22.7	576	B
E33321	Hawk	477.0	26/7	0.858	8224.938	9112.332	—	5124.938	24AH	12SH	6.3	2.86	22.7	576	B
E33322	Hen	477.0	30/7	0.883	8224.938C	9212.397	—	5124.938	24AH	12SH	6.8	3.09	22.8	579	B
E33323	Osprey	556.5	18/1	0.879	8224.938C	9275.188	—	5124.938	24AH	75SH	6.5	2.95	22.8	579	B
E33324	Parakeet	556.5	24/7	0.914	8224.969	9210.316	—	5124.969	24AH	10SH	6.6	2.99	23.3	592	B
E33325	Dove	556.5	26/7	0.927	8224.969	9212.359	—	5124.969	24AH	12SH	6.9	3.13	23.3	592	B
E33326	Eagle	556.5	30/7	0.953	8227.100	9314.432	—	5127.100	27AH	14SH	9.8	4.44	25.0	635	D
E33327	Peacock	605.0	24/7	0.953	8227.100	9212.332	—	5127.100	27AH	12SH	8.8	3.99	24.8	630	D
E33328	Squab	605.0	26/7	0.966	8227.100	9212.377	—	5127.100	27AH	12SH	8.8	3.99	24.8	630	D
E33329	Teal	605.0	30/19	0.994	8227.106	9314.441	—	5127.106	27AH	14SH	9.7	4.40	25.0	635	D
E33330	Swift	636.0	36/1	0.930	8227.100	9274.148	—	5127.100	27AH	74SH	8.5	3.85	24.8	630	D
E33331	Kingbird	636.0	18/1	0.940	8227.100	9275.203	—	5127.100	27AH	75SH	8.5	3.85	24.8	630	D
E33332	Rook	636.0	24/7	0.977	8227.106	9212.344	—	5127.106	27AH	12SH	8.7	3.95	24.8	630	D
E33333	Grosbeak	636.0	26/7	0.990	8227.106	9212.386	—	5127.106	27AH	12SH	8.7	3.95	24.8	630	D
E33334	Egret	636.0	30/19	1.019	8227.106	9314.453	—	5127.106	27AH	14SH	9.7	4.40	25.0	635	D
E33335	Flamingo	666.6	24/7	1.000	8227.106	9212.351	—	5127.106	27AH	12SH	8.7	3.95	24.8	630	D
E33336	Stilt	715.5	24/7	1.036	8230.109	9312.359	—	5130.109	30AH	12SH	11.4	5.17	25.4	645	D
E33337	Starling	715.5	26/7	1.051	8230.109	9314.406	—	5130.109	30AH	14SH	11.6	5.26	25.4	645	D
E33338	Redwing	715.5	30/19	1.081	8230.116	9316.500	—	5130.116	30AH	16SH	11.4	5.17	25.9	657	D
E33339	Coot	795.0	36/1	1.040	8230.109	9374.160	—	5130.109	30AH	74SH	11.1	5.03	25.4	645	D
E33340	Tern	795.0	45/7	1.063	8230.116	9310.277	—	5130.116	30AH	10SH	11.0	4.99	25.9	657	D
E33341	Condor	795.0	54/7	1.093	8230.116	9312.386	—	5130.116	30AH	12SH	11.2	5.08	25.9	657	D
E33342	Drake	795.0	26/7	1.108	8230.116	9314.432	—	5130.116	30AH	14SH	11.4	5.17	25.9	658	D

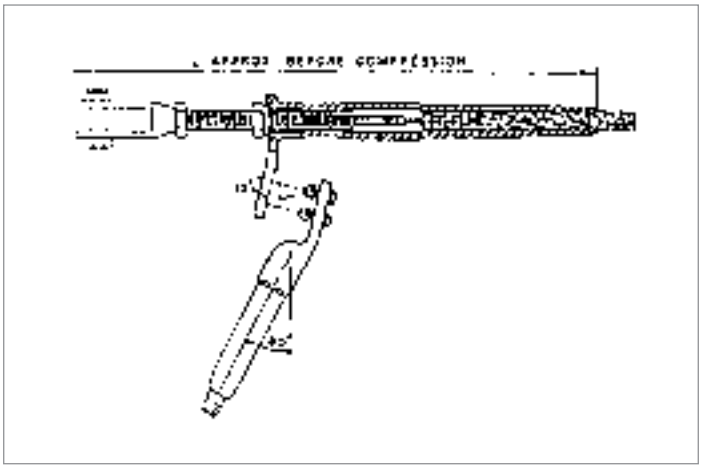
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Compression Dead Ends—33300 Series for ACSR Conductor, Eye or Clevis Type, Double Tongue (cont.)

DEAD END ASSEMBLY CATALOG NUMBER	CONDUCTOR				ALUMINUM BODY DOUBLE TONGUE	STEEL COMPONENT		15° TERMINAL CONNECTOR	DIE SIZE		TOTAL WEIGHT		DIMENSION L		PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.		STEEL EYE	STEEL CLEVIS		ALUMINUM HEX DIES	STEEL HEX DIES	LBS	KG	IN	MM	
		KCMIL	AL/ST	IN											
E33343	Mallard	795.0	30/19	1.140	8230.122	9416.516	—	5130.122	30AH	16SH	11.7	5.30	26.5	673	D
E33341	Cuckoo	795.0	24/7	1.092	8230.116	9312.386	—	5130.116	30AH	12SH	11.2	5.08	25.9	657	D
E33345	Ruddy	900.0	45/7	1.131	8230.122	9310.302	—	5130.122	30AH	10SH	10.9	4.94	26.4	683	D
E33346	Canary	900.0	54/7	1.162	8230.122	9414.406	—	5130.122	30AH	14SH	11.7	5.30	26.5	673	D
E33347	Catbird	954.0	36/1	1.140	8230.122	9475.179	—	5130.122	30AH	75SH	11.5	5.12	26.5	673	D
E33348	Rail	954.0	45/7	1.165	8230.122	9410.302	—	5130.122	30AH	10SH	11.3	5.12	26.5	673	D
E33350	Cardinal	954.0	54/7	1.196	8230.125	9414.422	—	5130.125	30AH	14SH	11.7	5.30	27.3	692	D
E33351	Tanager	1033.5	36/1	1.186	8230.125	9475.184	—	5130.125	30AH	75SH	11.3	5.12	27.3	692	D
E33352	Ortolan	1033.5	45/7	1.212	8234.128	9410.316	—	5134.128	34AH	10SH	14.1	6.39	27.5	699	D
E33354	Curlew	1033.5	54/7	1.244	8234.134	9414.432	—	5134.134	34AH	14SH	13.9	6.30	28.1	714	D
E33355	Bluejay	1113.0	45/7	1.259	8234.134	9412.332	—	5134.134	34AH	12SH	13.6	6.17	28.1	714	D
E33358	Bunting	1192.5	45/7	1.302	8234.138	E9512.344	—	5134.138	34AH	12SH	13.7	6.21	28.2	716	D
E33361	Bittern	1272.0	45/7	1.345	8236.144	E9512.351	—	5136.144	36AH	12SH	15.0	6.80	28.3	719	D
E33363	Pheasant	1272.0	54/19	1.382	8236.147	E9616.500	—	5136.147	36AH	16SH	15.7	7.12	28.6	725	D
E33364	Dipper	1351.5	45/7	1.385	8236.147	E9612.377	—	5136.147	36AH	12SH	15.2	6.90	28.6	725	D
E33366	Martin	1351.5	54/19	1.424	8238.150	E9616.500	—	5138.150	38AH	16SH	17.7	8.02	28.8	732	D
E33367	Bobolink	1431.0	45/7	1.427	8238.150	E9612.377	—	5138.150	38AH	12SH	15.2	7.80	28.8	732	D
E33369	Plover	1431.0	54/19	1.465	8238.156	E9616.516	—	5138.156	38AH	16SH	17.3	7.85	28.8	732	E
E33370	Nuthatch	1510.5	45/7	1.466	8238.156	E9612.386	—	5138.156	38AH	12SH	16.8	7.63	28.8	732	E
E33372	Parrot	1510.5	54/19	1.506	8240.162	E9616.531	—	5140.162	40AH	16SH	21.4	9.70	29.7	754	E
E33373	Lapwing	1590.0	45/7	1.504	8240.162	E9612.397	—	5140.162	40AH	12SH	20.9	9.48	29.7	759	E
E33374	Falcon	1590.0	54/19	1.545	8240.162	E9718.546	—	5140.162	40AH	18SH	22.6	10.25	29.8	757	E
E33375	Chukar	1780.0	84/19	1.602	8242.178	E9714.453	—	5142.178	42AH	14SH	21.6	9.80	31.0	787	E
E33377	—	2034.0	72/7	1.681	8242.178C	E9814.359	—	5142.178	42AH	14SH	23.1	10.48	31.3	795	E
E33378	Bluebird	2156.0	84/19	1.762	8244.184	E9816.516	—	5144.184	44AH	16SH	23.4	10.61	28.9	734	E
E33379	Kiwi	2167.0	72/7	1.737	8244.181	E9812.377	—	5144.181	44AH	12SH	23.9	10.83	30.9	784	E
E33381	Thrasher	2312.0	76/19	1.802	8244.188	E9814.422	—	5144.188	44AH	14SH	23.5	10.66	30.9	784	E
E33382	Joree	2515.0	76/19	1.880	8248.197	E9814.453	—	5148.197	48AH	14SH	30.5	13.84	33.3	846	E

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Compression Dead Ends—43600 Series for ACSR Conductor, Adjustable Clevis Type, Single Tongue



The 43600 Series Adjustable Clevis Dead End Assembly is specifically designed for ACSR conductors. The aluminum body of the dead end is fabricated from AFL seamless drawn aluminum. The tongue and terminal pad are constructed with a 15° angle, which permits the terminal connector to be bolted in the straight or 30° position.

All dead ends are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor on which they are used. Each dead end assembly comes with a dead end body, adjustable steel clevis, 15° terminal and aluminum hardware.

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. Corona bolts are furnished as standard on 15° terminals for these section sizes.

The square edges of bolted pads on compression accessories could cause Corona in environments greater than or equal to 345 kV. Pads with edges and corners rounded can be supplied by adding the catalog suffix "EHV".

Ordering Instructions

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector
For an assembly without a terminal connector, use 'NT'.
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'.
For Standard Finish, leave blank.

Step 4: Assemble Catalog Number.

Assy Catalog Number + **Terminal Connector** + **EHV Finish**

Example:
For 795 Drake conductor with no terminal and EHV finish, the complete catalog number is:

C43642NTEHV

Notes:
1. Adjustable Clevis Dimensions are on page 120.
2. Pad Dimensions are on page 117.
3. AFL Filler Compound (AFC) Requirements are on page 115.
4. Installation Instructions for Dead Ends are on page 129.
5. Installation Instructions for Terminals are on page 131.

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Compression Dead Ends—43600 Series for ACSR Conductor, Adjustable Clevis Type, Single Tongue (cont.)

DEAD END ASSEMBLY CATALOG NUMBER	CONDUCTOR				ALUMINUM BODY SINGLE TONGUE	ADJUSTABLE STEEL CLEVIS	15° TERMINAL CONNECTOR	DIE SIZE		DIMENSION L		PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.				ALUMINUM HEX DIES	STEEL HEX DIES	IN	MM	
		KCMIL	AL/ST	IN								
C43613	Linnet	336.4	26/7	0.721	8120.781	C6110.277	5120.781	20AH	10SH			
C43614	Oriole	336.4	30/7	0.741	8120.781	C6110.332	5120.781	20AH	10SH			
C43615	Chickadee	397.5	18/1	0.743	8120.781	C6174.160	5120.781	20AH	74SH			
C43616	Brant	397.5	24/7	0.772	8120.812	C6110.261	5120.812	20AH	10SH			
C43617	Ibis	397.5	26/7	0.783	8120.844	C6110.302	5120.844	20AH	10SH			
C43618	Lark	397.5	30/7	0.806	8120.844	C6112.359	5120.844	20AH	12SH			
C43619	Pelican	477.0	18/1	0.814	8124.875	C6175.179	5124.875	24AH	75SH			
C43620	Flicker	477.0	24/7	0.846	8124.938C	C6210.295	5124.938	24AH	10SH			
C43621	Hawk	477.0	26/7	0.858	8124.938C	C6212.332	5124.938	24AH	12SH			
C43622	Hen	477.0	30/7	0.883	8124.938C	C6212.397	5124.938	24AH	12SH			
C43623	Osprey	556.5	18/1	0.879	8124.938C	C6275.188	5124.938	24AH	75SH			
C43624	Parakeet	556.5	24/7	0.914	8124.969C	C6210.316	5124.969	24AH	10SH			
C43625	Dove	556.5	26/7	0.927	8124.969C	C6212.359	5124.969	24AH	12SH			
C43626	Eagle	556.5	30/7	0.953	8127.100	C6214.432	5127.100	27AH	14SH			
C43627	Peacock	605.0	24/7	0.953	8127.100	C6212.332	5127.100	27AH	12SH			
C43628	Squab	605.0	26/7	0.968	8127.100	C6212.377	5127.100	27AH	12SH			
C43629	Teal	605.0	30/19	0.994	8127.106	C6214.441	5127.106	27AH	14SH			
C43630	Swift	636.0	36/1	0.930	8127.100	C6274.148	5127.100	27AH	74SH			
C43631	Kingbird	636.0	18/1	0.940	8127.100	C6275.203	5127.100	27AH	75SH			
C43632	Rook	636.0	24/7	0.977	8127.100	C6212.344	5127.106	27AH	12SH			
C43633	Grosbeak	636.0	26/7	0.990	8121.106	C6212.386	5127.106	27AH	12SH			
C43634	Egret	636.0	30/19	1.019	8127.106C	C6314.453	5127.106	27AH	14SH			
C43635	Flamigo	666.6	24/7	1.000	8127.106C	C6312.351	5127.106	27AH	12SH			
C43636	—	715.5	24/7	1.036	8130.109	C6312.359	5130.109	30AH	12SH			
C43637	Starling	715.5	26/7	1.051	8130.109	C6314.406	5130.109	30AH	14SH			
C43638	Redwing	715.5	30/19	1.081	8130.116	C6316.500	5130.116	30AH	16SH			
C43639	Coot	795.0	36/1	1.040	8130.109	C6374.160	5130.109	30AH	74SH			
C43640	Tern	795.0	45/7	1.063	8130.116	C6310.277	5130.116	30AH	10SH			
C43641	Condor	795.0	54/7	1.093	8130.116	C6312.386	5130.116	30AH	12SH			
C43642	Drake	795.0	26/7	1.108	8130.116	C6314.432	5130.116	30AH	14SH			
C43643	Mallard	795.0	30/19	1.140	8130.122	C6416.516	5130.122	30AH	16SH			
C43641	Cuckoo	795.0	24/7	1.092	8130.116	C6312.386	5130.116	30AH	12SH			
C43645	Ruddy	900.0	45/7	1.131	8130.122	C6410.302	5130.122	30AH	10SH			
C43646	Canary	900.0	54/7	1.162	8130.122	C6414.406	5130.122	30AH	14SH			

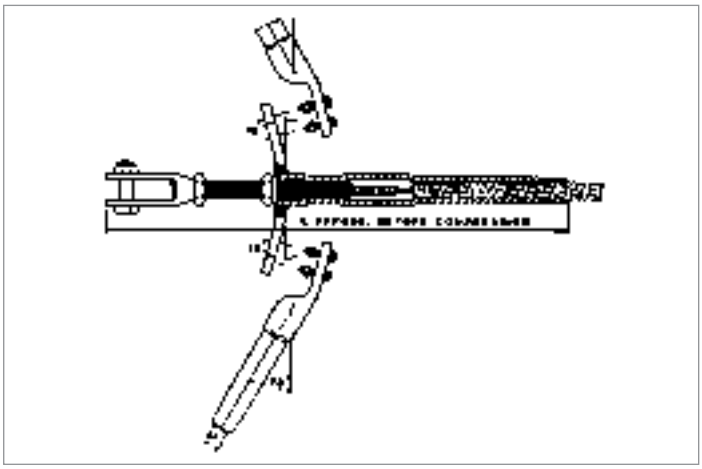
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Compression Dead Ends—43600 Series for ACSR Conductor, Adjustable Clevis Type, Single Tongue (cont.)

DEAD END ASSEMBLY CATALOG NUMBER	CONDUCTOR				ALUMINUM BODY SINGLE TONGUE	ADJUSTABLE STEEL CLEVIS	15° TERMINAL CONNECTOR	DIE SIZE		DIMENSION L		PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.				ALUMINUM HEX DIES	STEEL HEX DIES	IN	MM	
		KCMIL	AL/ST	IN								
C43647	Catbird	954.0	36/1	1.140	8130.122	C6475.179	5130.122	30AH	15SH			
C43648	Rail	954.0	45/7	1.165	8130.122	C6410.302	5130.122	30AH	10SH			
C43650	Cardinal	954.0	54/7	1.196	8130.125	C6414.422	5130.125	30AH	14SH			
C43651	Tanager	1033.5	36/1	1.186	8130.125	C6475.184	5130.125	30AH	75SH			
C43652	Ortolan	1033.5	45/7	1.212	8134.128	C6410.316	5134.128	34AH	10SH			
C43654	Curlew	1033.5	54/7	1.244	8134.134	C6414.432	5134.134	34AH	14SH			
C43655	Bluejay	1113.0	45/7	1.259	8134.134	C6412.332	5134.134	34AH	12SH			
C43657	Finch	1113.0	54/19	1.293	8134.138	C6414.453	5134.138	34AH	14SH			
C43658	Bunting	1192.5	45/7	1.302	8134.138	C6412.344	5134.138	34AH	12SH			
C43660	Grackle	1192.5	54/19	1.333	8136.144	C6514.453	5136.1 44	36AH	14SH			
C43661	Bittern	1272.0	45/7	1.345	8136.144	C6512.351	5136.144	36AH	12SH			
C43663	Pheasant	1272.0	54/19	1.382	8136.147	C6516.500	5136.147	36AH	16SH			
C43664	Dipper	1351.5	45/7	1.385	8136.147	C6512.377	5136.147	36AH	12SH			
C43666	Martin	1351.5	54/19	1.424	8139.150	C6516.500	5138.150	38AH	16SH			
C43667	Bobolink	1431.0	45/7	1.427	8138.150	C6512.377	5138.150	38AH	12SH			
C43669	Plover	1431.0	54/19	1.465	8138.156	C6516.516	5130 156	36AH	16SH			
C43670	Nuthatch	1510.5	45/7	1.466	8138.156	C6512.386	5138.156	38AH	12SH			
C43672	Parrot	1510.5	54/19	1.506	8140.162	C6616.531	5140.162	40AH	16SH			
C43673	Lapwing	1590.0	45/7	1.504	8140.162	C6612.397	5140.162	40AH	12SH			
C43674	Falcon	1590.0	54/19	1.545	8140.162	C6618.546	5140.162	40AH	18SH			
C43675	Chukar	1780.0	84/19	1.602	8142.178C	C6714.453	5142.178	42AH	14SH			
C43677	—	2034.0	72/7	1.681	8142.178C	C6714.359	5142.178	42AH	14SH			
C43678	Bluebird	2156.0	84/19	1.762	8144.184	C6716.516	5144.184	44AH	16SH			
C43679	Kiwi	2167.0	72/7	1.737	8144.181	C6712.377	5144.181	44AH	12SH			
C43681	Thrasher	2312.0	76/19	1.802	8144.188	C6714.422	5144.188	44AH	14SH			
C43682	Joree	2315.0	76/19	1.880	8148.197	C6814.453	5148.197	48AH	14SH			
C43679	Kiwi	2167.0	72/7	1.737	8144.181	C6712.377	5144.181	44AH	12SH			
C43681	Thrasher	2312.0	76/19	1.802	8144.188	C6714.422	5144.188	44AH	14SH			
C43682	Joree	2315.0	76/19	1.880	8148.197	C6814.453	5148.197	48AH	14SH			

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Compression Dead Ends—43800 Series for ACSR Conductor, Adjustable Clevis Type, Double Tongue



The 43800 Series Adjustable Clevis Dead End assembly is specifically designed for ACSR conductors. The aluminum body of the dead end is fabricated from AFL seamless drawn aluminum. The tongue and terminal pad are constructed with a 15° angle, which permits the terminal connector to be bolted in the straight of 30° position.

All dead ends are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor on which they are used. Each dead end assembly comes with a dead end body, adjustable steel clevis, two 15° terminals and aluminum hardware.

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. Corona bolts are furnished as standard on 15° terminals for these section sizes.

The square edges of the bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix "EHV".

Ordering Instructions

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector
For an assembly without a terminal connector, use 'NT'.
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'.
For Standard Finish, leave blank.

Step 4: Assemble Catalog Number.

Assy Catalog Number + **Terminal Connector** + **EHV Finish**

Example:
For 795 Drake conductor with no terminal and EHV finish, the complete catalog number is:

C43842NTEHV

Notes:
1. Adjustable Clevis Dimensions are on page 120.
2. Pad Dimensions are on page 117.
3. AFL Filler Compound (AFC) Requirements are on page 115.
4. Installation Instructions for Dead Ends are on page 129.
5. Installation Instructions for Terminals are on page 131.

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Compression Dead Ends—43800 Series for ACSR Conductor, Adjustable Clevis Type, Double Tongue (cont.)

DEAD END ASSEMBLY CATALOG NUMBER	CONDUCTOR				ALUMINUM BODY DOUBLE TONGUE	ADJUSTABLE STEEL CLEVIS	15° TERMINAL CONNECTOR	DIE SIZE		TOTAL WEIGHT		DIMENSION L		PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.				ALUMINUM HEX DIES	STEEL HEX DIES					
		KCMIL	AL/ST	IN						LBS	KG	IN	MM	
C43813	Linnet	336.4	26/7	0.721	8220.781	C6110.277	5120.781	20AH	10SH	7.6	3.44	30.0	762	B
C43814	Oriole	336.4	30/7	0.741	8220.781	C6110.332	5120.781	20AH	10SH	7.6	3.44	30.0	762	B
C43815	Chickadee	397.5	18/1	0.743	8220.781	C6174.160	5120.781	20AH	74SH	7.3	3.30	30.0	762	B
C43816	Brant	397.5	24/7	0.772	8220.812	C6110.261	5120.812	20AH	10SH	7.3	3.30	29.4	746	B
C43817	Ibis	397.5	26/7	0.783	8220.844	C6110.302	5120.844	20AH	10SH	7.2	3.25	29.4	746	B
C43818	Lark	397.5	30/7	0.806	8220.844	C6112.359	5120.844	20AH	12SH	7.3	3.29	29.4	746	B
C43819	Pelican	477.0	18/1	0.814	8224.875	C6175.179	5124.875	24AH	75SH	8.4	3.82	28.3	718	B
C43820	Flicker	477.0	24/7	0.846	8224.938C	C6210.295	5124.938	24AH	10SH	9.2	4.18	29.6	751	B
C43821	Hawk	477.0	26/7	0.858	8224.938C	C6212.332	5124.938	24AH	12SH	9.4	4.27	29.6	751	B
C43822	Hen	477.0	30/7	0.883	8224.938C	C6212.397	5124.938	24AH	12SH	9.4	4.27	29.6	751	B
C43823	Osprey	556.5	18/1	0.879	8224.938C	C6275.188	5124.938	24AH	75SH	9.2	4.13	29.6	751	B
C43824	Parakeet	556.5	24/7	0.914	8224.969C	C6210.316	5124.969	24AH	10SH	9.5	4.22	30.1	764	B
C43825	Dove	556.5	26/7	0.927	8224.969C	C6212.359	5124.969	24AH	12SH	9.5	4.31	30.1	704	B
C43826	Eagle	556.5	30/7	0.953	8227.100	C6214.432	5127.100	27AH	14SH	11.6	5.26	31.6	802	D
C43827	Peacock	605.0	24/7	0.953	8227.100	C6212.332	5127.100	27AH	12SH	11.4	5.17	31.6	802	D
C43828	Squab	605.0	26/7	0.966	8227.100	C621 2.377	5127.100	27AH	12SH	11.4	5.17	31.6	802	D
C43829	Teal	605.0	30/19	0.994	8227.106	C6214.441	5127.106	27AH	14SH	11.5	5.22	31.6	802	D
C43830	Swift	636.0	36/1	0.930	8227.100	C6274.148	5127.100	27AH	74SH	11.0	5.01	31.6	802	D
C43831	Kingbird	636.0	18/1	0.940	8227.100	C6275.203	5127.100	27AH	75SH	11.1	5.03	31.6	802	D
C43832	Rook	636.0	24/7	0.977	8227.106	C6212.344	5127.106	27AH	12SH	11.3	5.13	31.6	802	D
C43833	Grosbeak	636.0	26/7	0.990	8227.106	C6212.386	5127.106	27AH	12SH	11.3	5.13	31.6	802	D
C43834	Egret	636.0	30/19	1.019	8227.106C	C6314.453	5127.106	27AH	14SH	15.9	6.85	34.0	864	D
C43835	Flamingo	666.6	24/7	1.000	8227.106C	C6312.351	5127.106	27AH	12SH	15.6	6.71	34.0	864	D
C43836	Stilt	715.5	24/7	1.036	8230.109	C6312.359	5130.109	30AH	12SH	16.6	7.57	34.4	873	D
C43837	Starling	715.5	26/7	1.051	8230.109	C6314.406	5130.109	30AH	14SH	15.5	7.71	34.3	871	D
C43838	Redwing	715.5	30/19	1.081	8230.109	C6316.500	5130.116	30AH	16SH	15.6	7.71	34.8	884	D
C43839	Coot	795.0	36/1	1.040	8230.109	C6374.160	5130.109	30AH	74SH	16.4	7.44	34.3	871	D
C43840	Tern	795.0	45/7	1.063	8230.116	C6310.277	5130.116	30AH	10SH	16.4	7.44	34.8	871	D
C43841	Condor	795.0	54/7	1.093	8230.116	C6312.386	5130.116	30AH	12SH	16.5	7.48	34.8	871	D
C43842	Drake	795.0	26/7	1.108	8230.116	C6314.432	5130.116	30AH	14SH	16.8	7.62	34.8	871	D
C43843	Mallard	795.0	30/19	1.140	8230.122	C6416.516	5130.122	30AH	16SH	17.7	8.02	35.4	900	D
C43841	Cuckoo	795.0	24/7	1.092	8230.116	C6312.386	5130.116	30AH	12SH	16.5	7.48	34.8	871	D
C43845	Ruddy	900.0	45/7	1.131	8230.122	C6410.302	5130.122	30AH	10SH	13.0	7.71	35.4	900	D
C43846	Canary	900.0	54/7	1.162	8230.122	C6414.406	5130.122	30AH	14SH	17.4	7.89	35.4	900	D
C43847	Catbird	954.0	36/1	1.140	8230.122	C6475.179	5130.122	30AH	75SH	16.9	7.66	35.4	900	D
C43848	Rail	954.0	45/7	1.165	8230.122	C6410.302	5130.122	30AH	10SH	17.0	7.71	35.4	900	D
C43850	Cardinal	954.0	54/7	1.196	8230.125	C6414.422	5130.125	30AH	14SH	17.4	7.89	36.2	919	D
C43851	Tanager	1033.5	36/1	1.186	8230.125	C6475.184	5130.125	30AH	75SH	16.9	7.66	36.2	919	D
C43852	Ortolan	1033.5	45/7	1.212	8234.128	C6410.316	5134.128	34AH	10SH	19.8	8.98	36.4	926	D
C43854	Curlew	1033.5	54/7	1.244	8234.134	C6414.432	5134.134	34AH	14SH	21.6	8.89	37.1	943	D

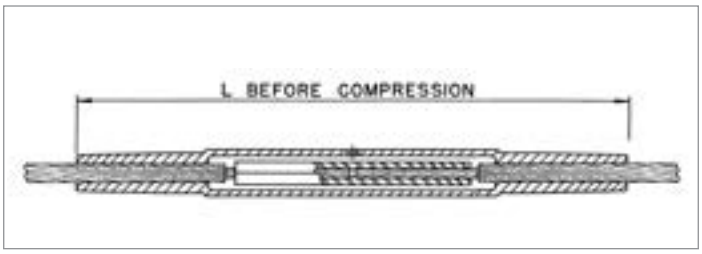
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Compression Dead Ends—43800 Series for ACSR Conductor, Adjustable Clevis Type, Double Tongue (cont.)

DEAD END ASSEMBLY CATALOG NUMBER	CONDUCTOR				ALUMINUM BODY DOUBLE TONGUE	ADJUSTABLE STEEL CLEVIS	15° TERMINAL CONNECTOR	DIE SIZE		TOTAL WEIGHT		DIMENSION L		PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.				ALUMINUM HEX DIES	STEEL HEX DIES					
		KCMIL	AL/ST	IN						LBS	KG	IN	MM	
C43855	Bluejay	1113.0	45/7	1.259	8234.134	C6412.332	5134.134	34AH	12SH	19.4	8.80	37.1	943	D
C43857	Finch	1113.0	54/19	1.293	8234.138	C6414 453	5134.138	34AH	14SH	19.2	8.71	37.1	941	D
C43858	Bunting	1192.5	45/7	1.302	8234.138	C6412 344	5134.138	34AH	12SH	19.0	8.62	37.1	941	D
C43860	Grackle	1192.5	54/19	1.333	8236.144	C6514.453	5136.144	36AH	14SH	21.6	9.82	37.4	949	D
C43861	Bittern	1272.0	45/7	1.345	8236.144	C6512.351	5136.144	36AH	12SH	21.4	9.73	37.4	949	D
C43863	Pheasant	1272.0	54/19	1.382	8236.147	C6516.500	5136.147	36AH	16SH	21.5	9.75	37.6	956	D
C43864	Dipper	1351.5	45/7	1.385	8236.147	C6512.377	5136.147	36AH	12SH	21.0	9.53	37.6	956	D
C43866	Martin	1351.5	54/19	1.424	8238.150	C6516.500	5138.150	38AH	16SH	23.5	9.85	37.9	962	D
C43867	Bobolink	1431.0	45/7	1.427	8238.150	C6512.377	5138.150	38AH	12SH	23.0	10.43	37.9	962	D
C43869	Plover	1431.0	54/19	1.465	8238.156	C6516.516	5138.156	36AH	16SH	23.1	10.48	37.9	962	D
C43870	Nuthatch	1510.5	45/7	1.466	8238.156	C6512.386	5138.156	38AH	12SH	22.6	10.26	37.9	962	D
C43872	Parrot	1510.5	54/19	1.506	8240.162	C6616.531	5140.162	40AH	16SH	31.1	14.10	41.3	1049	E
C43873	Lapwing	1590.0	45/7	1.504	8240.162	C6612.397	5140.162	40AH	12SH	30.6	13.88	41.3	1049	E
C43874	Falcon	1590.0	54/19	1.545	8240.162	C6618.546	5140.162	40AH	18SH	31.5	14.36	41.3	1049	E
C43875	Chukar	1780.0	84/19	1.602	8242.178C	C6714.453	5142.178	42AH	14SH	31.7	14.38	42.7	1084	E
C43877	—	2034.0	72/7	1.681	8242.178C	C6714.359	5142.178	42AH	14SH	31.7	14.68	42.7	1084	E
C43878	Bluebird	2156.0	84/19	1.762	8244.184	C6716.516	5144.184	44AH	16SH	32.3	14.65	40.3	1022	E
C43879	Kiwi	2167.0	72/7	1.737	8244.181	C6712.377	5144.181	44AH	12SH	32.6	14.78	42.3	1073	E
C43881	Thrasher	2312.0	76/19	1.802	8244.188	C6714.422	5144.188	44AH	14SH	32.1	14.56	43.3	1099	E
C43882	Joree	2515.0	76/19	1.880	8248.197	C6814.453	5148.197	48AH	14SH	45.1	20.46	45.2	1148	E
C43879	Kiwi	2167.0	72/7	1.737	8244.181	C6712.377	5144.181	44AH	12SH	32.6	14.78	42.3	1073	E
C43881	Thrasher	2312.0	76/19	1.802	8244.188	C6714.422	5144.188	44AH	14SH	32.1	14.56	43.3	1099	E
C43882	Joree	2515.0	76/19	1.880	8248.197	C6814.453	5148.197	48AH	14SH	45.1	20.46	45.2	1148	E

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Compression Joints—33000 Series for ACSR Conductors



The 33000 Series Compression Joint Assembly is specifically designed for ACSR conductors. The aluminum body is fabricated from AFL seamless drawn aluminum.

All compression joints are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor on which they are used. Each compression joint assembly comes with an aluminum joint and a steel sleeve.

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: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

For 795 Drake ACSR conductor, the complete catalog number is:

33043

JOINT ASSEMBLY CATALOG NUMBER	CONDUCTOR				ALUMINUM JOINT CATALOG NUMBER	STEEL JOINT CATALOG NUMBER	DIE SIZE		WEIGHT				DIMENSION L	
	CODE WORD	AWG OR KCMIL	STRANDING	DIA.			ALUMINUM HEX DIE	STEEL HEX DIE	ALUMINUM		STEEL			
			AL/ST	IN					LBS	KG	LBS	KG	IN	MM
33006	Raven	1/0	6/1	0.398	8074.438	4074.148	74AH	74SH	0.7	0.31	0.1	0.05	19.3	489
33007	Quail	2/0	6/1	0.447	8074.484	4074.160	74AH	74SH	0.6	0.28	0.1	0.05	19.3	489
33008	Pigeon	3/0	6/1	0.502	8075.547	4075.179	75AH	75SH	1.1	0.50	0.2	0.07	21.5	546
33009	Penguin	4/0	6/1	0.563	8075.609	4075.228	75AH	75SH	1.0	0.44	0.1	0.06	21.5	546
33010	Waxwing	266.8	18/1	0.609	8076.656	4074.132	76AH	74SH	1.9	0.86	0.1	0.04	25.8	654
33011	Owl	266.8	6/7	0.633	8076.688	4076.221	76AH	76SH	1.8	0.82	0.3	0.12	25.8	654
33012	Partridge	266.8	26/7	0.642	8076.688	4076.246	76AH	76SH	1.8	0.82	0.3	0.12	25.8	654
33081	Ostrich	300.0	26/7	0.680	8076.719	4076.261	76AH	76SH	1.7	0.86	0.3	0.11	25.8	654
33013	Merlin	336.4	18/1	0.684	8076.719	4074.148	76AH	74SH	1.7	0.86	0.1	0.05	25.8	654
33014	Linnet	336.4	26/7	0.721	8020.781	4010.277	20AH	10SH	2.0	0.91	0.4	0.19	28.9	734
33015	Oriole	336.4	30/7	0.741	8020.781	4010.332	20AH	10SH	2.0	0.91	0.5	0.21	28.9	734
33016	Chickadee	397.5	18/1	0.743	8020.781	4074.160	20AH	74SH	2.0	0.91	0.1	0.05	28.9	734
33082	Brant	397.5	24/7	0.772	8020.812	4010.261	20AH	10SH	1.9	0.86	0.4	0.20	27.2	691
33017	Ibis	397.5	26/7	0.783	8020.844	4010.302	20AH	10SH	1.7	0.77	0.5	0.23	27.2	691
33018	Lark	397.5	30/7	0.806	8020.844	4012.359	20AH	12SH	1.7	0.77	0.7	0.34	27.2	691
33020	Pelican	477.0	18/1	0.814	8024.875	4075.179	24AH	75SH	2.4	1.09	0.2	0.09	21.0	533

Notes:

1. AFL Filler Compound (AFC) Requirements are on page 115.
2. Installation Instructions for Joints are on page 137.

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Compression Joints—33000 Series for ACSR Conductors (cont.)

JOINT ASSEMBLY CATALOG NUMBER	CONDUCTOR				ALUMINUM JOINT CATALOG NUMBER	STEEL JOINT CATALOG NUMBER	DIE SIZE		WEIGHT				DIMENSION L	
	CODE WORD	AWG OR KCMIL	STRANDING	DIA.			ALUMINUM HEX DIE	STEEL HEX DIE	ALUMINUM		STEEL			
			AL/ST	IN					LBS	KG	LBS	KG	IN	MM
33021	Flicker	477.0	24/7	0.846	8024.938	4010.295	24AH	10SH	2.9	1.32	0.4	0.20	27.1	689
33022	Hawk	477.0	26/7	0.858	8024.938	4012.332	24AH	12SH	2.9	1.32	0.8	0.34	27.1	689
33023	Hen	477.0	30/7	0.883	8024.938	4012.397	24AH	12SH	2.9	1.32	0.8	0.37	27.1	689
33024	Osprey	556.5	18/1	0.879	8024.938	4075.188	24AH	75SH	2.9	1.32	0.1	0.06	27.1	689
33025	Parakeet	556.5	24/7	0.914	8024.969	4010.316	24AH	10SH	2.8	1.27	0.5	0.22	27.2	691
33026	Dove	556.5	26/7	0.927	8024.969	4012.359	24AH	12SH	2.8	1.27	0.7	0.34	27.2	691
33027	Eagle	556.5	30/7	0.953	8027.100	4014.432	27AH	14SH	4.4	2.00	1.3	0.59	30.4	772
33028	Peacock	605.0	24/7	0.953	8027.100	4012.332	27AH	12SH	4.4	2.00	0.8	0.34	30.4	772
33029	Squab	605.0	26/7	0.966	8027.100	4012.377	27AH	12SH	4.4	2.00	0.8	0.38	30.4	772
33030	Teal	605.0	30/19	0.994	8027.106	4014.441	27AH	14SH	4.1	1.86	1.3	0.59	31.0	787
33083	Swift	636.0	36/1	0.930	8027.100	4074.148	27AH	74SH	4.4	2.00	0.1	0.05	30.4	772
33031	Kingbird	636.0	18/1	0.940	8027.100	4075.228	27AH	75SH	4.4	2.00	0.1	0.06	30.4	772
33032	Rook	636.0	24/7	0.977	8027.106	4012.344	27AH	12SH	4.1	1.86	0.7	0.33	31.0	787
33033	Grosbeak	636.0	26/7	0.990	8027.106	4012.386	27AH	12SH	4.1	1.86	0.8	0.37	31.0	787
33034	Egret	636.0	30/19	1.019	8027.106	4014.453	27AH	14SH	4.1	1.86	1.2	0.54	31.0	787
33035	Flamingo	666.6	24/7	1.000	8027.106	4012.351	27AH	12SH	4.1	1.86	0.8	0.35	31.0	787
33084	Stilt	715.5	24/7	1.036	8030.109	4012.359	30AH	12SH	5.1	2.31	0.7	0.34	30.0	762
33037	Starling	715.5	26/7	1.051	8030.109	4014.406	30AH	14SH	5.1	2.31	1.2	0.54	30.0	762
33038	Redwing	715.5	30/19	1.081	8030.116	4016.500	30AH	16SH	5.1	2.31	1.7	0.77	32.1	816
33039	Coot	795.0	36/1	1.040	8030.109	4074.160	30AH	74SH	5.1	2.31	0.1	0.05	30.0	762
33040	Tern	795.0	45/7	1.063	8030.116	4010.277	30AH	10SH	5.1	2.31	0.4	0.19	32.1	816
33042	Condor	795.0	54/7	1.093	8030.116	4012.386	30AH	12SH	5.1	2.31	0.8	0.37	32.1	816
33043	Drake	795.0	26/7	1.108	8030.116	4014.432	30AH	14SH	5.1	2.31	1.3	0.59	32.1	816
33044	Mallard	795.0	30/19	1.140	8030.122	4016.516	30AH	16SH	5.1	2.31	1.6	0.73	34.0	864
33085	Cuckoo	795.0	24/7	1.092	8030.116	4012.386	30AH	12SH	5.1	2.31	0.9	0.39	32.1	816
33047	Ruddy	900.0	45/7	1.131	8030.122	4010.302	30AH	10SH	5.1	2.31	0.5	0.23	34.0	864
33046	Canary	900.0	54/7	1.162	8030.122	4014.406	30AH	14SH	5.1	2.31	1.2	0.54	34.0	864
33086	Catbird	954.0	36/1	1.140	8030.122	4075.179	30AH	75SH	5.1	2.31	0.2	0.07	34.0	864
33047	Rail	954.0	45/7	1.165	8030.122	4010.302	30AH	10SH	5.1	2.31	0.5	0.23	34.0	864
33049	Cardinal	954.0	54/7	1.196	8030.125	4014.422	30AH	14SH	4.9	2.22	1.2	0.54	34.2	868
33087	Tanager	1033.5	36/1	1.186	8030.125	4075.179	30AH	75SH	4.9	2.22	0.2	0.07	34.2	868
33050	Ortolan	1033.5	45/7	1.212	8034.128	4010.316	34AH	10SH	7.2	3.27	0.5	0.22	34.1	867
33052	Curlew	1033.5	54/7	1.244	8034.134	4014.432	34AH	14SH	7.1	3.22	1.3	0.59	36.8	933
33053	Bluejay	1113.0	45/7	1.259	8034.134	4012.332	34AH	12SH	7.1	3.22	0.8	0.34	36.8	933
33055	Finch	1113.0	54/19	1.293	8034.138	4014.453	34AH	14SH	7.4	3.36	1.2	0.54	37.0	940
33056	Bunting	1192.5	45/7	1.302	8034.138	4012.344	34AH	12SH	7.4	3.36	0.7	0.33	37.0	940
33058	Grackle	1192.5	54/19	1.333	8036.144	4014.453	36AH	14SH	8.2	3.72	1.2	0.54	37.5	953
33059	Bittern	1272.0	45/7	1.345	8036.144	4012.351	36AH	12SH	8.2	3.72	0.8	0.35	37.5	953
33061	Pheasant	1272.0	54/19	1.382	8036.147	4016.500	36AH	16SH	8.0	3.63	1.7	0.77	38.0	965
33062	Dipper	1351.5	45/7	1.385	8036.147	4012.377	36AH	12SH	8.0	3.63	0.8	0.36	38.0	965
33064	Martin	1351.5	54/19	1.424	8038.150	4016.500	38AH	16SH	9.5	4.31	1.7	0.77	38.4	975
33065	Bobolink	1431.0	45/7	1.427	8038.150	4012.377	38AH	12SH	9.5	4.31	0.8	0.36	38.4	975

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Compression Joints—33000 Series for ACSR Conductors (cont.)

JOINT ASSEMBLY CATALOG NUMBER	CONDUCTOR				ALUMINUM JOINT CATALOG NUMBER	STEEL JOINT CATALOG NUMBER	DIE SIZE		WEIGHT				DIMENSION L	
	CODE WORD	AWG OR KCMIL	STRANDING	DIA.			ALUMINUM HEX DIE	STEEL HEX DIE	ALUMINUM		STEEL			
			AL/ST	IN					LBS	KG	LBS	KG	IN	MM
33067	Plover	1431.0	54/19	1.465	8038.156	4016.516	38AH	16SH	9.0	4.08	1.6	0.73	38.4	975
33068	Nuthatch	1510.5	45/7	1.466	8038.156	4012.388	38AH	12SH	9.0	4.08	0.8	0.37	38.4	975
33070	Parrot	1510.5	54/19	1.506	8040.162	4016.531	40AH	16SH	10.4	4.72	1.6	0.73	39.0	991
33071	Lapwing	1590.0	45/7	1.504	8040.162	4012.397	40AH	12SH	10.4	4.72	0.8	0.37	39.0	991
33072	Falcon	1590.0	54/19	1.545	8040.162	4018.546	40AH	18SH	10.4	4.72	2.1	0.95	39.0	991
33073	Chukar	1780.0	84/19	1.602	8042.178	4014.453	42AH	14SH	11.0	4.99	1.2	0.54	40.3	1022
33075	—	2034.0	72/7	1.681	8042.178	4014.359	42AH	14SH	11.0	4.99	1.4	0.64	40.3	1022
33076	Bluebird	2156.0	84/19	1.762	8044.184	4016.516	44AH	16SH	11.3	5.13	1.6	0.73	36.6	930
33077	Kiwi	2167.0	72/7	1.737	8044.181	4012.377	44AH	12SH	12.3	5.58	0.8	0.36	39.3	997
33078	Thrasher	2312.0	76/19	1.802	8044.188	4014.422	44AH	14SH	12.0	5.44	1.2	0.54	40.3	1022
33080	Joree	2515.0	76/19	1.880	8048.197	4014.453	48AH	14SH	17.1	7.76	1.2	0.54	44.5	1130

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Compression Joints – Jiffy Joints—7500 Series for ACSR Conductors



The 7500 Series Compression Joint (Jiffy Joint) is designed for ACSR conductors. The aluminum body is fabricated from AFL seamless drawn aluminum. The compression joint is a single piece unit without a steel sleeve and comes prefilled with AFL Filler Compound (AFC).

All compression joints are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor on which they are 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: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

For 336.4 Merlin conductor, the complete catalog number is:

7514.719

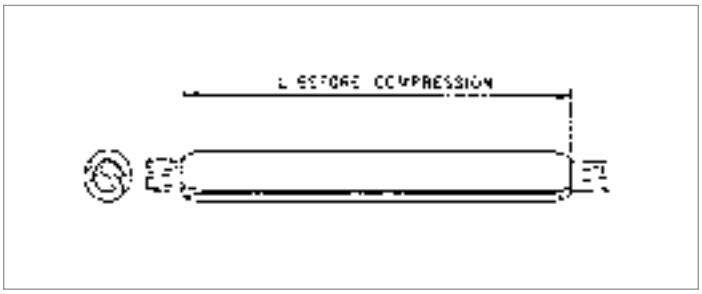
JOINT CATALOG NUMBER	CONDUCTOR				DIE SIZE	WEIGHT		COLOR CODE	DIMENSION L	
	CODE NAME	AWG OR KCMIL	STRANDING AL/ST	DIA. IN	ALUMINUM HEX DIES	LBS	KG		IN	MM
7511.453	Raven	1/0	6/1	0.398	11AH	0.6	0.28	Yellow	14.0	356
7512.484	Quall	2/0	6/1	0.447	12AH	0.8	0.37	Gray	14.0	356
7513.542	Pigeon	3/0	6/1	0.502	13AH	1.1	0.50	Black	14.0	356
7513.625	Penguin	4/0	6/1	0.563	13AH	1.1	0.50	Pink	16.0	406
7514.719	Merlin	336.4	18/1	0.664	14AH	1.6	0.73	Clear	15.6	395
7524.871	Chickadee	397.5	18/1	0.743	24AH	2.8	1.27	Clear	19.6	497
7524.875	Pelican	477.0	18/1	0.814	24AH	2.8	1.27	Clear	22.1	560

Notes:

1. Joints are prefilled with compound.
2. Installation Instructions for Joints are on page 137.

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Repair Sleeves—5200 Series for ACSR Conductors



The 5200 Series Repair Sleeve is designed for ACSR conductors. The repair sleeve incorporates an improved design of interlocking extrusions, providing a permanent grip on the conductor when compressed.

The repair sleeve will restore 95% of the rated strength of the conductor with up to one-third of the aluminum strands damaged.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

For 795 Drake conductor, the complete catalog number is:

5230.3

REPAIR SLEEVE CATALOG NUMBER	CONDUCTOR				DIE SIZE	WEIGHT		DIMENSION L	
	CODE NAME	SIZE	STRANDING	DIA.	ALUMINUM HEX DIES				
		KCMIL	AL/ST	IN		LBS	KG	IN	MM
5274	Raven	1/0	6/1	0.398	74AH	0.2	0.10	7.6	192
5274	Quail	2/0	6/1	0.447	74AH	0.2	0.10	7.6	192
5275	Pigeon	3/0	6/1	0.502	75AH	0.4	0.18	8.6	217
5275	Penguin	4/0	6/1	0.563	75AH	0.4	0.18	8.6	217
5276	Waxwing	266.8	18/1	0.609	76AH	0.7	0.30	10.0	254
5276	Owl	266.8	6/7	0.633	76AH	0.7	0.30	10.0	254
5276	Partridge	266.8	26/7	0.642	76AH	0.7	0.30	10.0	254
5276	Ostrich	300.0	26/7	0.680	76AH	0.7	0.30	10.0	254
5276	Merlin	336.4	18/1	0.684	76AH	0.7	0.30	10.0	254
5276	Linnet	336.4	26/7	0.720	76AH	0.7	0.30	10.0	254
5276	Chickadee	397.5	18/1	0.743	76AH	0.7	0.30	10.0	254
5220.3	Linnet	336.4	26/7	0.720	20AH	1.0	0.45	14.5	368
5220.3	Oriole	336.4	30/7	0.741	20AH	1.0	0.45	14.5	368
5220.3	Chickadee	397.5	18/1	0.743	20AH	1.0	0.45	14.5	368
5220.3	Brant	397.5	24/7	0.772	20AH	1.0	0.45	14.5	368
5220.3	Ibis	397.5	26/7	0.783	20AH	1.0	0.45	14.5	368

Notes:

1. AFL Filler Compound (AFC) Requirements are on page 115.
2. Installation Instructions for Repair Sleeves are on page 142.

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Repair Sleeves—5200 Series for ACSR Conductors (cont.)

REPAIR SLEEVE CATALOG NUMBER	CONDUCTOR				DIE SIZE	WEIGHT		DIMENSION L	
	CODE NAME	SIZE	STRANDING	DIA.	ALUMINUM HEX DIES				
		KCMIL	AL/ST	IN		LBS	KG	IN	MM
5220.3	Lark	397.5	30/7	0.806	20AH	1.0	0.45	14.5	368
5224.3	Pelican	477.0	18/1	0.814	24AH	1.7	0.77	15.5	394
5224.3	Flicker	477.0	24/7	0.846	24AH	1.7	0.77	15.5	394
5224.3	Hawk	477.0	26/7	0.858	24AH	1.7	0.77	15.5	394
5224.3	Hen	477.0	30/7	0.883	24AH	1.7	0.77	15.5	394
5224.3	Osprey	556.5	18/1	0.879	24AH	1.7	0.77	15.5	394
5224.3	Parakeet	556.5	24/7	0.914	24AH	1.7	0.77	15.5	394
5224.3	Dove	556.5	26/7	0.927	24AH	1.7	0.77	15.5	394
5227.3	Eagle	556.5	30/7	0.953	27AH	2.6	1.18	18.3	464
5227.3	Peacock	605.0	24/7	0.953	27AH	2.6	1.18	18.3	464
5227.3	Squab	605.0	26/7	0.966	27AH	2.6	1.18	18.3	464
5227.3	Teal	605.0	30/19	0.994	27AH	2.6	1.18	18.3	464
5227.3	Swift	636.0	36/1	0.930	27AH	2.6	1.18	18.3	464
5227.3	Kingbird	636.0	18/1	0.940	27AH	2.6	1.18	18.3	464
5227.3	Rook	636.0	24/7	0.977	27AH	2.6	1.18	18.3	464
5227.3	Grosbeak	636.0	26/7	0.990	27AH	2.6	1.18	18.3	464
5227.3	Egret	636.0	30/19	1.019	27AH	2.6	1.18	18.3	464
5227.3	Flamingo	666.6	24/7	1.000	27AH	2.6	1.18	18.3	464
5230.3	Stilt	715.5	24/7	1.036	30AH	3.0	1.36	19.1	486
5230.3	Starling	715.5	26/7	1.051	30AH	3.0	1.36	19.1	486
5230.3	Redwing	715.5	30/19	1.081	30AH	3.0	1.36	19.1	486
5230.3	Coot	795.0	36/1	1.040	30AH	3.0	1.36	19.1	486
5230.3	Tern	795.0	45/7	1.063	30AH	3.0	1.36	19.1	486
5230.3	Condor	795.0	54/7	1.093	30AH	3.0	1.36	19.1	486
5230.3	Drake	795.0	26/7	1.108	30AH	3.0	1.36	19.1	486
5230.3	Mallard	795.0	30/19	1.140	30AH	3.0	1.36	19.1	486
5230.3	Cuckoo	795.0	24/7	1.092	30AH	3.0	1.36	19.1	486
5230.3	Ruddy	900.0	45/7	1.131	30AH	3.0	1.36	19.1	486
5230.3	Canary	900.0	54/7	1.162	30AH	3.0	1.36	19.1	486
5230.3	Catbird	954.0	36/1	1.140	30AH	3.0	1.36	19.1	486
5230.3	Rail	954.0	45/7	1.165	30AH	3.0	1.36	19.1	486
5230.3	Cardinal	954.0	54/7	1.196	30AH	3.0	1.36	19.1	486
5230.3	Tanager	1033.5	36/1	1.186	30AH	3.0	1.36	19.1	486
5234.3	Ortolan	1033.5	45/7	1.212	34AH	4.2	1.91	20.1	511

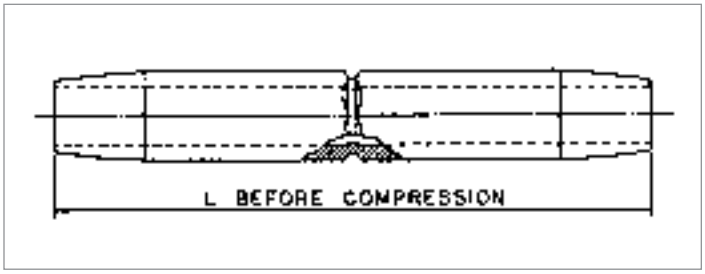
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Repair Sleeves—5200 Series for ACSR Conductors (cont.)

REPAIR SLEEVE CATALOG NUMBER	CONDUCTOR				DIE SIZE	WEIGHT		DIMENSION L	
	CODE NAME	SIZE	STRANDING	DIA.	ALUMINUM HEX DIES				
		KCMIL	AL/ST	IN		LBS	KG	IN	MM
5234.3	Curlew	1033.5	54/7	1.244	34AH	4.2	1.91	20.1	511
5234.3	Bluejay	1113.0	45/7	1.259	34AH	4.2	1.91	20.1	511
5234.3	Bunting	1192.5	45/7	1.302	34AH	4.2	1.91	20.1	511
5236.3	Bittern	1272.0	45/7	1.345	36AH	4.4	2.00	21.0	533
5236.3	Pheasant	1272.0	54/19	1.382	36AH	4.4	2.00	21.0	533
5236.3	Dipper	1351.5	45/7	1.386	36AH	4.4	2.00	21.0	533
5238.3	Martin	1351.5	54/19	1.424	38AH	5.2	2.36	21.9	556
5238.3	Bobolink	1431.0	45/7	1.427	38AH	5.2	2.36	21.9	556
5238.3	Plover	1431.0	54/19	1.465	38AH	5.2	2.36	21.9	556
5238.3	Nuthatch	1510.5	45/7	1.466	38AH	5.2	2.36	21.9	556
5240.3	Parrot	1510.5	54/19	1.506	40AH	6.1	2.77	22.8	578
5240.3	Lapwing	1590.0	45/7	1.504	40AH	6.1	2.77	22.8	578
5240.3	Falcon	1590.0	54/19	1.545	40AH	6.1	2.77	22.8	578
5242.3	Chukar	1780.0	84/19	1.602	42AH	6.8	3.08	23.6	600
5244.3	—	2034.0	72/7	1.681	44AH	8.7	3.95	24.5	622
5244.3	Bluebird	2156.0	84/19	1.762	44AH	8.7	3.95	24.5	622
5244.3	Kiwi	2167.0	72/7	1.737	44AH	8.7	3.95	24.5	622
5244.3	Thrasher	2312.0	76/19	1.802	44AH	8.7	3.95	24.5	622
5248.3	Joree	2515.0	76/19	1.880	48AH	9.1	4.13	24.5	622

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Jumper Connectors—5000 Series for ACSR Conductors



The 5000 Series Jumper Connector is designed for ACSR 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.

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: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

For 795 Drake conductor, the complete catalog number is:

5030.116

JUMPER CONNECTOR CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION L	
	CODE NAME	SIZE	STRANDING	DIA.	ALUMINUM HEX DIES				
		KCMIL	AL/ST	IN		LBS	KG	IN	MM
5074.438	Raven	1/0	6/1	0.398	74AH	0.3	0.11	7.0	178
5074.484	Quail	2/0	6/1	0.447	74AH	0.2	0.10	7.0	178
5075.547	Pigeon	3/0	6/1	0.502	75AH	0.4	0.20	8.0	203
5075.609	Penguin	4/0	6/1	0.563	75AH	0.4	0.18	8.0	203
5076.656	Waxwing	266.8	18/1	0.609	76AH	0.7	0.31	9.0	229
5076.688	Owl	266.8	6/7	0.633	76AH	0.7	0.29	9.0	229
5076.688	Partridge	266.8	26/7	0.642	76AH	0.7	0.29	9.0	229
5076.719	Ostrich	300.0	26/7	0.680	76AH	0.6	0.28	9.0	229
5076.719	Merlin	336.4	18/1	0.684	76AH	0.6	0.28	9.0	229
5076.781	Linnet	336.4	26/7	0.720	76AH	0.6	0.27	9.0	229
5076.781	Chickadee	397.5	18/1	0.743	76AH	0.6	0.27	9.0	229
5020.781	Linnet	336.4	26/7	0.720	20AH	0.7	0.33	10.0	254
5020.781	Oriole	336.4	30/7	0.741	20AH	0.7	0.33	10.0	254
5020.781	Chickadee	397.5	18/1	0.743	20AH	0.7	0.33	10.0	254
5020.812	Brant	397.5	24/7	0.772	20AH	0.7	0.31	10.0	254
5020.844	Ibis	397.5	26/7	0.783	20AH	0.6	0.29	10.0	254
5020.844	Lark	397.5	30/7	0.806	20AH	0.6	0.29	10.0	254
5024.875	Pelican	477.0	18/1	0.814	24AH	1.2	0.54	11.0	279

Notes:

1. AFL Filler Compound (AFC) Requirements are on page 115.
2. Installation Instructions for Jumper Connectors are on page 143.

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Jumper Connectors—5000 Series for ACSR Conductors (cont.)

JUMPER CONNECTOR CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION L	
	CODE NAME	SIZE	STRANDING	DIA.	ALUMINUM HEX DIES				
		KCMIL	AL/ST	IN		LBS	KG	IN	MM
5024.938	Flicker	477.0	24/7	0.846	24AH	1.1	0.50	11.0	279
5024.938	Hawk	477.0	26/7	0.858	24AH	1.1	0.50	11.0	279
5024.938	Hen	477.0	30/7	0.883	24AH	1.1	0.50	11.0	279
5024.938	Osprey	556.5	18/1	0.879	24AH	1.1	0.50	11.0	279
5024.969	Parakeet	556.5	24/7	0.914	24AH	1.0	0.45	11.0	279
5024.969	Dove	556.5	26/7	0.927	24AH	1.0	0.45	11.0	279
5027.100	Eagle	556.5	30/7	0.953	27AH	1.6	0.73	12.0	305
5027.100	Peacock	605.0	24/7	0.953	27AH	1.6	0.73	12.0	305
5027.100	Squab	605.0	26/7	0.966	27AH	1.6	0.73	12.0	305
5027.100	Swift	636.0	36/1	0.930	27AH	1.6	0.73	12.0	305
5027.100	Kingbird	636.0	18/1	0.940	27AH	1.6	0.73	12.0	305
5027.106	Teal	605.0	30/19	0.994	27AH	1.5	0.68	12.0	305
5027.106	Rook	636.0	24/7	0.977	27AH	1.5	0.68	12.0	305
5027.106	Grosbeak	636.0	26/7	0.990	27AH	1.5	0.68	12.0	305
5027.106	Egret	636.0	30/19	1.019	27AH	1.5	0.68	12.0	305
5027.106	Flamingo	666.6	24/7	1.000	27AH	1.5	0.68	12.0	305
5030.109	Stilt	715.5	24/7	1.036	30AH	2.1	0.95	13.0	330
5030.109	Starling	715.5	26/7	1.051	30AH	2.1	0.95	13.0	330
5030.116	Redwing	715.5	30/19	1.081	30AH	2.0	0.91	13.0	330
5030.109	Coot	795.0	36/1	1.040	30AH	2.1	0.95	13.0	330
5030.116	Tern	795.0	45/7	1.063	30AH	2.0	0.91	13.0	330
5030.116	Condor	795.0	54/7	1.093	30AH	2.0	0.91	13.0	330
5030.116	Drake	795.0	26/7	1.108	30AH	2.0	0.91	13.0	330
5030.122	Mallard	795.0	30/19	1.140	30AH	1.8	0.82	13.0	330
5030.116	Cuckoo	795.0	24/7	1.092	30AH	2.0	0.91	13.0	330
5030.122	Ruddy	900.0	45/7	1.131	30AH	1.8	0.82	13.0	330
5030.122	Canary	900.0	54/7	1.162	30AH	1.8	0.82	13.0	330
5030.122	Catbird	954.0	36/1	1.140	30AH	1.8	0.82	13.0	330
5030.122	Rail	954.0	45/7	1.165	30AH	1.8	0.82	13.0	330
5030.125	Cardinal	954.0	54/7	1.196	30AH	1.8	0.82	13.0	330
5030.125	Tanager	1033.5	36/1	1.186	30AH	1.8	0.82	13.0	330
5034.128	Ortolan	1033.5	45/7	1.212	34AH	2.8	1.27	14.0	356
5034.134	Curlew	1033.5	54/7	1.244	34AH	2.6	1.18	14.0	356
5034.134	Bluejay	1113.0	45/7	1.259	34AH	2.6	1.18	14.0	356
5034.138	Bunting	1192.5	45/7	1.302	34AH	2.5	1.13	14.0	356
5036.144	Bittern	1272.0	45/7	1.345	36AH	3.2	1.45	15.0	381
5036.147	Pheasant	1272.0	54/19	1.382	36AH	3.1	1.41	15.0	381
5036.147	Dipper	1351.5	45/7	1.386	36AH	3.1	1.41	15.0	381
5038.150	Martin	1351.5	54/19	1.424	38AH	4.0	1.81	16.0	406
5038.150	Bobolink	1431.0	45/7	1.427	38AH	4.0	1.81	16.0	406
5038.156	Plover	1431.0	54/19	1.465	38AH	3.8	1.72	16.0	406
5038.156	Nuthatch	1510.5	45/7	1.466	38AH	3.8	1.72	16.0	406

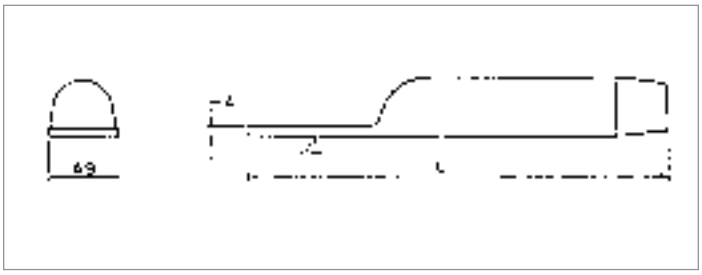
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Jumper Connectors—5000 Series for ACSR Conductors (cont.)

JUMPER CONNECTOR CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION L	
	CODE NAME	SIZE	STRANDING	DIA.	ALUMINUM HEX DIES				
		KCMIL	AL/ST	IN		LBS	KG	IN	MM
5040.162	Parrot	1510.5	54/19	1.506	40AH	4.5	2.04	17.0	432
5040.162	Lapwing	1590.0	45/7	1.504	40AH	4.5	2.04	17.0	432
5040.162	Falcon	1590.0	54/19	1.545	40AH	4.5	2.04	17.0	432
5042.178	Chukar	1780.0	84/19	1.602	42AH	4.6	2.09	17.0	432
5042.178	—	2034.0	72/7	1.681	42AH	4.6	2.09	17.0	432
5044.184	Bluebird	2156.0	84/19	1.762	44AH	5.4	2.45	17.0	432
5044.181	Kiwi	2167.0	72/7	1.737	44AH	5.4	2.45	17.0	432
5044.188	Thrasher	2312.0	76/19	1.802	44AH	5.0	2.27	17.0	432
5048.197	Joree	2515.0	76/19	1.880	48AH	7.3	3.31	19.0	483

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Terminal Connectors—5600 Series for ACSR Conductors, Straight



The 5600 Series Straight Terminal Connector is designed for ACSR conductors. The terminal connector is fabricated from AFL seamless drawn aluminum.

When used with the dead end, the straight terminal connector allows drop at a 15° angle. All terminal 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 Instructions

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'.
For Standard Finish, leave blank.

Step 3: Assemble Catalog Number.

Assy Catalog Number + **EHV Finish**

Example:
For 795 Drake conductor with an EHV finish, the complete catalog number is:

5630.116EHV

TERMINAL CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION						PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.	ALUMINUM HEX DIE			L		A		AB		
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	IN	MM	IN	MM	
5674.438	Raven	1/0	6/1	0.398	74AH	0.3	0.14	8.3	211	0.3	9	1.0	25	B
5674.484	Quail	2/0	6/1	0.447	74AH	0.3	0.12	8.3	211	0.3	8	1.0	25	B
5675.547	Pigeon	3/0	6/1	0.502	75AH	0.5	0.23	9.5	241	0.5	13	1.0	25	B
5675.609	Penguin	4/0	6/1	0.563	75AH	0.5	0.20	9.8	248	0.5	12	1.0	25	B
5676.656	Waxwing	266.8	18/1	0.609	76AH	0.8	0.38	10.4	265	0.6	15	1.3	32	B
5676.688	Owl	266.8	6/7	0.633	76AH	0.8	0.37	10.6	268	0.6	14	1.3	32	B
5676.688	Partridge	266.8	26/7	0.642	76AH	0.8	0.37	10.6	268	0.6	14	1.3	32	B
5676.719	Ostrich	300.0	26/7	0.680	76AH	0.8	0.36	10.7	272	0.5	13	1.3	32	B
5676.719	Merlin	336.4	18/1	0.684	76AH	0.8	0.36	10.7	272	0.5	13	1.3	32	B
5676.781	Linnet	336.4	26/7	0.720	76AH	0.7	0.33	10.9	278	0.5	12	1.3	32	B
5676.781	Chickadee	397.5	18/1	0.743	76AH	0.7	0.33	10.9	278	0.5	12	1.3	32	B
5620.781	Linnet	336.4	26/7	0.720	20AH	0.8	0.38	11.6	295	0.5	12	1.3	32	B
5620.781	Oriole	336.4	30/7	0.741	20AH	0.8	0.38	11.6	295	0.5	12	1.3	32	B
5620.781	Chickadee	397.5	18/1	0.743	20AH	0.8	0.38	11.6	295	0.5	12	1.3	32	B

Notes:
1. Pad Dimensions are on page 117.
2. AFL Filler Compound (AFC) Requirements are on page 117.
3. Installation Instructions for Terminals are on page 131.
4. Bolts, nuts and washers are not supplied with the straight terminal connector.

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Terminal Connectors—5600 Series for ACSR Conductors, Straight (cont.)

TERMINAL CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION						PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.	ALUMINUM HEX DIE			L		A		AB		
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	IN	MM	IN	MM	
5620.812	Brant	397.5	24/7	0.772	20AH	0.8	0.37	12.3	306	0.5	12	1.3	32	B
5620.844	Ibis	397.5	26/7	0.783	20AH	0.8	0.37	12.5	318	0.5	12	1.3	32	B
5620.844	Lark	397.5	30/7	0.806	20AH	0.8	0.37	12.5	318	0.5	12	1.3	32	B
5624.875	Pelican	477.0	18/1	0.814	24AH	1.4	0.64	12.6	319	0.6	16	1.5	38	B
5624.938	Flicker	477.0	24/7	0.846	24AH	1.3	0.59	12.8	324	0.6	15	1.5	38	B
5624.938	Hawk	477.0	26/7	0.858	24AH	1.3	0.59	12.8	324	0.6	15	1.5	38	B
5624.938	Hen	477.0	30/7	0.883	24AH	1.3	0.59	12.8	324	0.6	15	1.5	38	B
5624.938	Osprey	556.5	18/1	0.879	24AH	1.3	0.59	12.8	324	0.6	15	1.5	38	B
5624.969	Parakeet	556.5	24/7	0.914	24AH	1.3	0.59	12.8	325	0.6	15	1.5	38	B
5624.969	Dove	556.5	26/7	0.927	24AH	1.3	0.59	12.8	325	0.6	15	1.5	38	B
5627.100	Eagle	556.5	30/7	0.953	27AH	1.7	0.77	13.1	333	0.4	10	3.0	76	D
5627.100	Peacock	605.0	24/7	0.953	27AH	1.7	0.77	13.1	333	0.4	10	3.0	76	D
5627.100	Squab	605.0	26/7	0.966	27AH	1.7	0.77	13.1	333	0.4	10	3.0	76	D
5627.100	Swift	636.0	36/1	0.930	27AH	1.7	0.77	13.1	333	0.4	10	3.0	76	D
5627.100	Kingbird	636.0	18/1	0.940	27AH	1.7	0.77	13.1	333	0.4	10	3.0	76	D
5627.106	Teal	605.0	30/19	0.994	27AH	1.7	0.77	13.1	333	0.4	10	3.0	76	D
5627.106	Rook	636.0	24/7	0.977	27AH	1.7	0.77	13.1	333	0.4	10	3.0	76	D
5627.106	Grosbeak	636.0	26/7	0.990	27AH	1.7	0.77	13.1	333	0.4	10	3.0	76	D
5627.106	Egret	636.0	30/19	1.019	27AH	1.7	0.77	13.1	333	0.4	10	3.0	76	D
5627.106	Flamingo	666.6	24/7	1.000	27AH	1.7	0.77	13.1	333	0.4	10	3.0	76	D
5630.109	Stilt	715.5	24/7	1.036	30AH	2.4	1.09	14.3	363	0.5	13	3.0	76	D
5630.109	Starling	715.5	26/7	1.051	30AH	2.4	1.09	14.3	363	0.5	13	3.0	76	D
5630.109	Coot	795.0	36/1	1.040	30AH	2.4	1.09	14.3	363	0.5	13	3.0	76	D
5630.116	Redwing	715.5	30/19	1.081	30AH	2.3	1.04	14.6	370	0.5	12	3.0	76	D
5630.116	Tern	795.0	45/7	1.063	30AH	2.3	1.04	14.6	370	0.5	12	3.0	76	D
5630.116	Condor	795.0	54/7	1.093	30AH	2.3	1.04	14.6	370	0.5	12	3.0	76	D
5630.116	Drake	795.0	26/7	1.108	30AH	2.3	1.04	14.6	370	0.5	12	3.0	76	D
5630.116	Cuckoo	795.0	24/7	1.092	30AH	2.3	1.04	14.6	370	0.5	12	3.0	76	D
5630.122	Mallard	795.0	30/19	1.140	30AH	2.2	1.00	14.9	378	0.4	10	3.0	76	D
5630.122	Ruddy	900.0	45/7	1.131	30AH	2.2	1.00	14.9	378	0.4	10	3.0	76	D
5630.122	Canary	900.0	54/7	1.162	30AH	2.2	1.00	14.9	378	0.4	10	3.0	76	D
5630.122	Catbird	954.0	36/1	1.140	30AH	2.2	1.00	14.9	378	0.4	10	3.0	76	D
5630.122	Rail	954.0	45/7	1.165	30AH	2.2	1.00	14.9	378	0.4	10	3.0	76	D
5630.125	Cardinal	954.0	54/7	1.196	30AH	2.2	1.00	14.9	378	0.4	10	3.0	76	D
5630.125	Tanager	1033.5	36/1	1.186	30AH	2.2	1.00	14.9	378	0.4	10	3.0	76	D
5634.128	Ortolan	1033.5	45/7	1.212	34AH	3.3	1.50	15.3	389	0.6	16	3.0	76	D

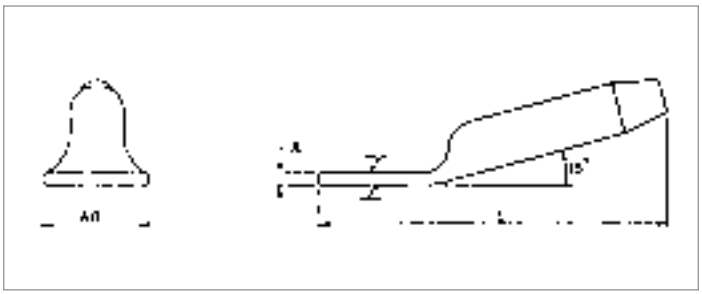
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Terminal Connectors—5600 Series for ACSR Conductors, Straight (cont.)

TERMINAL CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION						PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.	ALUMINUM HEX DIE			L		A		AB		
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	IN	MM	IN	MM	
5634.134	Curlew	1033.5	54/7	1.244	34AH	3.2	1.45	15.8	400	0.6	15	3.0	76	D
5634.134	Bluejay	1113.0	45/7	1.259	34AH	3.2	1.45	15.8	400	0.6	15	3.0	76	D
5634.138	Bunting	1192.5	45/7	1.302	34AH	3.2	1.45	16.0	406	0.6	15	3.0	76	D
5634.138	Finch	1113.0	54/19	1.293	34AH	3.2	1.45	16.0	406	0.6	15	3.0	76	D
5636.144	Bittern	1272.0	45/7	1.345	36AH	3.6	1.63	16.6	421	0.6	15	3.0	76	D
5636.144	Grackle	1192.5	54/19	1.333	36AH	3.6	1.63	16.6	421	0.6	15	3.0	76	D
5636.147	Pheasant	1272.0	54/19	1.382	36AH	3.5	1.59	16.1	409	0.6	16	3.0	76	D
5636.147	Dipper	1351.5	45/7	1.386	36AH	3.5	1.59	16.1	409	0.6	16	3.0	76	D
5638.150	Martin	1351.5	54/19	1.424	38AH	4.4	2.00	17.1	435	0.8	20	3.0	76	D
5638.150	Bobolink	1431.0	45/7	1.427	38AH	4.4	2.00	17.1	435	0.8	20	3.0	76	D
5638.156	Plover	1431.0	54/19	1.465	38AH	4.2	1.91	17.9	454	0.7	17	3.0	76	D
5638.156	Nuthatch	1510.5	45/7	1.466	38AH	4.2	1.91	17.9	454	0.7	17	3.0	76	D
5640.162	Parrot	1510.5	54/19	1.506	40AH	4.8	2.18	17.6	446	0.7	17	3.0	76	D
5640.162	Lapwing	1590.0	45/7	1.504	40AH	4.8	2.18	17.6	446	0.7	17	3.0	76	D
5640.162	Falcon	1590.0	54/19	1.545	40AH	4.8	2.18	17.6	446	0.7	17	3.0	76	D
5642.178	Chukar	1780.0	84/19	1.602	42AH	5.3	2.40	19.0	483	0.7	17	4.0	102	E
5642.178	—	2034.0	72/7	1.681	42AH	5.3	2.40	19.0	483	0.7	17	4.0	102	E
5644.184	Bluebird	2156.0	84/19	1.762	44AH	6.2	2.81	19.6	497	0.7	18	4.0	102	E
5644.181	Kiwi	2167.0	72/7	1.737	44AH	6.3	2.86	19.5	493	0.7	18	4.0	102	E
5644.188	Thrasher	2312.0	76/19	1.802	44AH	6.1	2.77	19.6	498	0.7	18	4.0	102	E
5648.197	Joree	2515.0	76/19	1.880	48AH	8.2	3.72	21.6	549	0.8	21	4.0	102	E

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Terminal Connectors—5100 Series for ACSR Conductors, 15°



The 5100 Series 15° Terminal Connector is designed for ACSR conductors. The terminal connector is fabricated from AFL seamless drawn aluminum.

When used with the dead end, the 15° terminal connector can be bolted in either the straight or 30° position. All terminal 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. Aluminum hardware is supplied with the 15° terminal connector.

Ordering Instructions

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'.
For Standard Finish, leave blank.

Step 3: Assemble Catalog Number.

Assy Catalog Number + **EHV Finish**

Example:
For 795 Drake conductor with an EHV finish, the complete catalog number is:

5130.116EHV

TERMINAL CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION						PAD SIZE
	CODE WORD	SIZE	STRAND-ING	DIA.	ALUMINUM HEX DIE			L		A		AB		
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	IN	MM	IN	MM	
5174.438	Grouse	80.0	6/1	0.367	74AH	0.4	0.20	8.3	211	0.3	9	1.0	25	B
5174.438	Raven	1/0	6/1	0.398	74AH	0.4	0.20	8.3	211	0.3	9	1.0	25	B
5174.484	Quail	2/0	6/1	0.447	74AH	0.4	0.19	8.3	211	0.3	8	1.0	25	B
5175.547	Pigeon	3/0	6/1	0.502	75AH	0.7	0.29	9.5	241	0.5	13	1.0	25	B
5175.609	Penguin	4/0	6/1	0.563	75AH	0.6	0.27	9.8	248	0.5	12	1.0	25	B
5176.656	Waxwing	266.8	18/1	0.609	76AH	0.9	0.41	10.4	265	0.6	15	1.3	32	B
5176.688	Owl	266.8	6/7	0.633	76AH	0.9	0.40	10.6	268	0.6	14	1.3	32	B
5176.688	Partridge	266.8	26/7	0.642	76AH	0.9	0.40	10.6	268	0.6	14	1.3	32	B
5176.719	Ostrich	300.0	26/7	0.680	76AH	0.9	0.39	10.7	272	0.5	13	1.3	32	B
5176.719	Merlin	336.4	18/1	0.684	76AH	0.9	0.39	10.7	272	0.5	13	1.3	32	B
5176.781	Linnet	336.4	26/7	0.720	76AH	0.8	0.37	10.9	276	0.5	12	1.3	32	B
5176.781	Chickadee	397.5	18/1	0.743	76AH	0.8	0.37	10.9	276	0.5	12	1.3	32	B

Notes:
1. Pad Dimensions are on page 117.
2. AFL Filler Compound (AFC) Requirements are on page 115.
3. Installation Instructions for Terminals are on page 131.
4. Supplied with aluminum hardware.

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Terminal Connectors—5100 Series for ACSR Conductors, 15° (cont.)

TERMINAL CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION						PAD SIZE
	CODE WORD	SIZE	STRAND-ING	DIA.	ALUMINUM HEX DIE			L		A		AB		
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	IN	MM	IN	MM	
5120.781	Linnet	336.4	26/7	0.720	20AH	1.0	0.45	11.6	295	0.5	12	1.3	32	B
5120.781	Oriole	336.4	30/7	0.741	20AH	1.0	0.45	11.6	295	0.5	12	1.3	32	B
5120.781	Chickadee	397.5	18/1	0.743	20AH	1.0	0.45	11.6	295	0.5	12	1.3	32	B
5120.812	Brant	397.5	24/7	0.772	20AH	1.0	0.44	12.1	306	0.5	12	1.3	32	B
5120.844	Ibis	397.5	26/7	0.783	20AH	1.0	0.44	12.5	318	0.5	12	1.3	32	B
5120.844	Lark	397.5	30/7	0.806	20AH	1.0	0.44	12.5	318	0.5	12	1.3	32	B
5124.875	Pelican	477.0	18/1	0.814	24AH	1.6	0.73	12.6	319	0.6	16	1.5	38	B
5124.938	Flicker	477.0	24/7	0.846	24AH	1.5	0.68	12.8	324	0.6	15	1.5	38	B
5124.938	Hawk	477.0	26/7	0.858	24AH	1.5	0.68	12.8	324	0.6	15	1.5	38	B
5124.938	Hen	477.0	30/7	0.883	24AH	1.5	0.68	12.8	324	0.6	15	1.5	38	B
5124.938	Osprey	556.5	18/1	0.879	24AH	1.5	0.68	12.8	324	0.6	15	1.5	38	B
5124.969	Parakeet	556.5	24/7	0.914	24AH	1.5	0.68	12.8	325	0.6	15	1.5	38	B
5124.969	Dove	556.5	26/7	0.927	24AH	1.5	0.68	12.8	325	0.6	15	1.5	38	B
5127.100	Eagle	556.5	30/7	0.953	27AH	1.9	0.86	12.3	313	0.4	10	3.0	76	D
5127.100	Peacock	605.0	24/7	0.953	27AH	1.9	0.86	12.3	313	0.4	10	3.0	76	D
5127.100	Squab	605.0	26/7	0.966	27AH	1.9	0.86	12.3	313	0.4	10	3.0	76	D
5127.106	Teal	605.0	30/19	0.994	27AH	1.9	0.86	12.3	313	0.4	10	3.0	76	D
5127.100	Swift	636.0	36/1	0.930	27AH	1.9	0.86	12.3	313	0.4	10	3.0	76	D
5127.100	Kingbird	636.0	18/1	0.940	27AH	1.9	0.86	12.3	313	0.4	10	3.0	76	D
5127.106	Rook	636.0	24/7	0.977	27AH	1.9	0.86	12.3	313	0.4	10	3.0	76	D
5127.106	Grosbeak	636.0	26/7	0.990	27AH	1.9	0.86	12.3	313	0.4	10	3.0	76	D
5127.106	Egret	636.0	30/19	1.019	27AH	1.9	0.86	12.3	313	0.4	10	3.0	76	D
5127.106	Flamingo	666.6	24/7	1.000	27AH	1.9	0.86	12.3	313	0.4	10	3.0	76	D
5130.109	Stilt	715.5	24/7	1.036	30AH	2.7	1.22	13.6	346	0.5	13	3.0	76	D
5130.109	Starling	715.5	26/7	1.051	30AH	2.7	1.22	13.6	346	0.5	13	3.0	76	D
5130.109	Coot	795.0	36/1	1.040	30AH	2.7	1.22	13.6	346	0.5	13	3.0	76	D
5130.116	Redwing	715.5	30/19	1.081	30AH	2.6	1.18	13.9	354	0.5	12	3.0	76	D
5130.116	Tern	795.0	45/7	1.063	30AH	2.6	1.18	13.9	354	0.5	12	3.0	76	D
5130.116	Condor	795.0	54/7	1.093	30AH	2.6	1.18	13.9	354	0.5	12	3.0	76	D
5130.116	Drake	795.0	26/7	1.108	30AH	2.6	1.18	13.9	354	0.5	12	3.0	76	D
5130.116	Cuckoo	795.0	24/7	1.092	30AH	2.6	1.18	13.9	354	0.5	12	3.0	76	D
5130.122	Mallard	795.0	30/19	1.140	30AH	2.5	1.13	14.3	362	0.4	10	3.0	76	D
5130.122	Ruddy	900.0	45/7	1.131	30AH	2.5	1.13	14.3	362	0.4	10	3.0	76	D
5130.122	Canary	900.0	54/7	1.162	30AH	2.5	1.13	14.3	362	0.4	10	3.0	76	D
5130.122	Catbird	954.0	36/1	1.140	30AH	2.5	1.13	14.3	362	0.4	10	3.0	76	D
5130.122	Rail	954.0	45/7	1.165	30AH	2.5	1.13	14.3	362	0.4	10	3.0	76	D

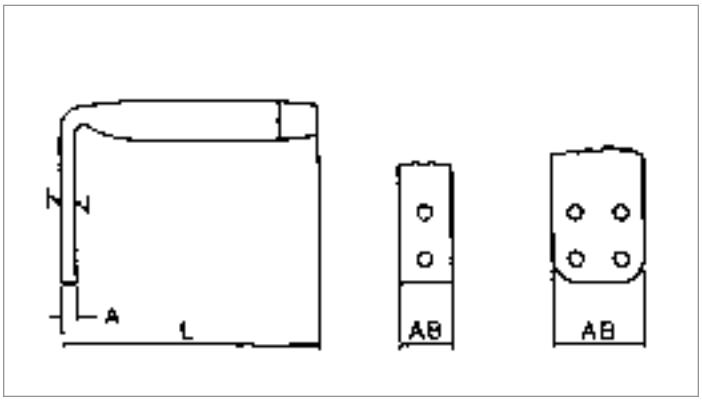
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Terminal Connectors—5100 Series for ACSR Conductors, 15° (cont.)

TERMINAL CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION						PAD SIZE
	CODE WORD	SIZE	STRAND-ING	DIA.	ALUMINUM HEX DIE			L		A		AB		
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	IN	MM	IN	MM	
5130.125	Cardinal	954.0	54/7	1.196	30AH	2.5	1.13	14.4	367	0.4	10	3.0	76	D
5130.125	Tanager	1033.5	36/1	1.186	30AH	2.5	1.13	14.4	367	0.4	10	3.0	76	D
5134.128	Ortolan	1033.5	45/7	1.212	34AH	3.6	1.63	14.3	363	0.6	16	3.0	76	D
5134.134	Curlew	1033.5	54/7	1.244	34AH	3.5	1.59	14.5	368	0.6	15	3.0	76	D
5134.134	Bluejay	1113.0	45/7	1.259	34AH	3.5	1.59	14.5	368	0.6	15	3.0	76	D
5134.138	Finch	1113.0	54/19	1.293	34AH	3.4	1.54	14.6	370	0.6	15	3.0	76	D
5134.138	Bunting	1192.5	45/7	1.302	34AH	3.4	1.54	14.6	370	0.6	15	3.0	76	D
5136.144	Grackle	1192.5	54/19	1.333	36AH	3.8	1.72	15.3	389	0.6	15	3.0	76	D
5136.144	Bittern	1272.0	45/7	1.345	36AH	3.8	1.72	15.3	389	0.6	15	3.0	76	D
5136.147	Pheasant	1272.0	54/19	1.382	36AH	3.8	1.72	15.1	384	0.6	16	3.0	76	D
5136.147	Dipper	1351.5	45/7	1.386	36AH	3.8	1.72	15.1	384	0.6	16	3.0	76	D
5138.150	Martin	1351.5	54/19	1.424	38AH	4.5	2.04	15.8	400	0.8	20	3.0	76	D
5138.150	Bobolink	1431.0	45/7	1.427	38AH	4.5	2.04	15.8	400	0.8	20	3.0	76	D
5138.156	Plover	1431.0	54/19	1.465	38AH	4.4	2.00	16.7	424	0.9	17	3.0	76	D
5138.156	Nuthatch	1510.5	45/7	1.466	38AH	4.4	2.00	16.7	424	0.9	17	3.0	76	D
5140.162	Parrot	1510.5	54/19	1.506	40AH	5.3	2.40	17.4	443	0.7	18	4.0	102	E
5140.162	Lapwing	1590.0	45/7	1.504	40AH	5.3	2.40	17.4	443	0.7	18	4.0	102	E
5140.162	Falcon	1590.0	54/19	1.545	40AH	5.3	2.40	17.4	443	0.7	18	4.0	102	E
5142.178	Chukar	1780.0	84/19	1.602	42AH	5.7	2.59	18.5	470	0.7	17	4.0	102	E
5142.178	—	2034.0	72/7	1.681	42AH	5.7	2.59	18.5	470	0.7	17	4.0	102	E
5144.184	Bluebird	2156.0	84/19	1.762	44AH	6.7	3.04	18.6	471	0.7	18	4.0	102	E
5144.181	Kiwi	2167.0	72/7	1.737	44AH	6.7	3.04	18.6	471	0.7	18	4.0	102	E
5144.188	Thrasher	2312.0	76/19	1.802	44AH	6.6	2.99	18.6	473	0.7	18	4.0	102	E
5148.197	Joree	2515.0	76/19	1.880	48AH	8.7	3.95	20.3	514	0.8	21	4.0	102	E

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Terminal Connectors—5800 Series for ACSR Conductors, 90°



The 5800 Series 90° Terminal Connector is designed for ACSR conductors. The terminal connector is fabricated from AFL seamless drawn aluminum.

All terminal 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 Instructions

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'.
For Standard Finish, leave blank.

Step 3: Assemble Catalog Number.

Assy Catalog Number + **EHV Finish**

Example:
For 795 Drake conductor with an EHV finish, the complete catalog number is:

5830.116EHV

TERMINAL CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION						PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.	ALUMINUM HEX DIE			L		A		AB		
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	IN	MM	IN	MM	
5874.438	Grouse	80.0	8/1	0.367	74AH	0.3	0.15	4.9	124	0.3	9	1.0	25	B
5874.438	Raven	1/0	6/1	0.398	74AH	0.3	0.15	4.9	124	0.3	9	1.0	25	B
5874.484	Quail	2/0	6/1	0.447	74AH	0.3	0.15	4.9	124	0.3	9	1.0	25	B
5875.547	Pigeon	3/0	6/1	0.502	75AH	0.5	0.24	6.0	152	0.5	13	1.0	25	B
5875.609	Penguin	4/0	6/1	0.563	75AH	0.5	0.22	6.3	159	0.5	12	1.0	25	B
5876.656	Waxwing	266.8	18/1	0.609	76AH	0.8	0.38	7.1	181	0.6	15	1.3	32	B
5876.688	Owl	266.8	6/7	0.633	76AH	0.8	0.37	7.3	184	0.6	14	1.3	32	B
5876.688	Partridge	266.8	26/7	0.642	76AH	0.8	0.37	7.3	184	0.6	14	1.3	32	B

Notes:
1. Pad Dimensions are on page 117.
2. AFL Filler Compound (AFC) Requirements are on page 115.
3. Installation Instructions for Terminals are on page 131.
4. Bolts, nuts and washers are not supplied with the 90° terminal connector.

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Terminal Connectors—5800 Series for ACSR Conductors, 90° (cont.)

TERMINAL CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION						PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.	ALUMINUM HEX DIE			L		A		AB		
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	IN	MM	IN	MM	
5876.719	Ostrich	300.0	26/7	0.680	76AH	0.8	0.36	7.3	184	0.5	13	1.3	32	B
5876.719	Merlin	336.4	18/1	0.684	76AH	0.8	0.36	7.3	184	0.5	13	1.3	32	B
5876.781	Linnet	336.4	26/7	0.720	76AH	0.7	0.33	7.6	194	0.5	12	1.3	32	B
5876.781	Chickadee	397.5	18/1	0.743	76AH	0.7	0.33	7.6	194	0.5	12	1.3	32	B
5820.781	Linnet	336.4	26/7	0.720	20AH	0.9	0.40	8.5	216	0.5	12	1.3	32	B
5820.781	Oriole	336.4	30/7	0.741	20AH	0.9	0.40	8.5	216	0.5	12	1.3	32	B
5820.781	Chickadee	397.5	18/1	0.743	20AH	0.9	0.40	8.5	216	0.5	12	1.3	32	B
5820.812	Brant	397.5	24/7	0.772	20AH	0.9	0.39	8.9	226	0.5	12	1.3	32	B
5820.844	Ibis	397.5	26/7	0.783	20AH	0.9	0.40	9.1	232	0.5	12	1.3	32	B
5820.844	Lark	397.5	30/7	0.806	20AH	0.9	0.40	9.1	232	0.5	12	1.3	32	B
5824.875	Pelican	477.0	18/1	0.814	24AH	1.5	0.68	9.4	238	0.6	16	1.5	38	B
5824.938	Flicker	477.0	24/7	0.846	24AH	1.4	0.64	9.5	241	0.6	15	1.5	38	B
5824.938	Hawk	477.0	26/7	0.858	24AH	1.4	0.64	9.5	241	0.6	15	1.5	38	B
5824.938	Hen	477.0	30/7	0.883	24AH	1.4	0.64	9.5	241	0.6	15	1.5	38	B
5824.938	Osprey	556.5	18/1	0.879	24AH	1.4	0.64	9.5	241	0.6	15	1.5	38	B
5824.969	Parakeet	556.5	24/7	0.914	24AH	1.4	0.64	9.5	241	0.6	15	1.5	38	B
5824.969	Dove	556.5	26/7	0.927	24AH	1.4	0.64	9.5	241	0.6	15	1.5	38	B
5827.100	Eagle	556.5	30/7	0.953	27AH	1.7	0.77	8.9	226	0.4	10	3.0	76	D
5827.100	Peacock	605.0	24/7	0.953	27AH	1.7	0.77	8.9	226	0.4	10	3.0	76	D
5827.100	Squab	605.0	26/7	0.966	27AH	1.7	0.77	8.9	226	0.4	10	3.0	76	D
5827.100	Swift	636.0	36/1	0.930	27AH	1.7	0.77	8.9	226	0.4	10	3.0	76	D
5827.100	Kingbird	636.0	18/1	0.940	27AH	1.7	0.77	8.9	226	0.4	10	3.0	76	D
5827.106	Teal	605.0	30/19	0.994	27AH	1.7	0.77	8.9	226	0.4	10	3.0	76	D
5827.106	Rook	636.0	24/7	0.977	27AH	1.7	0.77	8.9	226	0.4	10	3.0	76	D
5827.106	Grosbeak	636.0	26/7	0.990	27AH	1.7	0.77	8.9	226	0.4	10	3.0	76	D
5827.106	Egret	636.0	30/19	1.019	27AH	1.7	0.77	8.9	226	0.4	10	3.0	76	D
5827.106	Flamingo	666.6	24/7	1.000	27AH	1.7	0.77	8.9	226	0.4	10	3.0	76	D
5830.109	Stilt	715.5	24/7	1.036	30AH	2.4	1.09	10.3	260	0.5	13	3.0	76	D
5830.109	Starling	715.5	26/7	1.051	30AH	2.4	1.09	10.3	260	0.5	13	3.0	76	D
5830.109	Coot	795.0	36/1	1.040	30AH	2.4	1.09	10.3	260	0.5	13	3.0	76	D
5830.116	Redwing	715.5	30/19	1.081	30AH	2.3	1.04	10.5	267	0.5	12	3.0	76	D
5830.116	Tern	795.0	45/7	1.063	30AH	2.3	1.04	10.5	267	0.5	12	3.0	76	D
5830.116	Condor	795.0	54/7	1.093	30AH	2.3	1.04	10.5	267	0.5	12	3.0	76	D
5830.116	Drake	795.0	26/7	1.108	30AH	2.3	1.04	10.5	267	0.5	12	3.0	76	D
5830.116	Cuckoo	795.0	24/7	1.092	30AH	2.3	1.04	10.5	267	0.5	12	3.0	76	D
5830.122	Mallard	795.0	30/19	1.140	30AH	2.2	1.00	10.8	273	0.4	10	3.0	76	D

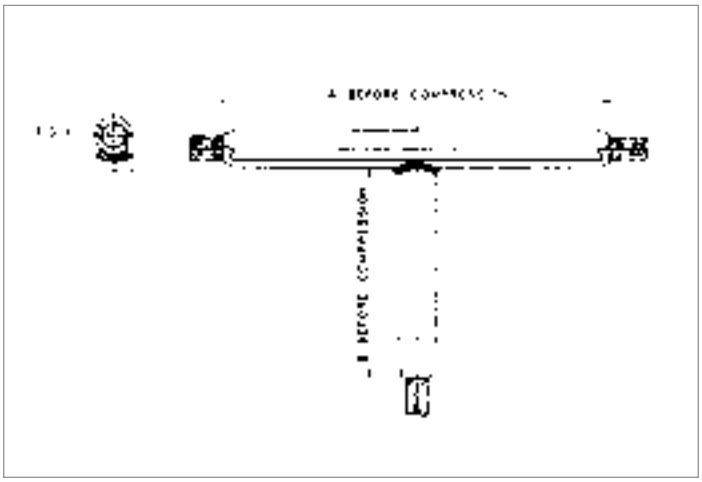
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Terminal Connectors—5800 Series for ACSR Conductors, 90° (cont.)

TERMINAL CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION						PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.	ALUMINUM HEX DIE			L		A		AB		
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	IN	MM	IN	MM	
5830.122	Ruddy	900.0	45/7	1.131	30AH	2.2	1.00	10.8	273	0.4	10	3.0	76	D
5830.122	Canary	900.0	54/7	1.162	30AH	2.2	1.00	10.8	273	0.4	10	3.0	76	D
5830.122	Catbird	954.0	36/1	1.140	30AH	2.2	1.00	10.8	273	0.4	10	3.0	76	D
5830.122	Rail	954.0	45/7	1.165	30AH	2.2	1.00	10.8	273	0.4	10	3.0	76	D
5830.125	Cardinal	954.0	54/7	1.196	30AH	2.2	1.00	10.9	276	0.4	10	3.0	76	D
5830.125	Tanager	1033.5	36/1	1.186	30AH	2.2	1.00	10.9	276	0.4	10	3.0	76	D
5834.128	Ortolan	1033.5	45/7	1.212	34AH	3.3	1.50	11.5	292	0.6	16	3.0	76	D
5834.134	Curlew	1033.5	54/7	1.244	34AH	3.2	1.45	11.5	292	0.6	15	3.0	76	D
5834.134	Bluejay	1113.0	45/7	1.259	34AH	3.2	1.45	11.5	292	0.6	15	3.0	76	D
5834.138	Finch	1113.0	54/19	1.293	34AH	3.1	1.41	11.5	292	0.6	15	3.0	76	D
5834.138	Bunting	1192.5	45/7	1.302	34AH	3.1	1.41	11.5	292	0.6	15	3.0	76	D
5936.144	Crackle	1192.5	54/19	1.333	36AH	3.5	1.6	12.1	308	0.6	15	3.0	76	D
5836.144	Bittern	1272.0	45/7	1.345	36AH	3.5	1.59	12.1	308	0.6	15	3.0	76	D
5836.147	Pheasant	1272.0	54/19	1.382	36AH	3.5	1.59	12.1	308	0.6	16	3.0	76	D
5836.147	Dipper	1351.5	45/7	1.386	36AH	3.5	1.59	12.1	308	0.6	16	3.0	76	D
5838.150	Martin	1351.5	54/19	1.424	38AH	4.2	1.91	12.6	321	0.8	20	3.0	76	D
5838.150	Bobolink	1431.0	45/7	1.427	38AH	4.2	1.91	12.6	321	0.8	20	3.0	76	D
5838.156	Plover	1431.0	54/19	1.465	38AH	4.2	1.91	13.6	346	0.7	17	3.0	76	D
5838.156	Nuthatch	1510.5	45/7	1.466	38AH	4.2	1.91	13.6	346	0.7	17	3.0	76	D
5840.162	Parrot	1510.5	54/19	1.506	40AH	4.7	2.13	13.3	338	0.7	17	3.0	76	D
5840.162	Lapwing	1590.0	45/7	1.504	40AH	4.7	2.13	13.3	338	0.7	17	3.0	76	D
5840.162	Falcon	1590.0	54/19	1.545	40AH	4.7	2.13	13.3	338	0.7	17	3.0	76	D
5842.178	Chukar	1780.0	84/19	1.602	42AH	5.5	2.49	14.5	368	0.7	17	4.0	102	E
5842.178	—	2034.0	72/7	1.681	42AH	5.5	2.49	14.5	368	0.7	17	4.0	102	E
5844.181	Kiwi	2167.0	72/7	1.737	44AH	6.7	3.04	14.6	371	0.7	18	4.0	102	E
5844.184	Bluebird	2156.0	84/19	1.762	44AH	6.6	2.99	14.8	375	0.7	18	4.0	102	E
5844.188	Thrasher	2312.0	76/19	1.802	44AH	6.6	2.99	15.1	384	0.7	18	4.0	102	E
5848.197	Joree	2515.0	76/19	1.880	48AH	8.5	3.86	16.4	416	0.8	21	4.0	102	E

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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.

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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 CONDUC-TOR	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

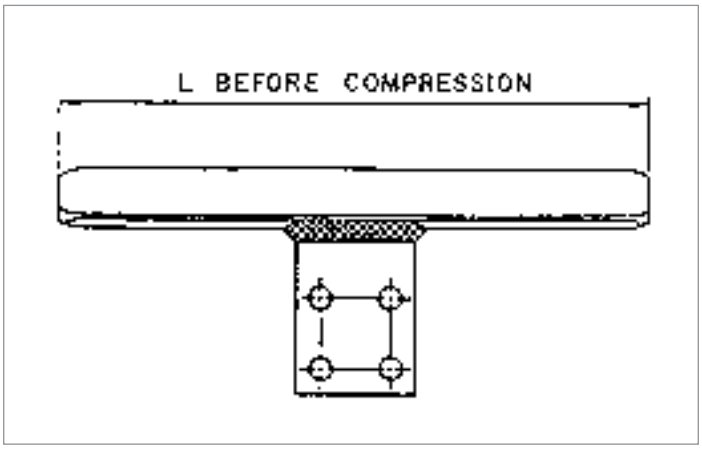
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Tee Connector—5500 Series for ACSR Conductors, Open Run (cont.)

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
Ortolan	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

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Tee Tap—5300 Series for ACSR Conductors, Open Run



The 5300 Series Tee Tap is a permanent or temporary drop designed for ACSR conductors. It 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.

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: Catalog Number
Determine the catalog number based on the conductor being used.

Step 2: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'.
For Standard Finish, leave blank.

Step 3: Assemble Catalog Number.

Catalog Number	+	EHV Finish

Example:
For 795 Drake conductor with EHV finish, the complete catalog number is:

5330.3EHV

Notes:
1. Pad Dimensions are on page 117.
2. AFL Filler Compound (AFC) requirements are on page 115.
3. Bolt sizes and torque recommendations are on page 118.
4. Installation Instructions for Open Run Tee Taps are on page 144.

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Tee Tap—5300 Series for ACSR Conductors, Open Run (cont.)

TEE TAP CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION A		PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.	ALUMINUM HEX DIE					
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	
5374	Raven	1/0	6/1	0.398	74AH	0.5	0.20	7.6	192	B
5374	Quail	2/0	6/1	0.447	74AH	0.5	0.20	7.6	192	B
5375	Pigeon	3/0	6/1	0.502	75AH	0.7	0.34	8.6	217	B
5375	Penguin	4/0	6/1	0.563	75AH	0.7	0.34	8.6	217	B
5376	Waxwing	266.8	18/1	0.609	76AH	1.1	0.50	10.0	254	B
5376	Owl	266.8	6/7	0.633	76AH	1.1	0.50	10.0	254	B
5376	Partridge	266.8	26/7	0.642	76AH	1.1	0.50	10.0	254	B
5376	Ostrich	300.0	26/7	0.680	76AH	1.1	0.50	10.0	254	B
5376	Merlin	336.4	18/1	0.684	76AH	1.1	0.50	10.0	254	B
5376	Linnet	336.4	26/7	0.720	76AH	1.1	0.50	10.0	254	B
5376	Chickadee	397.5	18/1	0.743	76AH	1.1	0.50	10.0	254	B
5320.3	Linnet	336.4	26/7	0.720	20AH	1.2	0.54	12.5	318	B
5320.3	Oriole	336.4	30/7	0.741	20AH	1.2	0.54	12.5	318	B
5320.3	Chickadee	397.5	18/1	0.743	20AH	1.2	0.54	12.5	318	B
5320.3	Brant	397.5	24/7	0.772	20AH	1.2	0.54	12.5	318	B
5320.3	Ibis	397.5	26/7	0.783	20AH	1.2	0.54	12.5	318	B
5320.3	Lark	397.5	30/7	0.806	20AH	1.2	0.54	12.5	318	B
5324.3	Pelican	477.0	18/1	0.814	24AH	1.8	0.82	13.3	337	B
5324.3	Flicker	477.0	24/7	0.846	24AH	1.8	0.82	13.3	337	B
5324.3	Hawk	477.0	26/7	0.858	24AH	1.8	0.82	13.3	337	B
5324.3	Hen	477.0	30/7	0.883	24AH	1.8	0.82	13.3	337	B
5324.3	Osprey	556.5	18/1	0.879	24AH	1.8	0.82	13.3	337	B
5234.3	Parakeet	556.5	24/7	0.914	24AH	1.8	0.82	13.3	337	B
5324.3	Dove	556.5	26/7	0.927	24AH	1.8	0.82	13.3	337	B
5327.3	Eagle	556.5	30/7	0.953	27AH	3.0	1.36	15.3	387	D
5327.3	Peacock	605.0	24/7	0.953	27AH	3.0	1.36	15.3	387	D
5327.3	Squab	605.0	26/7	0.966	27AH	3.0	1.36	15.3	387	D
5327.3	Teal	605.0	30/19	0.994	27AH	3.0	1.36	15.3	387	D
5327.3	Swift	636.0	36/1	0.930	27AH	3.0	1.36	15.3	387	D
5327.3	Kingbird	636.0	18/1	0.940	27AH	3.0	1.36	15.3	387	D
5327.3	Rook	636.0	24/7	0.977	27AH	3.0	1.36	15.3	387	D
5327.3	Grosbeak	636.0	26/7	0.990	27AH	3.0	1.36	15.3	387	D
5327.3	Egret	636.0	30/19	1.019	27AH	3.0	1.36	15.3	387	D
5327.3	Flamingo	666.6	24/7	1.000	27AH	3.0	1.36	15.3	387	D
5330.3	Stilt	715.5	24/7	1.036	30AH	3.4	1.54	16.8	425	D
5330.3	Starling	715.5	26/7	1.051	30AH	3.4	1.54	16.8	425	D
5330.3	Redwing	715.5	30/19	1.081	30AH	3.4	1.54	16.8	425	D
5330.3	Coot	795.0	36/1	1.040	30AH	3.4	1.54	16.8	425	D
5330.3	Tern	795.0	45/7	1.063	30AH	3.4	1.54	16.8	425	D
5330.3	Condor	795.0	54/7	1.093	30AH	3.4	1.54	16.8	425	D

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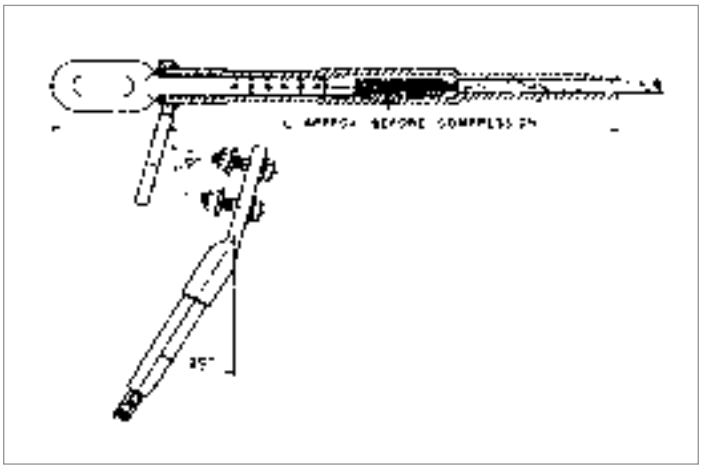
Tee Tap—5300 Series for ACSR Conductors, Open Run (cont.)

TEE TAP CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION A		PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.	ALUMINUM HEX DIE					
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	
5330.3	Drake	795.0	26/7	1.108	30AH	3.4	1.54	16.8	425	D
5330.3	Mallard	795.0	30/19	1.140	30AH	3.4	1.54	16.8	425	D
5330.3	Cuckoo	795.0	24/7	1.092	30AH	3.4	1.54	16.8	425	D
5330.3	Ruddy	900.0	45/7	1.131	30AH	3.4	1.54	16.8	425	D
5330.3	Canary	900.0	54/7	1.162	30AH	3.4	1.54	16.8	425	D
5330.3	Catbird	954.0	36/1	1.140	30AH	3.4	1.54	16.8	425	D
5330.3	Rail	954.0	45/7	1.165	30AH	3.4	1.54	16.8	425	D
5330.3	Cardinal	954.0	54/7	1.196	30AH	3.4	1.54	16.8	425	D
5330.3	Tanager	1033.5	36/1	1.186	30AH	3.4	1.54	16.8	425	D
5334.3	Ortolan	1033.5	45/7	1.212	34AH	4.5	2.04	17.8	451	D
5334.3	Curlew	1033.5	54/7	1.244	34AH	4.5	2.04	17.8	451	D
5334.3	Bluejay	1113.0	45/7	1.259	34AH	4.5	2.04	17.8	451	D
5334.3	Bunting	1192.5	45/7	1.302	34AH	4.5	2.04	17.8	451	D
5336.3	Bittern	1272.0	45/7	1.345	36AH	4.7	2.13	18.5	470	D
5336.3	Pheasant	1272.0	54/19	1.382	36AH	4.7	2.13	18.5	470	D
5336.3	Dipper	1351.5	45/7	1.386	36AH	4.7	2.13	18.5	470	D
5338.3	Martin	1351.5	54/19	1.424	38AH	5.3	2.40	19.0	483	D
5338.3	Bobolink	1431.0	45/7	1.427	38AH	5.3	2.40	19.0	483	D
5338.3	Plover	1431.0	54/19	1.465	38AH	5.3	2.40	19.0	483	D
5338.3	Nuthatch	1510.5	45/7	1.466	38AH	5.3	2.40	19.0	483	D
5340.3	Parrot	1510.5	54/19	1.506	40AH	6.1	2.77	19.5	495	D
5340.3	Lapwing	1590.0	45/7	1.504	40AH	6.1	2.77	19.5	495	D
5340.3	Falcon	1590.0	54/19	1.545	40AH	6.1	2.77	19.5	495	D
5342.3	Chukar	1780.0	84/19	1.602	42AH	7.7	3.49	21.0	533	E
5344.3	—	2034.0	72/7	1.681	44AH	9.7	4.40	22.8	578	E
5344.3	Bluebird	2156.0	84/19	1.762	44AH	9.7	4.40	22.8	578	E
5344.3	Kiwi	2167.0	72/7	1.737	44AH	9.7	4.40	22.8	578	E
5344.3	Thrasher	2312.0	76/19	1.802	44AH	9.7	4.40	22.8	578	E
5348.3	Joree	2515.0	76/19	1.880	48AH	10.6	4.81	24.0	610	E
5344.3	Kiwi	2167.0	72/7	1.737	44AH	9.7	4.40	22.8	578	E
5344.3	Thrasher	2312.0	76/19	1.802	44AH	9.7	4.40	22.8	578	E
5348.3	Joree	2515.0	76/19	1.880	48AH	10.6	4.81	24.0	610	E

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Compression Dead Ends—33100 Series for Extra High Strength ACSR Conductor, Eye Type, Single Tongue



The 33100 Series Dead End Assembly is designed for Extra High Strength ACSR conductors (see page 19 for standard ACSR accessories). The aluminum body of the dead end is fabricated from AFL seamless drawn aluminum. The tongue and terminal pad are constructed with a 15° angle, which permits the terminal connector to be bolted in the straight or 30° position.

All dead ends are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor on which they are used. Each dead end assembly comes with a dead end body, steel eye, 15° terminal and aluminum hardware.

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. Corona bolts are furnished as standard on 15° terminals for these section sizes.

The square edges of bolted pads on compression accessories could cause Corona in environments greater than or equal to 345 kV. Pads with edges and corners rounded can be supplied by adding the catalog suffix "EHV".

Ordering Instructions

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector
For an assembly without a terminal connector, use 'NT'.
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'.
For Standard Finish, leave blank.

Step 4: Assemble Catalog Number.

Assy Catalog Number	+	Terminal Connector	+	EHV Finish

Example:
For 203.2 Brahma conductor with no terminal, the complete catalog number is:

E33193NT

Notes:
1. Eye Dimensions are on page 119.
2. Pad Dimensions are on page 117.
3. AFL Filler Compound (AFC) Requirements are on page 115.
4. Installation Instructions for Terminals are on page 134.

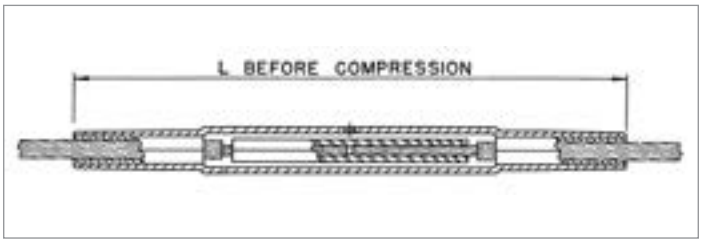
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Compression Dead Ends—33100 Series for Extra High Strength ACSR Conductor, Eye Type, Single Tongue (cont.)

DEAD END ASSEMBLY CATALOG NUMBER	CONDUCTOR				ALUMINUM BODY SINGLE TONGUE	STEEL EYE	15° TERMINAL CONNECTOR	DIE SIZE			TOTAL WEIGHT		DIMENSION L		PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.				BODY	ALUMINUM HEX DIES	STEEL HEX DIES	LBS	KG	IN	MM	
		KCMIL	AL/ST	IN											
E33186	Petrel	101.8	12/7	0.461	8320.500	9110.295	5174.484	20AH	74AH	10SH	3.6	1.65	18.0	457	B
E33187	Minorca	110.8	12/7	0.481	8320.531	9110.302	5174.500	20AH	74AH	10SH	3.6	1.64	18.0	457	B
E33188	Leghorn	134.6	12/7	0.530	8324.552	9112.332	5175.547	24AH	75AH	12SH	4.9	2.19	19.5	495	B
E33189	Guinea	159.0	12/7	0.576	8324.625	9112.377	5175.609	24AH	75AH	12SH	4.6	2.08	19.5	495	B
E33190	Dotterel	176.9	12/7	0.607	8324.656	9112.386	5176.656	24AH	76AH	12SH	4.9	2.22	19.5	495	B
E33191	—	183.6	18/12	0.707	8330.750	9316.531	5176.750	30AH	76AH	16SH	8.2	3.74	21.4	545	B
E33192	Dorking	190.8	12/7	0.631	8324.688	9214.406	5176.688	24AH	76AH	14SH	5.5	2.49	20.3	514	B
E33193	Brahma	203.2	16/19	0.714	8330.750	9316.516	5176.750	30AH	76AH	16SH	8.2	3.74	21.4	545	B
E33194	Cochin	211.3	12/7	0.663	8324.719	9214.422	5176.719	24AH	76AH	14SH	5.4	2.43	20.3	514	B
E33195	—	261.1	12/19	0.737	8330.781	9314.453	5176.750	30AH	76AH	14SH	8.1	3.69	21.4	545	B

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Compression Joints—43000 Series for Extra High Strength ACSR Conductors



The 43000 Series Compression Joint Assembly is specifically designed for Extra High Strength ACSR conductors (see page 56 for standard ACSR Compression Joints). The joint is fabricated from AFL seamless drawn aluminum.

All compression joints are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor on which they are used. Each compression joint assembly comes with an aluminum joint and a steel sleeve.

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: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

For 203.2 Brahma Conductor, the complete catalog number is:

43008

JOINT ASSEMBLY CATALOG NUMBER	CONDUCTOR				ALUMINUM JOINT CATALOG NUMBER	STEEL JOINT CATALOG NUMBER	DIE SIZE		WEIGHT		DIMENSION L	
	CODE NAME	SIZE	STRANDING	DIA.			ALUMINUM HEX DIE	STEEL HEX DIE				
		KCMIL	AL/ST	IN					LBS	KG	IN	MM
43001	Petrel	101.8	12/7	0.461	8420.500	4010.295	20AH	10SH	7.8	6.63	15.3	387
43002	Minorca	110.8	12/7	0.481	8420.531	4010.302	20AH	10SH	1.9	0.82	16.5	419
43003	Leghorn	134.6	12/7	0.530	8424.562	4012.332	24AH	12SH	3.3	1.40	17.5	445
43004	Guinea	159.0	12/7	0.576	8424.625	4012.377	24AH	12SH	3.5	1.45	18.5	470
43005	Dotterel	176.9	12/7	0.607	8424.656	4012.386	24AH	12SH	3.3	1.40	19.3	489
43006	—	183.9	18/12	0.707	8430.750	4016.531	30AH	16SH	6.1	2.64	22.0	559
43007	Dorking	190.8	12/7	0.631	8424.688	4014.406	24AH	14SH	3.3	1.58	19.3	489
43008	Brahma	203.2	16/19	0.714	8430.750	4016.516	30AH	16SH	6.1	2.64	22.0	559
43009	Cochin	211.3	12/7	0.663	8424.719	4014.422	24AH	14SH	3.1	1.49	19.3	489
43010	—	219.9	8/7	0.608	8424.656	4010.295	20AH	10SH	2.2	0.91	16.3	413
43011	—	261.1	12/19	0.738	8430.781	4014.453	30AH	14SH	6.7	2.63	22.0	559

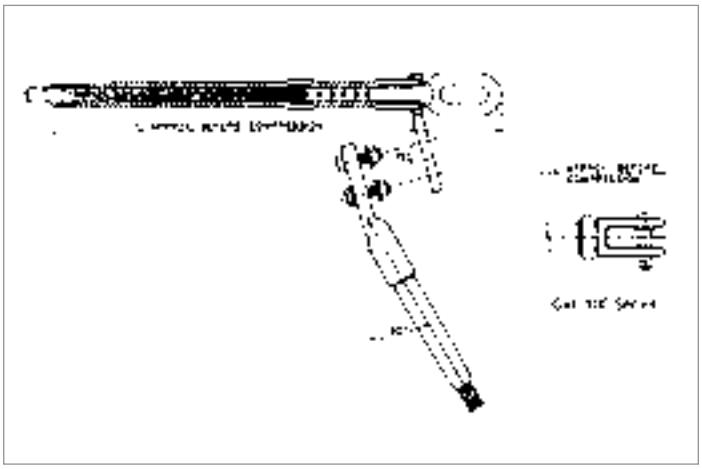
Notes:

1. AFL Filler Compound (AFC) Requirements are on page 115.
2. Installation Instructions for Joints are on page 141.

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Compression Dead Ends—33500 Series for AAC Conductor, Eye or Clevis Type, Single Tongue



The 33500 Series Dead End Assembly is specifically designed for AAC conductors. The aluminum body of the dead end is fabricated from AFL seamless drawn aluminum. The tongue and terminal pad are constructed with a 15° angle, which permits the terminal connector to be bolted in the straight or 30° position.

All dead ends are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor on which they are used. Each dead end assembly comes with a dead end body, steel eye or clevis, 15° terminal and aluminum hardware.

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. Corona bolts are furnished as standard on 15° terminals for these section sizes.

The square edges of bolted pads on compression accessories could cause Corona in environments greater than or equal to 345 kV. Pads with edges and corners rounded can be supplied by adding the catalog suffix "EHV".

Ordering Instructions

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector
For an assembly without a terminal connector, use 'NT'.
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'.
For Standard Finish, leave blank.

Step 4: Assemble Catalog Number.

Assy Catalog Number + **Terminal Connector** + **EHV Finish**

Example:
For 795 Arbutus conductor with no terminal and EHV finish, the complete catalog number is:

E33516NTEHV

Notes:
1. Eye and Clevis Dimensions are on page 119.
2. Pad Dimensions are on page 117.
3. AFL Filler Compound (AFC) Requirements are on page 115.
4. Installation Instructions for Dead Ends are on page 133.
5. Installation Instructions for Terminals are on page 131.

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Compression Dead Ends—33500 Series for AAC Conductor, Eye or Clevis Type, Single Tongue (cont.)

DEAD END ASSEMBLY CATALOG NUMBER	CONDUCTOR				ALUMINUM BODY SINGLE TONGUE	STEEL COMPONENT		15° TERMINAL CONNECTOR	DIE SIZE	TOTAL WEIGHT		DIMESNIONS L		PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.		STEEL EYE	STEEL CLEVIS		ALUMINUM HEX DIES	LBS	KG	IN	MM	
		KCMIL	AL	IN										
C33501	Aster	2/0	7	0.414	7174.438	—	A100X	5174.438	74AH	2.1	0.97	10.8	275	B
C33501	Buttercup	2/0	19	0.419	7174.438	—	A100X	5174.438	74AH	2.1	0.97	10.8	275	B
C33502	Phlox	3/0	7	0.464	7174.484	—	A100X	5174.484	74AH	1.9	0.84	10.8	275	B
C33502	Primrose	3/0	19	0.470	7174.484	—	A100X	5174.484	74AH	1.9	0.84	10.8	275	B
C33503	Oxlip	4/0	7	0.522	7175.547	—	A102X	5175.547	75AH	3.5	1.56	12.4	316	B
C33503	Sunflower	4/0	19	0.528	7175.547	—	A102X	5175.547	75AH	3.5	1.56	12.4	316	B
C33504	Sneezewort	250.0	7	0.567	7175.609	—	A102X	5175.609	75AH	3.3	1.50	12.4	316	B
C33504	Valerian	250.0	19	0.575	7175.609	—	A102X	5175.609	75AH	3.3	1.50	12.4	316	B
C33504	Dandelion	250.0	37	0.575	7175.609	—	A102X	5175.609	75AH	3.3	1.50	12.4	316	B
C33504	Daisy	266.8	7	0.586	7175.609	—	A102X	5175.809	75AH	3.3	1.60	12.4	316	B
C33504	Laurel	266.8	19	0.593	7175.609	—	A102X	5175.609	75AH	3.5	1.50	12.4	318	B
C33505	Peony	300.0	19	0.629	7176.656	—	A101X	5176.656	76AH	3.0	1.77	14.1	357	B
C33505	Avgave	300.0	37	0.629	7176.656	—	A101X	5176.656	76AH	3.0	1.77	14.1	357	B
C33506	Tulip	336.4	19	0.666	7176.688	—	A103X	5176.688	76AH	3.6	1.62	14.1	357	B
E33507	Daffodil	350.0	19	0.681	7120.719	9100	—	5120.719	20AH	3.7	1.68	17.5	445	B
E33507	Gardenia	350.0	37	0.681	7120.719	9100	—	5120.719	20AH	3.7	1.68	17.5	445	B
C33508	Canna	397.5	19	0.724	7176.750	—	A103X	5176.750	76AH	3.4	1.56	14.1	357	B
E33509	Goldentuft	450.0	19	0.772	7120.812	9100	—	5120.812	20AH	3.6	1.62	17.5	445	B
E33509	Yarrow	450.0	37	0.772	7120.812	9100	—	5120.812	20AH	3.6	1.62	17.5	445	B
E33509	Cosmos	477.0	19	0.793	7120.812	9100	—	5120.812	20AH	3.6	1.62	17.5	445	B
E33509	Syringa	477.0	37	0.795	7120.812	9100	—	5120.812	20AH	3.6	1.62	17.5	445	B
E33510	Cosmos	477.0	19	0.793	7124.875	9100	—	5124.875	24AH	4.9	2.23	18.3	464	B
E33510	Syringa	477.0	37	0.795	7124.875	9100	—	5124.875	24AH	4.9	2.23	18.3	464	B
E33510	Zinna	500.0	19	0.811	7124.875	9100	—	5124.875	24AH	4.9	2.23	18.3	464	B
E33510	Hyacinth	500.0	37	0.813	7124.875	9100	—	5124.875	24AH	4.9	2.23	18.3	464	B
E33511	Dahlia	556.5	19	0.856	7124.938	9100	—	5124.938	24AH	4.7	2.13	18.3	464	B
E33511	Mistletoe	556.5	37	0.858	7124.938	9100	—	5124.938	24AH	4.7	2.13	18.3	464	B
E33512	Meadowsweet	600.0	37	0.891	7124.938C	9200	—	5124.938	24AH	5.1	2.32	18.4	467	B
E33512	Lotus	600.0	61	0.893	7124.938C	9200	—	5124.938	24AH	5.1	2.32	18.4	467	B
E33513	Orchid	636.0	37	0.918	7124.969	9200	—	5124.969	24AH	6.4	2.32	18.4	467	B
E33513	Heuchera	650.0	37	0.928	7124.969	9200	—	5124.969	24AH	6.3	2.32	18.4	467	B
E33514	Verbena	700.0	37	0.963	7127.100	9200	—	5127.100	27AH	6.7	3.09	20.6	524	D
E33514	Flag	700.0	61	0.964	7127.100	9200	—	5127.100	27AH	6.7	3.09	20.6	524	D
E33515	Violet	715.5	37	0.974	7127.106	9200	—	5127.106	27AH	7.4	3.04	20.6	524	D
E33515	Nasurtium	715.5	61	0.975	7127.106	9200	—	5127.106	27AH	7.4	3.04	20.6	524	D
E33515	Petunia	750.0	37	0.997	7127.106	9200	—	5127.106	27AH	7.4	3.04	20.6	524	D
E33515	Cattail	750.0	61	0.998	7127.106	9200	—	5127.106	27AH	7.4	3.04	20.6	524	D
E33516	Arbutus	795.0	37	1.026	7130.109	9300	—	5130.109	30AH	9.0	3.99	20.8	529	D

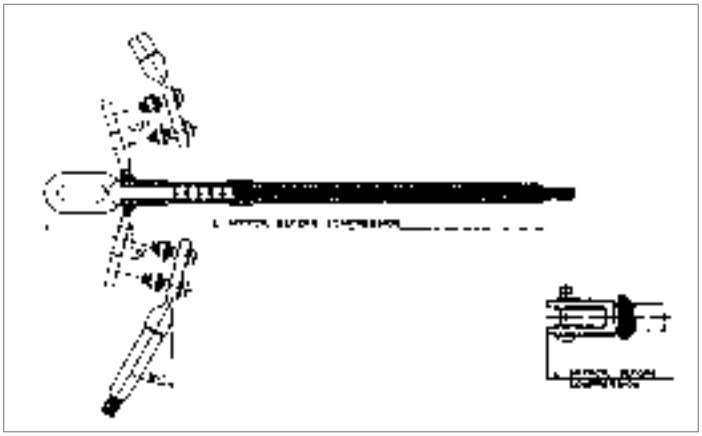
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Compression Dead Ends—33500 Series for AAC Conductor, Eye or Clevis Type, Single Tongue (cont.)

DEAD END ASSEMBLY CATALOG NUMBER	CONDUCTOR				ALUMINUM BODY SINGLE TONGUE	STEEL COMPONENT		15° TERMINAL CONNECTOR	DIE SIZE	TOTAL WEIGHT		DIMESNIONS L		PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.		STEEL EYE	STEEL CLEVIS		ALUMINUM HEX DIES	LBS	KG	IN	MM	
		KCMIL	AL	IN										
E33516	—	800.0	37	1.031	7130.109	9300	—	5130.109	30AH	9.0	3.99	20.8	529	D
E33516	Heliotrope	800.0	61	1.031	7130.109	9300	—	5130.109	30AH	9.0	3.99	20.8	529	D
E33517	Cockscomb	900.0	37	1.092	7130.116	9300	—	5130.116	30AH	8.9	4.04	21.8	554	D
E33517	Snapdragon	900.0	61	1.094	7130.116	9300	—	5130.116	30AH	8.9	4.04	21.8	554	D
E33518	Magnolia	954.0	37	1.124	7130.122	9300	—	5130.122	30AH	8.8	3.99	23.1	586	D
E33518	Goldenrod	954.0	61	1.126	7130.122	9300	—	5130.122	30AH	8.8	3.99	23.1	586	D
E33518	Hawkweed	1000.0	37	1.150	7130.122	9300	—	5130.122	30AH	9.9	3.99	23.1	586	D
E33518	Camellia	1000.0	61	1.152	7130.122	9300	—	5130.122	30AH	9.9	3.99	23.1	586	D
E33519	Bluebell	1033.5	37	1.170	7130.122	9400	—	5130.122	30AH	10.4	4.31	23.2	589	D
E33519	Larkspur	1033.5	61	1.172	7130.122	9400	—	5130.122	30AH	10.4	4.31	23.2	589	D
E33520	Marigold	1113.0	61	1.216	7134.128	9400	—	5134.128	34AH	11.5	5.31	22.9	583	D
E33521	Hawthorn	1192.5	61	1.258	7134.134	9400	—	5134.134	34AH	11.7	5.18	23.4	595	D
E33522	Narcissus	1272.0	61	1.300	7134.134	E9500	—	5134.134	34AH	12.0	5.31	23.6	598	D
E33523	Columbine	1351.5	61	1.340	7136.144	E9500	—	5136.144	36AH	12.2	5.57	24.3	617	D
E33523	Carnation	1431.0	61	1.379	7136.144	E9500	—	5136.144	36AH	12.2	5.57	24.3	617	D
E33524	—	1500.0	91	1.412	7136.147	E9500	—	5136.147	36AH	12.6	5.53	24.3	617	D
E33524	Gladiolus	1510.5	61	1.417	7136.147	E9500	—	5136.147	36AH	14.5	5.53	24.3	617	D
E33525	Coreopsis	1590.0	61	1.454	7138.156	E9600	—	5138.156	38AH	16.8	6.31	24.6	624	D
E33525	Dogwood	1590.0	91	1.454	7138.156	E9600	—	5138.156	38AH	16.8	6.31	24.6	624	D
E33526	Jessamine	1750.0	61	1.525	7140.162	E9600	—	5140.162	40AH	18.8	7.57	24.6	624	E
E33527	Cowslip	2000.0	91	1.630	7142.178	E9700	—	5142.178	42AH	19.7	8.57	25.9	658	E
E33528	Sagebrush	2250.0	91	1.729	7144.181	E9800	—	5144.181	44AH	22.3	10.24	25.8	654	E
E33528	—	2300.0	61	1.750	7144.181	E9800	—	5144.181	44AH	24.8	10.24	25.8	654	E
E33528	—	2300.0	91	1.750	7144.181	E9800	—	5145.181	44AH	24.8	10.24	25.8	654	E
E33529	Lupine	2500.0	91	1.823	7144.188	E9800	—	5144.188	44AH	14.0	10.02	25.8	654	E
E33530	Bitterroot	2750.0	91	1.912	7148.197	E9800	—	5148.197	48AH	16.1	12.11	28.6	725	E

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Compression Dead Ends—33600 Series for AAC Conductor, Eye or Clevis Type, Double Tongue



The 33600 Series Double Tongue Dead End Assembly is specifically designed for AAC conductors. The aluminum body of the dead end is fabricated from AFL seamless drawn aluminum. The tongue and terminal pad are constructed with a 15º angle, which permits the terminal connector to be bolted in the straight or 30º position.

All dead ends are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor on which they are used. Each dead end assembly comes with a dead end body, steel eye or clevis, two 15º terminals and aluminum hardware.

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. Corona bolts are furnished as standard on 15º terminals for these section sizes.

The square edges of bolted pads on compression accessories could cause Corona in environments greater than or equal to 345 kV. Pads with edges and corners rounded can be supplied by adding the catalog suffix "EHV".

Ordering Instructions

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector
For an assembly without a terminal connector, use 'NT'.
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'.
For Standard Finish, leave blank.

Step 4: Assemble Catalog Number.

Assy Catalog Number	+	Terminal Connector	+	EHV Finish

Example:
For 795 Arbutus conductor with no terminal and EHV finish, the complete catalog number is:

E33616NTEHV

Notes:
1. Eye and Clevis Dimensions are on page 119.
2. Pad Dimensions are on page 117.
3. AFL Filler Compound (AFC) Requirements are on page 115.
4. Installation Instructions for Dead Ends are on page 133.
5. Installation Instructions for Terminals are on page 131.

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Compression Dead Ends—33600 Series for AAC Conductor, Eye or Clevis Type, Double Tongue (cont.)

DEAD END ASSEMBLY CATALOG NUMBER	CONDUCTOR				ALUMINUM BODY DOUBLE TONGUE	STEEL COMPONENT		15° TERMINAL CONNECTOR	DIE SIZE	TOTAL WEIGHT		DIMENSIONS L		PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.		STEEL EYE	STEEL CLEVIS		ALUM. HEX DIES	LBS	KG	IN	MM	
		KCMIL	AL	IN										
C33601	Aster	2/0	7	0.414	7274.438	—	A100X	5174.438	74AH	2.9	1.31	10.8	257	B
C33601	Buttercup	2/0	19	0.419	7274.438	—	A100X	5174.438	74AH	2.9	1.31	10.8	275	B
C33602	Phlox	3/0	7	0.464	7274.484	—	A100X	5174.484	74AH	2.6	1.17	10.8	275	B
C33602	Primrose	3/0	19	0.470	7274.484	—	A100X	5174.484	74AH	2.6	1.17	10.8	275	B
C33603	Oxlip	4/0	7	0.522	7275.547	—	A102X	5175.547	75AH	3.9	1.75	12.4	316	B
C33603	Sunflower	4/0	19	0.528	7275.547	—	A102X	5175.547	75AH	3.9	1.75	12.4	316	B
C33604	Sneezewort	250.0	7	0.567	7275.609	—	A102X	5175.609	75AH	3.7	1.68	12.4	316	B
C33604	Valerian	250.0	19	0.575	7275.609	—	A102X	5176.609	75AH	3.7	1.68	12.4	316	B
C33604	Dandelion	250.0	37	0.575	7276.609	—	A102X	5177.609	75AH	3.7	1.68	12.4	316	B
C33604	Daisy	266.8	7	0.586	7275.609	—	A102X	5175.809	75AH	3.7	1.68	12.4	316	B
C33604	Laurel	266.8	19	0.693	7275.609	—	A102X	5175.609	75AH	3.9	1.68	12.4	318	B
C33605	Peony	300.0	19	0.629	7276.656	—	A101X	5176.656	76AH	3.4	1.95	14.1	357	B
C33605	Avgave	300.0	37	0.629	7277.656	—	A101X	5177.656	76AH	3.4	1.95	14.1	357	B
C33606	Tulip	336.4	19	0.666	7276.688	—	A103X	5176.688	76AH	4.0	1.81	14.1	357	B
E33607	Daffodil	350.0	19	0.681	7220.719	9100	—	5120.719	20AH	4.2	1.90	17.5	445	B
E33607	Gardenia	350.0	37	0.681	7220.719	9100	—	5120.719	20AH	4.2	1.90	17.5	445	B
C33608	Canna	397.5	19	0.724	7276.750	—	A103X	5176.750	76AH	3.8	1.74	14.1	357	B
E33609	Goldentuft	450.0	19	0.772	7220.812	9100	—	5120.812	20AH	4.1	1.85	17.5	445	B
E33609	Yarrow	450.0	37	0.772	7220.812	9100	—	5120.812	20AH	4.1	1.85	17.5	445	B
E33609	Cosmos	477.0	19	0.793	7220.812	9100	—	5120.812	20AH	4.1	1.85	17.5	445	B
E33609	Syringa	477.0	37	0.795	7220.812	9100	—	5120.812	20AH	4.1	1.85	17.5	445	B
E33610	Cosmos	477.0	19	0.793	7224.875	9100	—	5124.875	24AH	5.4	2.45	18.3	464	B
E33610	Syringa	477.0	37	0.795	7224.875	9100	—	5124.875	24AH	5.4	2.45	18.3	464	B
E33610	Zinna	500.0	19	0.811	7224.875	9100	—	5124.875	24AH	5.4	2.45	18.3	464	B
E33610	Hyacinth	500.0	37	0.813	7224.875	9100	—	5124.875	24AH	5.4	2.45	18.3	464	B
E33611	Dahlia	556.5	19	0.856	7224.938	9100	—	5124.938	24AH	5.2	2.36	18.3	464	B
E33611	Mistletoe	556.5	37	0.858	7224.938	9100	—	5124.938	24AH	5.2	2.36	18.3	464	B
E33612	Meadowsweet	600.0	37	0.891	7224.938C	9200	—	5124.938	24AH	5.5	2.50	18.4	467	B
E33612	Lotus	600.0	61	0.893	7224.938C	9200	—	5124.938	24AH	5.5	2.50	18.4	467	B
E33613	Orchid	636.0	37	0.918	7224.969	9200	—	5124.969	24AH	5.5	2.50	18.4	467	B
E33613	Heuchera	650.0	37	0.928	7224.969	9200	—	5124.969	24AH	5.5	2.50	18.4	467	B
E33614	Verbena	700.0	37	0.963	7227.100	9200	—	5127.100	27AH	7.6	3.45	20.6	524	D
E33614	Flag	700.0	61	0.964	7227.100	9200	—	5127.100	27AH	7.6	3.45	20.6	524	D
E33615	Violet	715.5	37	0.974	7227.106	9200	—	5127.106	27AH	7.5	3.40	20.6	524	D
E33615	Nasurtium	715.5	61	0.975	7227.106	9200	—	5127.106	27AH	7.5	3.40	20.6	524	D
E33615	Petunia	750.0	37	0.997	7227.106	9200	—	5127.106	27AH	7.5	3.40	20.6	524	D
E33615	Cattail	750.0	61	0.998	7227.106	9200	—	5127.106	27AH	7.5	3.40	20.6	524	D
E33616	Arbutus	795.0	37	1.026	7230.109	9300	—	5130.109	30AH	9.7	4.40	20.8	529	D
E33616	Lilac	795.0	61	1.028	7230.109	9300	—	5130.109	30AH	9.7	4.40	20.8	529	D
E33616	—	800.0	37	1.031	7230.109	9300	—	5130.109	30AH	9.7	4.40	20.8	529	D
E33616	Heliotrope	800.0	61	1.031	7230.109	9300	—	5130.109	30AH	9.7	4.40	20.8	529	D

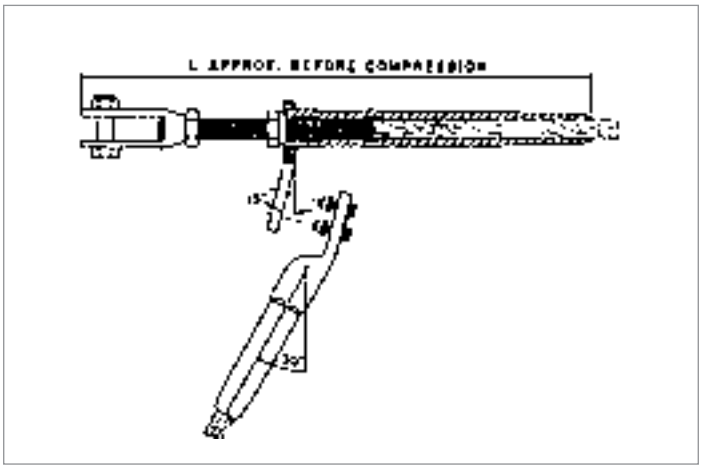
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Compression Dead Ends—33600 Series for AAC Conductor, Eye or Clevis Type, Double Tongue (cont.)

DEAD END ASSEMBLY CATALOG NUMBER	CONDUCTOR				ALUMINUM BODY DOUBLE TONGUE	STEEL COMPONENT		15° TERMINAL CONNECTOR	DIE SIZE	TOTAL WEIGHT		DIMENSIONS L		PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.		STEEL EYE	STEEL CLEVIS		ALUM. HEX DIES	LBS	KG	IN	MM	
		KCMIL	AL	IN										
E33617	Cockscomb	900.0	37	1.092	7230.116	9300	—	5130.116	30AH	9.8	4.45	21.8	554	D
E33617	Snapdragon	900.0	61	1.094	7230.116	9300	—	5130.116	30AH	9.8	4.45	21.8	554	D
E33618	Magnolia	954.0	37	1.124	7230.122	9300	—	5130.122	30AH	9.7	4.40	23.1	586	D
E33618	Goldenrod	954.0	61	1.126	7230.122	9300	—	5130.122	30AH	9.7	4.40	23.1	586	D
E33618	Hawkweed	1000.0	37	1.152	7230.122	9300	—	5130.122	30AH	9.7	4.40	23.1	586	D
E33618	Camellia	1000.0	61	1.152	7230.122	9300	—	5130.122	30AH	9.7	4.40	23.1	586	D
E33619	Bluebell	1033.5	37	1.170	7230.122	9400	—	5130.122	30AH	10.4	4.72	23.2	589	D
E33619	Larkspur	1033.5	61	1.172	7230.122	9400	—	5130.122	30AH	10.4	4.72	23.2	589	D
E33620	Marigold	1113.0	61	1.216	7234.128	9400	—	5134.128	34AH	12.5	5.67	22.9	583	D
E33621	Hawthorn	1192.5	61	1.258	7234.134	9400	—	5134.134	34AH	12.2	5.54	23.4	595	D
E33622	Narcissus	1272.0	61	1.300	7234.134	E9500	—	5134.134	34AH	12.5	5.67	23.6	598	D
E33623	Columbine	1351.5	61	1.340	7236.144	E9500	—	5136.144	36AH	13.1	5.94	24.3	617	D
E33623	Carnation	1431.0	61	1.379	7236.144	E9500	—	5136.144	36AH	13.1	5.94	24.3	617	D
E33624	—	1500.0	91	1.412	7236.147	E9500	—	5136.147	36AH	13.0	5.89	24.3	617	D
E33624	Gladiolus	1510.5	61	1.417	7236.147	E9500	—	5136.147	36AH	13.0	5.89	24.3	617	D
E33625	Coreopsis	1590.0	61	1.454	7238.156	E9600	—	5138.156	38AH	14.8	6.72	24.6	624	D
E33625	Dogwood	1590.0	91	1.454	7238.156	E9600	—	5138.156	38AH	14.8	6.72	24.6	624	D
E33626	Jessamine	1750.0	61	1.525	7240.162	E9600	—	5140.162	40AH	18.5	8.39	24.6	624	E
E33627	Cowslip	2000.0	91	1.630	7242.178	E9700	—	5142.178	42AH	19.4	8.80	25.9	658	E
E33628	Sagebrush	2250.0	91	1.729	7244.181	E9800	—	5144.181	44AH	23.0	10.43	25.8	654	E
E33628	—	2300.0	61	1.750	7244.181	E9800	—	5144.181	44AH	23.0	10.43	25.8	654	E
E33628	—	2300.0	91	1.750	7245.181	E9801	—	5145.181	44AH	23.0	10.43	25.8	654	E
E33629	Lupine	2500.0	91	1.823	7244.188	E9800	—	5144.188	44AH	22.5	10.20	25.8	654	E
E33630	Bitterroot	2750.0	91	1.912	7248.197	E9800	—	5148.197	48AH	27.7	12.57	28.6	725	E

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Compression Dead Ends—43200 Series for AAC Conductor, Adjustable Clevis Type, Single Tongue



The 43200 Series Adjustable Clevis Dead End Assembly is specifically designed for AAC conductors. The aluminum body of the dead end is fabricated from AFL seamless drawn aluminum. The tongue and terminal pad are constructed with a 15° angle, which permits the terminal connector to be bolted in the straight of 30° position.

All dead ends are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor on which they are used. Each dead end assembly comes with a dead end body, adjustable steel clevis, 15° terminal and aluminum hardware.

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. Corona bolts are furnished as standard on 15° terminals for these section sizes.

The square edges of bolted pads on compression accessories could cause Corona in environments greater than or equal to 345 kV. Pads with edges and corners rounded can be supplied by adding the catalog suffix "EHV".

Ordering Instructions

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector
For an assembly without a terminal connector, use 'NT'.
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'.
For Standard Finish, leave blank.

Step 4: Assemble Catalog Number.

Assy Catalog Number	+	Terminal Connector	+	EHV Finish

Example:
For 795 Arbutus conductor with no terminal and EHV finish, the complete catalog number is:

C43217NTEHV

Notes:
1. Adjustable Clevis Dimensions are on page 120.
2. Pad Dimensions are on page 117.
3. AFL Filler Compound (AFC) Requirements are on page 115.
4. Installation Instructions for Dead Ends are on page 133.
5. Installation Instructions for Terminals are on page 131.

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Compression Dead Ends—43200 Series for AAC Conductor, Adjustable Clevis Type, Single Tongue (cont.)

DEAD END ASSEMBLY CATALOG NUMBER	CONDUCTOR				ALUMINUM BODY SINGLE TONGUE	ADJUSTABLE STEEL CLEVIS	15° TERMINAL CONNECTOR	DIE SIZE	TOTAL WEIGHT		DIMENSION L		PAD SIZE
	CODE WORD	SIZE	STANDING	DIA.				ALUMINUM HEX DIES					
		KCMIL	AL	IN					LBS	KG	IN	MM	
C43210	Daffodil	350.0	19	0.681	7120.719	C6100	5120.719	20AH	6.0	2.72	24.3	616	B
C43210	Gardenia	350.0	37	0.681	7120.719	C6100	5120.719	20AH	6.0	2.72	24.3	616	B
C43211	Canna	397.5	19	0.724	7120.812	C6100	5120.812	20AH	5.9	2.66	24.3	616	B
C43211	Goldentuft	450.0	19	0.772	7120.812	C6100	5121.812	20AH	5.9	2.66	24.3	616	B
C43211	Yarrow	450.0	37	0.772	7120.812	C6100	5120.812	20AH	5.9	2.66	24.3	616	B
C43211	Cosmos	477.0	19	0.793	7120.812	C6100	5121.812	20AH	5.9	2.66	24.3	616	B
C43212	Syringa	477.0	37	0.795	7124.875	C6100	5124.875	24AH	7.2	3.27	25.0	635	B
C43212	Cosmos	477.0	19	0.793	7125.875	C6100	5125.875	24AH	7.2	3.27	25.0	635	B
C43212	Syringa	477.0	37	0.795	7124.875	C6100	5124.875	24AH	7.2	3.27	25.0	635	B
C43212	Zinna	500.0	19	0.811	7124.875	C6100	5124.875	24AH	7.2	3.27	25.0	635	B
C43212	Hyacinth	500.0	37	0.813	7124.875	C6200	5124.875	24AH	7.7	3.50	25.1	638	B
C43213	Dahlia	556.5	19	0.858	7124.938C	C6200	5125.938	24AH	7.7	3.50	25.1	638	B
C43213	Mistletoe	556.5	37	0.858	7124.938C	C6200	5124.938	24AH	7.7	3.50	25.1	638	B
C43213	Meadowsweet	600.0	37	0.891	7124.938C	C6200	5125.938	24AH	7.7	3.50	25.1	638	B
C43214	Lotus	600.0	61	0.893	7124.969C	C6200	5124.969	24AH	7.6	3.45	25.1	638	B
C43214	Orchid	636.0	37	0.918	7124.969C	C6200	5125.969	24AH	7.6	3.45	25.1	638	B
C43214	Heuchera	650.0	37	0.928	7124.969C	C6200	5124.969	24AH	7.6	3.45	25.1	638	B
C43215	Verbena	700.0	37	0.964	7127.100	C6200	5127.100	27AH	9.4	4.27	27.4	695	D
C43216	Violet	715.5	37	0.975	7127.106	C6200	5127.106	27AH	9.3	4.22	27.4	695	D
C43216	Nasurtium	715.5	61	0.975	7127.106	C6200	5127.106	27AH	9.3	4.22	27.4	695	D
C43216	Petunia	750.0	37	0.998	7127.106	C6200	5127.106	27AH	9.3	4.22	27.4	695	D
C43216	Cattail	750.0	61	0.998	7127.106	C6200	5127.106	27AH	9.3	4.22	27.4	695	D
C43217	Arbutus	795.0	37	1.028	7130.109	C6300	5130.109	30AH	14.3	6.48	29.8	757	D
C43217	Lilac	795.0	61	1.028	7130.109	C6300	5130.109	30AH	14.3	6.48	29.8	757	D
C43217	—	800.0	37	1.031	7130.109	C6300	5130.109	30AH	14.3	6.48	29.8	757	D
C43217	Heliotrope	800.0	61	1.031	7130.109	C6300	5130.109	30AH	14.3	6.48	29.8	757	D
C43218	Cockscomb	900.0	37	1.094	7130.116	C6300	5130.116	30AH	14.4	6.53	30.8	783	D
C43218	Snapdragon	900.0	61	1.094	7130.116	C6300	5130.116	30AH	14.4	6.53	30.8	783	D
C43219	Magnolia	954.0	37	1.126	7130.122	C6400	5130.122	30AH	15.1	6.85	32.2	818	D
C43219	Goldenrod	954.0	61	1.126	7130.122	C6400	5130.122	30AH	15.1	6.85	32.2	818	D
C43219	Hawkweed	1000.0	37	1.152	7130.122	C6400	5130.122	30AH	14.1	6.85	32.2	818	D
C43219	Camellia	1000.0	61	1.152	7130.122	C6400	5130.122	30AH	14.1	6.85	32.2	818	D
C43219	Bluebell	1033.5	37	1.172	7130.122	C6400	5130.122	30AH	15.1	6.85	32.2	818	D
C43219	Larkspur	1033.5	61	1.172	7130.122	C6400	5130.122	30AH	15.1	6.85	32.2	818	D

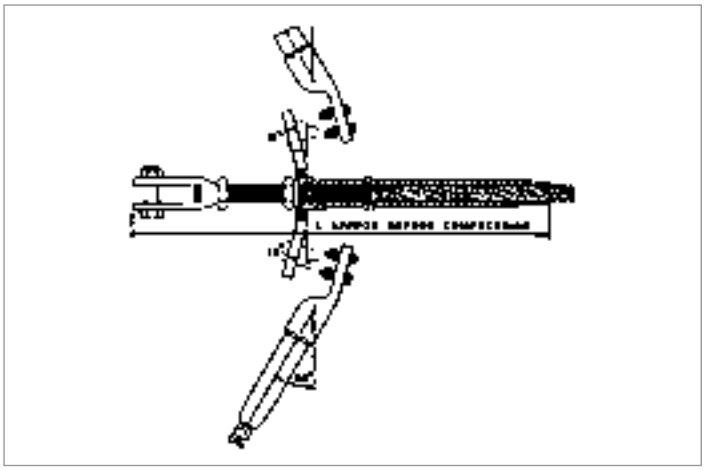
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Compression Dead Ends—43200 Series for AAC Conductor, Adjustable Clevis Type, Single Tongue (cont.)

DEAD END ASSEMBLY CATALOG NUMBER	CONDUCTOR				ALUMINUM BODY SINGLE TONGUE	ADJUSTABLE STEEL CLEVIS	15° TERMINAL CONNECTOR	DIE SIZE	TOTAL WEIGHT		DIMENSION L		PAD SIZE
	CODE WORD	SIZE	STANDING	DIA.				ALUMINUM HEX DIES					
		KCMIL	AL	IN					LBS	KG	IN	MM	
C43220	Marigold	1113.0	61	1.216	7134.128	C6400	5134.128	34AH	17.3	7.85	32.0	813	D
C43221	Hawthorn	1192.5	61	1.258	7134.134	C6400	5134.134	34AH	17.0	7.72	32.4	824	D
C43221	Narcissus	1272.0	61	1.300	7134.134	C6400	5134.134	34AH	17.0	7.72	32.4	824	D
C43222	Columbine	1351.5	61	1.340	7136.144	C6500	5136.144	36AH	18.7	8.47	33.4	848	D
C43222	Carnation	1431.0	61	1.379	7136.144	C6500	5136.144	36AH	18.7	8.47	33.4	848	D
C43223	—	1500.0	91	1.412	7136.147	C6500	5136.147	36AH	18.6	8.43	33.4	848	D
C43223	Gladiolus	1510.5	61	1.417	7136 147	C6500	5136.147	36AH	18.6	8.43	33.4	848	D
C43224	Coreopsis	1590.0	61	1.454	7138.156	C6500	5138.156	38AH	19.6	8.89	33.6	854	D
C43224	Dogwood	1590.0	91	1.454	7138.156	C6500	5138.156	38AH	19.6	8.89	33.6	854	D
C43225	Jessamine	1750.0	61	1.525	7140.162	C6600	5140.162	40AH	26.3	11.93	36.2	919	E
C43226	Cowslip	2000.0	91	1.630	7142.178C	C6700	5142.178	42AH	29.0	13.16	37.6	954	E
C43227	Sagebrush	2250.0	91	1.729	7144.181	C6700	5144.181	44AH	31.3	14.19	37.1	943	E
C43227	—	2300.0	61	1.750	7144.181	C6700	5144.181	44AH	31.1	14.19	37.1	943	E
C43227	—	2300.0	91	1.750	7144.181	C6700	5144.181	44AH	31.2	14.19	37.1	943	E
C43228	Lupine	2500.0	91	1.823	7144.188	C6700	5144.188	44AH	30.8	13.97	37.1	943	E
C43229	Bitterroot	2750.0	91	1.912	7148.197	C6800	5148.197	48AH	41.4	18.78	40.4	1027	E

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Compression Dead Ends—43300 Series for AAC Conductor, Adjustable Clevis Type, Double Tongue



The 43300 Series Adjustable Clevis Dead End Assembly is specifically designed for AAC conductors. The aluminum body of the dead end is fabricated from AFL seamless drawn aluminum. The tongue and terminal pad are constructed with a 15º angle, which permits the terminal connector to be bolted in the straight of 30º position.

All dead ends are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor on which they are used. Each dead end assembly comes with a dead end body, adjustable steel clevis, two 15º terminals and aluminum hardware.

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. Corona bolts are furnished as standard on 15º terminals for these section sizes.

The square edges of bolted pads on compression accessories could cause Corona in environments greater than or equal to 345 kV. Pads with edges and corners rounded can be supplied by adding the catalog suffix "EHV".

Ordering Instructions

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector
For an assembly without a terminal connector, use 'NT'.
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'.
For Standard Finish, leave blank.

Step 4: Assemble Catalog Number.

Assy Catalog Number	+	Terminal Connector	+	EHV Finish

Example:
For 795 Arbutus conductor with no terminal and EHV finish, the complete catalog number is:

C43317NTEHV

Notes:
1. Adjustable Clevis Dimensions are on page 120.
2. Pad Dimensions are on page 117.
3. AFL Filler Compound (AFC) Requirements are on page 115.
4. Installation Instructions for Dead Ends are on page 133.
5. Installation Instructions for Terminals are on page 131.

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Compression Dead Ends—43300 Series for AAC Conductor, Adjustable Clevis Type, Double Tongue (cont.)

DEAD END ASSEMBLY CATALOG NUMBER	CONDUCTOR				ALUMINUM BODY DOUBLE TONGUE	ADJUSTABLE STEEL CLEVIS	15° TERMINAL CONNECTOR	DIE SIZE	TOTAL WEIGHT		DIMENSION L		PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.				ALUMINUM HEX DIE					
		KCMIL	AL	IN					LBS	KG	IN	MM	
C43310	Daffodil	350.0	19	0.681	7220.719	C6100	5120.719	20AH	6.5	2.94	24.3	616	B
C43310	Gardenia	350.0	37	0.681	7220.719	C6100	5120.719	20AH	6.5	2.94	24.3	616	B
C43311	Canna	397.5	19	0.724	7220.812	C6100	5120.812	20AH	6.4	2.89	24.3	616	B
C43311	Goldentuft	450.0	19	0.772	7220.812	C6100	5120.812	20AH	6.4	2.89	24.3	616	B
C43311	Yarrow	450.0	37	0.772	7220.812	C6100	5120.812	20AH	6.4	2.89	24.3	616	B
C43311	Cosmos	477.0	19	0.795	7220.812	C6100	5120.812	20AH	6.4	2.89	24.3	616	B
C43311	Syringa	477.0	37	0.795	7224.875	C6100	5120.875	24AH	7.7	3.49	25.0	635	B
C43312	Cosmos	477.0	19	0.795	7224.875	C6100	5124.875	24AH	7.7	3.49	25.0	635	B
C43312	Syringa	477.0	37	0.795	7220.875	C6100	5124.875	24AH	7.7	3.49	25.0	635	B
C43312	Zinna	500.0	19	0.813	7224.875	C6100	5124.875	24AH	7.7	3.49	25.0	635	B
C43312	Hyacinth	500.0	37	0.813	7224.875	C6100	5124.875	24AH	8.1	3.68	25.1	638	B
C43313	Dahlia	556.5	19	0.858	7224.938C	C6200	5124.938	24AH	8.1	3.68	25.1	638	B
C43313	Mistletoe	556.5	37	0.858	7224.938C	C6200	5124.938	24AH	8.1	3.68	25.1	638	B
C43313	Meadowsweet	600.0	37	0.891	7224.938C	C6200	5124.938	24AH	8.1	3.68	25.1	638	B
C43314	Lotus	600.0	61	0.893	7224.938C	C6200	5124.938	24AH	8.0	3.63	25.1	638	B
C43314	Orchid	636.0	37	0.918	7224.969C	C6200	5124.969	24AH	8.0	3.63	25.1	638	B
C43314	Heuchera	650.0	37	0.928	7224.969C	C6200	5124.969	24AH	8.0	3.63	25.1	638	B
C43315	Verbena	700.0	37	0.963	7227.100	C6200	5127.100	27AH	10.2	4.63	27.4	695	D
C43316	Violet	715.5	37	0.975	7227.106	C6200	5127.106	27AH	10.1	4.58	27.4	695	D
C43316	Nasurtium	715.5	61	0.975	7227.106	C6200	5127.106	27AH	10.1	4.58	27.4	695	D
C43316	Petunia	750.0	37	0.998	7227.106	C6200	5127.106	27AH	10.1	4.58	27.4	695	D
C43316	Cattail	750.0	61	0.998	7227.106	C6200	5127.106	27AH	10.1	4.58	27.4	695	D
C43317	Arbutus	795.0	37	1.028	7230.109	C6300	5130.109	30AH	15.2	6.89	29.8	757	D
C43317	Lilac	795.0	61	1.028	7230.109	C6300	5130.109	30AH	15.2	6.89	29.8	757	D
C43317	—	800.0	37	1.031	7230.109	C6300	5130.109	30AH	15.2	6.89	29.8	757	D
C43317	Heliotrope	800.0	61	1.031	7230.109	C6300	5130.109	30AH	15.2	6.89	29.8	757	D
C43318	Cockscomb	900.0	37	1.094	7230.116	C6300	5130.116	30AH	15.3	6.94	30.8	783	D
C43318	Snapdragon	900.0	61	1.094	7230.116	C6300	5130.116	30AH	15.3	6.94	30.8	783	D
C43319	Magnolia	954.0	37	1.126	7230.122	C6400	5130.122	30AH	15.8	7.26	32.2	818	D
C43319	Goldenrod	954.0	61	1.126	7230.122	C6400	5130.122	30AH	15.8	7.26	32.2	818	D
C43319	Hawkweed	1000.0	37	1.152	7230.122	C6400	5130.122	30AH	15.0	7.26	32.2	818	D
C43319	Camellia	1000.0	61	1.152	7230.122	C6400	5130.122	30AH	15.0	7.26	32.2	818	D
C43319	Bluebell	1033.5	37	1.172	7230.122	C6400	5130.122	30AH	16.0	7.26	32.2	818	D
C43319	Larkspur	1033.5	61	1.172	7230.122	C6400	5130.122	30AH	16.0	7.26	32.2	818	D
C43320	Marigold	1113.0	61	1.216	7234.128	C6400	5134.128	34AH	18.1	8.21	32.0	813	D
C43321	Hawthorn	1192.5	61	1.258	7234.134	C6400	5134.134	34AH	17.8	8.08	32.4	824	D
C43321	Narcissus	1272.0	61	1.300	7234.134	C6400	5134.134	34AH	17.8	8.08	32.4	824	D
C43322	Columbine	1351.5	61	1.340	7236.144	C6500	5136.144	36AH	19.5	8.84	33.4	848	D
C43322	Carnation	1431.0	61	1.379	7236.144	C6500	5136.144	36AH	19.5	8.84	33.4	848	D
C43323	—	1500.0	91	1.412	7236.147	C6500	5136.147	36AH	19.4	8.79	33.4	848	D

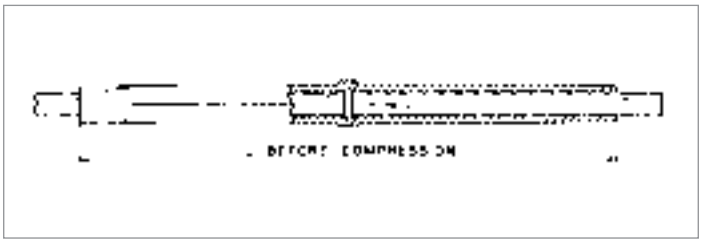
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Compression Dead Ends—43300 Series for AAC Conductor, Adjustable Clevis Type, Double Tongue (cont.)

DEAD END ASSEMBLY CATALOG NUMBER	CONDUCTOR				ALUMINUM BODY DOUBLE TONGUE	ADJUSTABLE STEEL CLEVIS	15° TERMINAL CONNECTOR	DIE SIZE	TOTAL WEIGHT		DIMENSION L		PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.				ALUMINUM HEX DIE					
		KCMIL	AL	IN					LBS	KG	IN	MM	
C43323	Gladiolus	1510.5	61	1.417	7236 147	C6500	5136.147	36AH	19.4	8.79	33.4	848	D
C43324	Coreopsis	1590.0	61	1.454	7238.156	C6500	5138.156	38AH	20.5	9.30	33.6	854	D
C43324	Dogwood	1590.0	91	1.454	7238.156	C6500	5138.156	38AH	20.5	9.30	33.6	854	D
C43325	Jessamine	1750.0	61	1.525	7240.162	C6600	5140.162	40AH	28.1	12.75	36.2	919	E
C43326	Cowslip	2000.0	91	1.630	7242.178C	C6700	5142.178	42AH	29.5	13.39	37.6	954	E
C43327	Sagebrush	2250.0	91	1.729	7244.181	C6700	5144.181	44AH	31.7	14.38	37.1	943	E
C43327	—	2300.0	61	1.750	7244.181	C6700	5144.181	44AH	31.5	14.38	37.1	943	E
C43327	—	2300.0	91	1.750	7244.181	C6700	5144.181	44AH	31.5	14.38	37.1	943	E
C43328	Lupine	2500.0	91	1.823	7244.188	C6700	5144.188	44AH	31.2	14.15	37.1	943	E
C43329	Bitterroot	2750.0	91	1.912	7248.197	C6800	5148.197	48AH	42.4	19.24	40.4	1027	E

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Compression Joints—7000 Series for AAC Conductors



The 7000 Series Compression Joint is specifically designed for AAC conductors. The aluminum joint is fabricated from AFL seamless drawn aluminum.

All compression joints are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor on which they are 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: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Example:
For 795 Arbutus Conductor, the complete catalog number is:

7030.109

ALUMINUM JOINT CATALOG NUMBER	CONDUCTOR				DIE SIZE	WEIGHT		DIMENSION L	
	CODE WORD	AWG OR KCMIL	STRANDING	DIA.	ALUMINUM HEX DIE				
			AL	IN		LBS	KG	IN	MM
7071.219	Peachbell	6	7	0.184	71AH	0.1	0.02	4.5	114
7071.250	Rose	4	7	0.232	71AH	0.1	0.02	5.0	127
7072.312	Iris	2	7	0.292	72AH	0.1	0.06	6.6	168
7073.391	Poppy	1/0	7	0.368	73AH	0.2	0.07	8.4	213
7074.438	Aster	2/0	7	0.414	74AH	0.4	0.17	10.1	257
7074.484	Phlox	3/0	7	0.464	74AH	0.4	0.16	10.1	257
7075.547	Oxlip	4/0	7	0.522	75AH	0.6	0.29	11.9	302
7075.609	Valerian	250.0	19	0.575	75AH	0.6	0.26	11.9	302
7075.609	Laurel	266.8	19	0.593	75AH	0.6	0.26	11.9	302
7076.656	Peony	300.0	19	0.629	76AH	1.0	0.45	15.1	384
7076.688	Tulip	336.4	19	0.666	76AH	1.0	0.44	15.1	384
7020.719	Daffodil	350.0	19	0.681	20AH	1.2	0.54	15.0	381
7076.750	Canna	397.5	19	0.724	76AH	0.9	0.40	15.1	384
7020.812	Goldentuft	450.0	19	0.772	20AH	1.0	0.45	15.0	381
7020.812	Yarrow	450.0	37	0.772	20AH	1.0	0.45	15.0	381
7020.812	Cosmos	477.0	19	0.793	20AH	1.0	0.45	15.0	381
7024.875	Syringa	477.0	37	0.795	24AH	1.8	0.82	16.0	406
7024.875	Zinna	500.0	19	0.811	24AH	1.8	0.82	16.0	406

Notes:
1. AFL Filler Compound (AFC) Requirements are on page 115.
2. Installation Instructions for Joints are on page 137.

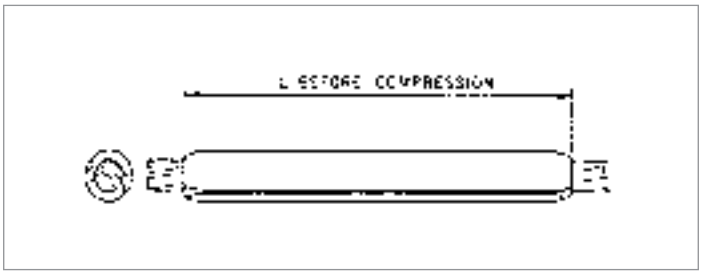
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Compression Joints—7000 Series for AAC Conductors (cont.)

ALUMINUM JOINT CATALOG NUMBER	CONDUCTOR				DIE SIZE	WEIGHT		DIMENSION L	
	CODE WORD	AWG OR KCMIL	STRANDING	DIA.	ALUMINUM HEX DIE				
			AL	IN		LBS	KG	IN	MM
7024.875	Hyacinth	500.0	37	0.813	24AH	1.8	0.82	16.0	406
7024.938	Dahlia	556.5	19	0.856	24AH	1.6	0.73	16.0	406
7024.938	Mistletoe	556.5	37	0.858	24AH	1.6	0.73	16.0	406
7024.938	Meadowsweet	600.0	37	0.891	24AH	1.6	0.73	16.0	406
7024.969	Orchid	636.0	37	0.918	24AH	1.5	0.68	16.0	406
7024.969	Heuchera	650.0	37	0.928	24AH	1.5	0.68	16.0	406
7027.100	Flag	700.0	61	0.964	27AH	2.7	1.22	20.0	508
7027.106	Violet	715.5	37	0.974	27AH	2.5	1.13	20.0	508
7027.106	Nasurtium	715.5	61	0.975	27AH	2.5	1.13	20.0	508
7027.106	Petunia	750.0	37	0.997	27AH	2.5	1.13	20.0	508
7027.106	Cattail	750.0	61	0.998	27AH	2.5	1.13	20.0	508
7030.109	Arbutus	795.0	37	1.026	30AH	3.5	1.59	20.0	508
7030.109	Lilac	795.0	61	1.028	30AH	3.5	1.59	20.0	508
7030.109	—	800.0	37	1.031	30AH	3.5	1.59	20.0	508
7030.109	Heliotrope	800.0	61	1.031	30AH	3.5	1.59	20.0	508
7030.116	Snapdragon	900.0	61	1.094	30AH	3.4	1.54	22.0	559
7030.122	Magnolia	954.0	37	1.124	30AH	3.5	1.59	24.5	622
7030.122	Goldenrod	954.0	61	1.126	30AH	3.5	1.59	24.5	622
7030.122	Camellia	1000.0	61	1.152	30AH	3.5	1.59	24.5	622
7030.122	Bluebell	1033.5	37	1.170	30AH	3.5	1.59	24.5	622
7030.122	Larkspur	1033.5	61	1.172	30AH	3.5	1.59	24.5	622
7034.128	Marigold	1113.0	61	1.216	34AH	5.4	2.45	24.0	610
7034.134	Hawthorn	1192.5	61	1.258	34AH	5.3	2.40	25.0	635
7034.134	Narcissus	1272.0	61	1.300	34AH	5.3	2.40	25.0	635
7036.144	Columbine	1351.5	61	1.340	36AH	6.0	2.72	27.0	686
7036.144	Carnation	1431.0	61	1.379	36AH	6.0	2.72	27.0	686
7036.147	—	1500.0	91	1.412	36AH	5.8	2.63	27.0	686
7036.147	Gladiolus	1510.5	61	1.417	36AH	5.8	2.63	27.0	686
7038.156	Coreopsis	1590.0	61	1.454	38AH	6.3	2.86	27.0	686
7038.156	Dogwood	1590.0	91	1.454	38AH	6.3	2.86	27.0	686
7040.162	Jessamine	1750.0	61	1.525	40AH	7.3	3.31	27.0	686
7042.178	Cowslip	2000.0	91	1.630	42AH	8.9	4.04	29.0	737
7044.181	Sagebrush	2250.0	91	1.729	44AH	8.9	4.04	28.4	721
7044.181	—	2300.0	61	1.750	44AH	8.9	4.04	28.4	721
7044.181	—	2300.0	91	1.750	44AH	8.9	4.04	28.4	721
7044.188	Lupine	2500.0	91	1.823	44AH	8.4	3.81	28.4	721
7048.197	Bitterroot	2750.0	91	1.912	48AH	12.7	5.76	33.5	851

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Repair Sleeves—5200 Series for AAC Conductors



The 5200 Series Repair Sleeve is designed for AAC conductors. The repair sleeve incorporates an improved design of interlocking extrusions, providing a permanent grip on the conductor when compressed.

The repair sleeve will restore 95% of the rated strength of the conductor with up to one-third of the aluminum strands damaged.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

For 795 Arbutus conductor, the complete catalog number is:

5230.3

REPAIR SLEEVE AFL NO.	CONDUCTOR				DIE SIZE	WEIGHT		DIMENSION L	
	CODE NAME	SIZE	STRANDING	DIA.	ALUMINUM HEX DIE				
		KCMIL/AWG	AL	IN		LBS	KG	IN	MM
5274	Aster	2/0	7	0.414	74AH	0.2	0.10	7.6	192
5274	Phlox	3/0	7	0.464	74AH	0.2	0.10	7.6	192
5275	Oxlip	4/0	7	0.522	75AH	0.4	0.18	8.6	217
5275	Valerian	250.0	19	0.575	75AH	0.4	0.18	8.6	217
5275	Laurel	266.8	19	0.593	75AH	0.4	0.18	8.6	217
5276	Peony	300.0	19	0.629	76AH	0.7	0.30	10.0	254
5276	Tulip	336.4	19	0.666	76AH	0.7	0.30	10.0	254
5276	Daffodil	350.0	19	0.679	76AH	0.7	0.30	10.0	254
5276	Canna	397.5	19	0.724	76AH	0.7	0.30	10.0	254
5220.3	Goldentuft	450.0	19	0.770	20AH	1.0	0.45	14.5	368
5220.3	Yarrow	450.0	37	0.772	20AH	1.0	0.45	14.5	368
5220.3	Cosmos	477.0	19	0.793	20AH	1.0	0.45	14.5	368
5224.3	Syringa	477.0	37	0.795	24AH	1.7	0.77	15.5	394
5224.3	Cosmos	477.0	19	0.793	24AH	1.7	0.77	15.5	394
5224.3	Syringa	477.0	37	0.795	24AH	1.7	0.77	15.5	394
5224.3	Zinnia	500.0	19	0.811	24AH	1.7	0.77	15.5	394
5224.3	Hyacinth	500.0	37	0.813	24AH	1.7	0.77	15.5	394
5224.3	Dahlia	556.5	19	0.856	24AH	1.7	0.77	15.5	394
5224.3	Mistletoe	556.5	387	0.858	24AH	1.7	0.77	15.5	394
5224.3	Meadowsweet	600.0	37	0.891	24AH	1.7	0.77	15.5	394
5224.3	Orchid	636.0	37	0.918	24AH	1.7	0.77	15.5	394

Notes:

1. AFL Filler Compound (AFC) Requirements are on page 115.
2. Installation Instructions for Repair Sleeves are on page 142.

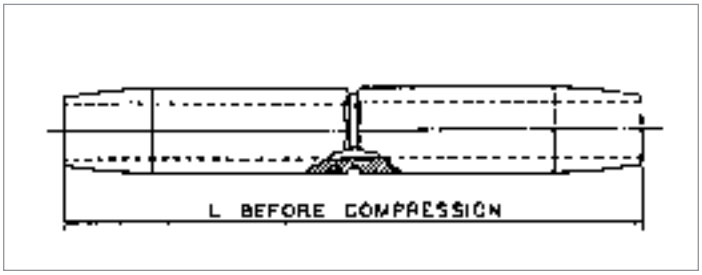
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Repair Sleeves—5200 Series for AAC Conductors (cont.)

REPAIR SLEEVE AFL NO.	CONDUCTOR				DIE SIZE	WEIGHT		DIMENSION L	
	CODE NAME	SIZE	STRANDING	DIA.	ALUMINUM HEX DIE				
		KCMIL/AWG	AL	IN		LBS	KG	IN	MM
5227.3	Heuchera	650.0	37	0.928	27AH	2.6	1.18	18.3	464
5227.3	Flag	700.0	61	0.964	27AH	2.6	1.18	18.3	464
5227.3	Violet	715.5	37	0.974	27AH	2.6	1.18	18.3	464
5227.3	Nasturtium	715.5	61	0.975	27AH	2.6	1.18	18.3	464
5227.3	Petunia	750.0	37	0.997	27AH	2.6	1.18	18.3	464
5227.3	Cattail	750.0	61	0.998	27AH	2.6	1.18	18.3	464
5230.3	Arbutus	795.0	37	1.026	30AH	3.0	1.36	19.1	486
5230.3	Lilac	795.0	61	1.028	30AH	3.0	1.36	19.1	486
5230.3	—	800.0	37	1.031	30AH	3.0	1.36	19.1	486
5230.3	Heliotrope	800.0	61	1.031	30AH	3.0	1.36	19.1	486
5230.3	Snapdragon	900.0	61	1.094	30AH	3.0	1.36	19.1	486
5230.3	Magnolia	954.0	37	1.124	30AH	3.0	1.36	19.1	486
5230.3	Goldenrod	954.0	61	1.126	30AH	3.0	1.36	19.1	486
5230.3	Camellia	1000.0	61	1.152	30AH	3.0	1.36	19.1	486
5230.3	Bluebell	1033.5	37	1.170	30AH	3.0	1.36	19.1	486
5230.3	Larkspur	1033.5	61	1.172	30AH	3.0	1.36	19.1	486
5234.3	Marigold	1113.0	61	1.216	34AH	4.2	1.91	20.1	511
5234.3	Hawthorn	1192.5	61	1.258	34AH	4.2	1.91	20.1	511
5234.3	Narcissus	1272.0	61	1.300	34AH	4.2	1.91	20.1	511
5236.3	Columbine	1351.0	61	1.340	36AH	4.4	2.00	21.0	533
5236.3	Carnation	1431.0	61	1.379	36AH	4.4	2.00	21.0	533
5236.3	—	1500.0	91	1.412	36AH	4.4	2.00	21.0	533
5236.3	Gladiolus	1510.5	61	1.416	36AH	4.4	2.00	21.0	533
5238.3	Coreopsis	1590.0	61	1.453	38AH	5.2	2.36	21.9	556
5238.3	Dogwood	1590.0	91	1.454	38AH	5.2	2.36	21.9	556
5240.3	Jessamine	1750.0	61	1.525	40AH	6.1	2.77	22.8	578
5242.3	Cowslip	2000.0	91	1.630	42AH	6.8	3.08	23.6	600
5244.3	Sagebrush	2250.0	91	1.729	44AH	8.7	3.95	24.5	622
5244.3	—	2300.0	61	1.750	44AH	8.7	3.95	24.5	622
5244.3	—	2300.0	91	1.750	44AH	8.7	3.95	24.5	622
5244.3	Lupine	2500.0	91	1.823	44AH	8.7	3.95	24.5	622
5248.3	Bitterroot	2750.0	91	1.912	48AH	9.1	4.13	24.5	622

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Jumper Connectors—5000 Series for AAC Conductors



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.

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: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

For 795 Arbutus conductor, the complete catalog number is:

5030.109

JUMPER CONNECTOR CATALOG NUMBER	CONDUCTOR				DIE SIZE	WEIGHT		DIMENSION L	
	CODE NAME	SIZE	STRANDING	DIA.	ALUMINUM HEX DIE				
		KCMIL	AL	IN		LBS	KG	IN	MM
5071.219	Peachbell	6.0	7	0.184	71AH	0.1	0.03	4.0	102
5071.250	Rose	4.0	7	0.232	71AH	0.1	0.02	4.0	102
5072.312	Iris	2.0	7	0.292	72AH	0.1	0.04	4.5	114
5073.391	Poppy	1/0	7	0.368	73AH	0.1	0.05	6.0	152
5074.438	Aster	2/0	7	0.414	74AH	0.3	0.11	7.0	178
5074.484	Phlox	3/0	7	0.464	74AH	0.2	0.10	7.0	178
5075.547	Oxlip	4/0	7	0.522	75AH	0.4	0.18	8.0	203
5075.609	Valerian	250.0	19	0.575	75AH	0.4	0.18	8.0	203
5075.609	Laurel	266.8	19	0.593	75AH	0.4	0.18	8.0	203
5076.656	Peony	300.0	19	0.629	76AH	0.7	0.31	9.0	229
5076.688	Tulip	336.4	19	0.666	76AH	0.7	0.29	9.0	229
5076.719	Daffodil	350.0	19	0.679	76AH	0.6	0.28	9.0	229
5076.750	Canna	397.5	19	0.724	76AH	0.6	0.27	9.0	229
5020.812	Goldentuft	450.0	19	0.770	20AH	0.7	0.31	10.0	254
5020.812	Yarrow	450.0	37	0.772	20AH	0.7	0.31	10.0	254
5020.812	Cosmos	477.0	19	0.793	20AH	0.7	0.31	10.0	254
5020.812	Syringa	477.0	37	0.795	20AH	0.7	0.31	10.0	254
5024.875	Cosmos	477.0	19	0.793	24AH	1.2	0.54	11.0	279

Notes:

1. AFL Filler Compound (AFC) Requirements are on page 115.
2. Installation Instructions for Jumper Connectors are on page 143.

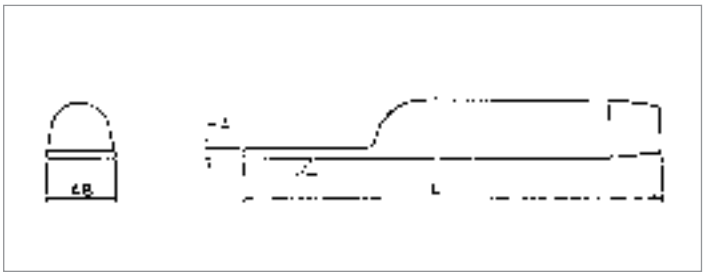
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Jumper Connectors—5000 Series for AAC Conductors (cont.)

JUMPER CONNECTOR CATALOG NUMBER	CONDUCTOR				DIE SIZE	WEIGHT		DIMENSION L	
	CODE NAME	SIZE	STRANDING	DIA.	ALUMINUM HEX DIE				
		KCMIL	AL	IN		LBS	KG	IN	MM
5024.875	Syringa	477.0	37	0.795	24AH	1.2	0.54	11.0	279
5024.875	Zinnia	500.0	19	0.811	24AH	1.2	0.54	11.0	279
5024.875	Hyacinth	500.0	37	0.813	24AH	1.2	0.54	11.0	279
5024.938	Dahlia	556.5	19	0.856	24AH	1.1	0.50	11.0	279
5024.938	Mistletoe	556.5	37	0.858	24AH	1.1	0.50	11.0	279
5024.938	Meadowsweet	600.0	37	0.891	24AH	1.1	0.50	11.0	279
5024.969	Orchid	636.0	37	0.918	24AH	1.0	0.45	11.0	279
5024.969	Heuchera	650.0	37	0.928	24AH	1.0	0.45	11.0	279
5027.100	Flag	700.0	61	0.964	27AH	1.6	0.73	12.0	305
5027.106	Violet	715.5	37	0.974	27AH	1.5	0.68	12.0	305
5027.106	Nasturtium	715.5	61	0.975	27AH	1.5	0.68	12.0	305
5027.106	Petunia	750.0	37	0.997	27AH	1.5	0.68	12.0	305
5027.106	Cattail	750.0	61	0.998	27AH	1.5	0.68	12.0	305
5030.109	Arbutus	795.0	37	1.026	30AH	2.1	0.95	13.0	330
5030.109	Lilac	795.0	61	1.028	30AH	2.1	0.95	13.0	330
5030.109	—	800.0	37	1.031	30AH	2.1	0.95	13.0	330
5030.109	Heliotrope	800.0	61	1.031	30AH	2.1	0.95	13.0	330
5030.116	Snapdragon	900.0	61	1.094	30AH	2.0	0.91	13.0	330
5030.122	Magnolia	954.0	37	1.124	30AH	1.8	0.82	13.0	330
5030.122	Goldenrod	954.0	61	1.126	30AH	1.8	0.82	13.0	330
5030.122	Camellia	1000.0	61	1.152	30AH	1.8	0.82	13.0	330
5030.122	Bluebell	1033.5	37	1.170	30AH	1.8	0.82	13.0	330
5030.122	Larkspur	1033.5	61	1.172	30AH	1.8	0.82	13.0	330
5034.128	Marigold	1113.0	61	1.216	34AH	2.8	1.27	14.0	358
5034.134	Hawthorn	1192.5	61	1.258	34AH	2.6	1.18	14.0	358
5034.134	Narcissus	1272.0	61	1.300	34AH	2.6	1.18	14.0	358
5036.144	Columbine	1351.0	61	1.340	36AH	3.2	1.45	15.0	381
5036.144	Carnation	1431.0	61	1.379	36AH	3.2	1.45	15.0	381
5036.147	—	1500.0	91	1.412	36AH	3.1	1.41	15.0	381
5036.147	Gladiolus	1510.5	61	1.416	36AH	3.1	1.41	15.0	381
5038.156	Coreopsis	1590.0	61	1.453	38AH	3.8	1.72	16.0	406
5038.156	Dogwood	1590.0	91	1.454	38AH	3.8	1.72	16.0	406
5040.162	Jessamine	1750.0	61	1.525	40AH	4.5	2.04	17.0	432
5042.178	Cowslip	2000.0	91	1.630	42AH	4.6	2.09	17.0	432
5044.181	Sagebrush	2250.0	91	1.729	44AH	5.4	2.45	17.0	432
5044.181	—	2250.0	61	1.750	44AH	5.4	2.45	17.0	432
5044.181	—	2300.0	91	1.750	44AH	5.4	2.45	17.0	432
5044.188	Lupine	2500.0	91	1.823	44AH	5.0	2.27	17.0	432
5048.197	Bitterroot	2750.0	91	1.912	48AH	7.3	3.31	19.0	483

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Terminal Connectors—5600 Series for AAC Conductors, Straight



The 5600 Series Straight Terminal Connector is designed for AAC conductors. The terminal connector is fabricated from AFL seamless drawn aluminum.

When used with the dead end, the straight terminal connector allows drop at a 15° angle. All terminal 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 Instructions

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'.
For Standard Finish, leave blank.

Step 3: Assemble Catalog Number.

Assy Catalog Number + **EHV Finish**

Example:
For 795 Arbutus conductor with an EHV finish, the complete catalog number is:

5630.109EHV

TERMINAL CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION						PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.	ALUMINUM HEX DIE			L		A		AB		
		KCMIL	AL	IN		LBS	KG	IN	MM	IN	MM	IN	MM	
5673.391	Poppy	1/0	7	0.368	73AH	0.1	0.06	7.6	194	0.2	5	1.0	25	B
5674.438	Aster	2/0	7	0.414	74AH	0.3	0.14	8.3	211	0.3	9	1.0	25	B
5674.484	Phlox	3/0	7	0.464	74AH	0.3	0.12	8.3	211	0.3	8	1.0	25	B
5675.547	Oxlip	4/0	7	0.522	75AH	0.5	0.23	9.5	241	0.5	13	1.0	25	B
5675.609	Valerian	250.0	19	0.575	75AH	0.5	0.20	9.8	248	0.5	12	1.0	25	B
5675.609	Laurel	266.8	19	0.593	75AH	0.5	0.20	9.8	248	0.5	12	1.0	25	B
5676.656	Peony	300.0	19	0.629	76AH	0.8	0.38	10.4	265	0.6	15	1.3	32	B
5676.688	Tulip	336.4	19	0.666	76AH	0.8	0.37	10.6	268	0.6	14	1.3	32	B
5620.719	Daffodil	350.0	19	0.679	20AH	0.9	0.41	10.8	275	0.5	12	1.3	32	B
5676.750	Canna	397.5	19	0.724	76AH	0.7	0.34	10.8	275	0.5	13	1.3	32	B
5620.812	Goldentuft	450.0	19	0.770	20AH	0.8	0.37	12.3	306	0.5	12	1.3	32	B
5620.812	Yarrow	450.0	37	0.772	20AH	0.8	0.37	12.3	306	0.5	12	1.3	32	B
5620.812	Cosmos	477.0	19	0.793	20AH	0.8	0.37	12.3	306	0.5	12	1.3	32	B
5620.812	Syringa	477.0	37	0.795	20AH	0.8	0.37	12.3	306	0.5	12	1.3	32	B
5624.875	Cosmos	477.0	19	0.793	24AH	1.4	0.64	12.6	319	0.6	16	1.5	38	B
5624.875	Syringa	477.0	37	0.795	24AH	1.4	0.64	12.6	319	0.6	16	1.5	38	B
5624.875	Zinnia	500.0	19	0.811	24AH	1.4	0.64	12.6	319	0.6	16	1.5	38	B

Notes:
1. Pad Dimensions are on page 117.
2. AFL Filler Compound (AFC) Requirements are on page 117.
3. Installation Instructions for Terminals are on page 131.
4. Bolts, nuts and washers are not supplied with the straight terminal connector.

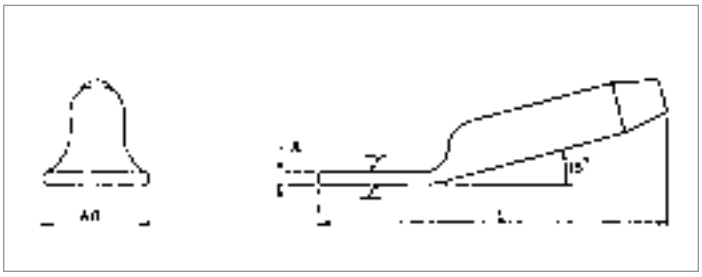
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Terminal Connectors—5600 Series for AAC Conductors, Straight (cont.)

TERMINAL CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION						PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.	ALUMINUM HEX DIE			L		A		AB		
		KCMIL	AL	IN		LBS	KG	IN	MM	IN	MM	IN	MM	
5624.875	Hyacinth	500.0	37	0.813	24AH	1.4	0.64	12.6	319	0.6	16	1.5	38	B
5624.938	Dahlia	556.5	19	0.856	24AH	1.3	0.59	12.8	324	0.6	15	1.5	38	B
5624.938	Mistletoe	556.5	387	0.858	24AH	1.3	0.59	12.8	324	0.6	15	1.5	38	B
5624.938	Meadowsweet	600.0	37	0.891	24AH	1.3	0.59	12.8	324	0.6	15	1.5	38	B
5624.969	Orchid	636.0	37	0.918	24AH	1.3	0.59	12.8	325	0.6	15	1.5	38	B
5624.969	Heuchera	650.0	37	0.928	24AH	1.3	0.59	12.8	325	0.6	15	1.5	38	B
5627.100	Flag	700.0	61	0.964	27AH	1.7	0.77	12.1	333	0.4	10	3.0	76	D
5627.106	Violet	715.5	37	0.974	27AH	1.7	0.77	12.1	333	0.4	10	3.0	76	D
5627.106	Nasturtium	715.5	61	0.975	27AH	1.7	0.77	12.1	333	0.4	10	3.0	76	D
5627.106	Petunia	750.0	37	0.997	27AH	1.7	0.77	12.1	333	0.4	10	3.0	76	D
5627.106	Cattail	750.0	61	0.998	27AH	1.7	0.77	12.1	333	0.4	10	3.0	76	D
5630.109	Arbutus	795.0	37	1.026	30AH	2.4	1.09	14.3	363	0.5	13	3.0	76	D
5630.109	Lilac	795.0	61	1.028	30AH	2.4	1.09	14.3	363	0.5	13	3.0	76	D
5630.109	—	800.0	37	1.031	30AH	2.4	1.09	14.3	363	0.5	13	3.0	76	D
5630.109	Heliotrope	800.0	61	1.031	30AH	2.4	1.09	14.3	363	0.5	13	3.0	76	D
5630.116	Snapdragon	900.0	61	1.094	30AH	2.3	1.04	14.6	370	0.5	12	3.0	76	D
5630.122	Magnolia	954.0	37	1.124	30AH	2.2	1.00	14.8	375	0.4	10	3.0	76	D
5630.122	Goldenrod	954.0	61	1.126	30AH	2.2	1.00	14.8	375	0.4	10	3.0	76	D
5630.122	Camellia	1000.0	61	1.152	30AH	2.2	1.00	14.8	375	0.4	10	3.0	76	D
5630.122	Bluebell	1033.5	37	1.170	30AH	2.2	1.00	14.8	375	0.4	10	3.0	76	D
5630.122	Larkspur	1033.5	61	1.172	30AH	2.2	1.00	14.8	375	0.4	10	3.0	76	D
5634.128	Marigold	1113.0	61	1.216	34AH	3.3	1.50	15.3	389	0.6	16	3.0	76	D
5634.134	Hawthorn	1192.5	61	1.258	34AH	3.2	1.45	15.8	4	0.6	15	3.0	76	D
5634.134	Narcissus	1272.0	61	1.300	34AH	3.2	1.45	15.8	4	0.6	15	3.0	76	D
5636.144	Columbine	1351.0	61	1.340	36AH	3.6	1.63	16.6	421	0.6	15	3.0	76	D
5636.144	Carnation	1431.0	61	1.379	36AH	3.6	1.63	16.6	421	0.6	15	3.0	76	D
5636.147	—	1500.0	91	1.412	36AH	3.5	1.59	16.1	409	0.6	16	3.0	76	D
5636.147	Gladiolus	1510.5	61	1.416	36AH	3.5	1.59	16.1	409	0.6	16	3.0	76	D
5638.156	Coreopsis	1590.0	61	1.453	38AH	4.2	1.91	17.9	454	0.7	17	3.0	76	D
5638.156	Dogwood	1590.0	91	1.454	38AH	4.2	1.91	17.9	454	0.7	17	3.0	76	D
5640.162	Jessamine	1750.0	61	1.525	40AH	4.8	2.18	17.6	446	0.7	17	3.0	76	D
5642.178	Cowslip	2000.0	91	1.630	42AH	5.3	2.40	19.0	483	0.7	17	4.0	102	E
5644.181	Sagebrush	2250.0	91	1.729	44AH	6.3	2.86	19.5	493	0.7	18	4.0	102	E
5644.181	—	2300.0	61	1.750	44AH	6.3	2.86	19.5	493	0.7	18	4.0	102	E
5644.181	—	2300.0	91	1.750	44AH	6.3	2.86	19.5	493	0.7	18	4.0	102	E
5644.188	Lupine	2500.0	91	1.823	44AH	6.1	2.77	19.6	498	0.7	18	4.0	102	E
5648.197	Bitterroot	2750.0	91	1.912	48AH	8.2	3.72	21.6	549	0.8	21	4.0	102	E

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Terminal Connectors—5100 Series for AAC Conductors, 15°



The 5100 Series 15° Terminal Connector is designed for AAC conductors. The terminal connector is fabricated from AFL seamless drawn aluminum.

When used with the dead end, the 15° terminal connector can be bolted in either the straight or 30° position. All terminal 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. Aluminum hardware is supplied with the 15° terminal connector.

Ordering Instructions

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'.
For Standard Finish, leave blank.

Step 3: Assemble Catalog Number.

Assy Catalog Number	+	EHV Finish

Example:
For 795 Arbutus conductor with an EHV finish, the complete catalog number is:

5130.109EHV

TERMINAL CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION						PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.	ALUMINUM HEX DIE			L		A		AB		
		KCMIL	AL	IN		LBS	KG	IN	MM	IN	MM	IN	MM	
5173.391	Poppy	1/0	7	0.368	73AH	0.3	0.12	7.6	194	0.2	5	1.0	25	B
5174.438	Aster	2/0	7	0.414	74AH	0.4	0.20	8.3	211	0.3	9	1.0	25	B
5174.438		2/0	19	0.419	74AH	0.4	0.20	8.3	211	0.3	9	1.0	25	B
5174.484	Phlox	3/0	7	0.464	74AH	0.4	0.19	8.3	211	0.3	8	1.0	25	B
5174.484		3/0	19	0.470	74AH	0.4	0.19	8.3	211	0.3	8	1.0	25	B
5175.547	Oxlip	4/0	7	0.522	75AH	0.7	0.29	9.5	241	0.5	13	1.0	25	B
		4/0	19	0.528	75AH	0.7	0.29	9.5	241	0.5	13	1.0	25	B
5175.609	Valerian	250.0	19	0.575	75AH	0.6	0.27	9.8	248	0.5	12	1.0	25	B
5175.609	Daisy	266.8	7	0.586	75AH	0.6	0.27	9.8	248	0.5	12	1.0	25	B
5175.609	Laurel	266.8	19	0.593	75AH	0.6	0.27	9.8	248	0.5	12	1.0	25	B
5176.656	Peony	300.0	19	0.629	76AH	0.9	0.41	10.4	265	0.6	15	1.3	32	B
5176.688	Tulip	336.4	19	0.666	76AH	0.9	0.40	10.6	268	0.6	14	1.3	32	B

Notes:
1. Pad Dimensions are on page 117.
2. AFL Filler Compound (AFC) Requirements are on page 115.
3. Installation Instructions for Terminals are on page 131.
4. Supplied with aluminum hardware.

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Terminal Connectors—5100 Series for AAC Conductors, 15° (cont.)

TERMINAL CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION						PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.	ALUMINUM HEX DIE			L		A		AB		
		KCMIL	AL	IN		LBS	KG	IN	MM	IN	MM	IN	MM	
5120.719	Daffodil	350.0	19	0.679	76AH	0.9	0.39	10.7	272	0.5	13	1.3	32	B
5176.750	Canna	397.5	19	0.724	76AH	0.8	0.38	10.8	275	0.5	13	1.3	32	B
5120.812	Goldentuft	450.0	19	0.770	20AH	1.0	0.44	12.1	306	0.5	12	1.3	32	B
5120.812	Yarrow	450.0	37	0.772	20AH	1.0	0.44	12.1	306	0.5	12	1.3	32	B
5120.812	Cosmos	477.0	19	0.793	20AH	1.0	0.44	12.1	306	0.5	12	1.3	32	B
5120.812	Syringa	477.0	37	0.795	20AH	1.0	0.44	12.1	306	0.5	12	1.3	32	B
5124.875	Cosmos	477.0	19	0.793	24AH	1.6	0.73	12.6	319	0.6	16	1.5	38	B
5124.875	Syringa	477.0	37	0.795	24AH	1.6	0.73	12.6	319	0.6	16	1.5	38	B
5124.875	Zinnia	500.0	19	0.811	24AH	1.6	0.73	12.6	319	0.6	16	1.5	38	B
5124.875	Hyacinth	500.0	37	0.813	24AH	1.6	0.73	12.6	319	0.6	16	1.5	38	B
5124.938	Dahlia	556.5	19	0.856	24AH	1.5	0.68	12.8	324	0.6	15	1.5	38	B
5124.938	Mistletoe	556.5	37	0.858	24AH	1.5	0.68	12.8	324	0.6	15	1.5	38	B
5124.938	Meadowsweet	600.0	37	0.891	24AH	1.5	0.68	12.8	324	0.6	15	1.5	38	B
5124.969	Orchid	636.0	37	0.918	24AH	1.5	0.68	12.8	325	0.6	15	1.5	38	B
5124.969	Heuchera	650.0	37	0.928	24AH	1.5	0.68	12.8	325	0.6	15	1.5	38	B
5127.100	Flag	700.0	61	0.964	27AH	1.9	0.86	12.3	313	0.4	10	3.0	76	D
5127.106	Violet	715.5	37	0.974	27AH	1.9	0.86	12.3	313	0.4	10	3.0	76	D
5127.106	Nasturtium	715.5	61	0.975	27AH	1.9	0.86	12.3	313	0.4	10	3.0	76	D
5127.106	Petunia	750.0	37	0.997	27AH	1.9	0.86	12.3	313	0.4	10	3.0	76	D
5127.106	Cattail	750.0	61	0.998	27AH	1.9	0.86	12.3	313	0.4	10	3.0	76	D
5130.109	Arbutus	795.0	37	1.026	30AH	2.7	1.22	13.6	346	0.5	13	3.0	76	D
5130.109	Lilac	795.0	61	1.028	30AH	2.7	1.22	13.6	346	0.5	13	3.0	76	D
5130.109	—	800.0	37	1.031	30AH	2.7	1.22	13.6	346	0.5	13	3.0	76	D
5130.109	Heliotrope	800.0	61	1.031	30AH	2.7	1.22	13.6	346	0.5	13	3.0	76	D
5130.116	Snapdragon	900.0	61	1.094	30AH	2.6	1.18	13.9	354	0.5	12	3.0	76	D
5130.122	Magnolia	954.0	37	1.124	30AH	2.5	1.13	14.3	362	0.4	10	3.0	46	D
5130.122	Goldenrod	954.0	61	1.126	30AH	2.5	1.13	14.3	362	0.4	10	3.0	46	D
5130.122	Camellia	1000.0	61	1.152	30AH	2.5	1.13	14.3	362	0.4	10	3.0	46	D
5130.122	Bluebell	1033.5	37	1.170	30AH	2.5	1.13	14.3	362	0.4	10	3.0	46	D
5130.122	Larkspur	1033.5	61	1.172	30AH	2.5	1.13	14.3	362	0.4	10	3.0	46	D
5134.128	Marigold	1113.0	61	1.216	34AH	3.6	1.63	14.3	363	0.6	16	3.0	76	D
5134.134	Hawthorn	1192.5	61	1.258	34AH	3.5	1.59	14.5	368	0.6	15	3.0	76	D
5134.134	Narcissus	1272.0	61	1.300	34AH	3.5	1.59	14.5	368	0.6	15	3.0	76	D
5136.144	Columbine	1351.0	61	1.340	36AH	3.8	1.72	15.3	389	0.6	15	3.0	76	D

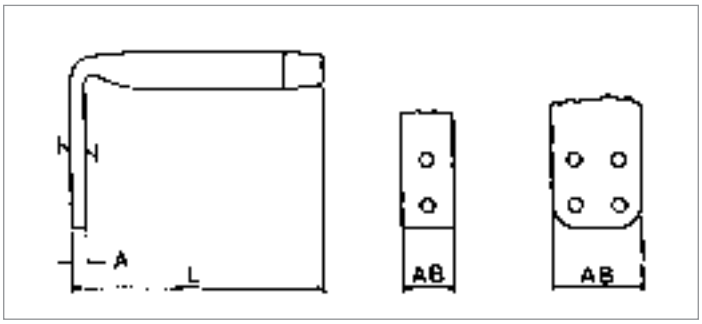
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Terminal Connectors—5100 Series for AAC Conductors, 15° (cont.)

TERMINAL CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION						PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.	ALUMINUM HEX DIE			L		A		AB		
		KCMIL	AL	IN		LBS	KG	IN	MM	IN	MM	IN	MM	
5136.144	Carnation	1431.0	61	1.379	36AH	3.8	1.72	15.3	389	0.6	15	3.0	76	D
5136.147	—	1500.0	91	1.412	36AH	3.8	1.72	15.1	384	0.6	16	3.0	76	D
5136.147	Gladiolus	1510.5	61	1.416	36AH	3.8	1.72	15.1	384	0.6	16	3.0	76	D
5138.156	Coreopsis	1590.0	61	1.453	38AH	4.4	2.00	16.9	424	0.9	17	3.0	76	D
5138.156	Dogwood	1590.0	91	1.454	38AH	4.4	2.00	16.9	424	0.9	17	3.0	76	D
5140.162	Jessamine	1750.0	61	1.525	40AH	5.3	2.40	17.4	443	0.9	18	4.0	102	E
5142.178	Cowslip	2000.0	91	1.630	42AH	5.7	2.59	18.5	470	0.7	17	4.0	102	E
5144.181	Sagebrush	2250.0	91	1.729	44AH	6.8	3.08	18.5	470	0.7	18	4.0	102	E
5144.181	—	2300.0	61	1.750	44AH	6.8	3.08	18.5	470	0.7	18	4.0	102	E
5144.181	—	2300.0	91	1.750	44AH	6.8	3.08	18.5	470	0.7	18	4.0	102	E
5144.188	Lupine	2500.0	91	1.823	44AH	6.6	2.99	18.6	473	0.7	18	4.0	102	E
5148.197	Bitterroot	2750.0	91	1.912	48AH	8.7	3.95	20.3	514	0.8	21	4.0	102	E

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Terminal Connectors—5800 Series for AAC Conductors, 90°



The 5800 Series 90° Terminal Connector is designed for AAC conductors. The terminal connector is fabricated from AFL seamless drawn aluminum.

All terminal 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 Instructions

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'.
For Standard Finish, leave blank.

Step 3: Assemble Catalog Number.

Assy Catalog Number + **EHV Finish**

Example:
For 795 Arbutus conductor with an EHV finish, the complete catalog number is:

5830.109EHV

TERMINAL CATALOG NUMBER	COMDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION						PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.	ALUMINUM HEX DIE			L		A		AB		
		KCMIL	AL	IN		LBS	KG	IN	MM	IN	MM	IN	MM	
5873.391	Poppy	1/0	7	0.368	73AH	0.2	0.07	3.9	99	0.2	5	1.0	25	B
5874.438	Aster	2/0	7	0.414	74AH	0.3	0.15	4.9	124	0.3	9	1.0	25	B
5874.484	Phlox	3/0	7	0.464	74AH	0.3	0.13	4.9	124	0.3	8	1.0	25	B
5875.547	Oxlip	4/0	7	0.522	75AH	0.5	0.24	6.0	152	0.5	13	1.0	25	B
5875.609	Valerian	250.0	19	0.575	75AH	0.5	0.22	6.3	159	0.5	12	1.0	25	B
5875.609	Laurel	266.8	19	0.593	75AH	0.5	0.22	6.3	159	0.5	12	1.0	25	B
5876.656	Peony	300.0	19	0.629	76AH	0.8	0.38	7.1	181	0.6	15	1.3	32	B
5876.688	Tulip	336.4	19	0.666	76AH	0.8	0.37	7.3	184	0.6	14	1.3	32	B
5820.719	Daffodil	350.0	19	0.679	76AH	0.8	0.36	7.3	184	0.5	13	1.3	32	B
5876.750	Canna	397.5	19	0.724	76AH	0.7	0.34	7.4	187	0.5	13	1.3	32	B
5820.812	Goldentuft	450.0	19	0.770	20AH	0.9	0.39	8.9	226	0.5	12	1.3	32	B
5820.812	Yarrow	450.0	37	0.772	20AH	0.9	0.39	8.9	226	0.5	12	1.3	32	B
5820.812	Cosmos	477.0	19	0.793	20AH	0.9	0.39	8.9	226	0.5	12	1.3	32	B
5820.812	Syringa	477.0	37	0.795	20AH	0.9	0.39	8.9	226	0.5	12	1.3	32	B
5824.875	Cosmos	477.0	19	0.793	24AH	1.5	0.68	9.4	238	0.6	16	1.5	38	B
5824.875	Syringa	477.0	37	0.795	24AH	1.5	0.68	9.4	238	0.6	16	1.5	38	B

Notes:
1. Pad Dimensions are on page 117.
2. AFL Filler Compound (AFC) Requirements are on page 115.
3. Installation Instructions for Terminals are on page 131.
4. Bolts, nuts and washers are not supplied with the 90° terminal connector.

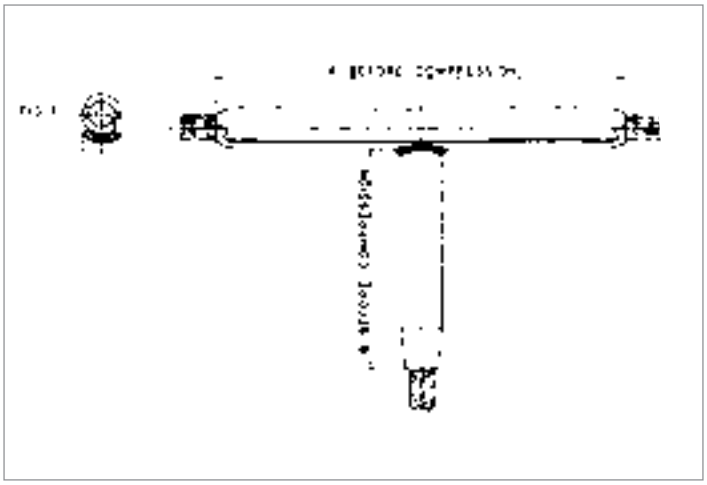
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Terminal Connectors—5800 Series for AAC Conductors, 90° (cont.)

TERMINAL CATALOG NUMBER	COMDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION						PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.	ALUMINUM HEX DIE			L		A		AB		
		KCMIL	AL	IN		LBS	KG	IN	MM	IN	MM	IN	MM	
5824.875	Zinnia	500.0	19	0.811	24AH	1.5	0.68	9.4	238	0.6	16	1.5	38	B
5824.875	Hyacinth	500.0	37	0.813	24AH	1.5	0.68	9.4	238	0.6	16	1.5	38	B
5824.938	Dahlia	556.5	19	0.856	24AH	1.4	0.64	9.5	241	0.6	15	1.5	38	B
5824.938	Mistletoe	556.5	37	0.858	24AH	1.4	0.64	9.5	241	0.6	15	1.5	38	B
5824.938	Meadowsweet	600.0	37	0.891	24AH	1.4	0.64	9.5	241	0.6	15	1.5	38	B
5824.969	Orchid	636.0	37	0.918	24AH	1.4	0.64	9.5	241	0.6	15	1.5	38	B
5824.969	Heuchera	650.0	37	0.928	24AH	1.4	0.64	9.5	241	0.6	15	1.5	38	B
5827.100	Flag	700.0	61	0.964	27AH	1.7	0.77	8.9	226	0.4	10	3.0	76	D
5827.106	Violet	715.5	37	0.974	27AH	1.7	0.77	8.9	226	0.4	10	3.0	76	D
5827.106	Nasturtium	715.5	61	0.975	27AH	1.7	0.77	8.9	226	0.4	10	3.0	76	D
5827.106	Petunia	750.0	37	0.997	27AH	1.7	0.77	8.9	226	0.4	10	3.0	76	D
5827.106	Cattail	750.0	61	0.998	27AH	1.7	0.77	8.9	226	0.4	10	3.0	76	D
5830.109	Arbutus	795.0	37	1.026	30AH	2.4	1.09	10.3	260	0.5	13	3.0	76	D
5830.109	Lilac	795.0	61	1.028	30AH	2.4	1.09	10.3	260	0.5	13	3.0	76	D
5830.109	—	800.0	37	1.031	30AH	2.4	1.09	10.3	260	0.5	13	3.0	76	D
5830.109	Heliotrope	800.0	61	1.031	30AH	2.4	1.09	10.3	260	0.5	13	3.0	76	D
5830.116	Snapdragon	900.0	61	1.094	30AH	2.3	1.04	10.5	267	0.5	12	3.0	76	D
5830.122	Magnolia	954.0	37	1.124	30AH	2.2	1.00	10.8	273	0.4	10	3.0	76	D
5830.122	Goldenrod	954.0	61	1.126	30AH	2.2	1.00	10.8	273	0.4	10	3.0	76	D
5830.122	Camellia	1000.0	61	1.152	30AH	2.2	1.00	10.8	273	0.4	10	3.0	76	D
5830.122	Bluebell	1033.5	37	1.170	30AH	2.2	1.00	10.8	273	0.4	10	3.0	76	D
5830.122	Larkspur	1033.5	61	1.172	30AH	2.2	1.00	10.8	273	0.4	10	3.0	76	D
5834.128	Marigold	1113.0	61	1.216	34AH	3.3	1.50	11.5	292	0.6	16	3.0	76	D
5834.134	Hawthorn	1192.5	61	1.258	34AH	3.2	1.45	11.5	292	0.6	15	3.0	76	D
5834.134	Narcissus	1272.0	61	1.300	34AH	3.2	1.45	11.5	292	0.6	15	3.0	76	D
5836.144	Columbine	1351.0	61	1.340	36AH	3.5	1.59	12.1	308	0.6	15	3.0	76	D
5836.144	Carnation	1431.0	61	1.379	36AH	3.5	1.59	12.1	308	0.6	15	3.0	76	D
5836.147	—	1500.0	91	1.412	36AH	3.5	1.59	12.1	308	0.6	16	3.0	76	D
5836.147	Gladiolus	1510.5	61	1.416	36AH	3.5	1.59	12.1	308	0.6	16	3.0	76	D
5838.156	Coreopsis	1590.0	61	1.453	38AH	4.2	1.91	13.6	346	0.7	17	3.0	76	D
5838.156	Dogwood	1590.0	91	1.454	38AH	4.2	1.91	13.6	346	0.7	17	3.0	76	D
5840.162	Jessamine	1750.0	61	1.525	40AH	4.7	2.13	13.3	338	0.7	17	3.0	76	D
5842.178	Cowslip	2000.0	91	1.630	42AH	5.5	2.49	14.5	368	0.7	17	4.0	102	E
5844.181	Sagebrush	2250.0	91	1.729	44AH	6.7	3.04	14.6	371	0.7	18	4.0	102	E
5844.181	—	2300.0	61	1.750	44AH	6.7	3.04	14.6	371	0.7	18	4.0	102	E
5844.181	—	2300.0	91	1.750	44AH	6.7	3.04	14.6	371	0.7	18	4.0	102	E
5844.188	Lupine	2500.0	91	1.823	44AH	6.6	2.99	15.1	384	0.7	18	4.0	102	E
5848.197	Bitterroot	2750.0	91	1.912	48AH	8.5	3.86	16.4	416	0.8	21	4.0	102	E

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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.

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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

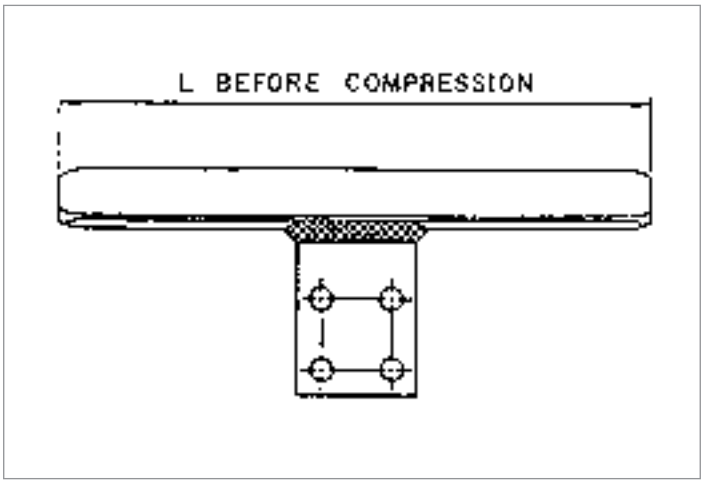
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Tee Connector—5500 Series for AAC Conductors, Open Run (cont.)

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

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Tee Tap—5300 Series for AAC Conductors, Open Run



The 5300 Series Tee Tap is a permanent or temporary drop designed for AAC conductors. It 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.

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: Catalog Number
Determine the catalog number based on the conductor being used.

Step 2: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'.
For Standard Finish, leave blank.

Step 3: Assemble Catalog Number.

Catalog Number	+	EHV Finish

Example:
For 795 Arbutus conductor with EHV finish, the complete catalog number is:

5330.3EHV

Notes:
1. Pad Dimensions are on page 117.
2. AFL Filler Compound (AFC) Requirements are on page 115.
3. Bolt sizes and torque recommendations are on page 119.
4. Installation Instructions for Open Run Tee Taps are on page 144.

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Tee Tap—5300 Series for AAC Conductors, Open Run (cont.)

TEE TAP CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION A		PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.	ALUMINUM HEX DIE					
		KCMIL	AL	IN		LBS	KG	IN	MM	
5374	Aster	2/0	7	0.414	74AH	0.5	0.20	7.6	192	B
5374	Phlox	3/0	7	0.464	74AH	0.5	0.20	7.6	192	B
5375	Oxlip	4/0	7	0.522	75AH	0.7	0.34	8.6	217	B
5375	Valerian	250.0	19	0.575	75AH	0.7	0.34	8.6	217	B
5375	Laurel	266.8	19	0.593	75AH	0.7	0.34	8.6	217	B
5376	Peony	300.0	19	0.629	76AH	1.1	0.50	10.0	254	B
5376	Tulip	336.4	19	0.666	76AH	1.1	0.50	10.0	254	B
5376	Daffodil	350.0	19	0.679	76AH	1.1	0.50	10.0	254	B
5376	Canna	397.5	19	0.724	76AH	1.1	0.50	10.0	254	B
5320.3	Goldentuft	450.0	19	0.770	20AH	1.2	0.54	12.5	318	B
5320.3	Yarrow	450.0	37	0.772	20AH	1.2	0.54	12.5	318	B
5320.3	Cosmos	477.0	19	0.793	20AH	1.2	0.54	12.5	318	B
5320.3	Syringa	477.0	37	0.795	20AH	1.2	0.54	12.5	318	B
5324.3	Cosmos	477.0	19	0.793	24AH	1.8	0.82	13.3	337	B
5324.3	Syringa	477.0	37	0.795	24AH	1.8	0.82	13.3	337	B
5324.3	Zinnia	500.0	19	0.811	24AH	1.8	0.82	13.3	337	B
5324.3	Hyacinth	500.0	37	0.813	24AH	1.8	0.82	13.3	337	B
5324.3	Dahlia	556.5	19	0.856	24AH	1.8	0.82	13.3	337	B
5324.3	Mistletoe	556.5	387	0.858	24AH	1.8	0.82	13.3	337	B
5324.3	Meadowsweet	600.0	37	0.891	24AH	1.8	0.82	13.3	337	B
5324.3	Orchid	636.0	37	0.918	24AH	1.8	0.82	13.3	337	B
5324.3	Heuchera	650.0	37	0.928	24AH	1.8	0.82	13.3	337	B
5327.3	Flag	700.0	61	0.964	27AH	3.0	1.36	15.3	387	D
5327.3	Violet	715.5	37	0.974	27AH	3.0	1.36	15.3	387	D
5327.3	Nasturtium	715.5	61	0.975	27AH	3.0	1.36	15.3	387	D
5327.3	Petunia	750.0	37	0.997	27AH	3.0	1.36	15.3	387	D
5327.3	Cattail	750.0	61	0.998	27AH	3.0	1.36	15.3	387	D
5330.3	Arbutus	795.0	37	1.026	30AH	3.4	1.54	16.8	425	D
5330.3	Lilac	795.0	61	1.028	30AH	3.4	1.54	16.8	425	D
5330.3	—	800.0	37	1.031	30AH	3.4	1.54	16.8	425	D
5330.3	Heliotrope	800.0	61	1.031	30AH	3.4	1.54	16.8	425	D
5330.3	Snapdragon	900.0	61	1.094	30AH	3.4	1.54	16.8	425	D
5330.3	Magnolia	954.0	37	1.124	30AH	3.4	1.54	16.8	425	D
5330.3	Goldenrod	954.0	61	1.126	30AH	3.4	1.54	16.8	425	D
5330.3	Camellia	1000.0	61	1.152	30AH	3.4	1.54	16.8	425	D
5330.3	Bluebell	1033.5	37	1.170	30AH	3.4	1.54	16.8	425	D
5330.3	Larkspur	1033.5	61	1.172	30AH	3.4	1.54	16.8	425	D
5334.3	Marigold	1113.0	61	1.216	34AH	4.5	2.04	17.8	451	D
5334.3	Hawthorn	1192.5	61	1.258	34AH	4.5	2.04	17.8	451	D
5334.3	Narcissus	1272.0	61	1.300	34AH	4.5	2.04	17.8	451	D

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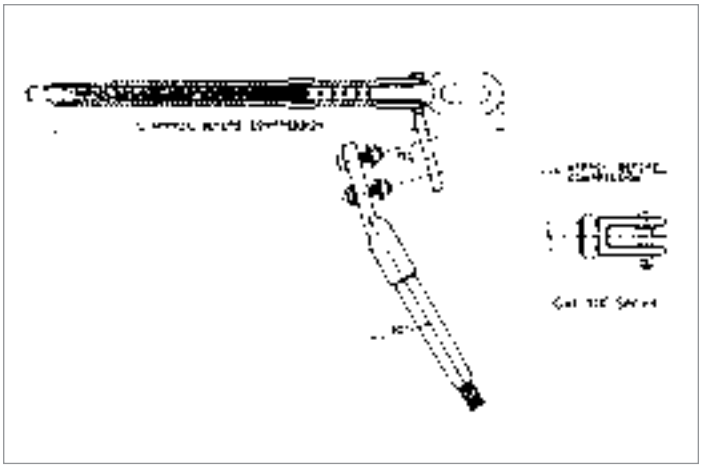
Tee Tap—5300 Series for AAC Conductors, Open Run (cont.)

TEE TAP CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION A		PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.	ALUMINUM HEX DIE					
		KCMIL	AL	IN		LBS	KG	IN	MM	
5336.3	Columbine	1351.0	61	1.340	36AH	4.7	2.13	18.5	470	D
5336.3	Carnation	1431.0	61	1.379	36AH	4.7	2.13	18.5	470	D
5336.3	—	1500.0	91	1.412	36AH	4.7	2.13	18.5	470	D
5336.3	Gladiolus	1510.5	61	1.417	36AH	4.7	2.13	18.5	470	D
5338.3	Coreopsis	1590.0	61	1.454	38AH	5.3	2.40	19.0	483	D
5338.3	Dogwood	1590.0	91	1.454	38AH	5.3	2.40	19.0	483	D
5340.3	Jessamine	1750.0	61	1.525	40AH	6.1	2.77	19.5	495	D
5342.3	Cowslip	2000.0	91	1.630	42AH	7.7	3.49	21.0	533	E
5344.3	Sagebrush	2250.0	91	1.729	44AH	9.7	4.40	22.8	576	E
5344.3	—	2300.0	61	1.750	44AH	9.7	4.40	22.8	576	E
5344.3	—	2300.0	91	1.750	44AH	9.7	4.40	22.8	576	E
5344.3	Lupine	2500.0	91	1.823	44AH	9.7	4.40	22.8	576	E
5348.3	Bitterroot	2750.0	91	1.912	48AH	10.6	4.81	24.0	610	E
5344.3	—	2300.0	91	1.750	44AH	9.7	4.40	22.8	576	E
5344.3	Lupine	2500.0	91	1.823	44AH	9.7	4.40	22.8	576	E
5348.3	Bitterroot	2750.0	91	1.913	48AH	10.6	4.81	24.0	610	E

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Compression Dead Ends—33700 Series for AAAC and ACAR Conductors, Eye Type, Single Tongue



The 33700 Series Dead End Assembly is specifically designed for AAAC and ACAR conductors. The aluminum body of the dead end is fabricated from AFL seamless drawn aluminum. The tongue and terminal pad are constructed with a 15º angle, which permits the terminal connector to be bolted in the straight or 30º position.

All dead ends are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor on which they are used. Each dead end assembly comes with a dead end body, steel eye, 15º terminal and aluminum hardware.

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. Corona bolts are furnished as standard on 15º terminals for these section sizes.

The square edges of bolted pads on compression accessories could cause Corona in environments greater than or equal to 345 kV. Pads with edges and corners rounded can be supplied by adding the catalog suffix "EHV".

Ordering Instructions

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector
For an assembly without a terminal connector, use 'NT'.
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'.
For Standard Finish, leave blank.

Step 4: Assemble Catalog Number.

Assy Catalog Number	+	Terminal Connector	+	EHV Finish

Example:
For 927.2 Greeley conductor with no terminal, the complete catalog number is:

E33714NT

Notes:
1. Eye Dimensions are on page 119.
2. Pad Dimensions are on page 117.
3. AFL Filler Compound (AFC) Requirements are on page 115.
4. Installation Instructions for Dead Ends are on page 133.
5. Installation Instructions for Terminals are on page 131.

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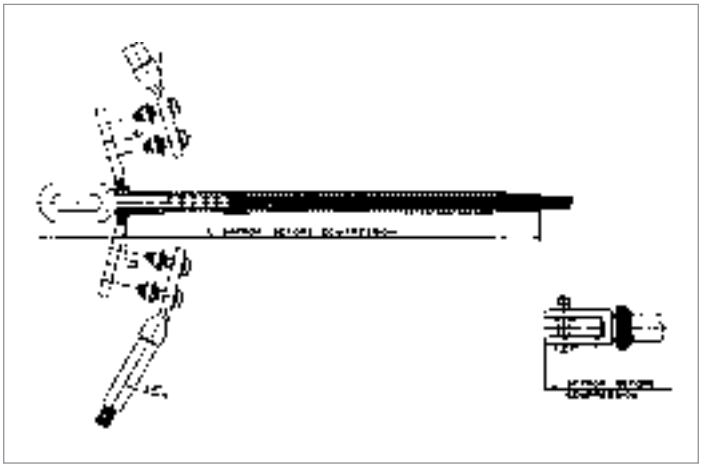
Compression Dead Ends—33700 Series for AAAC and ACAR Conductors, Eye Type, Single Tongue (cont.)

DEAD END ASSEMBLY CATALOG NUMBER	CONDUCTOR				ALUMINUM BODY SINGLE TONGUE	STEEL COMPONENT	15° TERMINAL CONNECTOR	DIE SIZE	TOTAL WEIGHT		DIMENSION L		PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.		STEEL EYE		ALUMINUM HEX DIES	LBS	KG	IN	MM	
		KCMIL	AL	IN									
E33703	—	155.4	4/3	0.447	7612.484	9000	5112.484	12AH	2.6	1.16	16.0	406	B
E33703	Anaheim	155.4	7	0.447	7612.484	9000	5112.484	12AH	2.6	1.16	16.0	406	B
E33704	—	195.7	4/3	0.502	7613.542	9000	5113.542	13AH	3.0	1.38	16.0	406	B
E33704	Amherst	195.7	7	0.502	7613.542	9000	5113.542	13AH	3.0	1.38	16.0	406	B
E33705	—	246.9	4/3	0.563	7613.625	9100	5113.625	13AH	3.0	1.57	17.0	432	B
E33705	Alliance	246.9	7	0.563	7613.625	9100	5113.625	13AH	3.0	1.57	17.0	432	B
E33707	Butte	312.8	19	0.642	7614.719	9100	5114.719	14AH	4.0	1.81	17.8	451	B
E33708	Canton	394.5	19	0.721	7624.781	9200	5124.781	24AH	6.1	2.77	20.3	516	B
E33709	Cairo	465.4	19	0.783	7624.875C	9200	5124.875	24AH	5.9	2.68	21.6	548	B
E33709	—	503.6	15/4	0.814	7624.875C	9200	5124.875	24AH	5.9	2.68	21.6	548	B
E33710	Darlen	559.5	19	0.858	7627.906	9300	5127.906	27AH	8.0	3.63	23.3	591	D
E33712	—	634.9	12/7	0.914	7627.100	9200	5127.100	27AH	7.2	3.27	23.3	592	D
E33716	—	649.5	18/19	0.928	7627.100C	9300	5127.100	27AH	7.8	3.54	23.3	592	D
E33716	—	649.5	24/13	0.928	7627.100C	9300	5127.100	27AH	7.8	3.54	23.3	592	D
E33716	—	649.5	30/7	0.928	7627.100C	9300	5127.100	27AH	7.8	3.54	23.3	592	D
E33713	Elgin	652.4	19	0.927	7630.109	9300	5130.109	30AH	9.7	4.40	24.8	629	D
E33712	—	657.3	15/4	0.930	7627.100	9200	5127.100	27AH	7.2	3.29	23.3	592	D
E33713	Flint	740.8	37	0.991	7630.109	9300	5130.109	30AH	9.7	4.40	24.8	629	D
E33717	—	853.7	18/19	1.063	7630.116	9300	5130.116	30AH	8.9	4.04	21.6	548	D
E33717	—	853.7	24/13	1.063	7630.116	9300	5130.116	30AH	8.9	4.04	21.6	548	D
E33717	—	853.7	30/7	1.063	7630.116	9300	5130.116	30AH	8.9	4.04	21.6	548	D
E33714	Greeley	927.2	37	1.108	7634.122	9300	5134.122	34AH	11.9	5.40	25.3	641	D
E33714	—	927.2	18/19	1.108	7634.122	9300	5134.122	34AH	11.9	5.40	25.3	641	D
E33714	—	927.2	24/13	1.108	7634.122	9300	5134.122	34AH	11.9	5.40	25.3	641	D
E33714	—	927.2	30/7	1.108	7634.122	9300	5134.122	34AH	11.9	5.40	25.3	641	D
E33714	—	1024.5	18/19	1.165	7634.122	9300	5134.122	34AH	11.9	5.40	25.3	641	D
E33714	—	1024.5	24/13	1.165	7634.122	9300	5134.122	34AH	11.9	5.40	25.3	641	D
E33714	—	1024.5	30/7	1.165	7634.122	9300	5134.122	34AH	11.9	5.40	25.3	641	D
E33715	—	1080.6	18/19	1.196	7634.128	9400	5134.128	34AH	12.8	5.81	27.0	686	D
E33715	—	1080.6	24/13	1.196	7634.128	9400	5134.128	34AH	12.8	5.81	27.0	686	D
E33715	—	1080.6	30/7	1.196	7634.128	9400	5134.128	34AH	12.8	5.81	27.0	686	D
E33715	—	1108.6	24/13	1.212	7634.128	9400	5134.128	34AH	12.8	5.81	27.0	686	D
E33715	—	1172.3	18/19	1.246	7634.128	9400	5134.128	34AH	12.8	5.81	27.0	686	D
E33715	—	1172.3	24/13	1.246	7634.128	9400	5134.128	34AH	12.8	5.81	27.0	686	D
E33723	—	1127.0	42/19	1.222	7638.138	E9500	5138.138	38AH	14.6	6.62	23.9	607	D
E33718	—	1534.0	42/19	1.427	7638.150	E9600	5138.150	38AH	14.2	6.44	24.3	617	D
E33718	—	1534.0	54/7	1.427	7638.150	E9600	5138.150	38AH	14.2	6.44	24.3	617	D
E33719	—	1700.0	42/19	1.502	7640.162	E9600	5140.162	40AH	16.5	7.48	24.3	617	E
E33719	—	1700.0	54/7	1.502	7640.162	E9600	5140.162	40AH	16.5	7.48	24.3	617	E
E33722	—	1691.0	—	1.498	7644.159	E9700	5144.159	44AH	23.2	10.52	25.6	649	E
E33720	—	2303.5	54/37	1.750	7648.184	E9800	5148.184	48AH	26.1	11.83	27.3	694	E
E33720	—	2303.5	63/28	1.750	7648.184	E9800	5148.184	48AH	26.1	11.83	27.3	694	E
E33720	—	2338.0	42/19	1.762	7648.184	E9800	5148.184	48AH	26.1	11.83	27.3	694	E

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Compression Dead Ends—43100 Series for AAAC and ACAR Conductors, Eye Type, Double Tongue



The 43100 Series Double Tongue Dead End Assembly is specifically designed for AAAC and ACAR conductors. The aluminum body of the dead end is fabricated from AFL seamless drawn aluminum. The tongue and terminal pad are constructed with a 15° angle, which permits the terminal connector to be bolted in the straight or 30° position.

All dead ends are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor on which they are used. Each dead end assembly comes with a dead end body, steel eye, two 15° terminals and aluminum hardware.

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. Corona bolts are furnished as standard on 15° terminals for these section sizes.

The square edges of bolted pads on compression accessories could cause Corona in environments greater than or equal to 345 kV. Pads with edges and corners rounded can be supplied by adding the catalog suffix "EHV".

Ordering Instructions

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector
For an assembly without a terminal connector, use 'NT'.
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'.
For Standard Finish, leave blank.

Step 4: Assemble Catalog Number.

Assy Catalog Number	+	Terminal Connector	+	EHV Finish

Example:
For 927.2 Greeley conductor with no terminal, the complete catalog number is:

E43114NT

Notes:
1. Eye Dimensions are on page 119.
2. Pad Dimensions are on page 117.
3. AFL Filler Compound (AFC) Requirements are on page 115.
4. Installation Instructions for Dead Ends are on page 133.
5. Installation Instructions for Terminals are on page 131.

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Compression Dead Ends—43100 Series for AAAC and ACAR Conductors, Eye Type, Double Tongue (cont.)

DEAD END ASSEMBLY CATALOG NUMBER	CONDUCTOR				ALUMINUM BODY DOUBLE TONGUE	STEEL EYE	15° TERMINAL CONNECTOR	DIE SIZE	TOTAL WEIGHT		DIMENSION L		PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.				ALUM. HEX DIES	LBS	KG	IN	MM	
		KCMIL	AL	IN									
E43103	—	155.4	4/3	0.447	7712.484	9000	5112.484	12AH	2.9	1.30	16.0	406	B
E43103	Anaheim	155.4	7	0.447	7712.484	9000	5112.484	12AH	2.9	1.30	16.0	406	B
E43104	—	195.7	4/3	0.502	7713.542	9000	5113.542	13AH	3.3	1.51	16.0	406	B
E43104	Amherst	195.7	7	0.502	7713.542	9000	5113.542	13AH	3.3	1.51	16.0	406	B
E43105	—	246.9	4/3	0.563	7713.625	9100	5113.625	13AH	3.3	1.50	17.0	432	B
E43105	Alliance	246.9	7	0.563	7713.625	9100	5113.625	13AH	3.3	1.50	17.0	432	B
E43107	Butte	312.8	19	0.642	7714.719	9100	5114.719	14AH	4.5	2.04	17.8	451	B
E43108	Canton	394.5	19	0.721	7724.781	9200	5124.781	24AH	6.6	3.00	20.3	516	B
E43109	Cario	465.4	19	0.783	7724.875C	9200	5124.875	24AH	6.4	2.91	21.6	548	B
E43109	—	503.6	15/4	0.814	7724.875C	9200	5124.875	24AH	6.4	2.91	21.6	548	B
E43110	Darien	559.5	19	0.858	7727.906	9300	5127.906	27AH	8.5	3.85	23.3	591	D
E43112	—	634.9	12/7	0.914	7727.100	9200	5127.100	27AH	7.7	3.49	23.3	592	D
E43112	—	657.3	15/4	0.930	7727.100	9200	5127.100	27AH	7.7	3.51	23.3	592	D
E43113	Flint	740.8	37	0.991	7730.109	9300	5130.109	30AH	9.9	4.49	24.8	629	D
E43113	Elgin	652.4	19	0.927	7730.109	9300	5130.109	30AH	9.9	4.49	24.8	629	D
E43114	Greeley	927.2	37	1.108	7734.122	9300	5134.122	34AH	12.0	5.45	25.3	641	D
E43114	—	927.2	18/19	1.108	7734.122	9300	5134.122	34AH	12.0	5.45	25.3	641	D
E43114	—	927.2	24/13	1.108	7734.122	9300	5134.122	34AH	12.0	5.45	25.3	641	D
E43114	—	927.2	30/7	1.108	7734.122	9300	5134.122	34AH	12.0	5.45	25.3	641	D
E43114	—	1024.5	18/19	1.165	7734.122	9300	5134.122	34AH	12.0	5.45	25.3	641	D
E43114	—	1024.5	24/13	1.165	7734.122	9300	5134.122	34AH	12.0	5.45	25.3	641	D
E43114	—	1024.5	30/7	1.165	7734.122	9300	5134.122	34AH	12.0	5.45	25.3	641	D
E43115	—	1080.6	18/19	1.196	7734.128	9400	5134.128	34AH	12.9	5.85	27.0	686	D
E43115	—	1080.6	24/13	1.196	7734.128	9400	5134.128	34AH	12.9	5.85	27.0	686	D
E43115	—	1080.6	30/7	1.196	7734.128	9400	5134.128	34AH	12.9	5.85	27.0	686	D
E43115	—	1108.6	24/13	1.212	7734.128	9400	5134.128	34AH	12.9	5.85	27.0	686	D
E43115	—	1172.3	18/19	1.246	7734.128	9400	5134.128	34AH	12.9	5.85	27.0	686	D
E43115	—	1172.3	24/13	1.246	7734.128	9400	5134.128	34AH	12.9	5.85	27.0	686	D
E43116	—	649.5	18/19	0.928	7727.100C	9300	5127.100	27AH	8.3	3.76	23.3	592	D
E43116	—	649.5	24/13	0.928	7727.100C	9300	5127.100	27AH	8.3	3.76	23.3	592	D
E43116	—	649.5	30/7	0.928	7727.100C	9300	5127.100	27AH	8.3	3.76	23.3	592	D
E43117	—	853.7	24/13	1.063	7730.116	9300	5130.116	30AH	9.1	4.13	21.6	548	D
E43117	—	853.7	30/7	1.063	7730.116	9300	5130.116	30AH	9.1	6.13	21.6	548	D
E43117	—	853.7	18/19	1.063	7730.116	9300	5130.116	30AH	9.1	6.13	21.6	548	D

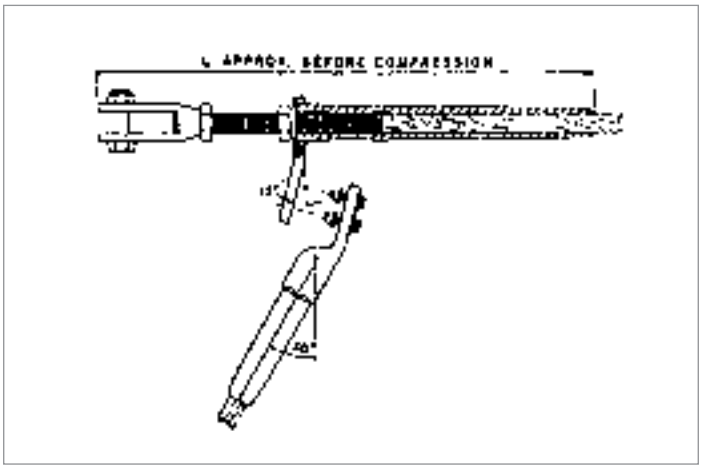
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Compression Dead Ends—43100 Series for AAAC and ACAR Conductors, Eye Type, Double Tongue (cont.)

DEAD END ASSEMBLY CATALOG NUMBER	CONDUCTOR				ALUMINUM BODY DOUBLE TONGUE	STEEL EYE	15° TERMINAL CONNECTOR	DIE SIZE	TOTAL WEIGHT		DIMENSION L		PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.				ALUM. HEX DIES	LBS	KG	IN	MM	
		KCMIL	AL	IN									
E43118	—	1534.0	42/19	1.427	7738.150	E9600	5138.150	38AH	15.3	6.49	24.3	617	D
E43118	—	1534.0	54/7	1.427	7738.150	E9600	5138.150	38AH	15.3	6.49	24.3	617	D
E43119	—	1700.0	42/19	1.502	7740.162	E9600	5140.162	40AH	18.3	8.30	24.3	617	D
E43119	—	1700.0	54/7	1.502	7741.162	E9600	5140.162	40AH	18.3	8.30	24.3	617	E
E43120	—	2303.5	54/37	1.750	7748.184	E9800	5148.184	48AH	27.1	12.29	27.3	694	E
E43120	—	2303.5	63/28	1.750	7748.184	E9800	5148.184	48AH	27.1	12.29	27.3	694	E
E43120	—	2338.0	42/19	1.762	7748.184	E9800	5148.184	48AH	27.1	12.29	27.3	694	E
E43120	—	2303.5	—	1.750	7748.184	E9800	5148.184	48AH	27.1	12.29	27.3	694	E
E43120	—	2303.5	—	1.750	7748.184	E9800	5148.184	48AH	27.1	12.29	27.3	694	E
E43120	—	2338.0	—	1.762	7748.184	E9800	5148.184	48AH	27.1	12.29	27.3	694	E
E43122	—	1691.0	—	1.498	7744.159	E9700	5144.159	44AH	23.6	10.71	25.6	649	E
E43122	—	1691.0	—	1.498	7744.159	E9700	5144.159	44AH	23.6	10.71	25.6	649	E
E43123	—	1127.0	42/19	1.222	7738.138	E9500	5138.138	38AH	15.5	7.03	23.9	607	D

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Compression Dead Ends—43400 Series for AAAC and ACAR Conductors, Adjustable Clevis Type, Single Tongue



The 43400 Series Adjustable Clevis Dead End Assembly is specifically designed for AAAC and ACAR conductors. The aluminum body of the dead end is fabricated from AFL seamless drawn aluminum. The tongue and terminal pad are constructed with a 15° angle, which permits the terminal connector to be bolted in the straight of 30° position.

All dead ends are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor on which they are used. Each dead end assembly comes with a dead end body, adjustable steel clevis, 15° terminal and aluminum hardware.

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. Corona bolts are furnished as standard on 15° terminals for these section sizes.

The square edges of bolted pads on compression accessories could cause Corona in environments greater than or equal to 345 kV. Pads with edges and corners rounded can be supplied by adding the catalog suffix "EHV".

Ordering Instructions

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector
For an assembly without a terminal connector, use 'NT'.
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'.
For Standard Finish, leave blank.

Step 4: Assemble Catalog Number.

Assy Catalog Number	+	Terminal Connector	+	EHV Finish

Example:
For 394.5 Canton conductor with no terminal, the complete catalog number is:

C43408NT

Notes:
1. Adjustable Clevis Dimensions are on page 120.
2. Pad Dimensions are on page 117.
3. AFL Filler Compound (AFC) Requirements are on page 115.
4. Installation Instructions for Dead Ends are on page 133.
5. Installation Instructions for Terminals are on page 131.

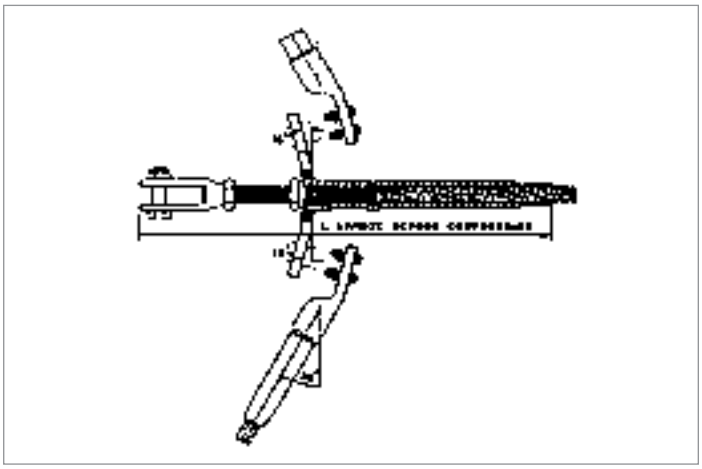
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Compression Dead Ends—43400 Series for AAAC and ACAR Conductors, Adjustable Clevis Type, Single Tongue (cont.)

DEAD END ASSEMBLY CATALOG NUMBER	CONDUCTOR				ALUMINUM BODY SINGLE TONGUE	ADJUSTABLE STEEL CLEVIS	15° TERMINAL CONNECTOR	DIE SIZE	TOTAL WEIGHT		DIMENSION L		PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.				ALUMINUM HEX DIES					
		KCMIL	AL	IN					LBS	KG	IN	MM	
C43408	Canton	394.5	19	0.721	7624.781C	C6100	5124.781	24AH	8.2	3.58	27.1	687	B
C43409	Cairo	465.4	19	0.783	7624.875	C6100	5124.875	24AH	8.0	3.49	28.4	721	B
C43409	—	503.6	15/4	0.814	7624.875	C6100	5124.875	24AH	8.0	3.49	28.4	721	B
C43410	Darien	559.5	19	0.858	7627.906C	C6200	5127.906	27AH	10.6	4.54	30.0	762	D
C43412	—	634.9	12/7	0.914	7627.100	C6200	5127.100	27AH	9.9	4.45	30.2	768	D
C43416	—	649.5	18/19	0.928	7627.100C	C6200	5127.100	27AH	10.5	4.45	30.2	768	D
C43416	—	649.5	24/13	0.928	7627.100C	C6200	5127.100	27AH	10.5	4.45	30.2	768	D
C43416	—	649.5	30/7	0.928	7627.100C	C6200	5127.100	27AH	10.5	4.45	30.2	768	D
C43413	Elgin	652.4	19	0.927	7630.109C	C6300	5130.109	30AH	16.2	6.89	33.2	846	D
C43412	—	657.3	15/4	0.930	7627.100	C6200	5127.100	27AH	11.6	4.45	30.2	768	D
C43417	—	853.7	18/19	1.063	7630.116	C6300	5130.116	30AH	15.4	6.53	30.6	776	D
C43417	—	853.7	24/13	1.063	7630.116	C6300	5130.116	30AH	15.4	6.53	30.6	776	D
C43417	—	853.7	30/7	1.063	7630.116	C6300	5130.116	30AH	15.4	6.53	30.6	776	D
C43414	—	927.2	18/19	1.106	7634.122C	C6400	5134.122	34AH	19.1	8.26	34.6	878	D
C43414	—	927.2	24/13	1.106	7634.122C	C6400	5134.122	34AH	19.1	8.26	34.6	878	D
C43414	—	927.2	30/7	1.106	7634.122C	C6400	5134.122	34AH	19.1	8.26	34.6	878	D
C43414	—	1024.5	18/19	1.165	7634.122C	C6400	5134.122	34AH	18.1	8.26	34.6	878	D
C43414	—	1024.5	24/13	1.165	7634.122C	C6400	5134.122	34AH	18.1	8.26	34.6	878	D
C43414	—	1024.5	30/7	1.165	7634.122C	C6400	5134.122	34AH	18.1	8.26	34.6	878	D
C43415	—	1080.6	18/19	1.196	7634.128	C6400	5134.128	34AH	19.3	8.35	36.2	919	D
C43415	—	1080.6	24/13	1.196	7634.128	C6400	5134.128	34AH	19.3	8.35	36.2	919	D
C43415	—	1080.6	30/7	1.196	7634.128	C6400	5134.128	34AH	19.3	8.35	36.2	919	D
C43415	—	1108.6	24/13	1.212	7634.128	C6400	5134.128	34AH	20.1	8.35	36.2	919	D
C43415	—	1172.3	18/19	1.246	7634.128	C6400	5134.128	34AH	16.9	8.35	36.2	919	D
C43415	—	1172.3	24/13	1.246	7634.128	C6400	5134.128	34AH	16.9	8.35	36.2	919	D
C43418	—	1534.0	42/19	1.427	7638.150	C6500	5138.150	38AH	17.3	9.03	33.4	848	D
C43418	—	1534.0	54/7	1.427	7638.150	C6500	5138.150	38AH	17.3	9.03	33.4	848	D
C43419	—	1700.0	42/19	1.502	7640.162	C6600	5140.162	40AH	22.7	11.84	35.9	913	E
C43419	—	1700.0	54/7	1.502	7640.162	C6600	5140.162	40AH	22.7	11.84	35.9	913	E

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Compression Dead Ends—43500 Series for AAAC and ACAR Conductors, Adjustable Clevis Type, Double Tongue



The 43500 Series Adjustable Clevis Dead End assembly is specifically designed for AAAC and ACAR conductors. The aluminum body of the dead end is fabricated from AFL seamless drawn aluminum. The tongue and terminal pad are constructed with a 15° angle, which permits the terminal connector to be bolted in the straight of 30° position.

All dead ends are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor on which they are used. Each dead end assembly comes with a dead end body, adjustable steel clevis, two 15° terminals and aluminum hardware.

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. Corona bolts are furnished as standard on 15° terminals for these section sizes.

The square edges of bolted pads on compression accessories could cause Corona in environments greater than or equal to 345 kV. Pads with edges and corners rounded can be supplied by adding the catalog suffix "EHV".

Ordering Instructions

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector
For an assembly without a terminal connector, use 'NT'.
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'.
For Standard Finish, leave blank.

Step 4: Assemble Catalog Number.

Assy Catalog Number + **Terminal Connector** + **EHV Finish**

Example:
For 652.4 Elgin conductor with no terminal and EHV finish, the complete catalog number is:

C43513NTEHV

Notes:
1. Adjustable Clevis Dimensions are on page 120.
2. Pad Dimensions are on page 117.
3. AFL Filler Compound (AFC) Requirements are on page 115.
4. Installation Instructions for Dead Ends are on page 133.
5. Installation Instructions for Terminals are on page 131.

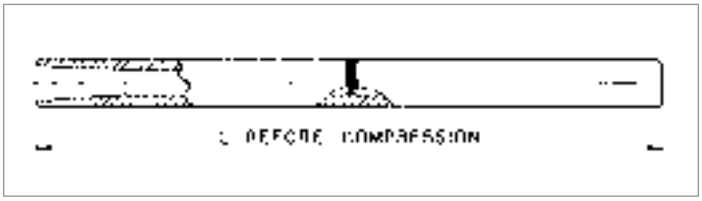
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Compression Dead Ends—43500 Series for AAAC and ACAR Conductors, Adjustable Clevis Type, Double Tongue (cont.)

DEAD END ASSEMBLY CATALOG NUMBER	CONDUCTOR				ALUMINUM BODY DOUBLE TONGUE	ADJUSTABLE STEEL CLEVIS	15° TERMINAL CONNECTOR	DIE SIZE	TOTAL WEIGHT		DIMENSION L		PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.				ALUMINUM HEX DIES					
		KCMIL	AL	IN					LBS	KG	IN	MM	
C43508	Canton	394.5	19	0.721	7724.781C	C6100	5124.781	24AH	8.7	3.81	27.1	687	B
C43509	Cairo	465.4	19	0.783	7724.875	C6100	5124.875	24AH	8.5	3.72	28.4	721	B
C43509	—	503.6	15/4	0.814	7724.875	C6100	5124.875	24AH	8.5	3.72	28.4	721	B
C43510	Darien	559.5	19	0.858	7727.906C	C6200	5127.906	27AH	11.1	4.76	30.0	762	D
C43512	—	634.9	12/7	0.914	7727.100	C6200	5127.100	27AH	10.3	4.67	30.2	768	D
C43516	—	649.5	18/19	0.928	7727.100C	C6200	5127.100	27AH	11.0	4.67	30.3	768	D
C43516	—	649.5	24/13	0.928	7727.100C	C6200	5127.100	27AH	11.0	4.67	30.3	768	D
C43516	—	649.5	30/7	0.928	7727.100C	C6200	5127.100	27AH	11.0	4.67	30.3	768	D
C43513	Elgin	652.4	19	0.927	7730.109C	C6300	5130.109	30AH	16.4	6.98	33.3	846	D
C43512	—	657.3	15/4	0.930	7727.100	C6200	5127.100	27AH	12.1	4.67	30.3	768	D
C43517	—	853.7	18/19	1.063	7730.116	C6300	5130.116	30AH	15.6	6.62	30.6	776	D
C43517	—	853.7	24/13	1.063	7730.116	C6300	5130.116	30AH	15.6	6.62	30.6	776	D
C43517	—	853.7	30/7	1.063	7730.116	C6300	5130.116	30AH	15.6	6.62	30.6	776	D
C43514	—	927.2	18/19	1.106	7734.122C	C6400	5134.122	34AH	18.2	8.31	34.6	878	D
C43514	—	927.2	24/13	1.106	7734.122C	C6400	5134.122	34AH	18.2	8.31	34.6	878	D
C43514	—	927.2	30/7	1.106	7734.122C	C6400	5134.122	34AH	18.2	8.31	34.6	878	D
C43514	—	1024.5	18/19	1.165	7734.122C	C6400	5134.122	34AH	18.2	8.31	34.6	878	D
C43514	—	1024.5	24/13	1.165	7734.122C	C6400	5134.122	34AH	18.2	8.31	34.6	878	D
C43514	—	1024.5	30/7	1.165	7734.122C	C6400	5134.122	34AH	18.2	8.31	34.6	878	D
C43515	—	1080.6	18/19	1.196	7734.128	C6400	5134.128	34AH	19.4	8.39	36.2	919	D
C43515	—	1080.6	24/13	1.196	7734.128	C6400	5134.128	34AH	19.4	8.39	36.2	919	D
C43515	—	1080.6	30/7	1.196	7734.128	C6400	5134.128	34AH	19.4	8.39	36.2	919	D
C43515	—	1108.6	24/13	1.212	7734.128	C6400	5134.128	34AH	20.2	8.39	36.2	919	D
C43515	—	1172.3	18/19	1.246	7734.128	C6400	5134.128	34AH	20.2	8.39	36.2	919	D
C43515	—	1172.3	24/13	1.246	7734.128	C6400	5134.128	34AH	20.2	8.39	36.2	919	D
C43515	—	1534.0	42/19	1.427	7734.128	C6400	5134.128	34AH	17.0	8.39	36.2	919	D
C43518	—	1534.0	54/7	1.427	7738.150	C6500	5138.150	38AH	17.4	9.08	33.4	848	D
C43518	—	1700.0	42/19	1.502	7738.150	C6500	5138.150	38AH	17.4	9.08	33.4	848	D
C43519	—	1700.0	54/7	1.502	7740.162	C6600	5140.162	40AH	24.5	12.66	35.9	913	E

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Compression Joints – Jiffy Joints—7500 Series for AAAC and ACAR Conductors



The 7500 Series Compression Joint (Jiffy Joint) is designed for AAAC and ACAR conductors. The aluminum body is fabricated from AFL seamless drawn aluminum. The compression joint is a single piece unit without a steel sleeve and comes prefilled with AFL Filler Compound (AFC).

All compression joints are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor on which they are 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: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

For 312.8 Butte conductor, the complete catalog number is:

7514.719

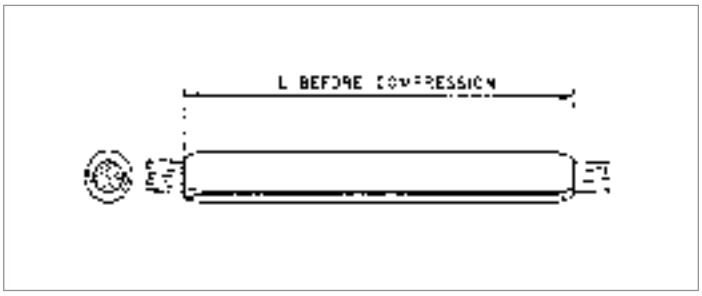
JOINT CATALOG NUMBER	CONDUCTOR			DIE SIZE	WEIGHT		COLOR CODE	DIMENSION L	
	CODE NAME	SIZE	DIA.	ALUMINUM HEX DIES					
		KCMIL	IN		LBS	KG		IN	MM
7506.250	Akron	30.58	0.198	06AH	0.2	0.08	Blue	10.5	267
7506.298	Alton	48.69	0.250	06AH	0.2	0.08	Orange	12.0	305
7509.375	Ames	77.47	0.316	09AH	0.3	0.15	Red	12.0	305
7511.453	Azuza	123.3	0.398	11AH	0.6	0.28	Yellow	14.0	356
7512.484	Anaheim	155.4	0.447	12AH	0.8	0.37	Gray	14.0	356
7513.542	Amherst	195.7	0.502	13AH	1.1	0.50	Black	14.0	356
7513.625	Alliance	246.9	0.563	13AH	1.1	0.50	Pink	16.0	406
7513.688	—	281.4	0.609	13AH	1.0	0.45	Clear	16.0	406
7514.719	Butte	312.8	0.642	14AH	1.6	0.73	Clear	15.6	395
7514.719	—	355.1	0.684	14AH	1.6	0.73	Clear	15.6	395
7524.781	Canton	394.5	0.721	24AH	2.8	1.27	Clear	19.6	497
7524.781	—	419.6	0.743	24AH	2.8	1.27	Clear	19.6	497
7524.875	Cairo	465.4	0.783	24AH	2.8	1.27	Clear	22.1	560
7524.875	—	503.6	0.814	24AH	2.8	1.27	Clear	22.1	560
7527.906	Darien	559.5	0.858	27AH	3.6	1.63	Clear	24.5	622
7527.906	—	561.1	0.862	27AH	3.6	1.63	Clear	24.5	622
7527.938	—	587.2	0.879	27AH	3.6	1.63	Clear	25.0	635
7530.109	Elgin	652.4	0.927	30AH	4.6	2.09	Clear	27.5	699
7530.109	Flint	740.8	0.991	30AH	4.6	2.09	Clear	27.5	699
7534.122	Greeley	927.2	1.108	34AH	6.2	2.81	Clear	28.5	724

Notes:

1. Joint are prefilled at factory.
2. Installation Instructions for Joints are on page 139.

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Repair Sleeves—5200 Series for AAAC and ACAR Conductors



The 5200 Series Repair Sleeve is designed for AAAC and ACAR conductors. The repair sleeve incorporates an improved design of interlocking extrusions, providing a permanent grip on the conductor when compressed.

The repair sleeve will restore 95% of the rated strength of the conductor with up to one-third of the aluminum strands damaged.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

For 652.4 Elgin conductor, the complete catalog number is:

5224.3

REPAIR SLEEVE AFL NO.	CONDUCTOR				DIE SIZE	WEIGHT		DIMENSION L	
	CODE NAME	SIZE	STRANDING	DIA.	ALUMINUM HEX DIE				
		KCMIL	AL	IN		LBS	KG	IN	MM
5274	—	155.4	4/3	0.447	74AH	0.2	0.10	7.6	175
5274	Anaheim	155.4	7	0.447	74AH	0.2	0.10	7.6	175
5275	—	195.7	4/3	0.502	75AH	0.4	0.18	8.6	217
5275	Amherst	195.7	7	0.502	75AH	0.4	0.18	8.6	217
5275	—	246.9	4/3	0.563	75AH	0.4	0.18	8.6	217
5275	Alliance	246.9	7	0.563	75AH	0.4	0.18	8.6	217
5276	Butte	312.8	19	0.642	76AH	0.7	0.30	10.0	254
5220.3	Canton	394.5	19	0.721	20AH	1.0	0.45	14.5	368
5220.3	Cairo	465.4	19	0.783	20AH	1.0	0.45	14.5	368
5220.3	—	503.6	15/4	0.814	20AH	1.0	0.45	14.5	368
5224.3	Darlen	559.5	19	0.858	24AH	1.7	0.77	15.5	394
5224.3	—	634.9	12/7	0.914	24AH	1.7	0.77	15.5	394
5224.3	—	649.5	18/19	0.928	24AH	1.7	0.77	15.5	394
5224.3	—	649.5	24/13	0.928	24AH	1.7	0.77	15.5	394
5224.3	—	649.5	30/7	0.928	24AH	1.7	0.77	15.5	394
5224.3	Elgin	652.4	19	0.927	24AH	1.7	0.77	15.5	394

Notes:

1. AFL Filler Compound (AFC) Requirements are on page 115.
2. Installation Instructions for Repair Sleeves are on page 142.

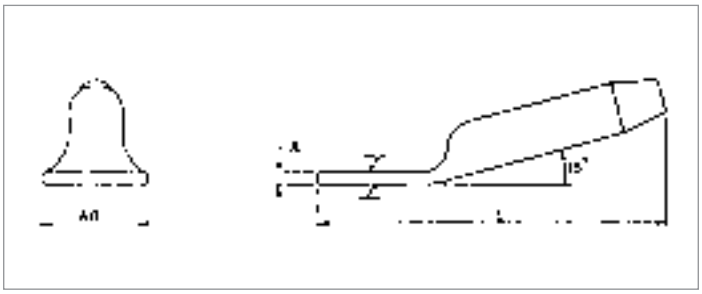
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Repair Sleeves—5200 Series for AAAC and ACAR Conductors (cont.)

REPAIR SLEEVE AFL NO.	CONDUCTOR				DIE SIZE	WEIGHT		DIMENSION L	
	CODE NAME	SIZE	STRANDING	DIA.	ALUMINUM HEX DIE				
		KCMIL	AL	IN		LBS	KG	IN	MM
5224.3	—	657.3	15/4	0.930	24AH	1.7	0.77	15.5	394
5227.3	Flint	740.8	37	0.991	27AH	2.6	1.18	18.3	464
5230.3	—	853.7	18/19	1.063	30AH	3.0	1.36	19.1	486
5230.3	—	853.7	24/13	1.063	30AH	3.0	1.36	19.1	486
5230.3	—	853.7	30/7	1.063	30AH	3.0	1.36	19.1	486
5230.3	Greeley	927.2	37	1.108	30AH	3.0	1.36	19.1	486
5230.3	—	927.2	18/19	1.108	30AH	3.0	1.36	19.1	486
5230.3	—	927.2	24/13	1.108	30AH	3.0	1.36	19.1	486
5230.3	—	927.2	30/7	1.108	30AH	3.0	1.36	19.1	486
5230.3	—	1024.5	18/19	1.165	30AH	3.0	1.36	19.1	486
5230.3	—	1024.5	24/13	1.165	30AH	3.0	1.36	19.1	486
5230.3	—	1024.5	30/7	1.165	30AH	3.0	1.36	19.1	486
5230.3	—	1080.6	18/19	1.196	30AH	3.0	1.36	19.1	486
5230.3	—	1080.6	24/13	1.196	30AH	3.0	1.36	19.1	486
5230.3	—	1080.6	30/7	1.196	30AH	3.0	1.36	19.1	486
5234.3	—	1108.6	24/13	1.212	34AH	4.2	1.91	20.1	511
5234.3	—	1172.3	18/19	1.246	34AH	4.2	1.91	20.1	511
5234.3	—	1172.3	24/13	1.246	34AH	4.2	1.91	20.1	511
5234.3	—	1127.0	42/19	1.222	34AH	4.2	1.91	20.1	511
5238.3	—	1534.0	42/19	1.427	38AH	5.2	2.36	21.9	556
5238.3	—	1534.0	54/7	1.427	38AH	5.2	2.36	21.9	556
5240.3	—	1700.0	42/19	1.502	40AH	6.1	2.77	22.8	578
5240.3	—	1700.0	54/7	1.502	40AH	6.1	2.77	22.8	578
5240.3	—	1691.0		1.498	40AH	6.1	2.77	22.8	578
5244.3	—	2303.5	54/37	1.750	44AH	8.7	3.95	24.5	622
5244.3	—	2303.5	63/28	1.750	44AH	8.7	3.95	24.5	622
5244.3	—	2338.0	42/19	1.762	44AH	8.7	3.95	24.5	622

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Terminal Connectors—5100 Series for AAAC and ACAR Conductors, 15°



The 5100 Series 15° Terminal Connector is designed for AAAC and ACAR conductors. The terminal connector is fabricated from AFL seamless drawn aluminum.

When used with the dead end, the 15° terminal connector can be bolted in either the straight or 30° position. All terminal 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. Aluminum hardware is supplied with the 15° terminal connector.

Ordering Instructions

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'.
For Standard Finish, leave blank.

Step 3: Assemble Catalog Number.

Assy Catalog Number + **EHV Finish**

Example:
For 927.2 Greeley conductor with an EHV finish, the complete catalog number is:

5134.122EHV

TERMINAL CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSIONS						PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.				L		A		AB		
		KCMIL		IN		LBS	KG	IN	MM	IN	MM	IN	MM	
5112.484	—	155.4	4/3	0.447	12AH	0.7	0.32	9.6	244	0.5	13	1.0	25	B
5112.484	Anaheim	155.4	7	0.447	12AH	0.7	0.32	9.6	244	0.5	13	1.0	25	B
5113.542	—	195.7	4/3	0.502	13AH	0.9	0.40	10.8	273	0.5	13	1.3	32	B
5113.542	Amherst	195.7	7	0.502	13AH	0.9	0.40	10.8	273	0.5	13	1.3	32	B
5113.625	—	246.9	4/3	0.563	13AH	0.9	0.39	11.2	284	0.4	11	1.3	32	B
5113.625	Alliance	246.9	7	0.563	13AH	0.9	0.39	11.2	284	0.4	11	1.3	32	B
5114.719	Butte	312.8	19	0.642	14AH	1.0	0.45	10.8	275	0.5	12	1.3	32	B
5124.781	Canton	394.5	19	0.721	24AH	1.8	0.82	12.4	314	0.7	18	1.5	38	B
5124.875	Cairo	465.4	19	0.783	24AH	1.6	0.73	12.6	319	0.6	16	1.5	38	B
5124.875	—	503.6	15/4	0.814	24AH	1.6	0.73	12.6	319	0.6	16	1.5	38	B

Notes:
1. Pad Dimensions are on page 117.
2. AFL Filler Compound (AFC) Requirements are on page 115.
3. Installation Instructions for Terminals are on page 131.
4. Supplied with aluminum hardware.

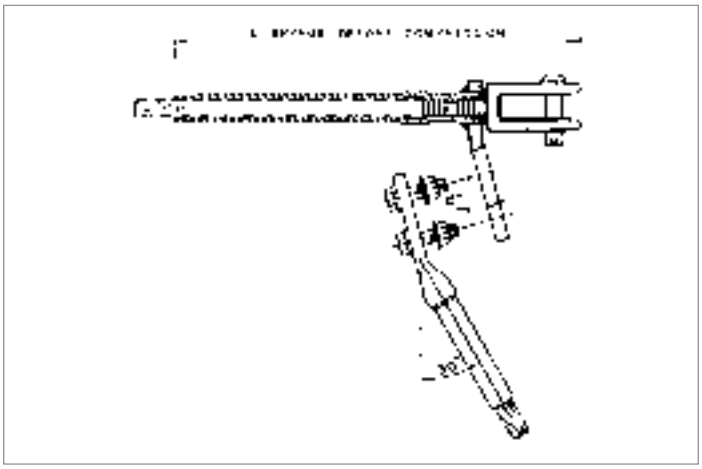
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Terminal Connectors—5100 Series for AAAC and ACAR Conductors, 15°
(cont.)

TERMINAL CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSIONS						PAD SIZE
	CODE WORD	SIZE	STRANDING	DIA.				L		A		AB		
		KCMIL		IN		LBS	KG	IN	MM	IN	MM	IN	MM	
5127.906	Darien	559.5	19	0.858	27AH	2.1	0.95	12.3	313	0.4	10	3.0	76	D
5127.100	—	634.9	12/7	0.914	27AH	1.9	0.86	12.3	313	0.4	10	3.0	76	D
5127.100	—	649.5	18/19	0.928	27AH	1.9	0.86	12.3	313	0.4	10	3.0	76	D
5127.100	—	649.5	24/13	0.928	27AH	1.9	0.86	12.3	313	0.4	10	3.0	76	D
5127.100	—	649.5	30/7	0.928	27AH	1.9	0.86	12.3	313	0.4	10	3.0	76	D
5130.109	Elgin	652.4	19	0.927	30AH	2.7	1.23	13.6	346	0.5	13	3.0	76	D
5127.100	—	657.3	15/4	0.930	27AH	1.9	0.86	12.3	313	0.4	10	3.0	76	D
5130.109	Flint	740.8	37	0.991	30AH	2.7	1.23	13.6	346	0.5	13	3.0	76	D
5130.116	—	853.7	18/19	1.063	30AH	2.6	1.18	13.9	354	0.5	12	3.0	76	D
5130.116	—	853.7	24/13	1.063	30AH	2.6	1.18	13.9	354	0.5	12	3.0	76	D
5130.116	—	853.7	30/7	1.063	30AH	2.6	1.18	13.9	354	0.5	12	3.0	76	D
5134.122	Greeley	927.2	37	1.108	34AH	3.7	1.68	14.1	359	0.7	18	3.0	76	D
5134.122	—	927.2	18/19	1.108	34AH	3.7	1.68	14.1	359	0.7	18	3.0	76	D
5134.122	—	927.2	24/13	1.108	34AH	3.7	1.68	14.1	359	0.7	18	3.0	76	D
5134.122	—	927.2	30/7	1.108	34AH	3.7	1.68	14.1	359	0.7	18	3.0	76	D
5134.122	—	1024.5	18/19	1.165	34AH	3.7	1.68	14.1	359	0.7	18	3.0	76	D
5134.122	—	1024.5	24/13	1.165	34AH	3.7	1.68	14.1	359	0.7	18	3.0	76	D
5134.122	—	1024.5	30/7	1.165	34AH	3.7	1.68	14.1	359	0.7	18	3.0	76	D
5134.128	—	1080.6	18/19	1.196	34AH	3.6	1.64	14.3	363	0.6	16	3.0	76	D
5134.128	—	1080.6	24/13	1.196	34AH	3.6	1.64	14.3	363	0.6	16	3.0	76	D
5134.128	—	1080.6	30/7	1.196	34AH	3.6	1.64	14.3	363	0.6	16	3.0	76	D
5138.138	—	1127.0	42/19	1.222	34AH	3.4	1.55	14.6	370	0.6	15	3.0	76	D
5134.128	—	1172.3	18/19	1.246	34AH	3.6	1.64	14.3	363	0.6	16	3.0	76	D
5134.128	—	1172.3	24/13	1.246	34AH	3.6	1.64	14.3	363	0.6	16	3.0	76	D
5134.128	—	1180.6	24/13	1.212	34AH	3.6	1.64	14.3	363	0.6	16	3.0	76	D
5138.150	—	1534.0	42/19	1.427	38AH	4.5	2.05	15.8	400	0.8	20	3.0	76	D
5138.150	—	1534.0	54/7	1.427	38AH	4.5	2.05	15.8	400	0.8	20	3.0	76	D
5144.159	—	1691.0	--	1.498	44AH	7.4	3.36	18.0	457	0.8	20	4.0	102	E
5140.162	—	1700.0	42/19	1.502	40AH	5.3	2.41	17.4	443	0.7	18	4.0	102	E
5140.162	—	1700.0	54/7	1.502	40AH	5.3	2.41	17.4	443	0.7	18	4.0	102	E
5148.184	—	2303.5	54/37	1.750	48AH	9.0	4.09	20.0	508	0.9	22	4.0	102	E
5148.184	—	2303.5	63/28	1.750	48AH	9.0	4.09	20.0	508	0.9	22	4.0	102	E
5148.184	—	2338.0	42/19	1.762	48AH	9.0	4.09	20.0	508	0.9	22	4.0	102	E

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Compression Dead Ends—33200 Series for AWAC Conductor, Clevis Type, Single Tongue



The 33200 Series Dead End Assembly is specifically designed for AWAC conductors. The aluminum body of the dead end is fabricated from AFL seamless drawn aluminum. The tongue and terminal pad are constructed with a 15º angle, which permits the terminal connector to be bolted in the straight or 30º position.

All dead ends are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor on which they are used. Each dead end assembly comes with a dead end body, steel clevis, 15º terminal and aluminum hardware.

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. Corona bolts are furnished as standard on 15º terminals for these section sizes.

The square edges of bolted pads on compression accessories could cause Corona in environments greater than or equal to 345 kV. Pads with edges and corners rounded can be supplied by adding the catalog suffix "EHV".

Ordering Instructions

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector
For an assembly without a terminal connector, use 'NT'.
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'.
For Standard Finish, leave blank.

Step 4: Assemble Catalog Number.

Assy Catalog Number + **Terminal Connector** + **EHV Finish**

Example:
For 1/0 6/1 conductor with no terminal, the complete catalog number is:

C33210NT

Notes:
1. Clevis Dimensions are on page 120.
2. Pad Dimensions are on page 117.
3. AFL Filler Compound (AFC) Requirements are on page 115.
4. Installation Instructions for Dead Ends are on page 133.
5. Installation Instructions for Terminals are on page 131.

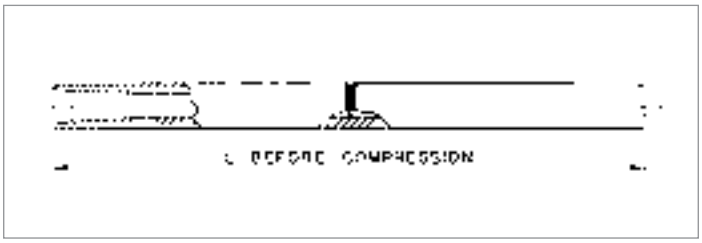
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Compression Dead Ends—33200 Series for AWAC Conductor, Clevis Type, Single Tongue (cont.)

DEAD END ASSEMBLY CATALOG NUMBER	CONDUCTOR			ALUMINUM BODY SINGLE TONGUE	STEEL CLEVIS	15° TERMINAL CONNECTOR	DIE SIZE	TOTAL WEIGHT		DIMENSION L		PAD SIZE
	SIZE	STRANDING	DIA.				ALUMINUM HEX DIES	LBS	KG	IN	MM	
	KCMIL	AL/AW	IN									
C33210	1/0	6/1	0.390	8611.453	A100X	5111.453	11AH	2.09	0.94	14.12	359	B
C33211	1/0	5/2	0.416	8612.516	A100X	5112.516	12AH	2.53	1.15	14.12	359	B
C33212	1/0	4/3	0.447	8613.531	A102X	5113.531	13AH	3.79	1.72	15.38	391	B
C31213	2/0	6/1	0.438	8612.484	A100X	5112.484	12AH	2.55	1.16	14.12	359	B
C33214	2/0	5/2	0.467	8613.542	A102X	5113.542	13AH	3.78	1.72	15.38	391	B
C33215	2/0	4/3	0.502	8676.594	A102X	5176.594	76AH	4.05	1.84	17.38	441	B
C33216	4/0	6/1	0.552	8613.625	A102X	5113.625	13AH	3.66	1.66	15.38	391	B
C33217	4/0	15/4	0.575	8676.656	A102X	5176.656	76AH	3.91	1.78	17.38	441	B
C33218	336.4	18/1	0.679	8676.719	A101X	5176.719	76AH	3.57	1.61	17.38	441	B

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Compression Joints—7500 and 8500 Series for AWAC Conductors



The 7500 and 8500 Series Compression Joints are specifically designed for AWAC conductors. The aluminum joint is fabricated from AFL seamless drawn aluminum.

All compression joints are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor on which they are 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: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

For 336.4 18/1 AWAC, the complete catalog number is:

8576.719

JOINT CATALOG NUMBER	CONDUCTOR			DIE SIZE	WEIGHT		COLOR CODE	DIMENSION L	
	SIZE	STRANDING	DIA. IN	ALUMINUM HEX DIES	LBS	KG		IN	MM
7500 SERIES									
7506.298	4	6/1	0.245	06AH	0.2	0.08	Orange	12.0	305
7509.375	2	6/1	0.309	09AH	0.3	0.15	Red	12.0	305
7511.453	1/0	6/1	0.390	11AH	0.6	0.28	Yellow	14.0	356
7512.484	2/0	6/1	0.438	12AH	0.8	0.37	Gray	14.0	356
7513.625	4/0	6/1	0.552	13AH	1.0	0.45	Pink	16.0	406
8500 SERIES									
8508.312	4	5/2	0.261	08AH	0.2	0.10	Red	9.4	238
8510.344	4	4/3	0.281	10AH	0.5	0.23	Red	12.3	313
8510.438	2	5/2	0.330	10AH	0.4	0.20	Red	12.3	313
8511.438	2	4/3	0.355	11AH	0.6	0.27	Yellow	13.0	330
8512.516	1/0	5/2	0.416	12AH	0.7	0.32	Clear	12.8	324
8513.531	1/0	4/3	0.447	13AH	1.3	0.59	Clear	16.8	425
8513.542	2/0	5/2	0.467	13AH	1.3	0.59	Clear	16.8	425
8576.594	2/0	4/3	0.502	76AH	1.7	0.77	Clear	20.5	521
8576.656	4/0	15/4	0.575	76AH	1.6	0.73	Clear	20.5	521
8576.719	336.4m	18/1	0.679	76AH	1.4	0.64	Clear	20.5	521

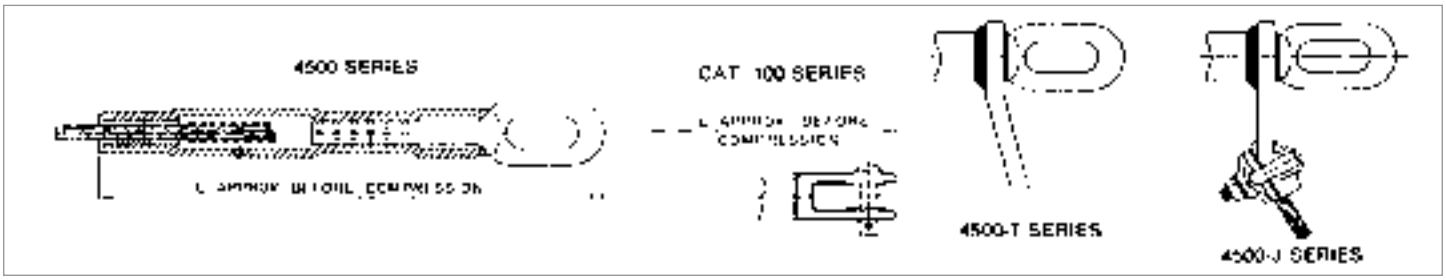
Notes:

1. Joints are lined with compound
2. Installation Instructions for Joints are on page 140.

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Compression Dead Ends—4500 Series for Alumoweld® and Steel Ground Wire, Eye or Clevis Type, Single Tongue



DEAD END ASSEMBLY CATALOG NUMBER	CONDUCTOR			STEEL DEAD END		DIM. L		JUMPER RANGE J SERIES		DIE SIZE		WEIGHT												TERMINAL CONNECTOR CATALOG NUMBER
												4500 SERIES				4500-T SERIES				4500-J SERIES				
												ALUM.		TOTAL		ALUM.		TOTAL		ALUM.		TOTAL		
	SIZE	STRANDING	DIA. IN	STEEL EYE	STEEL CLEVIS	IN	MM	IN	MM	ALUM. HEX DIES	STEEL HEX DIES	LBS	KG	LBS	KG	LBS	KG	LBS	KG	LBS	KG	LBS	KG	
ALUMOWELD STRAND																								
E4514.35	3 No. 5	3	0.392	9314.406	—	18.3	465	.312-.625	7.9-15.9	27AH	14SH	1.9	0.86	4.9	2.22	2.3	1.04	5.3	2.4	3.0	1.36	6.0	2.72	5174.438
E4512.36	3 No. 6	3	0.349	9112.377	—	16.9	429	.312-.625	7.9-15.9	20AH	12SH	0.8	0.36	2.5	1.13	1.3	0.59	3.0	1.36	2.0	0.91	3.7	1.68	5109.375
E4510.37	3 No. 7	3	0.311	9110.332	—	16.9	429	.312-.625	7.9-15.9	20AH	10SH	0.9	0.41	2.5	1.13	1.3	0.59	2.9	1.32	2.1	0.95	3.7	1.68	5109.344
E4510.38	3 No. 8	3	0.277	9110.295	—	16.9	429	.312-.625	7.9-15.9	20AH	10SH	0.9	0.41	2.5	1.13	1.3	0.59	3.0	1.36	2.1	0.95	3.8	1.72	5106.312
C4576.39	3 No. 9	3	0.247	—	103.26	11.9	302	.162-.327	4.1-8.3	76AH	76SH	0.5	0.23	2.5	1.13	1.0	0.45	3.0	1.36	0.8	0.36	2.1	0.95	5172.281
C4576.310	3 No. 10	3	0.220	—	103.25	11.9	302	.162-.327	4.1-8.3	76AH	76SH	0.5	0.23	2.5	1.13	1.0	0.45	3.0	1.36	0.8	0.36	2.1	0.95	5172.281
E4518.75	7 No. 5	7	0.546	E9718.578	—	19.2	487	.464-.743	11.8-18.9	34AH	18SH	2.6	1.18	7.9	3.58	4.0	1.81	9.2	4.17	3.5	1.59	8.8	3.99	5175.609
E4516.76	7 No. 6	7	0.486	9416.516	—	18.2	462	.312-.625	7.9-15.9	30AH	16SH	2.2	1.00	6.0	2.72	2.6	1.18	6.4	2.9	3.2	1.45	7.0	3.18	5175.547
E4516.77	7 No. 7	7	0.433	9316.453	—	18.3	465	.312-.625	7.9-15.9	27AH	16SH	1.9	0.86	5.0	2.27	2.3	1.04	5.4	2.45	3.0	1.36	8.1	2.77	5174.484
E4514.78	7 No. 8	7	0.385	9314.406	—	18.3	465	.312-.625	7.9-15.9	27AH	14SH	1.9	0.86	5.0	2.27	2.3	1.04	5.4	2.45	3.0	1.36	6.1	2.77	5174.438
E4512.79	7 No. 9	7	0.343	9112.359	—	16.9	429	.312-.625	7.9-15.9	20AH	12SH	0.8	0.36	2.6	1.18	1.3	0.59	3.1	1.41	2.0	0.91	3.8	1.72	5173.391
E4512.710	7 No. 10	7	0.306	9112.332	—	16.9	429	.312-.625	7.9-15.9	20AH	12SH	0.9	0.41	2.6	1.18	1.3	0.59	3.0	1.36	2.1	0.95	3.8	1.72	5106.344
E4518.191	19 No. 10	19	0.509	E9718.546	—	19.9	505	.464-.743	11.8-18.9	34AH	18SH	2.6	1.18	8.1	3.67	4.0	1.81	9.5	4.31	3.5	1.59	9.0	4.08	5175.547
STEEL GROUND WIRE																								
E 4512.10	5/16 EHS GW	7	0.312	9112.332	—	16.9	429	.312-.625	7.9-15.9	20AH	12SH	0.9	0.41	2.5	1.13	1.3	0.59	3.0	1.36	2.1	0.95	3.8	1.72	5173.357
E4514.12	3/8 EHS GW	7	0.360	9214.377	—	18.1	460	.312-.625	7.9-15.9	27AH	14SH	1.9	0.86	4.0	1.81	2.3	1.04	4.4	2.0	3.0	1.36	5.1	2.31	5173.391
E4516.14	7/16 EHS GW	7	0.435	9316.453	—	18.3	465	.312-.625	7.9-15.9	27AH	16SH	1.9	0.86	5.0	2.27	2.3	1.04	5.4	2.45	3.0	1.36	6.1	2.77	5175.547
E4518.16	1/2 EHS GW	7	0.495	E9718.516	—	19.9	505	.464-.743	11.8-18.9	34AH	18SH	2.6	1.18	7.9	3.58	4.0	1.81	9.3	4.22	3.5	1.59	8.8	3.99	5175.547

Ordering Instructions

Select the catalog number based on the conductor being used. Terminals are to ordered separately.

Options

To order a Dead End with a single tongue, put a "T" at the end of the catalog number. **EXAMPLE: E4516.77T**

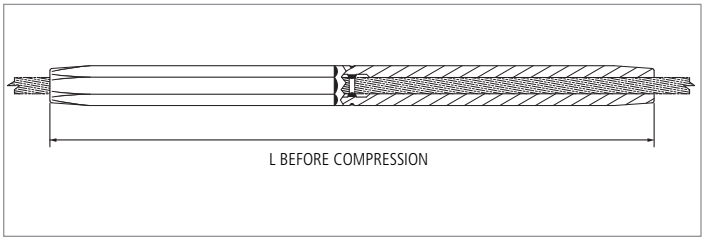
To order a Dead End with a bolted jumper, put a "J" at the end of the catalog number. **EXAMPLE: E4516.77J**

Notes:

1. Eye and Clevis Dimensions are on page 119.
2. Pad Dimensions are on page 117.
3. AFL Filler Compound (AFC) Requirements are on page 115.
4. Installation Instructions for Dead Ends are on page 134.
5. Installation Instructions for Terminals are on page 131.
6. The 4500-T Series Dead Ends are supplied with a "B" pad size.

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Compression Joints—4900 Series for Alumoweld® and Steel Ground Wire



The 4900 Series Compression Joint is specifically designed for Alumoweld and steel ground wires. The aluminum joint is fabricated from AFL seamless drawn aluminum. The 4900 series compression joint consists of only an aluminum sleeve and has no steel sleeve.

The 4900 Series compression joints are designed for full tension use, achieving a minimum of 95% of the ASTM rated breaking strength of the conductor on which they are used.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

For 7 No. 7 Alumoweld, the complete catalog number is:

4916.484

Alumoweld Strand:

JOINT CATALOG NUMBER	CONDUCTOR			DIE SIZE	WEIGHT		DIMENSION L	
	SIZE	DIAMETER		STEEL HEX DIES				
		IN	MM		LBS	KG	IN	MM
4910.251	3 No. 10	.220	5.6	10SH	0.1	0.05	7.3	184
4910.281	3 No. 9	.247	6.3	10SH	0.1	0.05	7.3	184
4910.295	3 No. 8	.277	7.0	10SH	0.2	0.09	7.5	191
4910.324	3 No. 7	.311	7.9	10SH	0.2	0.09	8.5	216
4912.351	3 No. 6	.349	8.9	12SH	0.3	0.14	9.0	229
4914.406	3 No. 5	.392	10.0	14SH	0.5	0.23	11.0	279
4912.330	7 No. 10	.306	7.8	12SH	0.49	0.22	9.0	356
4912.359	7 No. 9	.343	8.7	12SH	0.3	0.14	9.0	229
4914.406	7 No. 8	.385	9.8	14SH	0.5	0.23	11.0	279
4916.484	7 No. 7	.433	11.0	16SH	0.6	0.27	11.0	279
4916.531	7 No. 6	.486	12.3	16SH	0.6	0.27	11.0	381
4918.594	7 No. 5	.546	13.9	18SH	0.8	0.36	11.0	381
4918.530	19 No. 10	.509	12.9	18SH	1.3	0.59	11.0	431
4920.625	19 No. 9	.572	14.5	20SH	1.1	0.5	12.0	305

Notes:

1. Joints are lined with a compound made up of 60% silicon carbide and 40% CF-1.
2. Installation Instructions for Joints are on page 140.

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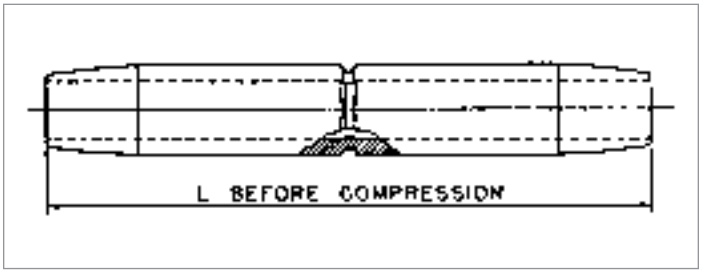
Compression Joints—4900 Series for Alumoweld® and Steel Ground Wire (cont.)

Steel Ground Wire:

JOINT CATALOG NUMBER	CONDUCTOR				DIE SIZE	WEIGHT		DIMENSION L	
	SIZE	STRANDING	DIAMETER		STEEL HEX DIE				
		STEEL	IN	MM		LBS	KG	IN	MM
4912.332	5/16 EHS G.W.	7	0.312	7.9	12SH	0.5	0.22	14.0	356
4914.386	3/8 EHS G.W.	7	0.360	9.1	14SH	0.6	0.28	13.0	330
4916.453	7/16 EHS G.W.	7	0.435	11.0	16SH	0.9	0.42	15.0	381
4918.531	1/2 EHS G.W.	7	0.495	12.6	18SH	1.3	0.59	17.0	431

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Jumper Connectors—5000 Series for Alumoweld® and Steel Ground Wire



The 5000 Series Jumper Connector is designed for Alumoweld® and steel ground wire. 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 Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

For 7 No. 7 Alumoweld, the complete catalog number is:

5074.484

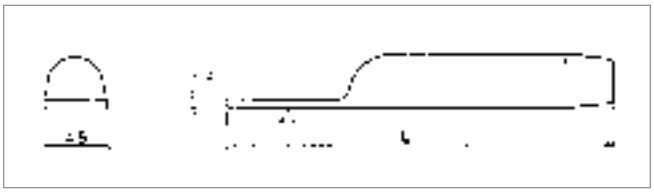
JUMPER CONNECTOR CATALOG NUMBER	CONDUCTOR		DIE SIZE	TOTAL WEIGHT		DIMENSION L	
	SIZE	DIA. IN	ALUMINUM HEX DIE	LBS	KG	IN	MM
ALUMOWELD							
5072.281	3 No. 10	0.220	72AH	0.8	0.04	4.5	114
5072.281	3 No. 9	0.247	72AH	0.8	0.04	4.5	114
5072.312	3 No. 8	0.277	72AH	0.7	0.03	4.5	114
5009.344	3 No. 7	0.311	09AH	0.1	0.05	4.4	111
5009.375	3 No. 6	0.349	09AH	0.1	0.05	4.4	111
5074.438	3 No. 5	0.392	74AH	0.3	0.11	7.0	178
5009.344	7 No. 10	0.306	09AH	0.1	0.05	4.4	111
5073.391	7 No. 9	0.343	73AH	0.1	0.05	6.0	152
5074.438	7 No. 8	0.385	74AH	0.3	0.11	7.0	178
5074.484	7 No. 7	0.433	74AH	0.2	0.10	7.0	178
5075.547	7 No. 6	0.486	75AH	0.4	0.20	8.0	203
5075.609	7 No. 5	0.546	75AH	0.4	0.18	8.0	203
5076.656	19 No. 9	0.572	76AH	0.7	0.31	9.0	229
STEEL GROUND WIRE							
5073.357	5/16-7 Str.	0.312	73AH	0.1	0.05	6.0	152
5074.438	3/8-7 Str.	0.360	74AH	0.3	0.11	7.0	178
5075.547	7/16-7 Str.	0.435	75AH	0.4	0.20	8.0	203
5075.547	1/2-7 Str.	0.495	75AH	0.4	0.20	8.0	203

Notes:

1. AFL Filler Compound (AFC) Requirements are on page 115.
2. Installation Instructions for Jumper Connectors are on page 143.

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Terminal Connectors—5600 Series for Alumoweld® and Steel Ground Wire, Straight



The 5600 Series Straight Terminal Connector is designed for Alumoweld and steel ground wire. The terminal connector is fabricated from AFL seamless drawn aluminum.

When used with the dead end, the straight terminal connector allows drop at a 15° angle. All terminal 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 Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

For 7 No. 7 Alumoweld, the complete catalog number is:

5674.484

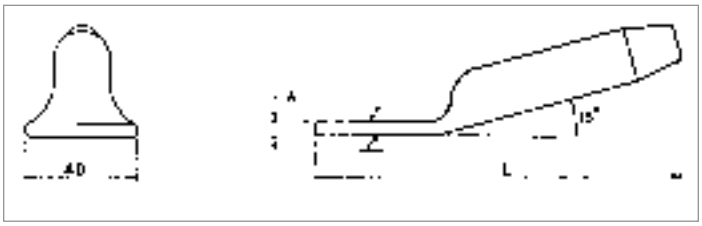
TERMINAL CONNECTOR CATALOG NUMBER	CONDUCTOR		DIE SIZE	TOTAL WEIGHT		DIMENSION						PAD SIZE
	SIZE	DIA. IN	ALUMINUM HEX DIE	LBS	KG	L IN	L MM	A IN	A MM	AB IN	AB MM	
ALUMOWELD												
5672.281	3 No 10	0.220	72AH	0.1	0.06	7.4	189	0.2	5	1.0	25	B
5672.281	3 No 9	0.247	72AH	0.1	0.06	7.4	189	0.2	5	1.0	25	B
5606.312	3 No 8	0.277	06AH	0.3	0.13	7.2	183	0.1	3	1.0	25	B
5609.344	3 No 7	0.311	09AH	0.2	0.09	7.8	197	0.3	7	1.0	25	B
5609.375	3 No 6	0.349	09AH	0.2	0.09	7.8	198	0.3	6	1.0	25	B
5674.438	3 No 5	0.392	74AH	0.3	0.14	8.3	211	0.3	9	1.0	25	B
5606.344	7 No 10	0.306	06AH	0.2	0.09	7.3	185	0.1	3	1.0	25	B
5673.391	7 No 9	0.343	73AH	0.1	0.06	7.6	194	0.2	5	1.0	25	B
5674.438	7 No 8	0.385	74AH	0.3	0.14	8.3	211	0.3	9	1.0	25	B
5674.484	7 No 7	0.433	74AH	0.3	0.12	8.3	211	0.3	8	1.0	25	B
5675.547	7 No 6	0.486	75AH	0.5	0.23	9.5	241	0.5	13	1.0	25	B
5675.609	7 No 5	0.546	75AH	0.5	0.20	9.8	248	0.5	12	1.0	25	B
5676.656	19 No 9	0.572	76AH	0.8	0.38	10.4	265	0.6	15	1.3	32	B
STEEL GROUND WIRE												
5673.357	5/16	0.312	73AH	0.1	0.06	7.4	189	0.2	5	1.0	25	B
5673.391	3/8	0.360	73AH	0.1	0.06	7.6	194	0.2	5	1.0	25	B
5675.547	7/16	0.435	75AH	0.5	0.23	9.5	241	0.5	13	1.0	25	B
5675.547	1/2	0.495	75AH	0.5	0.23	9.5	241	0.5	13	1.0	25	B

Notes:

1. Pad Dimensions are on page 117.
2. AFL Filler Compound (AFC) Requirements are on page 115.
3. Installation Instructions for Terminals are on page 131.
4. Bolts, nuts and washers are not supplied with the straight terminal connector.

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Terminal Connectors—5100 Series for Alumoweld® and Steel Ground Wire, 15°



The 5100 Series Straight Terminal Connector is designed for Alumoweld and steel ground wire. The terminal connector is fabricated from AFL seamless drawn aluminum.

When used with the dead end, the 15° terminal connector can be bolted in either the straight or 30° position. All terminal 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. Aluminum hardware is supplied with the 15° terminal connector.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

For 7 No. 7 Alumoweld, the complete catalog number is:

5174.484

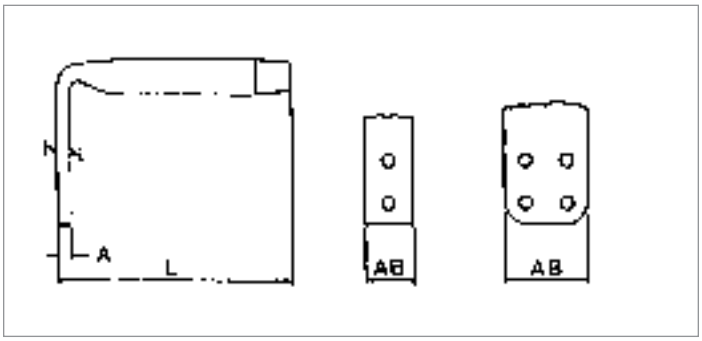
TERMINAL CONNECTOR CATALOG NUMBER	CONDUCTOR		DIE SIZE	TOTAL WEIGHT		DIMENSION						PAD SIZE
	SIZE	DIA. IN	ALUMINUM HEX DIE	LBS	KG	L IN	L MM	A IN	A MM	AB IN	AB MM	
ALUMOWELD												
5172.281	3 No 10	0.220	72AH	0.3	0.12	7.4	189	0.2	5	1.0	25	B
5172.281	3 No 9	0.247	72AH	0.3	0.12	7.4	189	0.2	5	1.0	25	B
5106.312	3 No 8	0.277	06AH	0.3	0.15	7.2	183	0.1	3	1.0	25	B
5109.344	3 No 7	0.311	09AH	0.3	0.15	7.8	197	0.3	7	1.0	25	B
5109.375	3 No 6	0.349	09AH	0.3	0.15	7.8	198	0.3	6	1.0	25	B
5174.438	3 No 5	0.392	74AH	0.4	0.20	8.3	211	0.3	9	1.0	25	B
5106.344	7 No 10	0.306	06AH	0.3	0.15	7.3	185	0.1	3	1.0	25	B
5173.391	7 No 9	0.343	73AH	0.3	0.12	7.6	194	0.2	5	1.0	25	B
5174.438	7 No 8	0.385	74AH	0.4	0.20	8.3	211	0.3	9	1.0	25	B
5174.484	7 No 7	0.433	74AH	0.4	0.19	8.3	211	0.3	8	1.0	25	B
5175.547	7 No 6	0.486	75AH	0.7	0.29	9.5	241	0.5	13	1.0	25	B
5175.609	7 No 5	0.546	75AH	0.6	0.27	9.8	248	0.5	12	1.0	25	B
5176.656	19 No 9	0.572	76AH	0.9	0.42	10.4	265	0.6	15	1.3	32	B
STEEL GROUND WIRE												
5173.357	5/16	0.312	73AH	0.3	0.13	7.4	189	0.2	5	1.0	25	B
5173.391	3/8	0.360	73AH	0.3	0.12	7.6	194	0.2	5	1.0	25	B
5175.547	7/16	0.435	75AH	0.7	0.29	9.5	241	0.5	13	1.0	25	B
5175.547	1/2	0.495	75AH	0.7	0.29	9.5	241	0.5	13	1.0	25	B

Notes:

1. Pad Dimensions are on page 117.
2. AFL Filler Compound (AFC) Requirements are on page 115.
3. Installation Instructions for Terminals are on page 131.
4. Supplied with aluminum hardware.

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Terminal Connectors—5800 Series for Alumoweld® and Steel Ground Wire, 90°



Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

For 7 No. 7 Alumoweld, the complete catalog number is:

5874.484

The 5800 Series Terminal Connector is designed for Alumoweld and steel ground wire. The terminal connector is fabricated from AFL seamless drawn aluminum.

All terminal connectors are designed for limited tension use, developing a minimum of 40% of the ASTM rated breaking strength of the cable being used.

TERMINAL CONNECTOR CATALOG NUMBER	CONDUCTOR		DIE SIZE	TOTAL WEIGHT		DIMENSION						PAD SIZE
	SIZE	DIA.	ALUMINUM HEX DIE			L		A		AB		
		IN		LBS	KG	IN	MM	IN	MM	IN	MM	
ALUMOWELD												
5872.281	3 No 10	0.220	72AH	0.14	0.06	3.8	95	0.19	5	1.0	25	B
5872.281	3 No 9	0.247	72AH	0.14	0.06	3.8	95	0.19	5	1.0	25	B
5806.312	3 No 8	0.277	06AH	0.20	0.09	3.4	86	0.12	3	1.0	25	B
5809.344	3 No 7	0.311	09AH	0.22	0.10	4.4	111	0.28	7	1.0	25	B
5809.375	3 No 6	0.349	09AH	0.21	0.10	4.4	111	0.25	6	1.0	25	B
5873.438	3 No 5	0.392	74AH	0.32	0.15	4.9	124	0.34	9	1.0	25	B
5874.438	3 No 5		74AH	0.32	0.15	4.9	124	0.34	9	1.0	25	B
5806.344	7 No 10	0.306	06AH	0.19	0.09	3.5	89	0.12	3	1.0	25	B
5873.391	7 No 9	0.343	73AH	0.14	0.06	4.0	101	0.19	5	1.0	25	B
5873.438	7 No 8	0.385	74AH	0.32	0.15	4.9	124	0.34	9	1.0	25	B
5874.438	7 No 8		74AH	0.32	0.15	4.9	124	0.34	9	1.0	25	B
5874.484	7 No 7	0.433	74AH	0.29	0.13	4.9	124	0.31	8	1.0	25	B
5875.547	7 No 6	0.486	75AH	0.54	0.24	6.0	152	0.50	13	1.0	25	B
5875.609	7 No 5	0.546	75AH	0.49	0.22	6.3	159	0.47	12	1.0	25	B
5875.547	19 No 10		75AH	0.54	0.24	6.0	152	0.50	13	1.0	25	B
5876.656	19 No 9	0.572	76AH	0.83	0.38	7.1	181	0.59	15	1.3	32	B
STEEL GROUND WIRE												
5873.357	5/16	0.312	73AH	0.15	0.07	3.9	99	0.19	5	1.0	25	B
5873.391	3/8	0.360	73AH	0.14	0.06	4.0	101	0.19	5	1.0	25	B
5875.547	7/16	0.435	75AH	0.54	0.24	6.0	152	0.50	13	1.0	25	B
5875.547	1/2	0.495	75AH	0.54	0.24	6.0	152	0.50	13	1.0	25	B

Notes:

1. Pad Dimensions are on page 117.
2. AFL Filler Compound (AFC) Requirements are on page 115.
3. Installation Instructions for Terminals are on page 131.
4. Bolts, nuts and washers are not supplied with the 90° terminal connector.

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AFL Filler Compound (AFC) Required for Compression Accessories

CATALOG SERIES	4500		4600		5000 18000		5100 5600 5800		5200 5300 5500*		5400* 5700		7000 19300		7100 7200		7600 7700	
DIE SIZE	LBS	G	LBS	G	LBS	G	LBS	G	LBS	G	LBS	G	LBS	G	LBS	G	LBS	G
71	—	—	—	—	.01	5	—	—	—	—	—	—	.01	5	—	—	—	—
72	—	—	—	—	.01	5	.01	5	—	—	—	—	.01	5	—	—	—	—
73	—	—	—	—	.02	9	.01	5	—	—	—	—	.02	9	—	—	—	—
74	—	—	—	—	.03	14	.02	9	.03	14	—	—	.03	14	.02	9	—	—
75	—	—	—	—	.04	18	.02	9	.05	23	—	—	.05	23	.03	14	—	—
76	.10	45	.10	45	.05	23	.02	9	.07	32	—	—	.07	37	.04	18	—	—
06	—	—	—	—	—	—	.02	9	—	—	—	—	—	—	—	—	—	—
09	—	—	—	—	.03	14	.02	9	—	—	—	—	—	—	—	—	—	—
10	.20	91	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	—	—	—	—	—	—	.03	14	—	—	—	—	—	—	—	—	—	—
12	.20	91	—	—	—	—	.03	14	—	—	—	—	—	—	—	—	.01	5
13	—	—	—	—	—	—	.03	14	—	—	—	—	—	—	—	—	.03	14
14	.30	136	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.03	14
16	.50	227	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18	.45	204	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	.30	136	.20	91	.07	32	.03	14	.08	36	.20	91	.08	36	.05	23	—	—
24	—	—	—	—	.09	41	.05	23	.13	59	.30	136	.13	59	.06	27	.04	18
27	—	—	.30	136	.12	54	.06	27	.19	86	.34	154	.17	86	.10	45	.08	36
30	—	—	.50	227	.19	86	.09	41	.32	145	.60	272	.32	145	.15	68	.11	50
34	—	—	.35	159	.25	113	.12	54	.41	186	.93	422	.41	186	.20	91	.32	145
36	—	—	—	—	.28	127	.15	68	.52	236	.96	435	.52	236	.26	118	—	—
38	—	—	—	—	.35	159	.17	77	.58	263	1.1	499	.58	263	.27	122	.27	122
40	—	—	—	—	.40	181	.20	91	.70	318	1.1	499	.70	318	.37	168	.37	168
42	—	—	—	—	.54	245	.24	109	.84	381	1.4	635	.84	381	.45	204	—	—
44	—	—	—	—	.67	304	.28	127	1.2	544	1.5	680	1.2	544	.55	249	—	—
48	—	—	—	—	.78	354	.32	145	1.6	590	1.6	726	1.3	590	.69	313	.62	281

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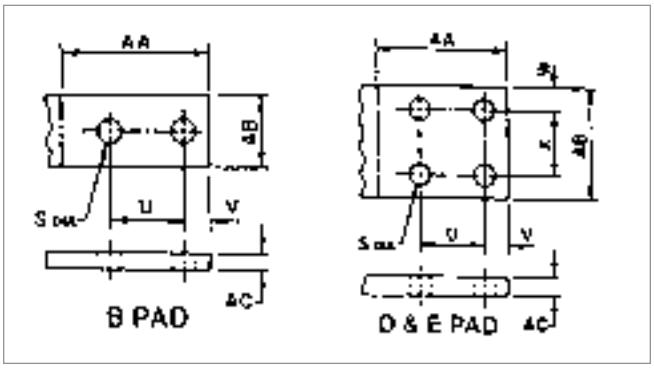
AFL Filler Compound (AFC) Required for Compression Accessories (cont.)

CATALOG SERIES	8000		8100 8200		8300		8400		8600	
DIE SIZE	LBS	G	LBS	G	LBS	G	LBS	G	LBS	G
71	—	—	—	—	—	—	—	—	—	—
72	.01	5	—	—	—	—	—	—	—	—
73	.02	9	—	—	—	—	—	—	—	—
74	.03	14	.02	9	—	—	—	—	—	—
75	.05	23	.04	18	—	—	—	—	—	—
76	.09	41	.07	32	—	—	—	—	.09	41
06	—	—	—	—	—	—	—	—	—	—
09	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—
11	—	—	—	—	—	—	—	—	.03	14
12	—	—	—	—	—	—	—	—	.05	23
13	—	—	—	—	—	—	—	—	.06	27
14	—	—	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	—	—	—	—
18	—	—	—	—	—	—	—	—	—	—
20	.20	91	.14	64	.19	86	.27	122	—	—
24	.30	136	.22	100	.20	91	.26	118	—	—
27	.34	154	.34	154	—	—	—	—	—	—
30	.60	272	.47	213	.40	181	.57	259	—	—
34	.93	422	.56	254	—	—	—	—	—	—
36	.96	435	.62	281	—	—	—	—	—	—
38	1.1	499	.80	363	—	—	—	—	—	—
40	1.1	499	.90	408	—	—	—	—	—	—
42	1.4	635	1.1	499	—	—	—	—	—	—
44	1.5	680	1.2	544	—	—	—	—	—	—
48	1.6	726	.90	408	—	—	—	—	—	—

Notes:
The amount of AFC shown in the tabulation is for the purpose of estimating the amount of compound necessary for a construction project. The tabulated weights of filler compound shown in the above tables for the Catalog 5100, 5600, and 5800 terminals does not include sufficient quantity 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 anadditional quantity of AFC be used to fill the cavity area.

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NEMA Standard Pad Sizes for Standard Compression Accessories



PAD LETTER	DIMENSIONS													
	S		U		V		W		X		AA		AB	
	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
B	0.56	14	1.75	44	0.62	16	--	--	--	--	3.50	89	1.75	44
D	0.56	14	1.75	44	0.62	16	0.62	16	1.75	44	3.50	89	3.00	76
E	0.56	14	1.75	44	1.12	29	1.12	29	1.75	44	4.50	114	4.00	102

CATALOG SERIES	4500 & 4600				5300				5700				7100, 7200, 8100, 8200,			
DIE SIZE	AB		AC		AB		AC		AB		AC		AB		AC	
	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
74	—	—	—	—	1.75	44	△	△	—	—	—	—	1.75	44	0.50	13
75	—	—	—	—	1.75	44	0.44	11	—	—	—	—	2.25	57	0.50	13
76	2.25	57	0.38	10	1.75	44	0.50	13	—	—	—	—	2.25	57	0.50	13
11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	2.25	57	0.38	10	1.75	44	0.50	13	1.75	44	0.50	13	2.25	57	0.50	13
24	—	—	—	—	1.75	44	0.50	13	1.75	44	0.50	13	2.25	57	0.50	13
27	2.25	57	0.38	10	3.00	76	0.62	16	3.00	76	0.62	16	3.00	76	0.62	16
30	2.38	60	0.38	10	3.00	76	0.62	16	3.00	76	0.62	16	3.00	76	0.62	16
34	3.50	89	0.62	16	3.00	76	0.62	16	3.00	76	0.62	16	3.00	76	0.62	16
36	—	—	—	—	3.00	76	0.62	16	3.00	76	0.62	16	3.00	76	0.62	16
38	—	—	—	—	3.00	76	0.62	16	3.00	76	0.62	16	3.00	76	0.62	16
40	—	—	—	—	3.00	76	0.62	16	3.00	76	0.62	16	4.00	102	0.75	19
42	—	—	—	—	4.00	102	0.75	19	4.00	102	0.75	19	4.00	102	0.75	19
44	—	—	—	—	4.00	102	0.75	19	4.00	102	0.75	19	4.00	102	0.75	19
48	—	—	—	—	4.00	102	0.75	19	4.00	102	0.75	19	4.00	102	0.75	19
74	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

△ 5374.0 - AC: .44 in (11 mm)
5374.1 - AC: .50 in (13 mm)
5374.2 - AC: .50 in (13 mm)

Notes:
1. If catalog number has "EHV" suffix, the pad will be furnished with rounded corners.
2. 15° terminal connectors and dead end tongues are finished on both sides.

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NEMA Standard Pad Sizes for Standard Compression Accessories (cont.)

CATALOG SERIES	4500 & 4600				5300				5700				7100, 7200, 8100, 8200,			
DIE SIZE	AB		AC		AB		AC		AB		AC		AB		AC	
	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
76	—	—	—	—	—	—	—	—	—	—	—	—	2.25	57	0.38	10
11	—	—	—	—	—	—	—	—	—	—	—	—	1.75	44	0.38	10
12	2.25	57	0.38	10	2.25	57	0.38	10	—	—	—	—	2.25	57	0.38	10
13	2.25	57	0.38	10	2.25	57	0.38	10	—	—	—	—	2.25	57	0.38	10
14	2.25	57	0.50	13	2.25	57	0.50	13	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	2.25	57	0.50	13	—	—	—	—
24	2.25	57	0.50	13	2.25	57	0.50	13	2.25	57	0.50	13	—	—	—	—
27	3.00	76	0.50	13	3.00	76	0.50	13	—	—	—	—	—	—	—	—
30	3.00	76	0.62	16	3.00	76	0.50	13	2.62	67	0.62	16	—	—	—	—
34	3.00	76	0.62	16	3.00	76	0.50	13	—	—	—	—	—	—	—	—
36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
38	3.00	76	0.62	16	3.00	76	*	*	—	—	—	—	—	—	—	—
40	4.00	102	0.75	19	4.00	102	0.75	19	—	—	—	—	—	—	—	—
42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
44	4.00	102	0.75	19	4.00	102	0.75	19	—	—	—	—	—	—	—	—
48	4.00	102	0.75	19	4.00	102	0.75	19	—	—	—	—	—	—	—	—

* 7738.138 - AC: .62 in (16 mm)
7738.150 - AC: .50 in (13 mm)

Recommended Tightening Torque for Bolts

Recommended tightening torque for aluminum bolts with Alumilite 205 finish and lubricant coating

BOLT DIAMETER	TORQUE	
INCH	LBF-FT	N.M
5/16	10	14
3/8	15	20
7/16	20	27
1/2	25	34
5/8	40	54
3/4	60	81

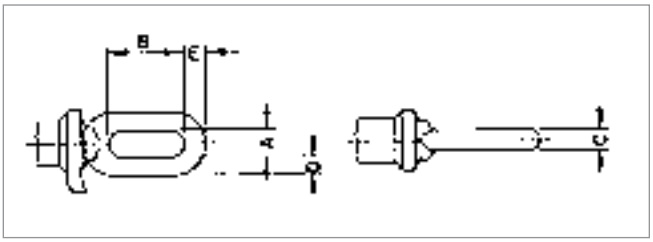
Recommended tightening torque for galvanized steel bolts with lubricant coating

BOLT DIAMETER	TORQUE	
INCH	LBF-FT	N.M
5/16	15	20
3/8	25	34
1/2	40	54
5/8	60	81
3/4	75	102

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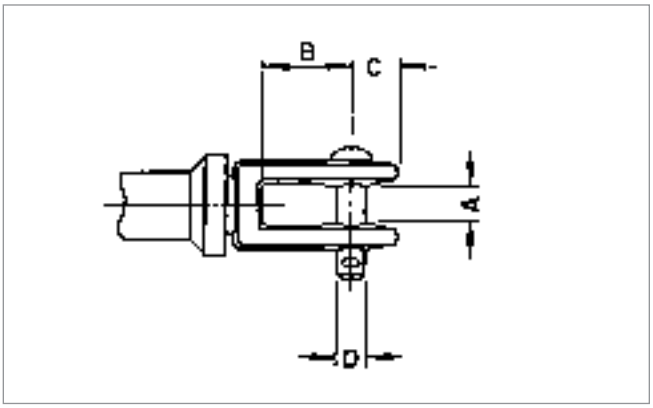
Steel Dead End Dimensions for Standard Compression Accessories

9000 Series Eyes



EYE CATALOG SERIES NUMBER	DIMENSIONS									
	A		B		C		D		E	
	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
9000	0.88	22	2.50	64	0.47	12	0.47	12	0.59	15
9100	0.88	22	2.50	64	0.62	16	0.62	16	0.69	18
9200	0.88	22	2.50	64	0.69	18	0.62	16	0.81	21
9300	1.25	32	2.69	68	0.75	19	0.69	18	0.88	22
9400	1.25	32	2.69	68	0.75	19	0.69	18	0.94	24
E9500	1.25	32	2.62	67	0.78	20	0.78	20	0.91	23
E9600	1.25	32	2.62	67	0.88	22	0.88	22	1.00	25
E9700	1.25	32	2.62	67	1.00	25	1.00	25	1.12	28
E9800	1.31	33	2.62	67	1.00	25	0.97	25	1.25	32

100 Series - Clevis

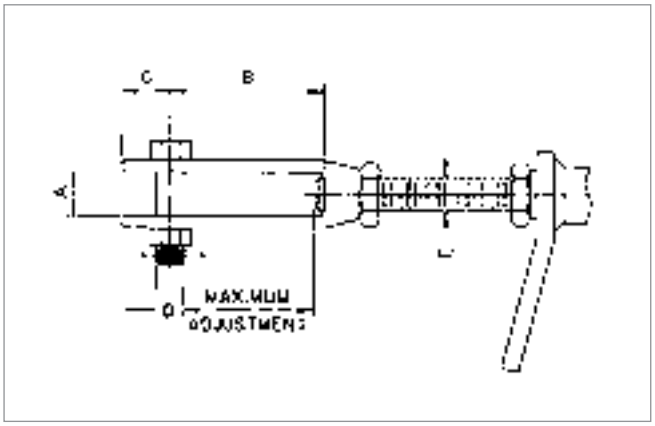


CLEVIS CATALOG SERIES NUMBER	DIMENSIONS							
	A		B		C		D	
	IN	MM	IN	MM	IN	MM	IN	MM
A100X	0.72	18	1.62	41	0.75	19	0.62	16
A101X	0.84	21	2.06	52	1.00	25	0.62	16
A102X	0.84	21	2.06	52	1.00	25	0.62	16
A103X	0.84	21	2.06	52	1.00	25	0.62	16

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Steel Dead End Dimensions for Standard Compression Accessories

C6000 Series - Adjustable Clevis



CLEVIS CATALOG SERIES NUMBER	DIMENSIONS									MAXIMUM ADJUSTMENT	
	A		B		C		D		E		
	IN	MM	IN	MM	IN	MM	IN	MM	UNC	IN	MM
C6100	0.88	22	4.00	102	1.25	32	0.62	16	3/4-10 UNC	3.38	86
C6200	1.00	25	4.00	102	1.25	32	0.75	19	7/8-9 UNC	3.38	86
C6300	1.38	35	5.00	127	1.50	38	1.00	25	1-8 UNC	4.25	108
C6400	1.38	35	5.00	127	1.50	38	1.00	25	1 1/8-7 UNC	4.25	108
C6500	1.38	35	5.00	127	1.50	38	1.00	25	1 1/4-7 UNC	4.25	108
C6600	1.62	41	6.00	152	1.75	44	1.12	28	1 3/8-6 UNC	5.12	130
C6700	1.62	41	6.00	152	1.75	44	1.12	28	1 1/2-6 UNC	5.12	130
C6800	2.00	51	6.00	152	2.00	51	1.12	28	1 5/8-8 UNC	5.12	130

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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 NO.
			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
Raven	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	0.069	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	0.114	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

continued

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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 NO.
			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.

continued

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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 NO.
			COMPLETE CABLE						
	KCMIL	AL		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
Snapdragon	900.0	61	1.093	844	15,900	0.019	0.024	948	1-1010

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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 NO.
			COMPLETE CABLE						
	KCMIL	AL		LBS	LBS	DC @ 20°C	AC @ 75°C	AMPS	
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	1113.0	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
Bluebonnet	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.

continued

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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 NO.
	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.

continued

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Conductor Information for ACAR Conductors

SIZE	STRANDING	DIAMETER	WEIGHT PER 1000 FT	RATED STRENGTH	RESISTANCE OHMS PER 1000 FT		ALLOWABLE AMPACITY[1]	SAG10® CHART NO.
KCMIL	AAC/AAAC	IN	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.

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Installation Instructions

Standard Compression Dead End for ACSR and ACSS Conductor

CAUTION: ACSR Dead Ends Cannot Be Used on ACSS HT Conductor

1. Mark the conductor a distance of 3/4 the length of the aluminum body (***Figure 1***).
2. Prior to making connection, the outer strands of the conductor must be cleaned with a wire brush or abrasive cloth (***Figure 2***).
3. Prior to any strand cutting, tape the end of the conductor to help maintain the round contour.
4. Slide the aluminum dead end body over conductor until sufficient working length protrudes from tongue end. (***Figure 3***).
5. Cut back aluminum strands equal to the depth of the steel forging barrel plus 1 inch (25.4 mm). Do not nick the steel strands. File burrs, if present. (***Figure 4***). Use of a cable trimming tool is recommended. (***Figure 4a, 4b***).
6. Insert steel core into steel barrel to full length of bore. (***Figure 5***).
7. Using the proper SH die set, compress steel barrel full length making initial compression adjacent to rib closest to barrel. Overlap each successive compression by at least ¼ inch (6.4 mm). Complete die closure is required on all compressions.(***Figure 5a, 5b***).
8. Slide the aluminum body over the steel forging until the tongue end butts solidly against felt washer and shoulder of steel eye. Align eye with tongue to desired orientation for attachment to insulator string. (***Figure 6***).



FIGURE 1: ***Mark the conductor and clean 3/4 the length of the aluminum body.***



FIGURE 2: ***Clean a distance of at least ¾ the distance of the aluminum dead end body.***



FIGURE 3: ***Slide aluminum dead end body over conductor.***



FIGURE 4:



FIGURE 4a:



FIGURE 4b:



FIGURE 5:



FIGURE 5a:



FIGURE 5b:



FIGURE 6:

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Installation Instructions (cont.)

Standard Compression Dead End for ACSR and ACSS Conductor

9. Inject filler compound (AFC or AFCHT for HiTemp®) into filler hole until compound emerges at felt washer and tapered end of aluminum body. (***Figure 6a***).

10. Insert and drive filler plug (cavity up) into hole and peen edge of hole over top surface of plug. (***Figure 7***). Leaving the filler plug in the small plastic bag makes it easier to insert when working with gloves. (***Figure 7a***).

11. Using the proper AH die set, make the initial compression on the aluminum body beginning at the "start" mark nearest the tongue. Overlap each successive compression by at least ¼ inch (6.4 mm). Press only to the "stop" mark. Complete die closure is required for each compression. (***Figure 8***).

Note: A light oil coating on the die grooves and aluminum sleeve is recommended.

12. To press the dead end body over the conductor, use the same die used in step 11. Begin compressing at the "start" mark about centrally located. Overlap each successive compression by at least ¼ inch (6.4 mm). Press to the end of the body, including the tapered portion. Complete die closure is required on each compression. (***Figure 9***).

During this compression sequence, the plastic bag in which the dead end assembly was received can be used as a medium between the aluminum body and dies (instead of oil as mentioned in step 11).

13. Compressed portion of dead end body should have a smooth uniform appearance. (***Figure 10***). If die flash is present, remove with a file or emery cloth.

14. Remove any excess filler compound which may have been forced out the end of the dead end body.



FIGURE 6a:



FIGURE 7:



FIGURE 7a:



FIGURE 8:

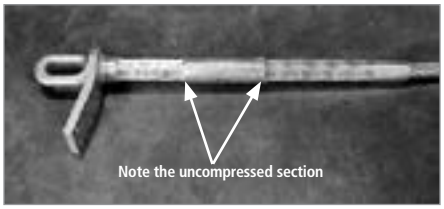


FIGURE 9:



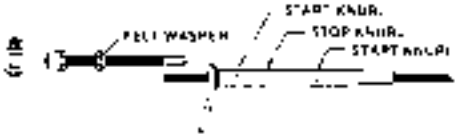
FIGURE 10:

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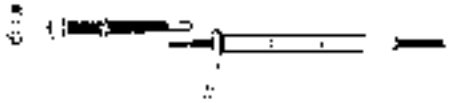
Installation Instructions

Adjustable Compression Dead Ends on ACSR Conductors

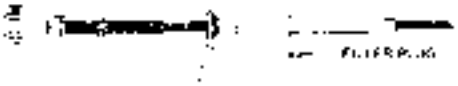
1. Prior to making connections, the outer strand on all conductors (even new conductors) must be cleaned with a wire brush or abrasive cloth. If the conductor is weathered or blackened, carefully unlay aluminum strands for a distance equal to or greater than 3/4 the length of the aluminum dead end body and clean strands thoroughly with wire brush or abrasive cloth. Check accessory bore for foreign particles, removing if present.
2. Serve the conductor, prior to cutting, with tape to help maintain the round contour making it easier to slide the end through the aluminum dead end.
3. Straighten several feet of conductor removing set caused by reel (if necessary).
4. If a comealong is being used, it should be located at least ten (10) feet from end of conductor.



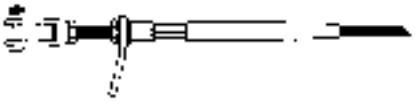
5. Slide dead end body over conductor until sufficient working length protrudes from tongue end.
6. Cut back aluminum stands a distance equal to the depth of the bore of the steel forging barrel plus 1 inch. Do not nick steel strands. File burrs as necessary for ease of insertion.



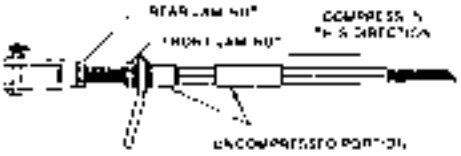
7. Insert steel core into steel barrel to full length of bore.
8. Select die size for compressing steel barrel. The die size on the die and die size marked on steel barrel must be the same.
9. Compress steel barrel full length making initial compression adjacent to corrugations. Overlap each successive compression by approximately 1/4 die bite. Complete die closure is required for each compression.



10. Remove any remaining tape from the aluminum strands and slide aluminum dead end body over steel forging until tongue end butts solidly against felt washer and shoulder of steel dead end. Align clevis or eye with tongue of dead end to ensure proper positioning when dead end is fastened to insulator hardware.
11. Inject AFL Filler Compound (AFC) into filler hole until compound emerges at the felt washer and the tapered end of the body. Insert and drive filler plug into hole and peen edge of hole over top surface of plug.
12. Select die size to compress aluminum dead end body. Die size for aluminum dead end body and die size marked on die must be the same.
13. It is recommended that die grooves be well lubricated with a light weight oil. Oil coating should be maintained during entire compression operation.
14. Make the initial compression on the dead end body over the steel shank beginning at the "start knurl" nearest the dead end tongue. Continue making compressions to the "stop knurl", overlapping the previous compression by approximately 1/4 die bite. Complete die closure is required for each compression.



15. To press the dead end body over the conductor, use the same die used in step 13. Make the initial compression at the "start knurl" and proceed with compression. Continue making compressions to the end of the dead end body, overlapping the previous compression by approximately 1/4 die bite. Complete die closure is required for each compression.
16. Note there should be an uncompressed area on the dead end body where it covers the compressed barrel of the steel forging (area of the filler plug).
17. Compressed portion of the dead end should have a smooth uniform appearance. Remove flash, if present, with file or emery cloth.



CAUTION: Follow installation instructions carefully. Improper installation can result in mechanical failure of the cable system and possible injury to persons handling or in the vicinity of the cable systems.

SAFETY: Consult your safety training department to ensure that the installation procedure adopted is in compliance with your company's standard procedure.

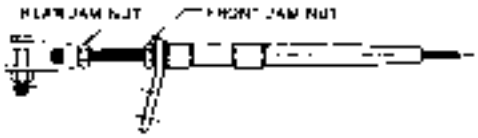
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Installation Instructions

Clevis Adjustment of Adjustable Compression Dead Ends on ACSR Conductors

Standard Method

1. Loosen rear jam nut.
2. Rotate clevis for proper sag and tension.
3. Tighten rear jam nut.



CAUTION: Follow installation instructions carefully. Improper installation can result in mechanical failure of the cable system and possible injury to persons handling or in the vicinity of the cable systems.

SAFETY: Consult your safety training department to ensure that the installation procedure adopted is in compliance with your company's standard procedure.

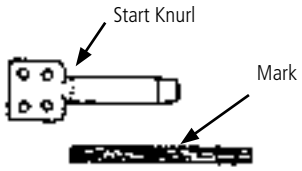
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Installation Instructions

Standard Compression Terminals

(These instructions are not for HiTemp® Conductors)

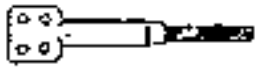


1. Prior to making any connections, the conductor must be clean. For new conductor, the outside diameter shall be wire brushed to remove the aluminum oxidation. If the conductor is weathered or blackened, carefully unlay the aluminum strands for a distance equal to the compression length of the terminal. Clean all of the aluminum strands thoroughly with a wire brush.

2. Mark the conductor from the end, a distance equal to the compression length of the terminal.

Quick Compress:

3a. Insert the conductor into the terminal. Be sure the conductor is inserted to the mark on the conductor. The terminal comes pre-filled with compound from the factory.



Standard Compression:

3b. Inject sufficient AFL Filler Compound (AFC) in the end of the terminal bore and on the conductor to ensure that excess compound will be visible at terminal end when barrel is completely compressed. See chart below for proper amount of AFC required for each terminal size.

AFC Filler Compound Required

PARTIAL TERMINAL CATALOG NUMBER	LB.	GRAMS (G)
5172., 5672., 5872.	0.01	5
5173., 5673., 5873.	0.01	5
5174., 5674., 5874.	0.02	9
5175., 5675., 5875.	0.02	9
5176., 5676., 5876.	0.02	9
5106., 5606., 5806.	0.02	9
5109., 5609., 5809.	0.02	9
5110., 5610., 5810.	0.03	14
5111., 5611., 5811.	0.03	14
5112., 5612., 5812.	0.03	14
5113., 5613., 5813.	0.03	14
5120., 5620., 5820.	0.04	18
5124., 5624., 5824.	0.05	23
5127., 5627., 5827.	0.06	27
5130., 5630., 5830.	0.09	41
5134., 5634., 5834.	0.12	54
5136., 5636., 5836.	0.15	68
5138., 5638., 5838.	0.17	77
5140., 5640., 5840.	0.2	91
5142., 5642., 5842.	0.24	109
5144., 5644., 5844.	0.28	127
5148., 5648., 5848.	0.32	145

CAUTION: Follow installation instructions carefully. Improper installation can result in mechanical failure of the cable system and possible injury to persons handling or in the vicinity of the cable systems.

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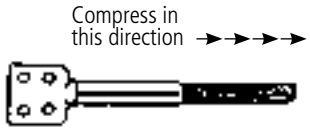
Installation Instructions (cont.)

Standard Compression Terminals

(These instructions are not for HiTemp® Conductors)

4. To compress, select the proper die size as stamped on the jumper connector.

5. Compress the terminal, beginning at the "start knurl." Continue compressing toward the end of the terminal. Complete die closure is required for each compression. Overlap the previous compression by approximately 1/4 die bite. It is recommended that die grooves be well lubricated with a lightweight oil. Oil coating should be maintained during entire compression operation. (Other acceptable mediums that can be used instead of oil are wax, soap or plastic bag the terminal was shipped in.)

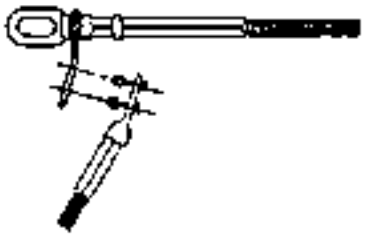


6. Remove flash, if any, with a file or an abrasive cloth.

To Attach Terminal Connector to Dead End or Tee Tap

7. Clean contact surface of pads to be connected by wire brushing thoroughly and immediately coating with a thin film of No. 2 Electrical Joint Compound (EJC). Do not use AFC.

8. Bolt terminal to dead end pad. Partially tighten all bolts and then re-tighten each bolt to the recommended torque:



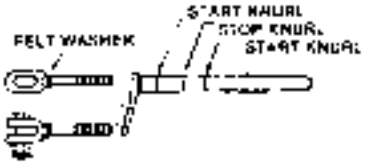
Aluminum 1/2" bolts - 25 lb-ft (34 N.m)
Stainless Steel 1/2" bolts - 40 lb-ft (54 N.m)

CAUTION: Follow installation instructions carefully. Improper installation can result in mechanical failure of the cable system and possible injury to persons handling or in the vicinity of the cable systems.

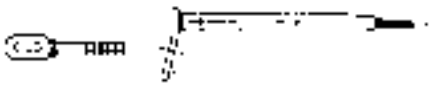
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Installation Instructions

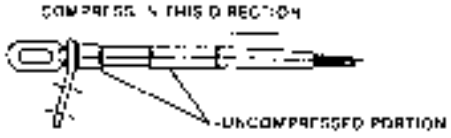
Adjustable and Non-Adjustable Compression Dead Ends on AAC, AAAC, ACAR and AWAC Conductors



1. Prior to making connections, the conductor must be wire brushed and accessory bore must be clean. If the conductor is weathered or blackened, carefully unlay aluminum strands for a distance equal to or greater than 1/4 the length of the aluminum dead end body and clean strands thoroughly with wire brush or abrasive cloth. Check accessory bore for foreign particles and remove if present.
2. Straighten several feet of conductor removing set caused by reel.



3. Coat the steel dead end shank with a liberal quantity of AFL Filler Compound (AFC).
4. Insert steel dead end shank into tongue end of aluminum body until the felt washer butts solidly against the front jam nut on the clevis rod of the adjustable clevis or shoulder of non-adjustable steel dead end.
5. For non-adjustable steel dead ends, align the steel eye or clevis with the tongue of the aluminum dead end body to ensure that the tongue will be in proper position when the dead end is fastened to insulator hardware.
6. Select die size to compress aluminum dead end body. Die size for aluminum dead end and die size marked on die must be the same.
7. It is recommended that die grooves be well lubricated with a light weight oil. Oil coating should be maintained during entire compression operation.
8. Make the initial compression on the dead end body over the steel shank beginning at the "start knurl" nearest the dead end tongue. Continue making compressions to the "stop knurl", overlapping the previous compression by approximately 1/4 die bite. Complete die closure is required for each compression.
9. Insert conductor full depth into dead end body and mark conductor at end of barrel. Remove conductor after marking.
10. Inject sufficient AFL Filler Compound (AFC) In the end of the dead end bore and on the conductor to ensure that excess compound will be visible at the end of the dead end body when the barrel, is completely compressed.
11. Insert clean end of the conductor into the dead end body to the mark on the conductor.
12. The dead end will bow during compression unless reasonable care is taken to have about 15 ft. (4.5 m) of the conductor supported straight out from the end of the dead end such that the weight of the conductor does not hang unsupported from the and of the dead end when compressing.
13. To press the dead end body over the conductor, use the same die used in step 8. Make the initial compression at the "start knurl" nearest the end of the dead end body. Continue making compressions to the end of the dead end body, overlapping the previous compression by approximately 1/4 die bite. Complete die closure is required for each compression.
14. Compressed portion of the dead end should have a smooth uniform appearance. Remove flash, if present, with file or emery cloth.



CAUTION: Follow installation instructions carefully. Improper installation can result in mechanical failure of the cable system and possible injury to persons handling or in the vicinity of the cable systems.

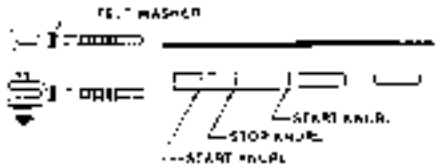
SAFETY: Consult your safety training department to ensure that the installation procedure adopted is in compliance with your company's standard procedure.

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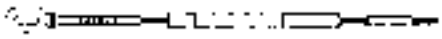
Installation Instructions

Compression Dead Ends on EHS ACSR, Alumoweld® and Steel Ground Wire

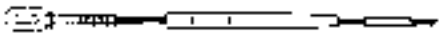
1. Serve the conductor, prior to cutting, to help maintain the round contour. File burrs or shape edges off the conductor as necessary for ease of insertion.
2. Straighten several feet of conductor removing set caused by reel.



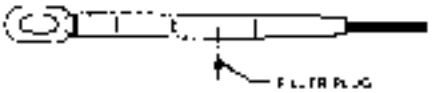
3. Slide the aluminum filler sleeve over conductor.
4. Slide the aluminum dead end body over conductor; tapered end first.
5. Select the die size for compressing the steel barrel. The die size marked on the die and the die size marked on the steel dead end must be the same.
6. Insert the conductor Into the bore of the steel dead end.



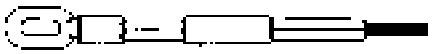
7. Compress the steel barrel full length making initial compression adjacent to the corrugations. Overlap each successive compression by approximately 1/4 die bite. Complete die closure Is required for proper compression.



8. Slide the aluminum dead end body over steel forging until the end butts solidly against the felt washer.
9. Slide the aluminum filler sleeve into the aluminum dead end body until the ends of the filler sleeve and the aluminum dead end body are flush.
10. Inject AFL Filler Compound (AFC) into filler hole until compound emerges at the felt washer. Insert and drive filler plug into hole and peen edge of hole over top surface of plug.
11. Select the die size to compress the aluminum dead end body. The die size for the aluminum dead end body and the size marked on the die must be the same.



12. It is recommended that die grooves be well lubricated with a light weight oil. Oil costing should be maintained during entire compression operation.
13. Make the initial compression on the dead end body over the steel shank beginning at the "start knurl" nearest the eye or clevis. Continue making compressions to the "stop knurl" overlapping the previous compression by 1/4 die bite. Complete die closure is required for each compression.
13. To press the dead end body and filler sleeve over the conductor, use the same die used In step 13. Make the Initial compression at the "start knurl" nearest the end of the dead end body. Complete die closure is required for each compression.
14. The compressed portion of the dead end should have a smooth uniform appearance. Remove flash, If present, with file or emery cloth.



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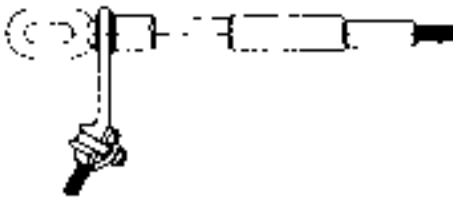
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Installation Instructions

Bolted Jumper Connectors on Alumoweld® and Steel Ground Wire

Standard Method

1. Clean conductor and grooves of the bolted jumper. If installation is to be made on old cable, clean strands with a wire brush or emery cloth.
2. Coat the clamp groove and conductor liberally with No. 2 Electrical Joint Compound (EJC). DO NOT USE AFL FILLER COMPOUND (AFC).
3. Bolt conductor in groove, partially tighten nuts, then re-tighten each nut to recommended torque. (3/8" bolt-15 lbf-ft (20 N.m); ½" bolt-25 lbf-ft (34 N.m)
4. DO NOT remove the EJC that squeezes out when clamp is tightened.



CAUTION: Follow installation instructions carefully. Improper installation can result in mechanical failure of the cable system and possible injury to persons handling or in the vicinity of the cable systems.

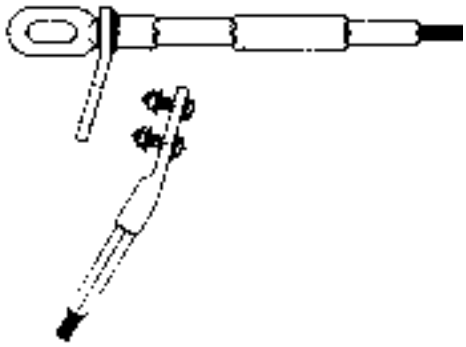
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Installation Instructions

Terminal Connectors on Alumoweld® and Steel Ground Wire

Standard Method

1. Insert conductor full depth Into terminal bore and mark conductor at end of barrel. Remove conductor after marking.
2. Inject sufficient AFL Filler Compound (AFC) in the end of the terminal bore and on the conductor to ensure that excess compound will be visible at terminal and when barrel is completely compressed.
3. Insert clean end of the conductor into the terminal barrel to the mark on the conductor.
4. Select die size for compressing aluminum terminal. The die size on die and die size marked on the terminal must be the same.
5. Make initial compression starting at "start knurl". Continue making compressions to the mouth of the terminal overlapping the previous compression by approximately 1/4 die bite. Complete die closure is required for each compression. Compressed portion of the terminal should have a smooth uniform appearance. Remove flash, if present, with file or emery cloth.
6. Clean contact surface of terminal and of dead and pad by wire brushing through No. 2 Electrical Joint Compound (EJC). DO NOT USE AFL FILLER COMPOUND (AFC).
7. Bolt terminal to dead end pad. Partially tighten all bolts and then re-tighten each bolt to recommended torque. ½" bolt-25 lbf-ft (34 N.m); 5/8" bolt-40 lbf-ft (54 N.m)



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Installation Instructions

Standard Compression Splice for ACSR

1. Mark the conductor a distance of ½ the length of the aluminum sleeve (***Figure 1***).

2. Prior to making connection, the outer strands of the conductor should be cleaned with a wire brush or abrasive cloth (***Figure 2***).

3. Remark each conductor half the length of the aluminum sleeve, if the mark was removed during wire brushing. Prior to any strand cutting, tape the end of each conductor to help maintain the round contour (***Figure 3***).

4. Slide the aluminum sleeve over one conductor until sufficient working length protrudes from end (***Figure 4***).

5. Cut back aluminum strands of both conductors ½ the length of the steel sleeve plus 1 inch (25.4 mm). Do not nick the steel strands. File any burrs, if present (***Figure 5a***). Use of a cable trimming tool is recommended (***Figure 5b***).

6. Insert ends of steel core into steel sleeve making sure the ends butt solidly against center stop (***Figure 6***).

7. Using the proper SH die set, compress steel sleeve full length making initial compression over center of sleeve (***Figure 7a***), Overlap each successive compression by at least ¼ inch (6.4 mm) (***Figure 7b***). Complete die closure is required on all compressions.



FIGURE 1: Mark the conductor and clean 1/2 the length of the sleeve.



FIGURE 2: Clean the outer strands of the conductor with a wire brush.

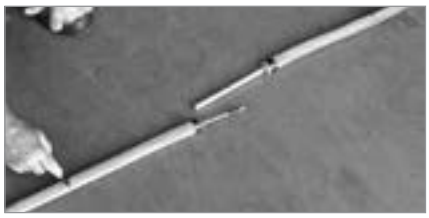
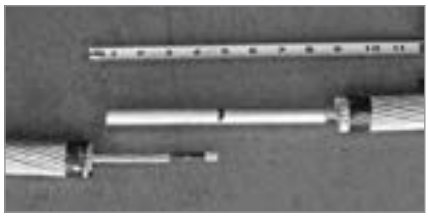


FIGURE 3: Re-mark the conductors after cleaning if needed.



FIGURE 4: Slide sleeve over one conductor so it protrudes out the end.



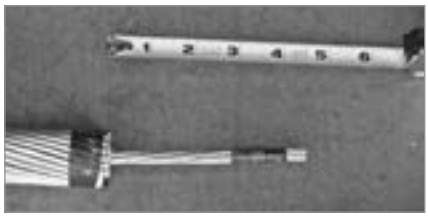


FIGURE 5a: Cut back the Aluminum strands on both conductors 1/2 the length of the Steel sleeve plus 1 inch (25.4 mm).

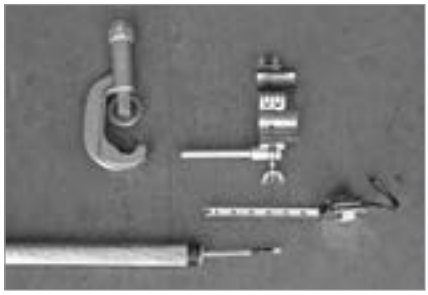


FIGURE 5b: Use of a cable trimming tool is recommended.



FIGURE 6: Slide sleeve over one conductor so it protrudes out the end.



FIGURE 7a: Make the initial compression on center of Steel sleeve.



FIGURE 7b: Overlap each compression on Steel sleeve 1/4 inch (6.4 mm).

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Installation Instructions (cont.)

Standard Compression Splice for ACSR

8. Slide the aluminum sleeve over the installed steel sleeve, centering between the two marks that were made in ***Step 3*** (***Figure 8a & 8b***).

9. Inject AFC filler compound into the filler hole until compound emerges from both ends of aluminum sleeve (***Figure 9***).

10. Insert and drive filler plug (cavity up) into hole and peen edge of hole over top surface of plug. Leaving the filler plug in the small plastic bag makes it easier to insert when working with gloves (***Figure 10a, 10b & 10c***).

11. Using the proper AH die set, make the initial compression at the "start" mark on one side of center (***Figure 11a***). The second compression should be made at the other "start" mark on opposite side of center. Continue making compressions to the end, overlapping each by at least ¼ inch (6.4 mm) (***Figure 11b***). Repeat this on opposite side of joint (***Figure 11c***). Complete die closure is required for each compression.

Note: A light oil coating on the die grooves and aluminum sleeve is recommended.

12. Compressed portion of splice sleeve should have a smooth uniform appearance. If die flash is present, remove with a file or emery cloth (***Figure 12***). Remove any excess filler compound which may have been forced out the ends of the splice.

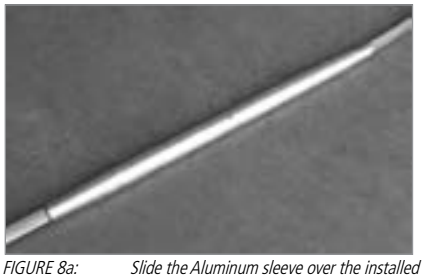


FIGURE 8a: Slide the Aluminum sleeve over the installed Steel sleeve.

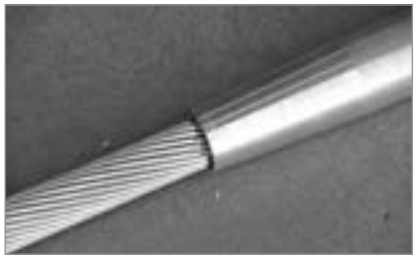


FIGURE 8b: Center the Aluminum sleeve between the marks.



FIGURE 9: Inject AFC Filler Compound into the filler hole.



FIGURE 10a: Peen edge of filler hole over top surface of plug.



FIGURE 10b: Filler plug left in plastic bag is easier to insert with gloves.



FIGURE 10c: Peen edge of filler hole over top surface of plug.



FIGURE 11a: Make the initial compression at the "start" mark.



FIGURE 11b: Overlap each compression by 1/4 inch (6.4 mm).



FIGURE 11c: Completed compression splice.



FIGURE 12: If die flash is present, remove with a file or emery cloth.

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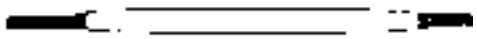
Installation Instructions

Compression Joints on AAC, AAAC, ACAR and AWAC Conductors

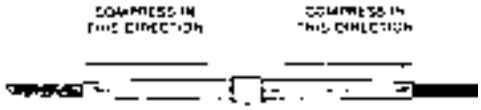
1. Measure back from each conductor end and mark at a distance equal to ½ the length of the aluminum joint.
2. File burrs or sharp edges off the aluminum strands as necessary for ease of insertion.
3. Prior to making connections, the conductor must be wire brushed and accessory bores must be clean. If the conductor is weathered or blackened, carefully unlay aluminum strands for a distance equal to or greater than ½ the length of the aluminum joint and clean strands thoroughly with wire brush or abrasive cloth. Check accessory bore for foreign particles, removing if present.
4. Straighten several feet of conductor removing Set caused by reel.



5. Inject AFL Filler Compound (AFC) into each end of joint and on the conductor to ensure that excess compound will be forced from the barrel when compressions are completed. Insert conductor ends Into the joint. If the mark on the conductor Is not at end of the joint, and there is resistance to further entry, twist the joint on the conductor. This will work the compound between conductor strands and bleed air from the joint.
6. Select die size for compressing joint. The die size on die and die size marked on aluminum joint must be the same.
7. The joint will bow during compression unless reasonable care is taken to have about 15 ft. (4.5 m) of the conductor supported straight out from both ends of the joint such that the weight of the conductor does not hang unsupported from the end of the joint when compressing.



8. Make initial compression on either side of joint starting at the "start knurl". Make the second compression on the opposite and of the joint at the other "start knurl". Continue making compressions to one end of joint overlapping the previous compression by approximately 1/4 die bite. Complete die closure is required for each compression. Go back and complete the compressions on the opposite end. The center portion of the joint, approximately one inch, is not compressed. It is recommended that die grooves be well lubricated with a light weight oil. Oil coating should be maintained during entire compression operation.
9. Compressed portion of the joint should have a smooth uniform appearance. Remove flash, if present, with file or emery cloth.



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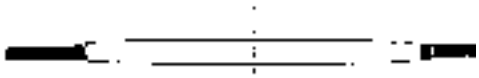
Installation Instructions

Compression Joints on AWAC, Alumoweld® and Steel Ground Wire

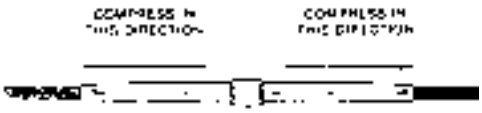
1. Measure back from each conductor end and mark at a distance equal to ½ the length of the aluminum joint.
2. File burrs or sharp edges off the conductor strands as necessary for ease of insertion.
3. Prior to making connections, the conductor must be clean. If the conductor is weathered or blackened, clean strands thoroughly with wire brush or abrasive cloth.
4. Straighten several feet of conductor, removing set caused by reel.



5. Insert conductor ends into the joint. If the mark on the conductor is not at the end of the joint, and there is resistance to further entry, twist the joint on the conductor. This will work the compound between conductor strands and blood air from the joint. (Joints are prefilled so additional AFL Filler Compound (AFC) should not be required.)
6. Select die size for compressing joint. Die size on die and die size marked on aluminum joint must be the same.
7. The joint will bow during compression unless reasonable care Is taken to have about 15 ft. (4.5 m) of the conductor supported straight out from both ends of the joint such that the weight of the conductor does not hang unsupported from the end of the joint when compressing.



8. Make initial compression on either side of the joint starting at the "start knurl". Make the second compression on the opposite end of the joint at the other "start knurl". Continue making compressions to one end of joint overlapping the previous compression by approximately 1/4 die bite. Complete die closure is required for each compression. Go back and complete the compressions on the opposite end. The center portion of the joint, approximately one inch, is not compressed. It is recommended that die grooves be well lubricated with a light weight oil. Oil coating should be maintained during entire compression operation.
9. Compressed portion of the joint should have a smooth appearance. Remove flash, If present, with file or emery cloth.
10. Single piece compression joints (jiffy joints) for ACSR, ACAR, AWAC and alloy conductors follow the procedure above.



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Installation Instructions

Compression Joints on Extra High Strength ACSR Conductors

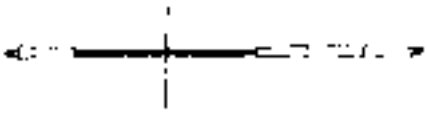
1. Measure back from each conductor end and mark at a distance equal to ½ the length of the aluminum joint.
2. Prior to making connections, the conductor must be wire brushed and accessory bore must be clean. If the conductor is weathered or blackened, carefully unlay aluminum strands for a distance equal to or greater than ½ the length of the aluminum joint and clean strands thoroughly with wire brush or abrasive cloth. Check accessory bore for foreign particles, removing if present.
3. Prior to cutting, serve the conductor with tape to help maintain the round contour making it easier to slide the end through the joint and filler sleeve.
4. Straighten several feet of conductor removing set caused by reel.



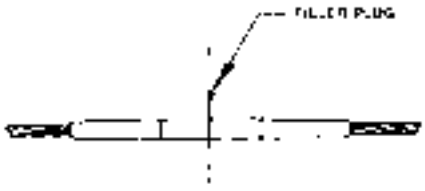
5. Slide the aluminum filler sleeve over conductor end beyond mark.
6. Slide the aluminum joint over other conductor end beyond mark. End with staked if filler sleeve first.
7. Cutback aluminum strands on each conductor end a distance equal to ½ the length of the steel joint plus one inch (25.4 mm). Do not nick steel strands. File burrs as necessary for ease of insertion.



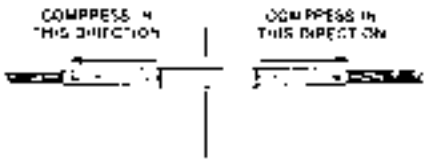
8. Insert ends of steel core into the steel joint making sure the ends butt solidly against center stop.
9. Select die size for compression steel joint. The die size on die and die size marked on steel joint must be the same.
10. Compress steel joint full length making initial compression over center stop. Overlap each successive compression by approximately 1/4 die bits. Complete die closure is required for each compression.



11. Remove tape from ends of aluminum strands. Slide the aluminum joint over the installed steel joint and center between the two marks on the cable.
12. Slide the aluminum filler sleeve into the aluminum joint until ends of the filler sleeve and aluminum joint are flush.
13. Inject AFL Filler Compound (AFC) into filler hole at end of joint until compound is visible at both ends of joint. Insert drive filler plug into hole and peen edge of hole over top surface of plug.
14. Select die size to compress aluminum joint. Die size for aluminum joint and die size marked on die must be the same.
15. The joint will bow during compression unless reasonable care is taken to have about 15 ft. (4.5 m) of the conductor supported straight out from both ends of the joint such that the eight of the conductor does not hang unsupported from the end of the joint when compressing.



16. Make initial compression on either side of joint starting at the "start knurl". Make the second compression on the opposite end of the joint at the other "start knurl". Continue making compressions to one end of the joint overlapping the previous compression by approximately 1/4 die bite. Complete die closure is required for each compression. Go back and complete the compression on the opposite end. The center portion of the joint is not compressed. It Is recommended that die grooves be well lubricated with a light weight oil. Oil coating should be maintained during entire compression operation.
17. Compressed portion of the joint should have a smooth uniform appearance. Remove flash, if present, with file or emery cloth.



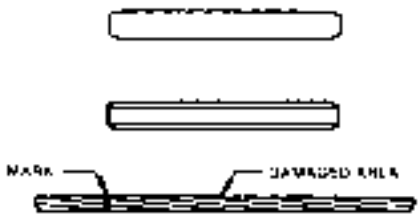
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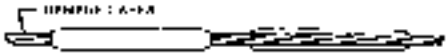
Installation Instructions

Standard Compression Repair Sleeves on ACSR, AAC, AAAC and ACAR Conductors

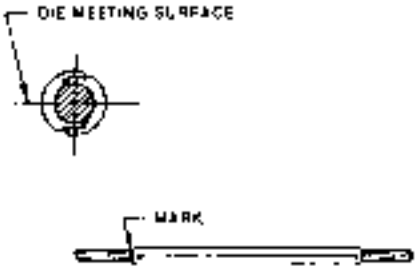
1. Compression Repair Sleeves can be used to restore the electrical and mechanical integrity of a conductor when no more than 1/3 of the aluminum strands are damaged.
2. Mark the conductor from the damaged area 1/2 the length of the repair sleeve.
3. Select die size for compressing the repair sleeve. The die size on the die and the die size marked on the repair sleeve must be the same.
4. Prior to making connections. the groove of the aluminum accessories and the conductor must be clean. If the conductor is weathered or blackened, clean strands thoroughly with wire brush. Check accessory groove for foreign particles, removing if present.
5. Coat the aluminum conductor with AFL Filler Compound (AFC) over the length to be covered by the repair sleeve.



6. Place the repair sleeve groove on the conductor adjacent to damaged area and slide other half (keeper) in place.



7. Slide repair sleeve assembly over the damaged area to the mark on the conductor.
8. Make the initial compression over the center portion of the repair sleeve. Make the second compression on one end overlapping the initial compression by 1/4 die bite. Make the third compression on the opposite end, overlapping the initial compression by 1/4 die bite. Continue making compressions to one end of the repair sleeve overlapping the previous compression by 1/4 die bite. Complete die closure is required for each compression. Go back and complete the compression on the opposite end.
9. The compressed repair sleeve should have a smooth uniform appearance. Remove flash, if present, with file or emery cloth.



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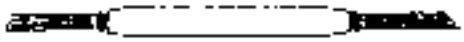
Installation Instructions

Standard Compression and Quick Compress® Jumper Connectors on ACSR, AAC, AAAC, ACAR, Alumoweld® and Steel Ground Wire Conductor

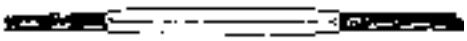
1. Measure back from each conductor end and mark at a distance equal to 1/2 the length of the aluminum jumper connector.
2. File burrs or sharp edges off the aluminum strands as necessary for ease of insertion.
3. Prior to making connections, the conductor must be wire brushed and accessory bores must be clean. If the conductor Is weathered or blackened, carefully unlay aluminum strands for a distance equal to or greater than 1/2 the length of the aluminum jumper connector and clean strands thoroughly with wire brush. An alternate way to thoroughly clean the aluminum oxidation from the conductor is to use the ConductaClean® system.Check accessory bore for foreign particles, removing if present.



4. Inject AFL Filler Compound (AFC) into each end of jumper connector and on the conductor to insure that excess compound will be forced from the jumper connector when compressions are completed. Insert conductor ends into the jumper connector. If the mark on the conductor is not at the end of the jumper connector, and there is resistance to further entry, twist the jumper connector on the conductor. This will work the compound between conductor strands and bleed air from the jumper connector.
5. Select die size for compressing jumper connector. The die size on die and die size marked on aluminum jumper connector must be the same.
6. The jumper connector will bow during compression unless reasonable care Is taken to have about 15 ft. (4.5 m) of the conductor supported straight out from both ends of the jumper connector such that the weight of the conductor does not hang unsupported from the end of the jumper connector when compressing.



7. Compress jumper connector full length making initial compression over center stop. Overlap each successive compression by approximately 1/4 die bite. Complete die closure is required for each compression.
8. Compressed jumper connector should have a smooth uniform appearance. Remove flash, if present, with file or emery cloth.



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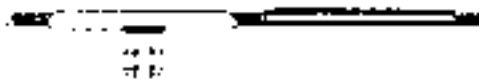
Installation Instructions

Open Run Tee Taps and Tee Connectors on ACSR, AAC, AAAC and ACAR Conductors

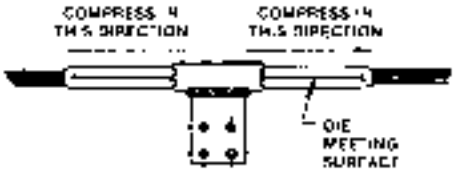
1. Remove the keeper.
2. Select die size for compressing the aluminum run. The die size on the die and die size marked on the aluminum run must be the same.
3. Prior to making connections, the groove of the aluminum accessories and the conductor must be clean. If the conductor is weathered or blackened, clean strands thoroughly with wire brush or abrasive cloth. Check the accessory groove for foreign particles, removing if present.
4. Coat the aluminum conductor with AFL Filler Compound (AFC) over the length to be covered by the tee tap.



5. Place run groove on conductor and slide the keeper In place.



6. Make initial compression on either side of run starting at the "start knurl". Make the second compression on the opposite end of the run at the "start knurl". Continue making compressions to one end of the tee overlapping the previous compression by approximately 1/4 die bite. Complete die closure is required for each compression. Go back and complete the compression on the opposite end.
7. Compressed portion of tee should have a smooth uniform appearance. Remove flash, If present, with file or emery cloth.
8. See page 131 for terminal installation instructions.



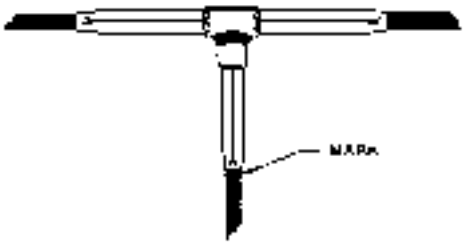
CAUTION: Follow installation instructions carefully. Improper installation can result in mechanical failure of the cable system and possible injury to persons handling or in the vicinity of the cable systems.

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Installation Instructions

Open Run Tee Connectors on ACSR, AAC, AAAC and ACAR Conductors

Installation of Tee With Compression Branch



1. Install run tee as before per steps 1-7, page 144.
2. Select die size for compressing aluminum branch. The die size on die and the die size on the branch must be the same.
3. Insert conductor full depth into branch bore and mark conductor at end of branch. Remove conductor after marking.
4. Inject sufficient AFL Filler Compound (AFC) in the end of the branch bore and on the conductor to ensure that excess compound will be visible at the branch end when completely compressed.
5. Insert cleaned end of the conductor into the branch to the mark on the conductor.
6. Make initial compression starting at the "start knurl". Continue making compressions to mouth of the branch overlapping the previous compression by approximately 1/4 die bite. Complete die closure is required for each compression.
7. Compressed portion of the branch should have a smooth uniform appearance. Remove flash, it present. with file or emery cloth.

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Index

4500 Series 107
4900 Series 108
5000 Series 34, 73, 110
5100 Series 40, 77, 101, 112
5200 Series 31, 71, 99
5300 Series 49, 85
5500 Series 46, 82
5600 Series 37, 75, 111
5800 Series 43, 80, 113
7000 Series 69
7500 Series 30, 98, 105
8500 Series 105
33000 Series 27
33100 Series 15, 53
33200 Series 103
33300 Series 18
33500 Series 57
33600 Series 60
33700 Series 89
43000 Series 55
43100 Series 91
43200 Series 63
43300 Series 66
43400 Series 94
43500 Series 96
43600 Series 21
43800 Series 24
Compression Joints
- AAC Conductors 69
- ACSR Conductors 27
- EHS ACSR Conductors 55
- AWAC Conductors 105
- Jiffy Joints – ACSR Conductors 30
- Jiffy Joints – AAAC and ACAR Conductors 98
- Alumoweld® and Steel Ground Wire 108

Dead Ends, Compression, Single Tongue
- ACSR Conductor 15
- EHS ACSR Conductor 53
- AAC Conductor 57
- AAAC and ACAR Conductor 89
- AWAC Conductor 103
- Alumoweld® and Steel Ground Wire 107

Dead Ends, Compression, Double Tongue
- ACSR Conductor 18
- AAC Conductor 60
- AAAC and ACAR Conductor 91

Adjustable Clevis
- Single Tongue
  - ACSR Conductor 21
  - AAC Conductor 63
  - AAAC and ACAR Conductor 94
- Double Tongue
  - ACSR Conductor 24
  - AAC Conductor 66
  - AAAC and ACAR Conductor 96

Installation Instructions
- Dead Ends
  - ACSR and ACSS Conductors 127
  - ACSR Adjustable Dead Ends 129
  - AAC, AAAC, ACAR and AWAC Conductors 133
  - EHS ACSR, Alumoweld® and Steel Ground Wire 134
- Terminal Connectors
  - ACSR, AAC, AAAC, ACAR and AWAC Conductors 131
  - Alumoweld® and Steel Ground Wire 136
- Compression Joints
  - ACSR Conductors 137
  - AAC, AAAC and ACAR Conductors 139
  - AWAC, Alumoweld® and Steel Ground Wire 140
  - EHS ACSR Conductor 141
- Repair Sleeves 142
- Jumper Connectors 135, 143
- Tee Taps, Open Run 144
- Tee Connectors, Open Run 144, 145

Jiffy Joints
- ACSR Conductors 30
- AAAC and ACAR Conductors 98

Jumper Connectors
- ACSR Conductors 34
- AAC Conductors 73
- Alumoweld® and Steel Ground Wire 110

Pad Dimensions 117

continued →

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Specifications are subject to change without notice.

Index (cont.)

Quick Reference Guides
- ACSR Conductors . . . 7
- AAC Conductors . . . 9
- AAAC and ACAR Conductors . . . 11
- EHS ACSR, Steel Ground Wire, Alumoweld® and AWAC . . . 13
- Standard Catalog Numbering System . . . 14

Reference Material
- Conductor Information for ACSR Conductors . . . 121
- Conductor Information for AAC Conductors . . . 123
- Conductor Information for AAAC Conductors . . . 125
- Conductor Information for ACAR Conductors . . . 126
- NEMA Standard Pad Sizes . . . 117
- Recommended Tightening Torque for Bolts . . . 118
- Steel Dead End Dimensions . . . 119

Repair Sleeves
- ACSR Conductors . . . 31
- AAC Conductors . . . 71
- AAAC and ACAR Conductors . . . 99

Tee Connectors, Open Run
- ACSR Conductors . . . 46
- AAC Conductors . . . 82

Tee Taps, Open Run
- ACSR Conductors . . . 49
- AAC Conductors . . . 85

Terminal Connectors
- Straight
  - ACSR Conductors . . . 37
  - AAC Conductors . . . 75
  - Alumoweld® and Steel Ground Wire . . . 111
- 15°
  - ACSR Conductors . . . 40
  - AAC Conductors . . . 77
  - AAAC and ACAR Conductors . . . 101
  - Alumoweld® and Steel Ground Wire . . . 112
- 90°
  - ACSR Conductors . . . 43
  - AAC Conductors . . . 80
  - Alumoweld® and Steel Ground Wire . . . 113

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Specifications are subject to change without notice.

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Specifications are subject to change without notice.

Table of Contents

Quick Compress Pictorial Index 150
Quick Compress Accessories Overview 151

Quick Reference Guide

ACSR Conductor Quick Reference Guide 152
AAC Conductor Quick Reference Guide 154
AAAC and ACAR Conductor Quick Reference Guide 155
Quick Compress Catalog Numbering System 156

ACSR Accessories

Single Tongue Dead End – VES/HES Series 159
Double Tongue Dead End – VED/HED Series 162
Adjustable Clevis Dead End – ACS Series 165
Adjustable Eye Dead End – AES Series 168
Compression Joint – CJ Series 171
Replacement Compression Joint – CJR Series 173
Repair Sleeve – RS Series 175
Jumper Connector – JC Series 177
Straight Terminal Connector – TS Series 179
15° Terminal Connector – TF Series 182
45° Terminal Connector – T45 Series 185
90° Terminal Connector – TN Series 188
Open Run Tee Connector – TTOC Series 191
Open Run Tee Tap – TTOP Series 193

AAC Accessories

Single Tongue Dead End – VESE/HESE Series 197
Double Tongue Dead End – VEDE/HEDE Series 199
Adjustable Clevis Dead End – ACSE Series 201
Adjustable Eye Dead End – AESE Series 203
Compression Joint – CJE Series 205
Replacement Compression Joint – CJER Series 207
Repair Sleeve – RS Series 209
Jumper Connector – JC Series 211
Straight Terminal Connector – TS Series 213
15° Terminal Connector – TF Series 215
45° Terminal Connector – T45 Series 217
90° Terminal Connector – TN Series 219
Open Run Tee Connector – TTOC Series 221
Open Run Tee Tap – TTOP Series 223

AAAC and ACAR Accessories

Single Tongue Dead End – VES/HES Series 225
Double Tongue Dead End – VED/HED Series 227
Adjustable Clevis Dead End – ACS Series 229
Adjustable Eye Dead End – AES Series 231
Compression Joint – CJ Series 233
Replacement Compression Joint – CJR Series 235
Repair Sleeve – RS Series 237
Jumper Connector – JC Series 239
Straight Terminal Connector – TS Series 241
15° Terminal Connector – TF Series 243
45° Terminal Connector – T45 Series 245
90° Terminal Connector – TN Series 247
Open Run Tee Connector – TTOC Series 249
Open Run Tee Tap – TTOP Series 250

Ground Wire Accessories

Single Tongue Dead End – GWDE Series 253
Compression Joint – GWJ Series 256

Quick Compress® Reference Material

NEMA Standard Pad Sizes 257
Steel Eye Dimensions 257
Bolt Sizes and Recommended Torque 257
Adjustable Steel Clevis Dimensions 258
Adjustable Steel Eye Dimensions 258
Conductor Information for ACSR Conductors 259
Conductor Information for AAC Conductors 261
Conductor Information for AAAC Conductors 263
Conductor Information for ACAR Conductors 264

Quick Compress® Installation Instructions

Dead Ends – Non-Adjustable ACSR (VES/HES, VED/HED) 265
Dead Ends – Non-Adjustable AAC, AAAC and ACAR 266
Dead Ends – Adjustable ACSR, AAC, AAAC and ACAR 266
Dead Ends – Non-Adjustable Alumoweld® and Steel Ground Wire 267
Compression Joints – AAC, AAAC, ACAR, Alumoweld® and Steel Ground Wire 268
Compression Joints – ACSR 269
Repair Sleeves – ACSR, AAC, AAAC and ACAR 270
Jumper Connectors – ACSR, AAC, AAAC, ACAR, Alumoweld® and Steel Ground Wire 271
Terminal Connectors 272
Open Run Tee Taps – ACSR, AAC, AAAC and ACAR 274
Open Run Tee Connectors – ACSR, AAC, AAAC and ACAR 274

Quick Compress® Index 275

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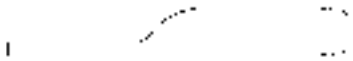
Pictorial Index

QUICK COMPRESS®

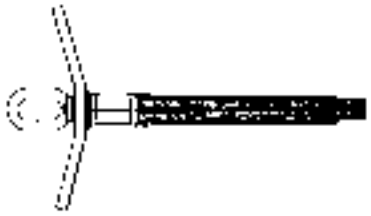
Dead End – Single Tongue
Eye: pgs. 159, 168, 197, 203, 225, 231, 253
Clevis: pgs. 165, 201, 229



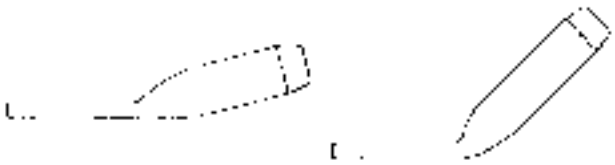
Straight Terminal Connector
pgs. 179, 213, 241



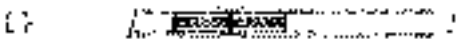
Dead End – Double Tongue
pgs. 162, 199, 227



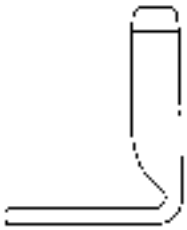
Angled Terminal Connector
15° pgs. 182, 215, 243 **45°** pgs. 185, 217, 245



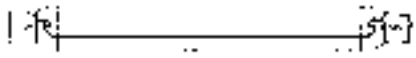
Compression Joint
pgs. 171, 173, 205, 207, 233, 235, 256



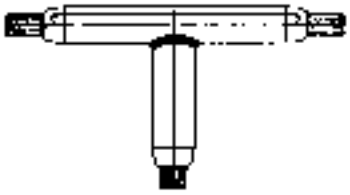
90° Terminal Connector
pgs. 188, 219, 247



Repair Sleeve
pgs. 175, 209, 237



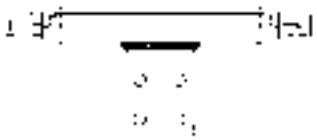
Open Run Tee Connector
pgs. 191, 221, 249



Jumper Connector
pgs. 177, 211, 239



Open Run Tee Tap
pgs. 193, 223, 250



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Quick Compress Accessories for Maximum Conductor Operating Temperatures of 100ºC (212ºF)



In the past, three separate compression accessory series were required to connect ACSR, AAC, AAAC and ACAR. To assist utilities and distributors in reducing inventory, AFL designed one series of compression accessories that can handle all four conductor types, the Quick Compress Product Line. Quick Compress handles these conductors while maintaining the same mechanical and electrical reliability as other AFL product lines.

There are two primary characteristics that make Quick Compress different from any other accessory line. First, it is made of a high strength aluminum alloy, which has a minimum tensile strength nearly twice that of other compression accessory systems. This means that for the same conductor size, smaller connectors can be used without any fear of sacrificing strength. Secondly, Quick Compress uses an aluminum 'core grip' to hold the steel core of ACSR. This eliminates the need to have a dead end steel compression barrel or a steel sleeve for full tension ACSR joints. By eliminating the steel, only one set of dies is required for installing Quick Compress Accessories.

All compression accessories are designed to operate at a temperature 15% to 25% cooler than the conductor. Quick Compress accessories are designed for a maximum conductor operating temperature of 100ºC (212ºF). For applications exceeding 100ºC (212ºF) operating temperature, see the Standard and HiTemp® Compression Accessories sections.

Features

Installs in 40% Less Time

Quick Compress Accessories are designed to save valuable time. They are made of a high strength alloy allowing for shorter accessories resulting in fewer compression bites. The accessories come pre-filled, the steel eye is pre-compressed and a one-piece core grip is included. Compared to other two-die accessory systems, Quick Compress Accessories can be installed in 40% less time.

One-Piece Core Grip

When using ACSR conductor, the one-piece core grip eliminates the need for a dead end steel compression barrel or a steel sleeve for full tension compression joints.

Factory Installed Eye

The dead end features a steel eye that is oriented and installed at the factory. This decreases installation time and eliminates costly field errors.

Factory Pre-filled

Quick Compress dead ends, joints, terminals and jumper connectors are prefilled with AFL Filler Compound (AFC) and capped to prevent loss of compound prior to installation, eliminating an installation step.

High Voltage Applications

The end tapers of all compression accessories are supplied with a high voltage finish for die sizes 12CD and above. Corona bolts are furnished standard on 15º terminals for these section sizes. The square edges of bolted pads of the compression accessories could cause Corona. Pads with rounded edges and corners can be supplied by adding the catalog suffix 'EHV'.

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Quick Reference Guide for Quick Compress Accessories for ACSR Conductor

CONDUCTOR				COMPRESSION ACCESSORIES													
CODE WORD	SIZE	STRANDING	DIA.	DEAD END ASSEMBLIES						JOINT	JUMPER CONNECTOR	TERMINAL CONNECTORS			OPEN RUN TEE CONNECTOR	OPEN RUN TEE TAP	REPAIR SLEEVE
	KCMIL	AL/ST	IN	VERT. EYE SINGLE TONGUE	HOR. EYE SINGLE TONGUE	VERT. EYE DOUBLE TONGUE	HOR. EYE DOUBLE TONGUE	ADJ. EYE SINGLE TONGUE	ADJ. CLEVIS SINGLE TONGUE			STRAIGHT	15°	90°			
Waxwing	266.8	18/1	0.609	VES072	HES072	VED072	HED072	AES072	ACS072	CJ072	JC07	TS07	TF07	TN07	TTOC07	TTOP07	RS07
Owl	266.8	6/7	0.633	VES075	HES075	VED075	HED075	AES075	ACS075	CJ075	JC07	TS07	TF07	TN07	TTOC07	TTOP07	RS07
Partridge	266.8	26/7	0.642	VES076	HES076	VED076	HED076	AES076	ACS076	CJ076	JC07	TS07	TF07	TN07	TTOC07	TTOP07	RS07
Ostrich	300.0	26/7	0.680	VES085	HES085	VED085	HED085	AES085	ACS085	CJ085	JC08	TS08	TF08	TN08	TTOC08	TTOP08	RS08
Merlin	336.4	18/1	0.684	VES082	HES082	VED082	HED082	AES082	ACS082	CJ082	JC08	TS08	TF08	TN08	TTOC08	TTOP08	RS08
Linnet	336.4	26/7	0.720	VES086	HES086	VED086	HED086	AES086	ACS086	CJ086	JC08	TS08	TF08	TN08	TTOC08	TTOP08	RS08
Oriole	336.4	30/7	0.741	VES096	HES096	VED096	HED096	AES096	ACS096	CJ096	JC09	TS09	TF09	TN09	TTOC09	TTOP09	RS09
Chickadee	397.5	18/1	0.743	VES083	HES083	VED083	HED083	AES083	ACS083	CJ083	JC08	TS08	TF08	TN08	TTOC08	TTOP08	RS08
Brant	397.5	24/7	0.772	VES095	HES095	VED095	HED095	AES095	ACS095	CJ095	JC09	TS09	TF09	TN09	TTOC09	TTOP09	RS09
Ibis	397.5	26/7	0.783	VES096	HES096	VED096	HED096	AES096	ACS096	CJ096	JC09	TS09	TF09	TN09	TTOC09	TTOP09	RS09
Lark	397.5	30/7	0.806	VES106	HES106	VED106	HED106	AES106	ACS106	CJ106	JC10	TS10	TF10	TN10	TTOC10	TTOP10	RS10
Pelican	477.0	18/1	0.814	VES092	HES092	VED092	HED092	AES092	ACS092	CJ092	JC09	TS09	TF09	TN09	TTOC09	TTOP09	RS09
Flicker	477.0	24/7	0.846	VES095	HES095	VED095	HED095	AES095	ACS095	CJ095	JC09	TS09	TF09	TN09	TTOC09	TTOP09	RS09
Hawk	477.0	26/7	0.858	VES105	HES105	VED105	HED105	AES105	ACS105	CJ105	JC10	TS10	TF10	TN10	TTOC10	TTOP10	RS10
Hen	477.0	30/7	0.883	VES116	HES116	VED116	HED116	AES116	ACS116	CJ116	JC11	TS11	TF11	TN11	TTOC11	TTOP11	RS11
Osprey	556.5	18/1	0.879	VES102	HES102	VED102	HED102	AES102	ACS102	CJ102	JC10	TS10	TF10	TN10	TTOC10	TTOP10	RS10
Parakeet	556.5	24/7	0.914	VES105	HES105	VED105	HED105	AES105	ACS105	CJ105	JC10	TS10	TF10	TN10	TTOC10	TTOP10	RS10
Dove	556.5	26/7	0.927	VES106	HES106	VED106	HED106	AES106	ACS106	CJ106	JC10	TS10	TF10	TN10	TTOC10	TTOP10	RS10
Eagle	556.5	30/7	0.953	VES117	HES117	VED117	HED117	AES117	ACS117	CJ117	JC11	TS11	TF11	TN11	TTOC11	TTOP11	RS11
Peacock	605.0	24/7	0.953	VES115	HES115	VED115	HED115	AES115	ACS115	CJ115	JC11	TS11	TF11	TN11	TTOC11	TTOP11	RS11
Squab	605.0	26/7	0.966	VES116	HES116	VED116	HED116	AES116	ACS116	CJ116	JC11	TS11	TF11	TN11	TTOC11	TTOP11	RS11
Teal	605.0	30/19	0.994	VES126	HES126	VED126	HED126	AES126	ACS126	CJ126	JC12	TS12	TF12	TN12	TTOC12	TTOP12	RS12
Swift	636.0	36/1	0.930	VES101	HES101	VED101	HED101	AES101	ACS101	CJ101	JC10	TS10	TF10	TN10	TTOC10	TTOP10	RS10
Kingbird	636.0	18/1	0.940	VES103	HES103	VED103	HED103	AES103	ACS103	CJ103	JC10	TS10	TF10	TN10	TTOC10	TTOP10	RS10
Rook	636.0	24/7	0.978	VES115	HES115	VED115	HED115	AES115	ACS115	CJ115	JC11	TS11	TF11	TN11	TTOC11	TTOP11	RS11
Grosbeak	636.0	26/7	0.990	VES116	HES116	VED116	HED116	AES116	ACS116	CJ116	JC11	TS11	TF11	TN11	TTOC11	TTOP11	RS11
Egret	636.0	30/19	1.019	VES126	HES126	VED126	HED126	AES126	ACS126	CJ126	JC12	TS12	TF12	TN12	TTOC12	TTOP12	RS12
Flamingo	666.6	24/7	1.000	VES115	HES115	VED115	HED115	AES115	ACS115	CJ115	JC11	TS11	TF11	TN11	TTOC11	TTOP11	RS11
Stilt	715.5	24/7	1.036	VES115	HES115	VED115	HED115	AES115	ACS115	CJ115	JC11	TS11	TF11	TN11	TTOC11	TTOP11	RS11
Starling	715.5	26/7	1.051	VES126	HES126	VED126	HED126	AES126	ACS126	CJ126	JC12	TS12	TF12	TN12	TTOC12	TTOP12	RS12
Redwing	715.5	30/19	1.081	VES136	HES136	VED136	HED136	AES136	ACS136	CJ136	JC13	TS13	TF13	TN13	TTOC13	TTOP13	RS13
Coot	795.0	36/1	1.040	VES111	HES111	VED111	HED111	AES111	ACS111	CJ111	JC11	TS11	TF11	TN11	TTOC11	TTOP11	RS11
Tern	795.0	45/7	1.063	VES123	HES123	VED123	HED123	AES123	ACS123	CJ123	JC12	TS12	TF12	TN12	TTOC12	TTOP12	RS12
Cuckoo	795.0	24/7	1.092	VES125	HES125	VED125	HED125	AES125	ACS125	CJ125	JC12	TS12	TF12	TN12	TTOC12	TTOP12	RS12
Condor	795.0	54/7	1.092	VES125	HES125	VED125	HED125	AES125	ACS125	CJ125	JC12	TS12	TF12	TN12	TTOC12	TTOP12	RS12
Drake	795.0	26/7	1.108	VES126	HES126	VED126	HED126	AES126	ACS126	CJ126	JC12	TS12	TF12	TN12	TTOC12	TTOP12	RS12
Mallard	795.0	30/19	1.140	VES146	HES146	VED146	HED146	AES146	ACS146	CJ146	JC14	TS14	TF14	TN14	TTOC14	TTOP14	RS14
Ruddy	900.0	45/7	1.131	VES124	HES124	VED124	HED124	AES124	ACS124	CJ124	JC12	TS12	TF12	TN12	TTOC12	TTOP12	RS12
Canary	900.0	54/7	1.162	VES135	HES135	VED135	HED135	AES135	ACS135	CJ135	JC13	TS13	TF13	TN13	TTOC13	TTOP13	RS13
Catbird	954.0	36/1	1.140	VES121	HES121	VED121	HED121	AES121	ACS121	CJ121	JC12	TS12	TF12	TN12	TTOC12	TTOP12	RS12
Rail	954.0	45/7	1.165	VES133	HES133	VED133	HED133	AES133	ACS133	CJ133	JC13	TS13	TF13	TN13	TTOC13	TTOP13	RS13
Cardinal	954.0	54/7	1.196	VES135	HES135	VED135	HED135	AES135	ACS135	CJ135	JC13	TS13	TF13	TN13	TTOC13	TTOP13	RS13
Tanger	1033.5	36/1	1.186	VES131	HES131	VED131	HED131	AES131	ACS131	CJ131	JC13	TS13	TF13	TN13	TTOC13	TTOP13	RS13
Ortolan	1033.5	45/7	1.212	VES134	HES134	VED134	HED134	AES134	ACS134	CJ134	JC13	TS13	TF13	TN13	TTOC13	TTOP13	RS13

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Quick Reference Guide for Quick Compress Accessories for ACSR Conductor (cont.)

CONDUCTOR				COMPRESSION ACCESSORIES													
CODE WORD	SIZE	STRANDING	DIA.	DEAD END ASSEMBLIES						JOINT	JUMPER CONNECTOR	TERMINAL CONNECTORS			OPEN RUN TEE CONNECTOR	OPEN RUN TEE TAP	REPAIR SLEEVE
	KCMIL	AL/ST	IN	VERT. EYE SINGLE TONGUE	HOR. EYE SINGLE TONGUE	VERT. EYE DOUBLE TONGUE	HOR. EYE DOUBLE TONGUE	ADJ. EYE SINGLE TONGUE	ADJ. CLEVIS SINGLE TONGUE			STRAIGHT	15°	90°			
Curlew	1033.5	54/7	1.246	VES145	HES145	VED145	HED145	AES145	ACS145	CJ145	JC14	TS14	TF14	TN14	TTOC14	TTOP14	RS14
Bluejay	1113.0	45/7	1.259	VES143	HES143	VED143	HED143	AES143	ACS143	CJ143	JC14	TS14	TF14	TN14	TTOC14	TTOP14	RS14
Finch	1113.0	54/19	1.293	VES145	HES145	VED145	HED145	AES145	ACS145	CJ145	JC14	TS14	TF14	TN14	TTOC14	TTOP14	RS14
Bunting	1192.5	45/7	1.302	VES144	HES144	VED144	HED144	AES144	ACS144	CJ144	JC14	TS14	TF14	TN14	TTOC14	TTOP14	RS14
Grackle	1192.5	54/19	1.333	VES155	HES155	VED155	HED155	AES155	ACS155	CJ155	JC15	TS15	TF15	TN15	TTOC15	TTOP15	RS15
Bittern	1272.0	45/7	1.345	VES153	HES153	VED153	HED153	AES153	ACS153	CJ153	JC15	TS15	TF15	TN15	TTOC15	TTOP15	RS15
Pheasant	1272.0	54/19	1.382	VES155	HES155	VED155	HED155	AES155	ACS155	CJ155	JC15	TS15	TF15	TN15	TTOC15	TTOP15	RS15
Dipper	1351.5	45/7	1.386	VES154	HES154	VED154	HED154	AES154	ACS154	CJ154	JC15	TS15	TF15	TN15	TTOC15	TTOP15	RS15
Martin	1351.5	54/19	1.424	VES155	HES155	VED155	HED155	AES155	ACS155	CJ155	JC15	TS15	TF15	TN15	TTOC15	TTOP15	RS15
Bobolink	1431.0	45/7	1.427	VES163	HES163	VED163	HED163	AES163	ACS163	CJ163	JC16	TS16	TF16	TN16	TTOC16	TTOP16	RS16
Plover	1431.0	54/19	1.465	VES165	HES165	VED165	HED165	AES165	ACS165	CJ165	JC16	TS16	TF16	TN16	TTOC16	TTOP16	RS16
Nuthatch	1510.5	45/7	1.466	VES164	HES164	VED164	HED164	AES164	ACS164	CJ164	JC16	TS16	TF16	TN16	TTOC16	TTOP16	RS16
Parrot	1510.5	54/19	1.505	VES165	HES165	VED165	HED165	AES165	ACS165	CJ165	JC16	TS16	TF16	TN16	TTOC16	TTOP16	RS16
Lapwing	1590.0	45/7	1.504	VES164	HES164	VED164	HED164	AES164	ACS164	CJ164	JC16	TS16	TF16	TN16	TTOC16	TTOP16	RS16
Falcon	1590.0	54/19	1.545	VES175	HES175	VED175	HED175	AES175	ACS175	CJ175	JC17	TS17	TF17	TN17	TTOC17	TTOP17	RS17
Chukar	1780.0	84/19	1.602	VES174	HES174	VED174	HED174	AES174	ACS174	CJ174	JC17	TS17	TF17	TN17	TTOC17	TTOP17	RS17
—	2034.0	72/7	1.681	VES183	HES183	VED183	HED183	AES183	ACS183	CJ183	JC18	TS18	TF18	TN18	TTOC18	TTOP18	RS18
Bluebird	2156.0	84/19	1.762	VES194	HES194	VED194	HED194	AES194	ACS194	CJ194	JC19	TS19	TF19	TN19	TTOC19	TTOP19	RS19
Kiwi	2167.0	72/7	1.735	VES193	HES193	VED193	HED193	AES193	ACS193	CJ193	JC19	TS19	TF19	TN19	TTOC19	TTOP19	RS19
Thrasher	2312.0	76/19	1.802	VES193	HES193	VED193	HED193	AES193	ACS193	CJ193	JC19	TS19	TF19	TN19	TTOC19	TTOP19	RS19
Joree	2515.0	76/19	1.880	VES203	HES203	VED203	HED203	AES203	ACS203	CJ203	JC20	TS20	TF20	TN20	TTOC20	TTOP20	RS20

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Quick Reference Guide for Quick Compress Accessories for AAC Conductor

CONDUCTOR				COMPRESSION ACCESSORIES													
CODE WORD	SIZE	STRANDING	DIA.	DEAD END ASSEMBLIES						JOINT	JUMPER CONNECTOR	TERMINAL CONNECTORS			OPEN RUN TEE CONNECTOR	OPEN RUN TEE TAP	REPAIR SLEEVE
	KCMIL	AL/ST	IN	VERT. EYE SINGLE TONGUE	HOR. EYE SINGLE TONGUE	VERT. EYE DOUBLE TONGUE	HOR. EYE DOUBLE TONGUE	ADJ. EYE SINGLE TONGUE	ADJ. CLEVIS SINGLE TONGUE			STRAIGHT	15°	90°			
Peony	300.0	19	0.629	VESE070	HESE070	VEDE070	HEDE070	AESE070	ACSE070	CJE07	JC07	TS07	TF07	TN07	TTOC07	TTOP07	RS07
Tulip	336.4	19	0.666	VESE070	HESE070	VEDE070	HEDE070	AESE070	ACSE070	CJE07	JC07	TS07	TF07	TN07	TTOC07	TTOP07	RS07
Daffodil	350.0	19	0.679	VESE070	HESE070	VEDE070	HEDE070	AESE070	ACSE070	CJE07	JC07	TS07	TF07	TN07	TTOC07	TTOP07	RS07
Canna	397.5	19	0.724	VESE080	HESE080	VEDE080	HEDE080	AESE080	ACSE080	CJE08	JC08	TS08	TF08	TN08	TTOC08	TTOP08	RS08
Goldentuft	450.0	19	0.770	VESE090	HESE090	VEDE090	HEDE090	AESE090	ACSE090	CJE09	JC09	TS09	TF09	TN09	TTOC09	TTOP09	RS09
Yarrow	450.0	37	0.770	VESE090	HESE090	VEDE090	HEDE090	AESE090	ACSE090	CJE09	JC09	TS09	TF09	TN09	TTOC09	TTOP09	RS09
Cosmos	477.0	19	0.793	VESE090	HESE090	VEDE090	HEDE090	AESE090	ACSE090	CJE09	JC09	TS09	TF09	TN09	TTOC09	TTOP09	RS09
Syringa	477.0	37	0.795	VESE090	HESE090	VEDE090	HEDE090	AESE090	ACSE090	CJE09	JC09	TS09	TF09	TN09	TTOC09	TTOP09	RS09
Zinnia	500.0	19	0.811	VESE090	HESE090	VEDE090	HEDE090	AESE090	ACSE090	CJE09	JC09	TS09	TF09	TN09	TTOC09	TTOP09	RS09
Hyacinth	500.0	37	0.813	VESE090	HESE090	VEDE090	HEDE090	AESE090	ACSE090	CJE09	JC09	TS09	TF09	TN09	TTOC09	TTOP09	RS09
Dahlia	556.5	19	0.856	VESE100	HESE100	VEDE100	HEDE100	AESE100	ACSE100	CJE10	JC10	TS10	TF10	TN10	TTOC10	TTOP10	RS10
Mistletoe	556.5	37	0.858	VESE100	HESE100	VEDE100	HEDE100	AESE100	ACSE100	CJE10	JC10	TS10	TF10	TN10	TTOC10	TTOP10	RS10
Meadowsweet	600.0	37	0.891	VESE100	HESE100	VEDE100	HEDE100	AESE100	ACSE100	CJE10	JC10	TS10	TF10	TN10	TTOC10	TTOP10	RS10
Orchid	636.0	37	0.918	VESE100	HESE100	VEDE100	HEDE100	AESE100	ACSE100	CJE10	JC10	TS10	TF10	TN10	TTOC10	TTOP10	RS10
Heuchera	650.0	37	0.928	VESE100	HESE100	VEDE100	HEDE100	AESE100	ACSE100	CJE10	JC10	TS10	TF10	TN10	TTOC10	TTOP10	RS10
Verbena	700.0	37	0.963	VESE110	HESE110	VEDE110	HEDE110	AESE110	ACSE110	CJE11	JC11	TS11	TF11	TN11	TTOC11	TTOP11	RS11
Flag	700.0	61	0.964	VESE110	HESE110	VEDE110	HEDE110	AESE110	ACSE110	CJE11	JC11	TS11	TF11	TN11	TTOC11	TTOP11	RS11
Violet	715.5	37	0.974	VESE110	HESE110	VEDE110	HEDE110	AESE110	ACSE110	CJE11	JC11	TS11	TF11	TN11	TTOC11	TTOP11	RS11
Nasturtium	715.5	61	0.975	VESE110	HESE110	VEDE110	HEDE110	AESE110	ACSE110	CJE11	JC11	TS11	TF11	TN11	TTOC11	TTOP11	RS11
Petunia	750.0	37	0.997	VESE110	HESE110	VEDE110	HEDE110	AESE110	ACSE110	CJE11	JC11	TS11	TF11	TN11	TTOC11	TTOP11	RS11
Cattail	750.0	61	0.998	VESE110	HESE110	VEDE110	HEDE110	AESE110	ACSE110	CJE11	JC11	TS11	TF11	TN11	TTOC11	TTOP11	RS11
Arbutus	795.0	37	1.026	VESE110	HESE110	VEDE110	HEDE110	AESE110	ACSE110	CJE11	JC11	TS11	TF11	TN11	TTOC11	TTOP11	RS11
Lilac	795.0	61	1.028	VESE110	HESE110	VEDE110	HEDE110	AESE110	ACSE110	CJE11	JC11	TS11	TF11	TN11	TTOC11	TTOP11	RS11
—	800.0	37	1.031	VESE110	HESE110	VEDE110	HEDE110	AESE110	ACSE110	CJE11	JC11	TS11	TF11	TN11	TTOC11	TTOP11	RS11
Hellotrope	800.0	61	1.031	VESE110	HESE110	VEDE110	HEDE110	AESE110	ACSE110	CJE11	JC11	TS11	TF11	TN11	TTOC11	TTOP11	RS11
Cockscomb	900.0	37	1.092	VESE120	HESE120	VEDE120	HEDE120	AESE120	ACSE120	CJE12	JC12	TS12	TF12	TN12	TTOC12	TTOP12	RS12
Snapdragon	900.0	61	1.094	VESE120	HESE120	VEDE120	HEDE120	AESE120	ACSE120	CJE12	JC12	TS12	TF12	TN12	TTOC12	TTOP12	RS12
Magnolia	954.0	37	1.124	VESE120	HESE120	VEDE120	HEDE120	AESE120	ACSE120	CJE12	JC12	TS12	TF12	TN12	TTOC12	TTOP12	RS12
Goldenrod	954.0	61	1.126	VESE120	HESE120	VEDE120	HEDE120	AESE120	ACSE120	CJE12	JC12	TS12	TF12	TN12	TTOC12	TTOP12	RS12
Hawkweed	1000.0	37	1.150	VESE130	HESE130	VEDE130	HEDE130	AESE130	ACSE130	CJE13	JC13	TS13	TF13	TN13	TTOC13	TTOP13	RS13
Camellia	1000.0	61	1.152	VESE130	HESE130	VEDE130	HEDE130	AESE130	ACSE130	CJE13	JC13	TS13	TF13	TN13	TTOC13	TTOP13	RS13
Bluebell	1033.5	37	1.170	VESE130	HESE130	VEDE130	HEDE130	AESE130	ACSE130	CJE13	JC13	TS13	TF13	TN13	TTOC13	TTOP13	RS13
Larkspur	1033.5	61	1.172	VESE130	HESE130	VEDE130	HEDE130	AESE130	ACSE130	CJE13	JC13	TS13	TF13	TN13	TTOC13	TTOP13	RS13
Marigold	1113.0	61	1.216	VESE130	HESE130	VEDE130	HEDE130	AESE130	ACSE130	CJE13	JC13	TS13	TF13	TN13	TTOC13	TTOP13	RS13
Hawthorn	1192.5	61	1.258	VESE140	HESE140	VEDE140	HEDE140	AESE140	ACSE140	CJE14	JC14	TS14	TF14	TN14	TTOC14	TTOP14	RS14
—	1250.0	127	1.289	VESE140	HESE140	VEDE140	HEDE140	AESE140	ACSE140	CJE14	JC14	TS14	TF14	TN14	TTOC14	TTOP14	RS14
Narcissus	1272.0	61	1.300	VESE140	HESE140	VEDE140	HEDE140	AESE140	ACSE140	CJE14	JC14	TS14	TF14	TN14	TTOC14	TTOP14	RS14
—	1300.0	127	1.315	VESE140	HESE140	VEDE140	HEDE140	AESE140	ACSE140	CJE14	JC14	TS14	TF14	TN14	TTOC14	TTOP14	RS14
Columbine	1351.0	61	1.340	VESE150	HESE150	VEDE150	HEDE150	AESE150	ACSE150	CJE15	JC15	TS15	TF15	TN15	TTOC15	TTOP15	RS15
Carnation	1431.0	61	1.379	VESE150	HESE150	VEDE150	HEDE150	AESE150	ACSE150	CJE15	JC15	TS15	TF15	TN15	TTOC15	TTOP15	RS15
—	1500.0	91	1.412	VESE150	HESE150	VEDE150	HEDE150	AESE150	ACSE150	CJE15	JC15	TS15	TF15	TN15	TTOC15	TTOP15	RS15
Gladiolus	1510.5	61	1.417	VESE150	HESE150	VEDE150	HEDE150	AESE150	ACSE150	CJE15	JC15	TS15	TF15	TN15	TTOC15	TTOP15	RS15
Coreopsis	1590.0	61	1.454	VESE160	HESE160	VEDE160	HEDE160	AESE160	ACSE160	CJE16	JC16	TS16	TF16	TN16	TTOC16	TTOP16	RS16
Dogwood	1590.0	91	1.454	VESE160	HESE160	VEDE160	HEDE160	AESE160	ACSE160	CJE16	JC16	TS16	TF16	TN16	TTOC16	TTOP16	RS16
Jessamine	1750.0	61	1.525	VESE170	HESE170	VEDE170	HEDE170	AESE170	ACSE170	CJE17	JC17	TS17	TF17	TN17	TTOC17	TTOP17	RS17
Cowslip	2000.0	91	1.630	VESE180	HESE180	VEDE180	HEDE180	AESE180	ACSE180	CJE18	JC18	TS18	TF18	TN18	TTOC18	TTOP18	RS18
Sagebrush	2250.0	91	1.729	VESE190	HESE190	VEDE190	HEDE190	AESE190	ACSE190	CJE19	JC19	TS19	TF19	TN19	TTOC19	TTOP19	RS19
—	2300.0	91	1.750	VESE190	HESE190	VEDE190	HEDE190	AESE190	ACSE190	CJE19	JC19	TS19	TF19	TN19	TTOC19	TTOP19	RS19
Lupine	2500.0	91	1.823	VESE200	HESE200	VEDE200	HEDE200	AESE200	ACSE200	CJE20	JC20	TS20	TF20	TN20	TTOC20	TTOP20	RS20

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Quick Reference Guide for Quick Compress Accessories for AAAC and ACAR Conductors

CONDUCTOR			COMPRESSION ACCESSORIES													
	SIZE	DIA.	DEAD END ASSEMBLIES						JOINT	JUMPER CONNECTOR	TERMINAL CONNECTORS			OPEN RUN TEE CONNECTOR	OPEN RUN TEE TAP	REPAIR SLEEVE
CODE WORD	KCMIL	IN	VERT. EYE SINGLE TONGUE	HOR. EYE SINGLE TONGUE	VERT. EYE DOUBLE TONGUE	HOR. EYE DOUBLE TONGUE	ADJ. EYE SINGLE TONGUE	ADJ. CLEVIS SINGLE TONGUE			STRAIGHT	15°	90°			
—	281.4	0.609	VES070	HES070	VED070	HED070	AES070	ACS070	CJ07	JC07	TS07	TF07	TN07	TTOC07	TTOP07	RS07
Butte	312.8	0.642	VES070	HES070	VED070	HED070	AES070	ACS070	CJ07	JC07	TS07	TF07	TN07	TTOC07	TTOP07	RS07
—	355.1	0.684	VES080	HES080	VED080	HED080	AES080	ACS080	CJ08	JC08	TS08	TF08	TN08	TTOC08	TTOP08	RS08
Canton	394.5	0.721	VES080	HES080	VED080	HED080	AES080	ACS080	CJ08	JC08	TS08	TF08	TN08	TTOC08	TTOP08	RS08
—	419.6	0.743	VES080	HES080	VED080	HED080	AES080	ACS080	CJ08	JC08	TS08	TF08	TN08	TTOC08	TTOP08	RS08
Cario	465.4	0.783	VES090	HES090	VED090	HED090	AES090	ACS090	CJ09	JC09	TS09	TF09	TN09	TTOC09	TTOP09	RS09
—	503.6	0.814	VES090	HES090	VED090	HED090	AES090	ACS090	CJ09	JC09	TS09	TF09	TN09	TTOC09	TTOP09	RS09
Darien	559.5	0.858	VES100	HES100	VED100	HED100	AES100	ACS100	CJ10	JC10	TS10	TF10	TN10	TTOC10	TTOP10	RS10
—	587.2	0.879	VES100	HES100	VED100	HED100	AES100	ACS100	CJ10	JC10	TS10	TF10	TN10	TTOC10	TTOP10	RS10
—	634.9	0.914	VES100	HES100	VED100	HED100	AES100	ACS100	CJ10	JC10	TS10	TF10	TN10	TTOC10	TTOP10	RS10
—	649.5	0.928	VES100	HES100	VED100	HED100	AES100	ACS100	CJ10	JC10	TS10	TF10	TN10	TTOC10	TTOP10	RS10
Elgin	652.4	0.927	VES100	HES100	VED100	HED100	AES100	ACS100	CJ10	JC10	TS10	TF10	TN10	TTOC10	TTOP10	RS10
—	657.3	0.930	VES100	HES100	VED100	HED100	AES100	ACS100	CJ10	JC10	TS10	TF10	TN10	TTOC10	TTOP10	RS10
Flint	740.8	0.991	VES110	HES110	VED110	HED110	AES110	ACS110	CJ11	JC11	TS11	TF11	TN11	TTOC11	TTOP11	RS11
—	853.7	1.063	VES120	HES120	VED120	HED120	AES120	ACS120	CJ12	JC12	TS12	TF12	TN12	TTOC12	TTOP12	RS12
Greeley	927.2	1.108	VES120	HES120	VED120	HED120	AES120	ACS120	CJ12	JC12	TS12	TF12	TN12	TTOC12	TTOP12	RS12
—	1024.5	1.165	VES130	HES130	VED130	HED130	AES130	ACS130	CJ13	JC13	TS13	TF13	TN13	TTOC13	TTOP13	RS13
—	1080.6	1.196	VES130	HES130	VED130	HED130	AES130	ACS130	CJ13	JC13	TS13	TF13	TN13	TTOC13	TTOP13	RS13
—	1108.6	1.212	VES130	HES130	VED130	HED130	AES130	ACS130	CJ13	JC13	TS13	TF13	TN13	TTOC13	TTOP13	RS13
—	1172.3	1.246	VES140	HES140	VED140	HED140	AES140	ACS140	CJ14	JC14	TS14	TF14	TN14	TTOC14	TTOP14	RS14
—	1534.0	1.427	VES160	HES160	VED160	HED160	AES160	ACS160	CJ16	JC16	TS16	TF16	TN16	TTOC16	TTOP16	RS16
—	1700.0	1.502	VES160	HES160	VED160	HED160	AES160	ACS160	CJ16	JC16	TS16	TF16	TN16	TTOC16	TTOP16	RS16
—	2303.5	1.750	VES190	HES190	VED190	HED190	AES190	ACS190	CJ19	JC19	TS19	TF19	TN19	TTOC19	TTOP19	RS19
—	2338.0	1.762	VES190	HES190	VED190	HED190	AES190	ACS190	CJ19	JC19	TS19	TF19	TN19	TTOC19	TTOP19	RS19
—	2493.0	1.821	VES200	HES200	VED200	HED200	AES200	ACS200	CJ20	JC20	TS20	TF20	TN20	TTOC20	TTOP20	RS20

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Quick Compress Catalog Numbering System

The simplified AFL catalog numbering system for alloy compression connectors facilitates specying, ordering and inventory control. The catalog number is stamped on each compression connector for easy and positive field identification.

Example: Catalog No. VES126

TYPE OF CONNECTOR	TUBE CODE	CORE GRIP CODE
VES (see table below)	① **XX**	②③ **Y** ⑤ **Y N T**

Example:

CONDUCTOR	DEAD END	CORE GRIP	DIE SIZE	TERMINAL	DEAD END ASSEMBLY
795.26/7 ACSR	VES12	CG126	12CD	TF12	VES126
927 kcmil-6201	VES12	–	12CD	TF12	VES120
954 kcmil-1350(EC)	VESE12	–	12CD	TF12	VES120

⑦TYPE OF CONNECTOR	STANDARD U.S. SIZES			BRITISH, EUROPEAN AND STANDARD METRIC SIZES		
	ACSR	1350(EC)	ALLOY ACAR	ACSR	1350(EC)	ALLOY ACAR
Dead Ends, Vertical Eye, Single Tongue	VES	VESE	VES	VESM	VESEM	VESM
Dead Ends, Vertical Eye, Double Tongue	VED	VEDE	VED	VEDM	VEDEM	VEDM
Dead Ends, Horizontal Eye, Single Tongue	HES	HESE	HES	HESM	HESEM	HESM
Dead Ends, Horizontal Eye, Double Tongue	HED	HEDE	HED	HEDM	HEDEM	HEDM
Dead Ends, Adjustable Eye, Single Tongue	AES	AESE	AES	AESM	AESEM	AESM
Dead Ends, Adjustable Eye, Double Tongue	AED	AEDE	AED	AEDM	AEDEM	AEDM
Dead Ends, Adjustable Clevis, Single Tongue	ACS	ACSE	ACS	ACSM	ACSEM	ACSM
Dead Ends, Adjustable Clevis, Double Tongue	ACD	ACDE	ACD	ACDM	ACDEM	ACDM
Terminal Connectors, Straight Pad	TS	TS	TS	TSM	TSM	TSM
Terminal Connectors, 15° Pad ⑥	TF	TF	TF	TFM	TFM	TFM
Terminal Connectors, 45° Pad	T45	T45	T45	T45M	T45M	T45M
Terminal Connectors, 90° Pad	TN	TN	TN	TNM	TNM	TNM
Compression Joints	CJ	CJE	CJ	CJM	CJEM	CJM
Jumper Connector	JC	JC	JC	JCM	JCM	JCM
Repair Sleeve	RS	RS	RS	RSM	RSM	RSM
Core Grip	CG	–	–	CG	–	–
Tee Connector - Closed Run, Cable to Cable	TTCC	TTCC	TTCC	TTCCM	TTCCM	TTCCM
Tee Connector - Open Run, Cable to Cable	TTOC	TTOC	TTOC	TTOCM	TTOCM	TTOCM
Tee Tap - Closed Run, Cable to Pad	TTCP	TTCP	TTCP	TTCPM	TTCPM	TTCPM
Tee Tap - Open Run, Cable to Pad	TTOP	TTOP	TTOP	TTOPM	TTOPM	TTOPM

NOTES:

① The two digit number (denoted by XX) defines tube code. These numbers will be 07 through 21 inclusive.

② A single digit suffix (denoted by Y) is used to order the dead end assembly or joint assembly. This suffix also shows the core grip code. These numbers will be 0 through 7 inclusive, where 0 indicates no core grip and 1 through 7 indicates the core grip for a given tube size.

③ The dead end assembly for an ACSR consists of the prefilled aluminum dead end body precompressed onto the steel eye, the 15° terminal connector, hardware and core grip. Double tongue dead end assemblies include two terminal connectors. The joint assembly for ACSR consists of a prefilled aluminum sleeve and two core grips.

④ The dead end assembly for SAC conductors consists of the prefilled dead end body, precompressed onto the steel eye, the 15° terminal connector and hardware. Double tongue dead end assemblies include two terminal connectors.

⑤ To order dead end assembly without the jumper terminal, specify VESXXYNT. For the VES126NT, the assembly would consist of the VES12 dead end and CG126 core grip for the 795 26/7 ACSR.

⑥ The 15° terminal connectors are supplied with 1/2 inch aluminum alloy bolts, nuts and washers. Terminal sizes 12 and larger are supplied with corona bolts.

⑦ With the exception of repair sleeves, tee connectors and tee taps all of the compression barrels are prefilled with AFC.

⑧ Die code for compressors:

		Compressor Model:	
B – CD		12A	
30 – CD		30A	
60 – CD		60A	
100 – CD		100A	

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Quick Compress Catalog Numbering System (cont.)

TUBE, CORE GRIP AND ASSEMBLY CODES FOR ACSR CONDUCTORS

CONDUCTOR SIZE			TUBE CODE XX	ASSEMBLY AND CORE GRIP CODE CG
KCMIL	MM²	STRAND		
266.8	135.2	6/7 18/1 26/7	07 07 07	075 072 076
300.0	152.0	26/7	08	085
336.4	170.5	18/1 26/7 30/7	08 08 09	082 086 096
397.5	201.4	18/1 24/7 26/7 30/7	08 09 09 10	083 095 096 106
477.0	241.7	18/1 24/7 26/7 30/7	09 09 10 11	092 095 096 106
556.5	282.0	18/1 24/7 26/7 30/7	10 10 10 11	102 105 106 117
605.0	306.8	24/7 26/7 30/19	11 11 12	115 116 126
636.0	322.3	18/1 24/7 26/7 30/19 36/1	10 11 11 12 10	103 115 116 126 101
666.8	337.7	24/7	11	115
715.5	362.6	24/7 26/7 30/19	11 12 13	115 126 138
795.0	402.8	24/7 26/7 30/19 36/1 45/7 54/7	12 12 14 11 12 12	125 126 146 111 123 125
900.0	456.1	45/7 54/7	12 13	124 135
954.0	483.4	36/1 45/7 54/7	12 13 13	121 133 135
1033.5	523.7	36/1 45/7 54/7	13 13 14	131 134 145
1113.0	583.9	45/7 54/19	14 14	143 145

TUBE, CORE GRIP AND ASSEMBLY CODES FOR ACSR CONDUCTORS (cont.)

CONDUCTOR SIZE			TUBE CODE XX	ASSEMBLY AND CORE GRIP CODE CG
KCMIL	MM²	STRAND		
1192.5	604.3	45/7 54/19	14 15	144 155
1272.0	644.5	45/7 54/19	15 15	153 153
1351.5	685.2	45/7 54/19	15 15	154 155
1431.0	725.2	45/7 54/19	16 16	163 165
1510.5	765.2	45/7 54/19	16 16	164 165
1590.0	805.8	45/7 54/19	16 17	164 175
1780.0	901.9	84/19	17	174
2034.0	1030.6	72/7	18	183
2156.0	1092.3	84/19	19	194
2167.0	1098.1	72/7	19	193
2312.0	1171.5	76/19	19	193
2515.0	1274.4	76/19	20	203

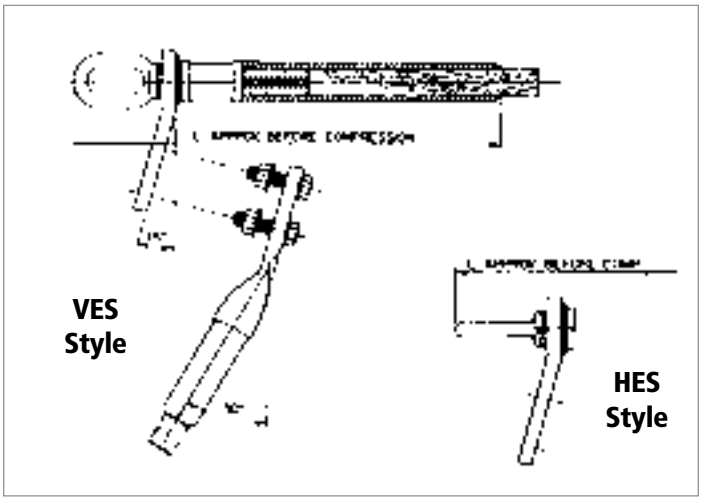
STRANDED ALUMINUM CONDUCTORS CONDUCTOR DIAMETER RANGE AND TUBE CODE

DIAMETER RANGE				TUBE CODE XX
INCHES		MILLIMETERS		
MIN.	MAX.	MIN.	MAX.	
.595	.680	15.1	17.3	07
.680	.765	17.3	19.4	08
.765	.855	19.4	21.7	09
.855	.950	21.7	24.1	10
.950	1.1045	24.1	26.5	11
1.045	1.140	26.5	29.0	12
1.140	1.235	29.0	31.4	13
1.235	1.330	31.4	33.8	14
1.330	1.425	33.8	36.2	15
1.425	1.520	36.2	38.6	16
1.520	1.615	38.6	41.0	17
1.615	1.710	41.0	43.4	18
1.710	1.805	43.4	45.8	19
1.805	1.900	45.8	48.3	20

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Quick Compress Dead Ends for ACSR Conductor, Eye Type, Single Tongue, VES/HES Series



The Quick Compress Dead Ends are designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites while maintaining a minimum 95% of the ASTM rated strength. The core grip eliminates the need for a steel compression barrel. The steel eye is pre-compressed and the dead end pre-filled, eliminating installation steps.

The dead end tongue and terminal pad are each constructed with a 15° angle, which permits the terminal connector to be bolted in either the straight or the 30° position. Both sides of the pad are finished, creating excellent electrical contact surfaces. For pad to pad connections, AFL recommends the use of No. 2 EJC.

The end tapers of all compression accessories are supplied with a high voltage finish for die sizes 12CD and above. Corona bolts are furnished standard on 15° terminals for these section sizes.
The square edges of bolted pads of the compression accessories could cause Corona. Pads with rounded edges and corners can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector
For an assembly without a terminal connector, use 'NT'.
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'. (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 4: Assemble Catalog Number

Assy Catalog Number	+	Terminal Connector	+	EHV Finish

Example:
For a vertical eye dead end with no terminal and EHV finish for 795 Drake, the complete catalog number is:

VES126NTEHV

Notes:
1. Assembly Catalog Number includes dead end, core grip, terminal connector and aluminum hardware.
2. Eye Dimensions are on page 257.
3. Pad Dimensions are on page 257.
4. Installation Instructions for Dead Ends are on page 265.
5. Installation Instructions for Terminals are on page 272.
6. For more information on die selection and ordering instructions, see Tools and Equipment in this catalog.

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Quick Compress Dead Ends for ACSR Conductor, Eye Type, Single Tongue, VES/HES Series (cont.)

ASSEMBLY CATALOG NUMBER		CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION L		PAD SIZE
VERTICAL EYE	HORIZONTAL EYE	CODE WORD	SIZE	STRANDING	DIAMETER						
			KCMIL	AL/ST	IN		LBS	KG	IN	MM	
VES075	HES075	Owl	266.8	6/7	0.633	07CD	1.9	0.86	11.5	292	B
VES072	HES072	Waxwing	266.8	18/1	0.609	07CD	1.9	0.86	11.5	292	B
VES076	HES076	Partridge	266.8	26/7	0.642	07CD	1.9	0.86	11.5	292	B
VES085	HES085	Ostrich	300.0	26/7	0.680	08CD	2.4	1.09	12.3	313	B
VES082	HES082	Merlin	336.4	18/1	0.684	08CD	2.3	1.04	12.3	313	B
VES086	HES086	Linnet	336.4	26/7	0.720	08CD	2.4	1.09	12.3	313	B
VES096	HES096	Oriole	336.4	30/7	0.741	09CD	3.2	1.45	13.8	351	B
VES083	HES083	Chickadee	397.5	18/1	0.743	08CD	2.3	1.04	12.3	313	B
VES095	HES095	Brant	397.5	24/7	0.772	09CD	3.2	1.45	13.8	351	B
VES096	HES096	Ibis	397.5	26/7	0.783	09CD	3.2	1.45	13.8	351	B
VES106	HES106	Lark	397.5	30/7	0.806	10CD	3.7	1.68	14.7	373	B
VES092	HES092	Pelican	477.0	18/1	0.814	09CD	3.2	1.45	13.8	351	B
VES095	HES095	Flicker	477.0	24/7	0.846	09CD	3.2	1.45	13.8	351	B
VES105	HES105	Hawk	477.0	26/7	0.858	10CD	3.7	1.68	14.7	373	B
VES116	HES116	Hen	477.0	30/7	0.883	11CD	5.7	2.59	15.9	403	D
VES102	HES102	Osprey	556.5	18/1	0.879	10CD	3.7	1.68	14.7	373	B
VES105	HES105	Parakeet	556.5	24/7	0.914	10CD	3.7	1.68	14.7	373	B
VES106	HES106	Dove	556.5	26/7	0.927	10CD	3.7	1.68	14.7	373	B
VES117	HES117	Eagle	556.5	30/7	0.953	11CD	5.7	2.59	15.9	403	D
VES115	HES115	Peacock	605.0	24/7	0.953	11CD	5.7	2.59	15.9	403	D
VES116	HES116	Squab	605.0	26/7	0.966	11CD	5.7	2.59	15.9	403	D
VES126	HES126	Teal	605.0	30/19	0.994	12CD	6.5	2.59	16.7	424	D
VES103	HES103	Kingbird	636.0	18/1	0.940	10CD	3.7	1.68	14.7	373	B
VES115	HES115	Rook	636.0	24/7	0.977	11CD	5.7	2.59	15.9	403	D
VES116	HES116	Grosbeak	636.0	26/7	0.990	11CD	5.7	2.59	15.9	403	D
VES126	HES126	Egret	636.0	30/19	1.019	12CD	6.5	2.95	16.7	424	D
VES101	HES101	Swift	636.0	36/1	0.930	10CD	3.7	1.68	14.7	373	B
VES115	HES115	Flamingo	666.6	24/7	1.000	11CD	5.7	2.59	15.9	403	D
VES115	HES115	Stilt	715.5	24/7	1.036	11CD	5.7	2.59	15.9	403	D
VES126	HES126	Starling	715.5	26/7	1.051	12CD	6.5	2.95	16.7	424	D
VES136	HES136	Redwing	715.5	30/19	1.081	13CD	8.7	3.95	19.0	483	D
VES125	HES125	Cuckoo	795.0	24/7	1.092	12CD	6.5	2.95	16.7	424	D
VES126	HES126	Drake	795.0	26/7	1.108	12CD	6.5	2.95	16.7	424	D
VES146	HES146	Mallard	795.0	30/19	1.140	14CD	10.0	4.54	19.8	503	D
VES111	HES111	Coot	795.0	36/1	1.040	11CD	5.6	2.54	15.9	403	D

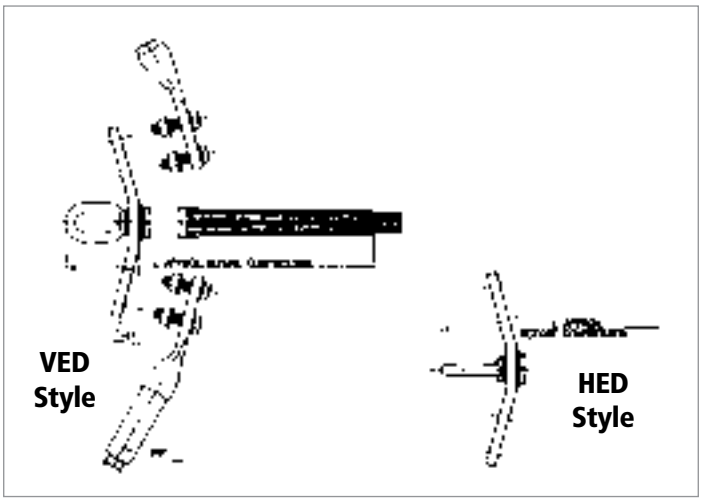
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Quick Compress Dead Ends for ACSR Conductor, Eye Type, Single Tongue, VES/HES Series (cont.)

ASSEMBLY CATALOG NUMBER		CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION L		PAD SIZE
VERTICAL EYE	HORIZONTAL EYE	CODE WORD	SIZE	STRANDING	DIAMETER						
			KCMIL	AL/ST	IN		LBS	KG	IN	MM	
VES123	HES123	Tern	795.0	45/7	1.063	12CD	6.5	2.95	16.7	424	D
VES125	HES125	Condor	795.0	54/7	1.093	12CD	6.5	2.95	16.7	424	D
VES124	HES124	Ruddy	900.0	45/7	1.131	12CD	6.5	2.95	16.7	424	D
VES135	HES135	Canary	900.0	54/7	1.162	13CD	8.7	3.95	19.0	483	D
VES121	HES121	Catbird	954.0	36/1	1.140	12CD	6.4	2.90	16.7	424	D
VES133	HES133	Rail	954.0	45/7	1.165	13CD	8.6	3.90	19.0	483	D
VES135	HES135	Cardinal	954.0	54/7	1.196	13CD	8.7	3.95	19.0	483	D
VES131	HES131	Tanger	1033.5	36/1	1.186	13CD	8.5	3.86	19.0	483	D
VES134	HES134	Oriolian	1033.5	45/7	1.212	13CD	8.6	3.90	19.0	483	D
VES145	HES145	Curlew	1033.5	54/7	1.244	14CD	9.9	4.49	19.8	503	D
VES143	HES143	Bluejay	1113.0	45/7	1.259	14CD	9.9	4.49	19.8	503	D
VES145	HES145	Finch	1113.0	54/19	1.293	14CD	9.9	4.49	19.8	503	D
VES144	HES144	Bunting	1192.5	45/7	1.302	14CD	9.9	4.49	19.8	503	D
VES155	HES155	Grackle	1192.5	54/19	1.333	15CD	11.0	4.99	20.6	524	D
VES153	HES153	Bittern	1272.0	45/7	1.345	15CD	10.9	4.49	20.6	524	D
VES155	HES155	Pheasant	1272.0	54/19	1.382	15CD	11.0	4.99	20.6	524	D
VES154	HES154	Dipper	1351.5	45/7	1.385	15CD	11.0	4.99	20.6	524	D
VES155	HES155	Martin	1351.5	54/19	1.424	15CD	11.0	4.99	20.6	524	D
VES163	HES163	Bobolink	1431.0	45/7	1.427	16CD	13.8	6.26	22.3	567	D
VES165	HES165	Plover	1431.0	54/19	1.465	16CD	13.9	6.30	22.3	567	D
VES164	HES164	Nuthatch	1510.5	45/7	1.466	16CD	13.8	6.26	22.3	567	D
VES165	HES165	Parrot	1510.5	54/19	1.506	16CD	13.9	6.30	22.3	567	D
VES164	HES164	Lapwing	1590.0	45/7	1.504	16CD	13.8	6.26	22.3	567	D
VES175	HES175	Falcon	1590.0	54/19	1.545	17CD	17.1	7.76	23.1	586	E
VES174	HES174	Chukar	1780.0	84/19	1.602	17CD	17.0	7.71	23.1	586	E
VES183	HES183	—	2034.0	72/7	1.681	18CD	18.5	8.39	23.9	607	E
VES194	HES194	Bluebird	2156.0	84/19	1.762	19CD	23.5	10.66	26.2	665	E
VES193	HES193	Kiwi	2167.0	72/7	1.737	19CD	23.4	10.61	26.2	665	E
VES193	HES193	Thrasher	2312.0	76/19	1.802	19CD	23.4	10.61	26.2	665	E
VES203	HES203	Joree	2515.0	76/19	1.880	20CD	24.9	11.29	27.0	686	E

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Quick Compress Dead Ends for ACSR Conductor, Eye Type, Double Tongue, VED/HED Series



The Quick Compress Dead Ends are designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites while maintaining a minimum 95% of the ASTM rated strength. The core grip eliminates the need for a steel compression barrel. The steel eye is precompressed and the dead end pre-filled, eliminating installation steps.

The dead end tongue and terminal pad are each constructed with a 15° angle, which permits the terminal connector to be bolted in either the straight or the 30° position. Both sides of the pad are finished, creating excellent electrical contact surfaces. For pad to pad connections, AFL recommends the use of No. 2 EJC.

The end tapers of all compression accessories are supplied with a high voltage finish for die sizes 12CD and above. Corona bolts are furnished standard on 15° terminals for these section sizes.
The square edges of bolted pads of the compression accessories could cause Corona. Pads with rounded edges and corners can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector
For an assembly without a terminal connector, use 'NT'.
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'. (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 4: Assemble Catalog Number.

Assy Catalog Number	+	Terminal Connector	+	EHV Finish

Example:
For a vertical eye dead end with no terminal and EHV finish for 795 Drake, the complete catalog number is:

VED128NTEHV

Notes:
1. Assembly Catalog Number includes dead end, core grip, two terminal connectors and aluminum hardware.
2. Eye Dimensions are on page 257.
3. Pad Dimensions are on page 257.
4. Installation Instructions for Dead Ends are on page 265.
5. Installation Instructions for Terminals are on page 272.
6. For more information on die selection and ordering instructions, see Tools and Equipment in this catalog.

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Quick Compress Dead Ends for ACSR Conductor, Eye Type, Double Tongue, VED/HED Series (cont.)

ASSEMBLY CATALOG NUMBER		CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION L		PAD SIZE
VERTICAL EYE	HORIZONTAL EYE	CODE WORD	SIZE	STRANDING	DIAMETER						
			KCMIL	AL/ST	IN		LBS	KG	IN	MM	
VED075	HED075	Owl	266.8	6/7	0.633	07CD	2.8	1.27	11.5	292	B
VED072	HED072	Waxwing	266.8	18/1	0.609	07CD	2.8	1.27	11.5	292	B
VED076	HED076	Partridge	266.8	26/7	0.642	07CD	2.8	1.27	11.5	292	B
VED085	HED085	Ostrich	300.0	26/7	0.680	08CD	3.4	1.54	12.3	313	B
VED082	HED082	Merlin	336.4	18/1	0.684	08CD	3.4	1.54	12.3	313	B
VED086	HED086	Linnet	336.4	26/7	0.720	08CD	3.4	1.54	12.3	313	B
VED096	HED096	Oriole	336.4	30/7	0.741	09CD	4.4	2.00	13.8	351	B
VED083	HED083	Chickadee	397.5	18/1	0.743	08CD	3.4	1.54	12.3	313	B
VED095	HED095	Brant	397.5	24/7	0.772	09CD	4.4	2.00	13.8	351	B
VED096	HED096	Ibis	397.5	26/7	0.783	09CD	4.4	2.00	13.8	351	B
VED106	HED106	Lark	397.5	30/7	0.806	10CD	5.3	2.40	14.7	373	B
VED092	HED092	Pelican	477.0	18/1	0.814	09CD	4.3	1.95	13.8	351	B
VED095	HED095	Flicker	477.0	24/7	0.846	09CD	4.3	1.95	13.8	351	B
VED105	HED105	Hawk	477.0	26/7	0.858	10CD	5.3	2.40	14.7	373	B
VED116	HED116	Hen	477.0	30/7	0.883	11CD	7.9	3.58	15.9	403	D
VED102	HED102	Osprey	556.5	18/1	0.879	10CD	5.3	2.40	14.7	373	B
VED105	HED105	Parakeet	556.5	24/7	0.914	10CD	5.3	2.40	14.7	373	B
VED106	HED106	Dove	556.5	26/7	0.927	10CD	5.3	2.40	14.7	373	B
VED117	HED117	Eagle	556.5	30/7	0.953	11CD	7.9	3.58	15.9	403	D
VED115	HED115	Peacock	605.0	24/7	0.953	11CD	7.9	3.58	15.9	403	D
VED116	HED116	Squab	605.0	26/7	0.966	11CD	7.9	3.58	15.9	403	D
VED126	HED126	Teal	605.0	30/19	0.994	12CD	9.2	4.17	16.7	424	D
VED103	HED103	Kingbird	636.0	18/1	0.940	10CD	5.3	2.4	14.7	373	B
VED115	HED115	Rook	636.0	24/7	0.977	11CD	7.9	3.58	15.9	403	D
VED116	HED116	Grosbeak	636.0	26/7	0.990	11CD	7.9	3.58	15.9	403	D
VED126	HED126	Egret	636.0	30/19	1.019	12CD	9.2	4.17	16.7	424	D
VED101	HED101	Swift	636.0	36/1	0.930	10CD	5.3	2.40	14.7	373	B
VED115	HED115	Flamingo	666.6	24/7	1.000	11CD	7.9	3.58	15.9	403	D
VED115	HED115	Stilt	715.5	24/7	1.036	11CD	7.9	3.58	15.9	403	D
VED126	HED126	Starling	715.5	26/7	1.051	12CD	9.2	4.17	16.7	424	D
VED136	HED136	Redwing	715.5	30/19	1.081	13CD	11.8	5.36	19.0	483	D
VED125	HED125	Cuckoo	795.0	24/7	1.092	12CD	9.2	4.17	16.7	424	D
VED126	HED126	Drake	795.0	26/7	1.108	12CD	9.2	4.17	16.7	424	D
VED146	HED146	Mallard	795.0	30/19	1.140	14CD	13.6	6.17	19.8	503	D
VED111	HED111	Coot	795.0	36/1	1.040	11CD	7.8	3.64	15.9	403	D

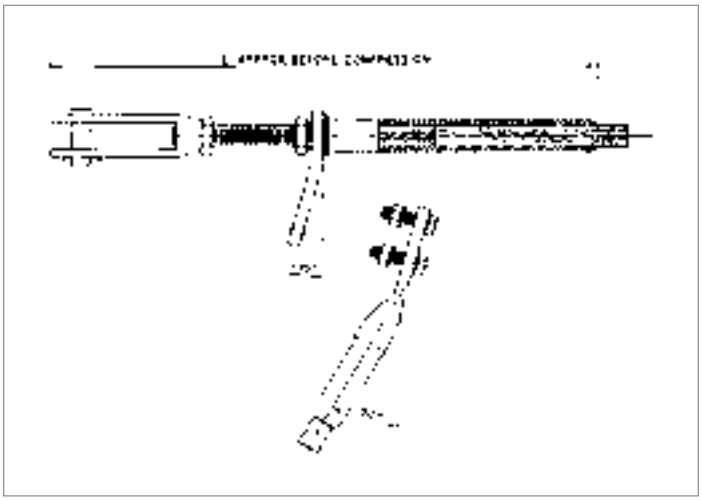
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Quick Compress Dead Ends for ACSR Conductor, Eye Type, Double Tongue, VED/HED Series (cont.)

ASSEMBLY CATALOG NUMBER		CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION L		PAD SIZE
VERTICAL EYE	HORIZONTAL EYE	CODE WORD	SIZE	STRANDING	DIAMETER						
			KCMIL	AL/ST	IN		LBS	KG	IN	MM	
VED123	HED123	Tern	795.0	45/7	1.063	12CD	9.2	4.17	16.7	424	D
VED125	HED125	Condor	795.0	54/7	1.093	12CD	9.2	4.17	16.7	424	D
VED124	HED124	Ruddy	900.0	45/7	1.131	12CD	9.2	4.17	16.7	424	D
VED135	HED135	Canary	900.0	54/7	1.162	13CD	11.8	5.35	19.0	483	D
VED121	HED121	Catbird	954.0	36/1	1.140	12CD	9.1	4.13	16.7	424	D
VED133	HED133	Rail	954.0	45/7	1.165	13CD	11.7	5.31	19.0	483	D
VED135	HED135	Cardinal	954.0	54/7	1.196	13CD	11.8	5.35	19.0	483	D
VED131	HED131	Tanger	1033.5	36/1	1.186	13CD	11.6	5.26	19.0	483	D
VED134	HED134	Ortolan	1033.5	45/7	1.212	13CD	11.7	5.31	19.0	483	D
VED145	HED145	Curlew	1033.5	54/7	1.244	14CD	13.5	6.12	19.8	503	D
VED143	HED143	Bluejay	1113.0	45/7	1.259	14CD	13.5	6.12	19.8	503	D
VED145	HED145	Finch	1113.0	54/19	1.293	14CD	13.5	6.12	19.8	503	D
VED144	HED144	Bunting	1192.5	45/7	1.302	14CD	13.5	6.12	19.8	503	D
VED155	HED155	Grackle	1192.5	54/19	1.333	15CD	15.0	6.80	20.6	524	D
VED153	HED153	Bittern	1272.0	45/7	1.345	15CD	14.9	6.76	20.6	524	D
VED155	HED155	Pheasant	1272.0	54/19	1.382	15CD	15.0	6.80	20.6	524	D
VED154	HED154	Dipper	1351.5	45/7	1.385	15CD	15.0	6.80	20.6	524	D
VED155	HED155	Martin	1351.5	54/19	1.424	15CD	15.0	6.80	20.6	524	D
VED163	HED163	Bobolink	1431.0	45/7	1.427	16CD	18.4	8.35	22.3	567	D
VED165	HED165	Plover	1431.0	54/19	1.465	16CD	18.5	8.39	22.3	567	D
VED164	HED164	Nuthatch	1510.5	45/7	1.466	16CD	18.4	8.35	22.3	567	D
VED165	HED165	Parrot	1510.5	54/19	1.506	16CD	18.5	8.39	22.3	567	D
VED164	HED164	Lapwing	1590.0	45/7	1.504	16CD	18.4	8.35	22.3	567	D
VED175	HED175	Falcon	1590.0	54/19	1.545	17CD	22.8	10.34	23.1	586	E
VED174	HED174	Chukar	1780.0	84/19	1.602	17CD	22.8	10.34	23.1	586	E
VED183	HED183	----------	2034.0	72/7	1.681	18CD	24.8	11.25	23.9	607	E
VED194	HED194	Bluebird	2156.0	84/19	1.762	19CD	30.9	14.02	26.2	665	E
VED193	HED193	Kiwi	2167.0	72/7	1.737	19CD	30.8	13.97	26.2	665	E
VED193	HED193	Thrasher	2312.0	76/19	1.802	19CD	30.8	13.97	26.2	665	E
VED203	HED203	Joree	2515.0	76/19	1.880	20CD	32.7	14.83	27.0	686	E

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Quick Compress Dead Ends for ACSR Conductor, Adjustable Clevis Type, Single Tongue, ACS Series



The Quick Compress Dead Ends are designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites while maintaining a minimum 95% of the ASTM rated strength. The core grip eliminates the need for a steel compression barrel. The adjustable steel clevis is pre-compressed and the dead end pre-filled, eliminating installation steps.

The dead end tongue and terminal pad are each constructed with a 15º angle, which permits the terminal connector to be bolted in either the straight or the 30º position. Both sides of the pad are finished, creating excellent electrical contact surfaces. For pad to pad connections, AFL recommends the use of No. 2 EJC.

The end tapers of all compression accessories are supplied with a high voltage finish for die sizes 12CD and above. Corona bolts are furnished standard on 15º terminals for these section sizes.
The square edges of bolted pads of the compression accessories could cause Corona. Pads with rounded edges and corners can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector
For an assembly without a terminal connector, use 'NT'.
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'. (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 4: Assemble Catalog Number.

Assy Catalog Number	+	Terminal Connector	+	EHV Finish

Example:
For an adjustable clevis dead end with no terminal and EHV finish for 795 Drake, the complete catalog number is:

ACS126NTEHV

Notes:
1. Assembly Catalog Number includes dead end, core grip, terminal connector and aluminum hardware.
2. Clevis Dimensions are on page 258.
3. Pad Dimensions are on page 257.
4. Installation Instructions for Dead Ends are on page 265.
5. Installation Instructions for Terminals are on page 272.
6. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

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Quick Compress Dead Ends for ACSR Conductor, Adjustable Clevis Type, Single Tongue, ACS Series (cont.)

ASSEMBLY CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION L		PAD SIZE
	CODE NAME	SIZE	STRANDING	DIAMETER						
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	
ACS075	Owl	266.8	6/7	0.633	07CD	4.4	2.00	19.3	489	B
ACS072	Waxwing	266.8	18/1	0.609	07CD	4.4	2.00	19.3	489	B
ACS076	Partridge	266.8	26/7	0.642	07CD	4.4	2.00	19.3	489	B
ACS085	Ostrich	300.0	26/7	0.680	08CD	5.2	2.36	20.2	513	B
ACS082	Merlin	336.4	18/1	0.684	08CD	5.1	2.31	20.2	513	B
ACS086	Linnet	336.4	26/7	0.720	08CD	5.2	2.36	20.2	513	B
ACS096	Oriole	336.4	30/7	0.741	09CD	6.3	2.86	21.7	551	B
ACS083	Chickadee	397.5	18/1	0.743	08CD	5.1	2.31	20.2	513	B
ACS095	Brant	397.5	24/7	0.772	09CD	6.3	2.86	21.7	551	B
ACS096	Ibis	397.5	26/7	0.783	09CD	6.3	2.86	21.7	551	B
ACS106	Lark	397.5	30/7	0.806	10CD	6.8	3.08	22.5	572	B
ACS092	Pelican	477.0	18/1	0.814	09CD	6.3	2.86	21.7	551	B
ACS095	Flicker	477.0	24/7	0.846	09CD	6.3	2.86	21.7	551	B
ACS105	Hawk	477.0	26/7	0.858	10CD	6.8	3.08	22.5	572	B
ACS116	Hen	477.0	30/7	0.883	11CD	11.3	5.13	25.9	659	D
ACS102	Osprey	556.5	18/1	0.879	10CD	6.8	3.08	22.5	572	B
ACS105	Parakeet	556.5	24/7	0.914	10CD	6.8	3.08	22.5	572	B
ACS106	Dove	556.5	26/7	0.927	10CD	6.8	3.08	22.5	572	B
ACS117	Eagle	556.5	30/7	0.953	11CD	11.3	5.13	25.9	659	D
ACS115	Peacock	605.0	24/7	0.953	11CD	11.3	5.13	25.9	659	D
ACS116	Squab	605.0	26/7	0.966	11CD	11.3	5.13	25.9	659	D
ACS126	Teal	605.0	30/19	0.994	12CD	12.1	5.49	26.8	679	D
ACS103	Kingbird	636.0	18/1	0.940	10CD	6.8	3.08	22.5	572	B
ACS115	Rook	636.0	24/7	0.977	11CD	11.3	5.13	25.9	659	D
ACS116	Grosbeak	636.0	26/7	0.990	11CD	11.3	5.13	25.9	659	D
ACS126	Egret	636.0	30/19	1.019	12CD	12.1	5.49	26.8	679	D
ACS101	Swift	636.0	36/1	0.930	10CD	6.8	3.08	22.5	572	B
ACS115	Flamingo	666.6	24/7	1.000	11CD	11.3	5.13	25.9	659	D
ACS115	Stilt	715.5	24/7	1.036	11CD	11.3	5.13	25.9	659	D
ACS126	Starling	715.5	26/7	1.051	12CD	12.1	5.49	26.8	679	D
ACS136	Redwing	715.5	30/19	1.081	13CD	15.3	6.94	28.7	729	D
ACS125	Cuckoo	795.0	24/7	1.092	12CD	12.1	5.49	26.8	679	D
ACS126	Drake	795.0	26/7	1.108	12CD	12.1	5.49	26.8	679	D
ACS146	Mallard	795.0	30/19	1.140	14CD	16.5	7.48	29.5	749	D
ACS111	Coot	795.0	36/1	1.040	11CD	11.2	5.08	25.9	659	D
ACS123	Tern	795.0	45/7	1.063	12CD	12.1	5.49	26.8	679	D
ACS125	Condor	795.0	54/7	1.093	12CD	12.1	5.49	26.8	679	D

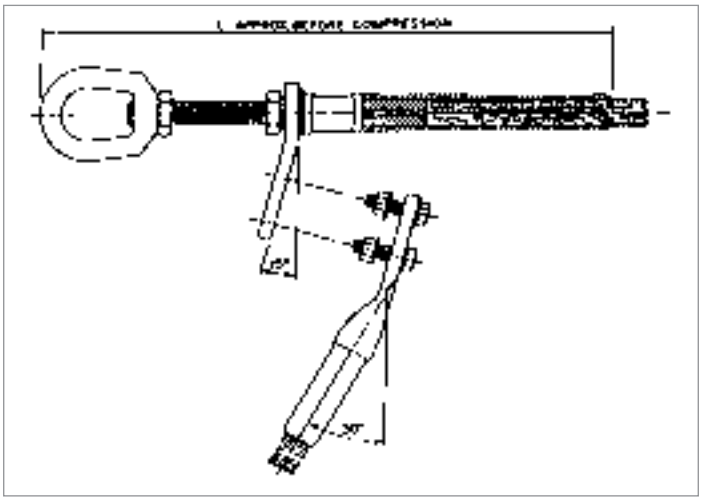
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Quick Compress Dead Ends for ACSR Conductor, Adjustable Clevis Type, Single Tongue, ACS Series (cont.)

ASSEMBLY CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION L		PAD SIZE
	CODE NAME	SIZE	STRANDING	DIAMETER						
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	
ACS124	Ruddy	900.0	45/7	1.131	12CD	12.1	5.49	26.8	679	D
ACS135	Canary	900.0	54/7	1.162	13CD	15.3	6.94	28.7	729	D
ACS121	Catbird	954.0	36/1	1.140	12CD	12.0	5.44	26.8	679	D
ACS133	Rail	954.0	45/7	1.165	13CD	15.2	6.89	28.7	729	D
ACS135	Cardinal	954.0	54/7	1.196	13CD	15.3	6.94	28.7	729	D
ACS131	Tanger	1033.5	36/1	1.186	13CD	15.1	6.85	28.7	729	D
ACS134	Ortolan	1033.5	45/7	1.212	13CD	15.2	6.89	28.7	729	D
ACS145	Curlew	1033.5	54/7	1.244	14CD	16.4	7.44	29.5	749	D
ACS143	Bluejay	1113.0	45/7	1.259	14CD	16.4	7.44	29.5	749	D
ACS145	Finch	1113.0	54/19	1.293	14CD	16.4	7.44	29.5	749	D
ACS144	Bunting	1192.5	45/7	1.302	14CD	16.4	7.44	29.5	749	D
ACS155	Grackle	1192.5	54/19	1.333	15CD	17.5	7.94	31.3	770	D
ACS153	Bittern	1272.0	45/7	1.345	15CD	17.4	7.89	30.3	770	D
ACS155	Pheasant	1272.0	54/19	1.382	15CD	17.5	7.94	30.3	770	D
ACS154	Dipper	1351.5	45/7	1.385	15CD	17.5	7.94	30.3	770	D
ACS155	Martin	1351.5	54/19	1.424	15CD	17.5	7.94	30.3	770	D
ACS163	Bobolink	1431.0	45/7	1.427	16CD	23.9	10.84	34.4	873	D
ACS165	Plover	1431.0	54/19	1.465	16CD	24.0	10.89	34.4	873	D
ACS164	Nuthatch	1510.5	45/7	1.466	16CD	23.9	10.84	34.4	873	D
ACS165	Parrot	1510.5	54/19	1.506	16CD	24.0	10.89	34.4	873	D
ACS164	Lapwing	1590.0	45/7	1.504	16CD	23.9	10.84	34.4	873	D
ACS175	Falcon	1590.0	54/19	1.545	17CD	27.2	12.34	35.3	895	E
ACS174	Chukar	1780.0	84/19	1.602	17CD	27.1	12.29	35.3	895	E
ACS183	—	2034.0	72/7	1.681	18CD	28.6	12.97	36.0	914	E
ACS194	Bluebird	2156.0	84/19	1.762	19CD	37.3	16.92	38.2	970	E
ACS193	Kiwi	2167.0	72/7	1.737	19CD	37.2	16.87	38.2	970	E
ACS193	Thrasher	2312.0	74/19	1.802	19CD	37.2	16.87	38.2	970	E
ACS203	Joree	2515.0	74/19	1.880	20CD	38.6	17.51	39.0	991	E

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Quick Compress Dead Ends for ACSR Conductor, Adjustable Eye Type, Single Tongue, AES Series



The Quick Compress Dead Ends are designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites while maintaining a minimum 95% of the ASTM rated strength. The core grip eliminates the need for a steel compression barrel. The adjustable steel eye is pre-compressed and the dead end pre-filled, eliminating installation steps.

The dead end tongue and terminal pad are each constructed with a 15° angle, which permits the terminal connector to be bolted in either the straight or the 30° position. Both sides of the pad are finished, creating excellent electrical contact surfaces. For pad to pad connections, AFL recommends the use of No. 2 EJC.

The end tapers of all compression accessories are supplied with a high voltage finish for die sizes 12CD and above. Corona bolts are furnished standard on 15° terminals for these section sizes.
The square edges of bolted pads of the compression accessories could cause Corona. Pads with rounded edges and corners can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector
For an assembly without a terminal connector, use 'NT'.
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'. (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 4: Assemble Catalog Number.

Assy Catalog Number	+	Terminal Connector	+	EHV Finish

Example:
For an adjustable eye dead end with no terminal and EHV finish for 795 Drake, the complete catalog number is:

AES126NTEHV

Notes:
1. Assembly Catalog Number includes dead end, core grip, terminal connector and aluminum hardware.
2. Eye Dimensions are on page 258.
3. Pad Dimensions are on page 257.
4. Installation Instructions for Dead Ends are on page 265.
5. Installation Instructions for Terminals are on page 272.
6. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

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Quick Compress Dead Ends for ACSR Conductor, Adjustable Eye Type, Single Tongue, AES Series (cont.)

ASSEMBLY CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION L		PAD SIZE
	CODE WORD	SIZE	STRANDING	DIAMETER						
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	
AES075	Owl	266.8	6/7	0.633	07CD	2.7	1.22	16.4	418	B
AES072	Waxwing	266.8	18/1	0.609	07CD	2.7	1.22	16.4	418	B
AES076	Partridge	266.8	26/7	0.642	07CD	2.7	1.22	16.4	418	B
AES085	Ostrich	300.0	26/7	0.680	08CD	3.9	1.77	17.8	453	B
AES082	Merlin	336.4	18/1	0.684	08CD	3.8	1.72	17.8	453	B
AES086	Linnet	336.4	26/7	0.720	08CD	3.9	1.77	17.8	453	B
AES096	Oriole	336.4	30/7	0.741	09CD	5.7	2.59	19.7	501	B
AES083	Chickadee	397.5	18/1	0.743	08CD	3.8	1.72	17.8	453	B
AES095	Brant	397.5	24/7	0.772	09CD	5.7	2.59	19.7	501	B
AES096	Ibis	397.5	26/7	0.783	09CD	5.7	2.59	19.7	501	B
AES106	Lark	397.5	30/7	0.806	10CD	6.2	2.81	20.5	521	B
AES092	Pelican	477.0	18/1	0.814	09CD	5.7	2.59	19.7	501	B
AES095	Flicker	477.0	24/7	0.846	09CD	5.7	2.59	19.7	501	B
AES105	Hawk	477.0	26/7	0.858	10CD	6.2	2.81	20.5	521	B
AES116	Hen	477.0	30/7	0.883	11CD	9.3	4.22	23.3	591	D
AES102	Osprey	556.5	18/1	0.879	10CD	6.2	2.81	20.5	521	B
AES105	Parakeet	556.5	24/7	0.914	10CD	6.2	2.81	20.5	521	B
AES106	Dove	556.5	26/7	0.927	10CD	6.2	2.81	20.5	521	B
AES117	Eagle	556.5	30/7	0.953	11CD	9.3	4.22	23.3	591	D
AES115	Peacock	605.0	24/7	0.953	11CD	9.3	4.22	23.3	591	D
AES116	Squab	605.0	26/7	0.966	11CD	9.3	4.22	23.3	591	D
AES126	Teal	605.0	30/19	0.994	12CD	10.1	4.58	24.1	611	D
AES103	Kingbird	636.0	18/1	0.940	10CD	6.2	2.81	20.5	521	B
AES115	Rook	636.0	24/7	0.977	11CD	9.3	4.22	23.3	591	D
AES116	Grosbeak	636.0	26/7	0.990	11CD	9.3	4.22	23.3	591	D
AES126	Egret	636.0	30/19	1.019	12CD	10.1	4.58	24.1	611	D
AES101	Swift	636.0	36/1	0.930	10CD	6.2	2.81	20.5	521	B
AES115	Flamingo	666.6	24/7	1.000	11CD	9.3	4.22	23.3	591	D
AES115	Stilt	715.5	24/7	1.036	11CD	9.3	4.22	23.3	591	D
AES126	Starling	715.5	26/7	1.051	12CD	10.1	4.58	24.1	611	D
AES136	Redwing	715.5	30/19	1.081	13CD	14.2	6.44	26.5	673	D
AES125	Cuckoo	795.0	24/7	1.092	12CD	10.1	4.58	24.1	611	D
AES126	Drake	795.0	26/7	1.108	12CD	10.1	4.58	24.1	611	D
AES146	Mallard	795.0	30/19	1.140	14CD	15.4	6.99	27.3	694	D
AES111	Coot	795.0	36/1	1.040	11CD	9.2	4.17	23.3	591	D
AES123	Tern	795.0	45/7	1.063	12CD	10.1	4.58	24.1	611	D

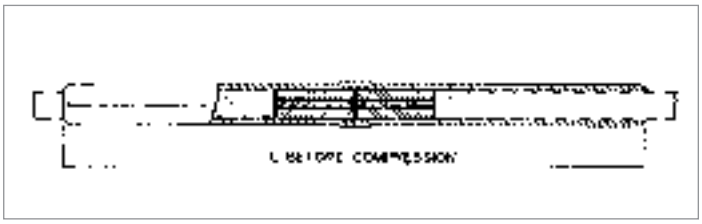
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Quick Compress Dead Ends for ACSR Conductor, Adjustable Eye Type, Single Tongue, AES Series (cont.)

ASSEMBLY CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION L		PAD SIZE
	CODE WORD	SIZE	STRANDING	DIAMETER						
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	
AES125	Condor	795.0	54/7	1.093	12CD	10.1	4.58	24.1	611	D
AES124	Ruddy	900.0	45/7	1.131	12CD	10.1	4.58	24.1	611	D
AES135	Canary	900.0	54/7	1.162	13CD	14.2	6.44	26.5	673	D
AES121	Catbird	954.0	36/1	1.140	12CD	10.1	4.54	24.1	611	D
AES133	Rail	954.0	45/7	1.165	13CD	14.1	6.40	26.5	673	D
AES135	Cardinal	954.0	54/7	1.196	13CD	14.2	6.44	26.5	673	D
AES131	Tanger	1033.5	36/1	1.186	13CD	14.0	6.35	26.5	673	D
AES134	Ortolan	1033.5	45/7	1.212	13CD	14.1	6.40	26.5	673	D
AES145	Curlew	1033.5	54/7	1.244	14CD	15.3	6.94	27.3	694	D
AES143	Bluejay	1113.0	45/7	1.259	14CD	15.3	6.94	27.3	694	D
AES145	Finch	1113.0	54/19	1.293	14CD	15.3	6.94	27.3	694	D
AES144	Bunting	1192.5	45/7	1.302	14CD	15.3	6.94	27.3	694	D
AES155	Grackle	1192.5	54/19	1.333	15CD	16.5	7.48	28.1	714	D
AES153	Bittern	1272.0	45/7	1.345	15CD	16.4	7.44	28.1	714	D
AES155	Pheasant	1272.0	54/19	1.382	15CD	16.5	7.48	28.1	714	D
AES154	Dipper	1351.5	45/7	1.385	15CD	16.5	7.48	28.1	714	D
AES155	Martin	1351.5	54/19	1.424	15CD	16.5	7.48	28.1	714	D
AES163	Bobolink	1431.0	45/7	1.427	16CD	23.6	10.70	31.7	806	D
AES165	Plover	1431.0	54/19	1.465	16CD	23.7	10.75	31.7	806	D
AES164	Nuthatch	1510.5	45/7	1.466	16CD	23.6	10.70	31.7	806	D
AES165	Parrot	1510.5	54/19	1.506	16CD	23.7	10.75	31.7	806	D
AES164	Lapwing	1590.0	45/7	1.504	16CD	23.6	10.70	31.7	806	D
AES175	Falcon	1590.0	54/19	1.545	17CD	26.9	12.20	32.5	826	E
AES174	Chukar	1780.0	84/19	1.602	17CD	26.8	12.16	32.5	826	E
AES183	—	2034.0	72/7	1.681	18CD	26.3	12.84	33.3	845	E
AES194	Bluebird	2156.0	84/19	1.762	19CD	34.1	15.47	35.2	895	E
AES193	Kiwi	2167.0	72/7	1.737	19CD	34.0	15.42	35.2	895	E
AES193	Thrasher	2312.0	76/19	1.802	19CD	34.0	15.42	35.2	895	E
AES203	Joree	2515.0	76/19	1.880	20CD	35.7	16.19	36.1	915	E

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Quick Compress Compression Joints for ACSR Conductor, CJ Series



The Quick Compress CJ Series Joints are designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites while maintaining a minimum 95% of the ASTM rated strength. The core grip eliminates the need for a steel sleeve. The compression joint is pre-filled, eliminating an installation step. Each compression joint has a center stop to ensure proper insertion of the conductor.

The end tapers of all compression accessories are supplied with a high voltage finish for die size sections 12CD and above.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

A compression joint for 795 Drake conductor, the complete catalog number is:

CJ126

Notes:

1. Assembly Catalog Number includes one aluminum joint and two core grips.
2. Installation Instructions for Compression Joints are on page 269.
3. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

ASSEMBLY CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION L	
	CODE WORD	SIZE	STRANDING	DIAMETER					
		KCMIL	AL	IN		LBS	KG	IN	MM
CJ075	Owl	266.8	6/7	0.633	07CD	0.7	0.30	11.2	284
CJ072	Waxwing	266.8	18/1	0.609	07CD	0.6	0.29	11.2	284
CJ076	Partridge	266.8	26/7	0.642	07CD	0.7	0.30	11.2	284
CJ085	Ostrich	300.0	26/7	0.680	08CD	1.0	0.44	12.8	325
CJ082	Merlin	336.4	18/1	0.684	08CD	0.9	0.43	12.8	325
CJ086	Linnet	336.4	26/7	0.720	08CD	1.0	0.45	12.8	325
CJ096	Oriole	336.4	30/7	0.741	09CD	1.4	0.64	14.4	366
CJ083	Chickadee	397.5	18/1	0.743	08CD	1.0	0.45	12.8	325
CJ095	Brant	397.5	24/7	0.772	09CD	1.4	0.64	14.4	366
CJ096	Ibis	397.5	26/7	0.783	09CD	1.4	0.64	14.4	366
CJ106	Lark	397.5	30/7	0.806	10CD	2.0	0.91	16.0	406
CJ092	Pelican	477.0	18/1	0.814	09CD	1.3	0.59	14.4	366
CJ095	Flicker	477.0	24/7	0.846	09CD	1.4	0.64	14.4	366
CJ105	Hawk	477.0	26/7	0.858	10CD	1.9	0.86	16.0	406
CJ116	Hen	477.0	30/7	0.883	11CD	2.6	1.18	17.6	447
CJ102	Osprey	556.5	18/1	0.879	10CD	1.9	0.86	16.0	406
CJ105	Parakeet	556.5	24/7	0.914	10CD	2.0	0.91	16.0	406
CJ106	Dove	556.5	26/7	0.927	10CD	2.7	1.22	16.0	447
CJ117	Eagle	556.5	30/7	0.953	11CD	2.6	1.18	17.6	447
CJ115	Peacock	605.0	24/7	0.953	11CD	2.6	1.18	17.6	447
CJ116	Squab	605.0	26/7	0.966	11CD	3.4	1.54	17.6	488
CJ126	Teal	605.0	30/19	0.994	12CD	1.9	0.86	19.2	406

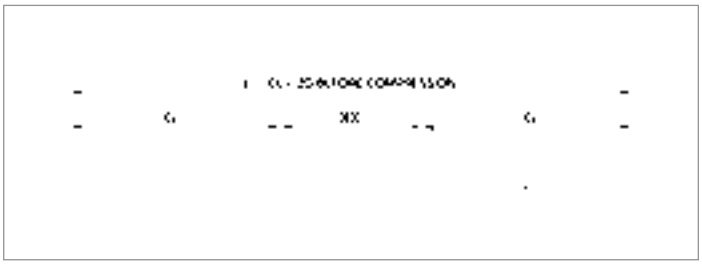
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Quick Compress Compression Joints for ACSR Conductor, CJ Series (cont.)

ASSEMBLY CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION L	
	CODE WORD	SIZE	STRANDING	DIAMETER					
		KCMIL	AL	IN		LBS	KG	IN	MM
CJ103	Kingbird	636.0	18/1	0.940	10CD	2.6	1.18	16.0	447
CJ115	Rook	636.0	24/7	0.977	11CD	2.6	1.18	17.6	447
CJ116	Grosbeak	636.0	26/7	0.990	11CD	3.4	1.54	17.6	488
CJ126	Egret	636.0	30/19	1.019	12CD	1.8	0.82	19.2	406
CJ101	Swift	636.0	36/1	0.930	10CD	2.6	1.18	16.0	447
CJ115	Flamingo	666.6	24/7	1.000	11CD	2.6	1.18	17.6	447
CJ115	Stilt	715.5	24/7	1.036	11CD	3.4	1.54	17.6	488
CJ126	Starling	715.5	26/7	1.051	12CD	4.4	2.00	19.2	528
CJ136	Redwing	715.5	30/19	1.081	13CD	3.4	1.54	20.8	488
CJ125	Cuckoo	795.0	24/7	1.092	12CD	3.4	1.54	19.2	488
CJ126	Drake	795.0	26/7	1.108	12CD	5.3	2.40	19.2	569
CJ146	Mallard	795.0	30/19	1.140	14CD	2.5	1.13	22.4	447
CJ111	Coot	795.0	36/1	1.040	11CD	3.3	1.50	17.6	488
CJ123	Tern	795.0	45/7	1.063	12CD	3.4	1.54	19.2	488
CJ125	Condor	795.0	54/7	1.093	12CD	3.4	1.54	19.2	488
CJ124	Ruddy	900.0	45/7	1.131	12CD	4.3	1.95	19.2	523
CJ135	Canary	900.0	54/7	1.162	13CD	3.2	1.45	20.8	488
CJ121	Catbird	954.0	36/1	1.140	12CD	4.2	1.91	19.2	528
CJ133	Rail	954.0	45/7	1.165	13CD	4.3	1.95	20.8	528
CJ135	Cardinal	954.0	54/7	1.196	13CD	4.1	1.86	20.8	528
CJ131	Tanger	1033.5	36/1	1.186	13CD	4.3	1.95	20.8	528
CJ134	Ortolan	1033.5	45/7	1.212	13CD	5.2	2.36	20.8	569
CJ145	Curlew	1033.5	54/7	1.244	14CD	5.1	2.31	22.4	569
CJ143	Bluejay	1113.0	45/7	1.259	14CD	5.2	2.36	22.4	569
CJ145	Finch	1113.0	54/19	1.293	14CD	5.2	2.36	22.4	569
CJ144	Bunting	1192.5	45/7	1.302	14CD	6.4	2.90	22.4	610
CJ155	Grackle	1192.5	54/19	1.333	15CD	6.2	2.81	24.0	610
CJ153	Bittern	1272.0	45/7	1.345	15CD	6.4	2.90	24.0	610
CJ155	Pheasant	1272.0	54/19	1.382	15CD	6.3	2.86	24.0	610
CJ154	Dipper	1351 5	45/7	1.385	15CD	6.4	2.90	24.0	610
CJ155	Martin	1351.5	54/19	1.424	15CD	7.6	3.45	24.0	650
CJ163	Bobolink	1431.0	45/7	1.427	16CD	7.9	3.58	25.6	650
CJ165	Plover	1431.0	54/19	1.465	16CD	7.8	3.54	25.6	650
CJ164	Nuthatch	1510.5	45/7	1.466	16CD	7.9	3.58	25.6	650
CJ165	Parrot	1510.5	54/19	1.506	16CD	7.8	3.54	25.6	650
CJ164	Lapwing	1590.0	45/7	1.504	16CD	9.5	4.31	25.6	691
CJ175	Falcon	1590.0	54/19	1.545	17CD	9.3	4.22	27.2	691
CJ174	Chukar	1780.0	84/19	1.602	17CD	10.9	4.94	27.2	732
CJ183	—	2034.0	72/7	1.681	18CD	13.0	5.90	28.8	772
CJ194	Bluebird	2156.0	84/19	1.762	19CD	12.8	5.81	30.4	772
CJ193	Kiwi	2167.0	72/7	1.737	19CD	12.8	5.81	30.4	772
CJ193	Thrasher	2312.0	76/19	1.802	19CD	12.8	5.81	30.4	772
CJ203	Joree	2515.0	76/19	1.880	20CD	14.5	6.58	32.0	813

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Quick Compress Replacement Compression Joints for ACSR Conductor, CJR Series



The Quick Compress Replacement Joints are used to replace damaged conductor in midspan. They are designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bits, while maintaining a minimum 95% of the ASTM rated strength. The replacement joint is pre-filled, eliminating an installation step.

The end tapers of all compression accessories are supplied with a high voltage finish for die size sections 12CD and above.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Step 2: Determine Length of Conductor Removed (XX)

Determine the length of conductor (XX) that will be cut out, to the nearest inch (Maximum 48").

Step 3: Assemble Catalog Number

Catalog Number + **Removed Conductor Length (XX)**

Example:

A replacement compression joint for 795 Drake conductor with a removed conductor length of 24 inches, the complete catalog number is:

CJ126R24

Notes:

1. Assembly Catalog Number includes one aluminum joint and two core grips.
2. Installation Instructions for Compression Joints are on page 269.
3. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

ASSEMBLY CATALOG NUMBER	CONDUCTOR				DIE SIZE	DIMENSION G	
	CODE WORD	SIZE	STRANDING	DIAMETER			
		KCMIL	AL/ST	IN		IN	MM
CJ075RXX	Owl	266.8	6/7	0.633	07CD	7.56	192
CJ072RXX	Waxwing	266.8	18/1	0.609	07CD	7.56	192
CJ076RXX	Partridge	266.8	26/7	0.642	07CD	7.56	192
CJ085RXX	Ostrich	300.0	26/7	0.680	08CD	8.36	212
CJ082RXX	Merlin	336.4	18/1	0.684	08CD	8.36	212
CJ086RXX	Linnet	336.4	26/7	0.720	08CD	8.36	212
CJ096RXX	Oriole	336.4	30/7	0.741	09CD	9.16	233
CJ083RXX	Chickadee	397.5	18/1	0.743	08CD	8.36	212
CJ095RXX	Brant	397.5	24/7	0.772	09CD	9.16	233
CJ096RXX	Ibis	397.5	26/7	0.783	09CD	9.16	233
CJ106RXX	Lark	397.5	30/7	0.806	10CD	9.96	253
CJ092RXX	Pelican	477.0	18/1	0.814	09CD	9.16	233
CJ095RXX	Flicker	477.0	24/7	0.846	09CD	9.16	233
CJ105RXX	Hawk	477.0	26/7	0.858	10CD	9.96	253
CJ116RXX	Hen	477.0	30/7	0.883	11CD	10.76	273
CJ102RXX	Osprey	556.5	18/1	0.879	10CD	9.96	253
CJ105RXX	Parakeet	556.5	24/7	0.914	10CD	9.96	253
CJ106RXX	Dove	556.5	26/7	0.927	10CD	9.96	253
CJ117RXX	Eagle	556.5	30/7	0.953	11CD	10.76	273
CJ115RXX	Peacock	605.0	24/7	0.953	11CD	10.76	273

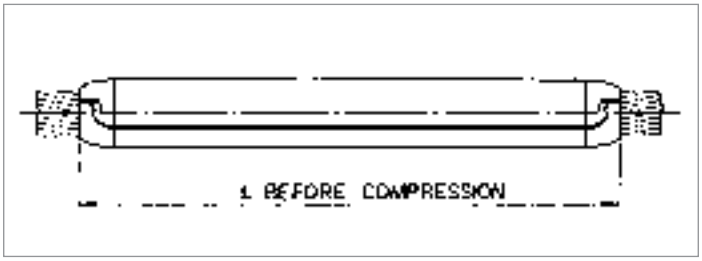
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Quick Compress Replacement Compression Joints for ACSR Conductor, CJR Series (cont.)

ASSEMBLY CATALOG NUMBER	CONDUCTOR				DIE SIZE	DIMENSION G	
	CODE WORD	SIZE	STRANDING	DIAMETER			
		KCMIL	AL/ST	IN		IN	MM
CJ116RXX	Squab	605.0	26/7	0.966	11CD	10.76	273
CJ126RXX	Teal	605.0	30/19	0.994	12CD	11.66	294
CJ103RXX	Kingbird	636.0	18/1	0.940	10CD	9.96	253
CJ115RXX	Rook	636.0	24/7	0.977	11CD	10.76	273
CJ116RXX	Grosbeak	636.0	26/7	0.990	11CD	10.76	273
CJ126RXX	Egret	636.0	30/19	1.019	12CD	11.56	294
CJ101RXX	Swift	636.0	36/1	0.930	10CD	9.96	253
CJ115RXX	Flamingo	666.6	24/7	1.000	11CD	10.76	273
CJ115RXX	Stilt	715.5	24/7	1.036	11CD	10.76	273
CJ126RXX	Starling	715.5	26/7	1.051	12CD	11.56	294
CJ136RXX	Redwing	715.5	30/19	1.081	13CD	12.36	314
CJ125RXX	Cuckoo	795.0	24/7	1.092	12CD	11.56	294
CJ126RXX	Drake	795.0	26/7	1.108	12CD	11.56	294
CJ146RXX	Mallard	795.0	30/19	1.140	14CD	13.16	334
CJ111RXX	Coot	795.0	36/1	1.040	11CD	10.76	273
CJ123RXX	Tern	795.0	45/7	1.063	12CD	11.56	294
CJ125RXX	Condor	795.0	54/7	1.093	12CD	11.56	294
CJ124RXX	Ruddy	900.0	45/7	1.131	12CD	11.56	294
CJ135RXX	Canary	900.0	54/7	1.162	13CD	12.36	314
CJ121RXX	Catbird	954.0	36/1	1.140	12CD	11.56	294
CJ133RXX	Rail	954.0	45/7	1.165	13CD	12.36	314
CJ135RXX	Cardinal	954.0	54/7	1.196	13CD	12.36	314
CJ131RXX	Tanger	1033.5	36/1	1.186	13CD	12.36	314
CJ134RXX	Ortolan	1033.5	45/7	1.212	13CD	12.36	314
CJ145RXX	Curlew	1033.5	54/7	1.244	14CD	13.16	334
CJ143RXX	Bluejay	1113.0	45/7	1.259	14CD	13.16	334
CJ145RXX	Finch	1113.0	54/19	1.293	14CD	13.16	334
CJ144RXX	Bunting	1192.5	45/7	1.302	14CD	13.16	334
CJ155RXX	Grackle	1192.5	54/19	1.333	15CD	13.96	355
CJ153RXX	Bittern	1272.0	45/7	1.345	15CD	13.96	355
CJ155RXX	Pheasant	1272.0	54/19	1.382	15CD	13.96	355
CJ154RXX	Dipper	1351.5	45/7	1.385	15CD	13.96	355
CJ155RXX	Martin	1351.5	54/19	1.424	15CD	13.96	355
CJ163RXX	Bobolink	1431.0	45/7	1.427	16CD	14.76	375
CJ165RXX	Plover	1431.0	54/19	1.465	16CD	14.76	375
CJ164RXX	Nuthatch	1510.5	45/7	1.466	16CD	14.76	375
CJ165RXX	Parrot	1510.5	54/19	1.506	16CD	14.76	375
CJ164RXX	Lapwing	1590.0	45/7	1.504	16CD	14.76	375
CJ175RXX	Falcon	1590.0	54/19	1.545	17CD	15.56	395
CJ174RXX	Chukar	1780.0	84/19	1.602	17CD	15.56	395
CJ183RXX	—	2034.0	72/7	1.681	18CD	16.36	416
CJ194RXX	Bluebird	2156.0	84/19	1.762	19CD	17.16	436
CJ193RXX	Kiwi	2167.0	72/7	1.737	19CD	17.16	436
CJ193RXX	Thrasher	2312.0	76/19	1.802	19CD	17.16	436
CJ203RXX	Joree	2515.0	76/19	1.880	20CD	17.96	456

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Quick Compress Repair Sleeve for ACSR Conductor, RS Series



The Quick Compress Repair Sleeve is designed for ACSR, AAC, AAAC and ACAR conductors. The repair sleeve incorporates an improved design of interlocking extrusions, providing a permanent grip on the conductor when compressed.

The repair sleeve will restore the conductor to 95% of its ASTM rated strength where up to one-third of the aluminum strands are damaged.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

A repair sleeve for 795 Drake conductor, the complete catalog number is:

RS12

Notes:

1. Installation Instructions for Compression Joints are on page 270.
2. For more information on die selection and ordering instructions, see the AFL Tool Catalog.

AFL NO.	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION L	
	CODE WORD	SIZE	STRANDING	DIAMETER					
		KCMIL	AL/ST	IN		LBS	KG	IN	MM
RS07	Owl	266.8	6/7	0.633	07CD	0.4	0.17	8.4	213
RS07	Waxwing	266.8	18/1	0.609	07CD	0.4	0.17	8.4	213
RS07	Partridge	266.8	26/7	0.642	07CD	0.4	0.17	8.4	213
RS08	Ostrich	300.0	26/7	0.680	08CD	0.6	0.26	9.6	244
RS08	Merlin	336.4	18/1	0.684	08CD	0.6	0.26	9.6	244
RS08	Linnet	336.4	26/7	0.720	08CD	0.6	0.26	9.6	244
RS09	Oriole	336.4	30/7	0.741	09CD	0.8	0.38	10.8	274
RS08	Chickadee	397.5	18/1	0.743	08CD	0.6	0.26	9.6	244
RS09	Brant	397.5	24/7	0.772	09CD	0.8	0.38	10.8	274
RS09	Ibis	397.5	26/7	0.783	09CD	0.8	0.38	10.8	274
RS10	Lark	397.5	30/7	0.806	10CD	1.1	0.50	12.0	305
RS09	Pelican	477.0	18/1	0.814	09CD	0.8	0.38	10.8	274
RS09	Flicker	477.0	24/7	0.846	09CD	0.8	0.38	10.8	274
RS10	Hawk	477.0	26/7	0.858	10CD	1.1	0.50	12.0	305
RS11	Hen	477.0	30/7	0.883	11CD	1.5	0.68	13.2	335
RS10	Osprey	556.5	18/1	0.879	10CD	1.1	0.50	12.0	305
RS10	Parakeet	556.5	24/7	0.914	10CD	1.1	0.50	12.0	305
RS10	Dove	556.5	26/7	0.927	10CD	1.1	0.50	12.0	305
RS11	Eagle	556.5	30/7	0.953	11CD	1.5	0.68	13.2	335
RS11	Peacock	605.0	24/7	0.953	11CD	1.5	0.68	13.2	335
RS11	Squab	605.0	26/7	0.966	11CD	1.5	0.68	13.2	335
RS12	Teal	605.0	30/19	0.994	12CD	1.9	0.86	14.4	355
RS10	Kingbird	636.0	18/1	0.940	10CD	1.1	0.50	12.0	305
RS11	Rook	636.0	24/7	0.977	11CD	1.5	0.68	13.2	335

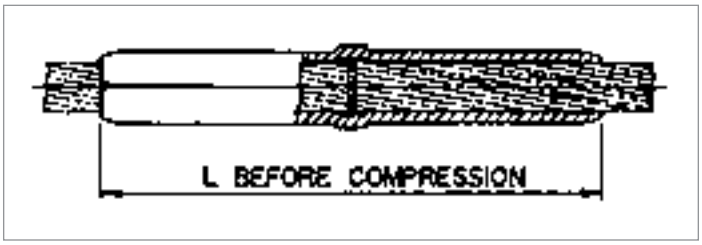
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Quick Compress Repair Sleeve for ACSR Conductor, RS Series (cont.)

AFL NO.	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION L	
	CODE WORD	SIZE	STRANDING	DIAMETER					
		KCMIL	AL/ST	IN		LBS	KG	IN	MM
RS11	Grosbeak	636.0	26/7	0.990	11CD	1.5	0.68	13.2	335
RS12	Egret	636.0	30/19	1.019	12CD	1.9	0.86	14.4	355
RS10	Swift	636.0	36/1	0.930	10CD	1.1	0.50	12.0	305
RS11	Flamingo	666.6	24/7	1.000	11CD	1.5	0.68	13.2	335
RS11	Stilt	715.5	24/7	1.036	11CD	1.5	0.68	13.2	335
RS12	Starling	715.5	26/7	1.051	12CD	1.9	0.86	14.4	355
RS13	Redwing	715.5	30/19	1.081	13CD	2.4	1.09	15.6	396
RS12	Cuckoo	795.0	24/7	1.092	12CD	1.9	0.86	14.4	355
RS12	Drake	795.0	26/7	1.108	12CD	1.9	0.86	14.4	355
RS14	Mallard	795.0	30/19	1.140	14CD	3.1	1.41	16.8	427
RS11	Coot	795.0	36/1	1.040	11CD	1.5	0.68	13.2	335
RS12	Tern	795.0	45/7	1.063	12CD	1.9	0.86	14.4	355
RS12	Condor	795.0	54/7	1.093	12CD	1.9	0.86	14.4	355
RS12	Ruddy	900.0	45/7	1.131	12CD	1.9	0.86	14.4	355
RS13	Canary	900.0	54/7	1.162	13CD	2.4	1.09	15.6	396
RS12	Catbird	954.0	36/1	1.140	12CD	1.9	0.86	14.4	355
RS13	Rail	954.0	45/7	1.165	13CD	2.4	1.09	15.6	396
RS13	Cardinal	954.0	54/7	1.196	13CD	2.4	1.09	15.6	396
RS13	Tanger	1033.5	36/1	1.186	13CD	2.4	1.09	15.6	396
RS13	Ortolan	1033.5	45/7	1.212	13CD	2.4	1.09	15.6	396
RS14	Curlew	1033.5	54/7	1.244	14CD	3.1	1.41	16.8	427
RS14	Bluejay	1113.0	45/7	1.259	14CD	3.1	1.41	16.8	427
RS14	Finch	1113.0	54/19	1.293	14CD	3.1	1.41	16.8	427
RS14	Bunting	1192.5	45/7	1.302	14CD	3.1	1.41	16.8	427
RS15	Grackle	1192.5	54/19	1.333	15CD	3.8	1.72	18.0	457
RS15	Bittern	1272.0	45/7	1.345	15CD	3.8	1.72	18.0	457
RS15	Pheasant	1272.0	54/19	1.382	15CD	3.8	1.72	18.0	457
RS15	Dipper	1351.5	45/7	1.385	15CD	3.8	1.72	18.0	457
RS15	Martin	1351.5	54/19	1.424	15CD	3.8	1.72	18.0	457
RS16	Bobolink	1431.0	45/7	1.427	16CD	4.6	2.09	19.2	488
RS16	Plover	1431.0	54/19	1.465	16CD	4.6	2.09	19.2	488
RS16	Nuthatch	1510.5	45/7	1.466	16CD	4.6	2.09	19.2	488
RS16	Parrot	1510.5	54/19	1.506	16CD	4.6	2.09	19.2	488
RS16	Lapwing	1590.0	45/7	1.504	16CD	4.6	2.09	19.2	488
RS17	Falcon	1590.0	54/19	1.545	17CD	5.5	2.49	20.4	518
RS17	Chukar	1780.0	84/19	1.602	17CD	5.5	2.49	20.4	518
RS18	—	2034.0	72/7	1.681	18CD	6.6	2.99	21.6	549
RS19	Bluebird	2156.0	84/19	1.762	19CD	7.8	3.54	22.8	579
RS19	Kiwi	2167.0	72/7	1.737	19CD	7.8	3.54	22.8	579
RS19	Thrasher	2312.0	76/19	1.802	19CD	7.8	3.54	22.8	579
RS20	Joree	2515.0	76/19	1.880	20CD	9.1	4.13	24.0	610

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Quick Compress Jumper Connector for ACSR Conductor, JC Series



The Quick Compress Jumper Connector is designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites. The jumper connector is pre-filled, eliminating an installation step. Each jumper connector has a center stop, making it easy to center the jumper on the conductor.

All Quick Compress Jumper Connectors are designed for limited tension use, maintaining a minimum of 40% of the ASTM rated strength of the conductor.

The end tapers of all compression accessories are supplied with a High Voltage finish for die size sections 12CD and above.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

A jumper connector for 795 Drake conductor, the complete catalog number is:

JC12

Notes:

1. Installation Instructions for Jumpers are on page 271.
2. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION L	
	CODE WORD	SIZE	STRANDING	DIAMETER					
		KCMIL	AL/ST	IN		LBS	KG	IN	MM
JC07	Owl	266.8	6/7	0.633	07CD	0.3	0.12	5.6	142
JC07	Waxwing	266.8	18/1	0.609	07CD	0.3	0.12	5.6	142
JC07	Partridge	266.8	26/7	0.642	07CD	0.3	0.12	5.6	142
JC08	Ostrich	300.0	26/7	0.680	08CD	0.4	0.19	6.4	163
JC08	Merlin	336.4	18/1	0.684	08CD	0.4	0.19	6.4	163
JC08	Linnet	336.4	26/7	0.720	08CD	0.4	0.19	6.4	163
JC09	Oriole	336.4	30/7	0.741	09CD	0.6	0.27	7.2	183
JC08	Chickadee	397.5	18/1	0.743	08CD	0.4	0.19	6.4	163
JC09	Brant	397.5	24/7	0.772	09CD	0.6	0.27	7.2	183
JC09	Ibis	397.5	26/7	0.783	09CD	0.6	0.27	7.2	183
JC10	Lark	397.5	30/7	0.806	10CD	0.8	0.37	8.0	203
JC09	Pelican	477.0	18/1	0.814	09CD	0.6	0.27	7.2	183
JC09	Flicker	477.0	24/7	0.846	09CD	0.6	0.27	7.2	183
JC10	Hawk	477.0	26/7	0.858	10CD	0.8	0.37	8.0	203
JC11	Hen	477.0	30/7	0.883	11CD	1.1	0.50	8.8	224
JC10	Osprey	556.5	18/1	0.879	10CD	0.8	0.37	8.0	203
JC10	Parakeet	556.5	24/7	0.914	10CD	0.8	0.37	8.0	203
JC10	Dove	556.5	26/7	0.927	10CD	0.8	0.37	8.0	203
JC11	Eagle	556.5	30/7	0.953	11CD	1.1	0.50	8.8	224
JC11	Peacock	605.0	24/7	0.953	11CD	1.1	0.50	8.8	224

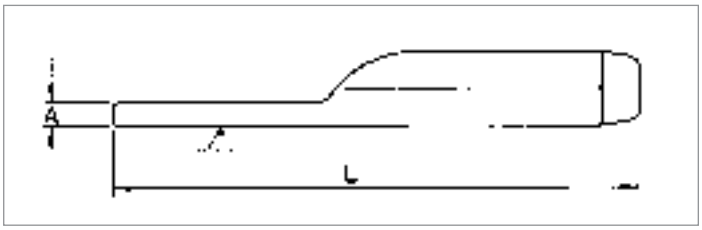
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Quick Compress Jumper Connector for ACSR Conductor, JC Series (cont.)

CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION L	
	CODE WORD	SIZE	STRANDING	DIAMETER					
		KCMIL	AL/ST	IN		LBS	KG	IN	MM
JC11	Squab	605	26/7	0.966	11CD	1.1	0.50	8.8	224
JC12	Teal	605	30/19	0.994	12CD	1.4	0.64	9.6	244
JC10	Kingbird	636	18/1	0.940	10CD	0.8	0.37	8.0	203
JC11	Rook	636	24/7	0.977	11CD	1.1	0.50	8.8	224
JC11	Grosbeak	636	26/7	0.990	11CD	1.1	0.50	8.8	224
JC12	Egret	636	30/19	1.019	12CD	1.4	0.64	9.6	244
JC10	Swift	636	36/1	0.930	10CD	0.8	0.37	8.0	203
JC11	Flamingo	666.6	24/7	1.000	11CD	1.1	0.50	8.8	224
JC11	Stilt	715.5	24/7	1.036	11CD	1.1	0.50	8.8	224
JC12	Starling	715.5	26/7	1.051	12CD	1.4	0.64	9.6	244
JC13	Redwing	715.5	30/19	1.081	13CD	1.7	0.77	10.4	264
JC12	Cuckoo	795.0	24/7	1.092	12CD	1.4	0.64	9.6	244
JC12	Drake	795.0	26/7	1.108	12CD	1.4	0.64	9.6	244
JC14	Mallard	795.0	30/19	1.140	14CD	2.2	1.00	11.2	284
JC11	Coot	795.0	36/1	1.040	11CD	1.1	0.50	8.8	224
JC12	Tern	795.0	45/7	1.063	12CD	1.4	0.64	9.6	244
JC12	Condor	795.0	54/7	1.093	12CD	1.4	0.64	9.6	244
JC12	Ruddy	900.0	45/7	1.131	12CD	1.4	0.64	9.6	244
JC13	Canary	900.0	54/7	1.162	13CD	1.7	0.77	10.4	264
JC12	Catbird	954.0	36/1	1.14	12CD	1.4	0.64	9.6	244
JC13	Rail	954.0	45/7	1.165	13CD	1.7	0.77	10.4	264
JC13	Cardinal	954.0	54/7	1.196	13CD	1.7	0.77	10.4	264
JC13	Tanger	1033.5	36/1	1.186	13CD	1.7	0.77	10.4	264
JC13	Ortolan	1033.5	45/7	1.212	13CD	1.7	0.77	10.4	264
JC14	Curlew	1033.5	54/7	1.244	14CD	2.2	1.00	11.2	284
JC14	Bluejay	1113.0	45/7	1.259	14CD	2.2	1.00	11.2	284
JC14	Finch	1113.0	54/19	1.293	14CD	2.2	1.00	11.2	284
JC14	Bunting	1192.5	45/7	1.302	14CD	2.2	1.00	11.2	284
JC15	Grackle	1192.5	54/19	1.333	15CD	2.7	1.22	12.0	305
JC15	Bittern	1272.0	45/7	1.345	15CD	2.7	1.22	12.0	305
JC15	Pheasant	1272.0	54/19	1.382	15CD	2.7	1.22	12.0	305
JC15	Dipper	1351.5	45/7	1.385	15CD	2.7	1.22	12.0	305
JC15	Martin	1351.5	54/19	1.424	15CD	2.7	1.22	12.0	305
JC16	Bobolink	1431.0	45/7	1.427	16CD	3.3	1.50	12.8	325
JC16	Plover	1431.0	54/19	1.465	16CD	3.3	1.50	12.8	325
JC16	Nuthatch	1510.5	45/7	1.466	16CD	3.3	1.50	12.8	325
JC16	Parrot	1510.5	54/19	1.506	16CD	3.3	1.50	12.8	325
JC16	Lapwing	1590.0	45/7	1.504	16CD	3.3	1.50	12.8	325
JC17	Falcon	1590.0	54/19	1.545	17CD	3.9	1.77	13.6	345
JC17	Chukar	1780.0	84/19	1.602	17CD	3.9	1.77	13.6	345
JC18	—	2034.0	72/7	1.681	18CD	4.7	2.13	14.4	366
JC19	Bluebird	2156.0	84/19	1.762	19CD	5.4	2.45	15.2	386
JC19	Kiwi	2167.0	72/7	1.737	19CD	5.4	2.45	15.2	386
JC19	Thrasher	2312.0	76/19	1.802	19CD	5.4	2.45	15.2	386
JC20	Joree	2515.0	76/19	1.880	20CD	6.4	2.90	16.0	406

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Quick Compress Terminal for ACSR Conductor, Straight, TS Series



The TS Series Straight Terminal Connector is designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites. The terminal connector is pre-filled, eliminating an installation step.

All TS Series connectors are designed for limited tension use, maintaining a minimum of 40% of the ASTM rated strength of the conductor.

The end tapers of all compression accessories are supplied with a High Voltage finish for die size sections 12CD and above.
The square edges of bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Catalog Number
Determine the catalog number based on the conductor being used.

Step 2: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'. (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 3: Assemble Catalog Number.

Catalog Number	+	EHV Finish

Example:
A straight terminal for 795 Drake with an EHV finish, the complete catalog number is:

TS12EHV

Notes:
1. Pad Dimensions are on page 257.
2. Installation Instructions for Terminals are on page 272.
3. Bolts, nuts and washers are not supplied with TS Series Terminal Connectors.
4. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

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Quick Compress Terminal for ACSR Conductor, Straight, TS Series (cont.)

CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSIONS				PAD SIZE
	CODE WORD	SIZE	STRANDING	DIAMETER				A		L		
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	IN	MM	
TS07	Owl	266.8	6/7	0.633	07CD	0.5	0.20	0.3	8	9.0	229	B
TS07	Waxwing	266.8	18/1	0.609	07CD	0.5	0.20	0.3	8	9.0	229	B
TS07	Partridge	266.8	26/7	0.642	07CD	0.5	0.20	0.3	8	9.0	229	B
TS08	Ostrich	300.0	26/7	0.680	08CD	0.6	0.28	0.4	10	9.6	244	B
TS08	Merlin	336.4	18/1	0.684	08CD	0.6	0.28	0.4	10	9.6	244	B
TS08	Linnet	336.4	26/7	0.720	08CD	0.6	0.28	0.4	10	9.6	244	B
TS09	Oriole	336.4	30/7	0.741	09CD	0.8	0.38	0.4	11	10.0	254	B
TS08	Chickadee	397.5	18/1	0.743	08CD	0.6	0.28	0.4	10	9.6	244	B
TS09	Brant	397.5	24/7	0.772	09CD	0.8	0.38	0.4	11	10.0	254	B
TS09	Ibis	397.5	26/7	0.783	09CD	0.8	0.38	0.4	11	10.0	254	B
TS10	Lark	397.5	30/7	0.806	10CD	1.1	0.50	0.5	12	10.6	269	B
TS09	Pelican	477.0	18/1	0.814	09CD	0.8	0.38	0.4	11	10.0	254	B
TS09	Flicker	477.0	24/7	0.846	09CD	0.8	0.38	0.4	11	10.0	254	B
TS10	Hawk	477.0	26/7	0.858	10CD	1.1	0.50	0.5	12	10.6	269	B
TS11	Hen	477.0	30/7	0.883	11CD	1.5	0.68	0.4	9	11.7	297	D
TS10	Osprey	556.5	18/1	0.879	10CD	1.1	0.50	0.5	12	10.6	269	B
TS10	Parakeet	556.5	24/7	0.914	10CD	1.1	0.50	0.5	12	10.6	269	B
TS10	Dove	556.5	26/7	0.927	10CD	1.1	0.50	0.5	12	10.6	269	B
TS11	Eagle	556.5	30/7	0.953	11CD	1.5	0.68	0.4	9	11.7	297	D
TS11	Peacock	605.0	24/7	0.953	11CD	1.5	0.68	0.4	9	11.7	297	D
TS11	Squab	605.0	26/7	0.966	11CD	1.5	0.68	0.4	9	11.7	297	D
TS12	Teal	605.0	30/19	0.994	12CD	1.8	0.82	0.4	11	12.1	307	D
TS10	Kingbird	636.0	18/1	0.940	10CD	1.1	0.50	0.5	12	10.6	269	B
TS11	Rook	636.0	24/7	0.977	11CD	1.5	0.68	0.4	9	11.7	297	D
TS11	Grosbeak	636.0	26/7	0.990	11CD	1.5	0.68	0.4	9	11.7	297	D
TS12	Egret	636.0	30/19	1.019	12CD	1.8	0.82	0.4	11	12.1	307	D
TS10	Swift	636.0	36/1	0.930	10CD	1.1	0.50	0.5	12	10.6	269	B
TS11	Flamingo	666.6	24/7	1.000	11CD	1.5	0.68	0.4	9	11.7	297	D
TS11	Stilt	715.5	24/7	1.036	11CD	1.5	0.68	0.4	9	11.7	297	D
TS12	Starling	715.5	26/7	1.051	12CD	1.8	0.82	0.4	11	12.1	307	D
TS13	Redwing	715.5	30/19	1.081	13CD	2.1	0.95	0.5	13	12.8	325	D
TS12	Cuckoo	795.0	24/7	1.092	12CD	1.8	0.82	0.4	11	12.1	307	D
TS12	Drake	795.0	26/7	1.108	12CD	1.8	0.82	0.4	11	12.1	307	D
TS14	Mallard	795.0	30/19	1.140	14CD	2.7	1.22	0.6	16	13.8	351	D
TS11	Coot	795.0	36/1	1.040	11CD	1.5	0.68	0.4	9	11.7	297	D
TS12	Tern	795.0	45/7	1.063	12CD	1.8	0.82	0.4	11	12.1	307	D
TS12	Condor	795.0	54/7	1.093	12CD	1.8	0.82	0.4	11	12.1	307	D
TS12	Ruddy	900.0	45/7	1.131	12CD	1.8	0.82	0.4	11	12.1	307	D

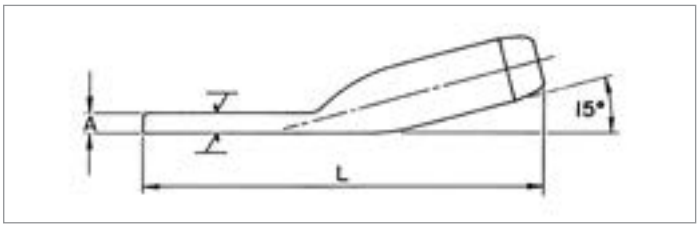
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Quick Compress Terminal for ACSR Conductor, Straight, TS Series (cont.)

CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSIONS				PAD SIZE
	CODE WORD	SIZE	STRANDING	DIAMETER				A		L		
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	IN	MM	
TS13	Canary	900.0	54/7	1.162	13CD	2.1	0.95	0.5	13	12.8	325	D
TS12	Catbird	954.0	36/1	1.140	12CD	1.8	0.82	0.4	11	12.1	307	D
TS13	Rail	954.0	45/7	1.165	13CD	2.1	0.95	0.5	13	12.8	325	D
TS13	Cardinal	954.0	54/7	1.196	13CD	2.1	0.95	0.5	13	12.8	325	D
TS13	Tanger	1033.5	36/1	1.186	13CD	2.1	0.95	0.5	13	12.8	325	D
TS13	Ortolan	1033.5	45/7	1.212	13CD	2.1	0.95	0.5	13	12.8	325	D
TS14	Curlew	1033.5	54/7	1.244	14CD	2.7	1.22	0.6	16	13.8	351	D
TS14	Bluejay	1113.0	45/7	1.259	14CD	2.7	1.22	0.6	16	13.8	351	D
TS14	Finch	1113.0	54/19	1.293	14CD	2.7	1.22	0.6	16	13.8	351	D
TS14	Bunting	1192.5	45/7	1.302	14CD	2.7	1.22	0.6	16	13.8	351	D
TS15	Grackle	1192.5	54/19	1.333	15CD	3.3	1.50	0.7	17	14.3	363	D
TS15	Bittern	1272.0	45/7	1.345	15CD	3.3	1.50	0.7	17	14.3	363	D
TS15	Pheasant	1272.0	54/19	1.382	15CD	3.3	1.50	0.7	17	14.3	363	D
TS15	Dipper	1351.5	45/7	1.385	15CD	3.3	1.50	0.7	17	14.3	363	D
TS15	Martin	1351.5	54/19	1.424	15CD	3.3	1.50	0.7	17	14.3	363	D
TS16	Bobolink	1431.0	45/7	1.427	16CD	3.8	1.72	0.7	17	14.6	371	D
TS16	Plover	1431.0	54/19	1.465	16CD	3.8	1.72	0.7	17	14.6	371	D
TS16	Nuthatch	1510.5	45/7	1.466	16CD	3.8	1.72	0.7	17	14.6	371	D
TS16	Parrot	1510.5	54/19	1.506	16CD	3.8	1.72	0.7	17	14.6	371	D
TS16	Lapwing	1590.0	45/7	1.504	16CD	3.8	1.72	0.7	17	14.6	371	D
TS17	Falcon	1590.0	54/19	1.545	17CD	4.7	2.13	0.7	17	16.3	414	E
TS17	Chukar	1780.0	84/19	1.602	17CD	4.7	2.13	0.7	17	16.3	414	E
TS18	—	2034.0	72/7	1.681	18CD	5.5	2.49	0.7	19	16.8	427	E
TS19	Bluebird	2156.0	84/19	1.762	19CD	6.5	2.95	0.9	22	17.5	445	E
TS19	Kiwi	2167.0	72/7	1.737	19CD	6.5	2.95	0.9	22	17.5	445	E
TS19	Thrasher	2312.0	76/19	1.802	19CD	6.5	2.95	0.9	22	17.5	445	E
TS20	Joree	2515.0	76/19	1.880	20CD	7.3	3.31	0.9	22	17.9	455	E

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Quick Compress Terminal for ACSR Conductor, 15°, TF Series



The TF Series 15° Terminal Connector is designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites. The terminal connector is pre-filled, eliminating an installation step.

When used with the Quick Compress dead end, the TF Series connectors can be bolted in either straight or 30° position. All TF Series connectors are designed for limited tension use, maintaining a minimum of 40% of the ASTM rated strength of the conductor.

The end tapers of all compression accessories are supplied with a High Voltage finish for die size sections 12CD and above.
The square edges of bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Catalog Number
Determine the catalog number based on the conductor being used.

Step 2: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'. (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 3: Assemble Catalog Number.

Catalog Number	+	EHV Finish

Example:
A 15° terminal for 795 Drake with an EHV finish, the complete catalog number is:

TF12EHV

Notes:
1. Pad Dimensions are on page 257.
2. Installation Instructions for Terminals are on page 272.
3. Bolts, nuts and washers are supplied with TF Series Terminal Connectors.
4. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

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Quick Compress Terminal for ACSR Conductor, 15°, TF Series (cont.)

CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSIONS				PAD SIZE
	CODE WORD	SIZE	STRANDING	DIAMETER				A		L		
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	IN	MM	
TF07	Owl	266.8	6/7	0.633	07CD	0.5	0.24	0.3	8	7.8	196	B
TF07	Waxwing	266.8	18/1	0.609	07CD	0.5	0.24	0.3	8	7.8	196	B
TF07	Partridge	266.8	26/7	0.642	07CD	0.5	0.24	0.3	8	7.8	196	B
TF08	Ostrich	300	26/7	0.680	08CD	0.7	0.31	0.4	10	8.3	211	B
TF08	Merlin	336.4	18/1	0.684	08CD	0.7	0.31	0.4	10	8.3	211	B
TF08	Linnet	336.4	26/7	0.720	08CD	0.7	0.31	0.4	10	8.3	211	B
TF09	Oriole	336.4	30/7	0.741	09CD	0.9	0.40	0.4	11	8.9	226	B
TF08	Chickadee	397.5	18/1	0.743	08CD	0.7	0.31	0.4	10	8.3	211	B
TF09	Brant	397.5	24/7	0.772	09CD	0.9	0.40	0.4	11	8.9	226	B
TF09	Ibis	397.5	26/7	0.783	09CD	0.9	0.40	0.4	11	8.9	226	B
TF10	Lark	397.5	30/7	0.806	10CD	1.1	0.50	0.5	12	9.4	239	B
TF09	Pelican	477	18/1	0.814	09CD	0.9	0.40	0.4	11	8.9	226	B
TF09	Flicker	477	24/7	0.846	09CD	0.9	0.40	0.4	11	8.9	226	B
TF10	Hawk	477	26/7	0.858	10CD	1.1	0.50	0.5	12	9.4	239	B
TF11	Hen	477	30/7	0.883	11CD	1.5	0.68	0.4	9	10.4	264	D
TF10	Osprey	556.5	18/1	0.879	10CD	1.1	0.50	0.5	12	9.4	239	B
TF10	Parakeet	556.5	24/7	0.914	10CD	1.1	0.50	0.5	12	9.4	239	B
TF10	Dove	556.5	26/7	0.927	10CD	1.1	0.50	0.5	12	9.4	239	B
TF11	Eagle	556.5	30/7	0.953	11CD	1.5	0.68	0.4	9	10.4	264	D
TF11	Peacock	605	24/7	0.953	11CD	1.5	0.68	0.4	9	10.4	264	D
TF11	Squab	605	26/7	0.966	11CD	1.5	0.68	0.4	9	10.4	264	D
TF12	Teal	605	30/19	0.994	12CD	1.9	0.86	0.4	11	11.0	279	D
TF10	Kingbird	636	18/1	0.940	10CD	1.1	0.50	0.5	12	9.4	239	B
TF11	Rook	636	24/7	0.977	11CD	1.5	0.68	0.4	9	10.4	264	D
TF11	Grosbeak	636	26/7	0.990	11CD	1.5	0.68	0.4	9	10.4	264	D
TF12	Egret	636	30/19	1.019	12CD	1.9	0.86	0.4	11	11.0	279	D
TF10	Swift	636	36/1	0.930	10CD	1.1	0.50	0.5	12	9.4	239	B
TF11	Flamingo	666.6	24/7	1.000	11CD	1.5	0.68	0.4	9	10.4	264	D
TF11	Stilt	715.5	24/7	1.036	11CD	1.5	0.68	0.4	9	10.4	264	D
TF12	Starling	715.5	26/7	1.051	12CD	1.9	0.86	0.4	11	11.0	279	D
TF13	Redwing	715.5	30/19	1.081	13CD	2.2	1.00	0.5	13	11.2	284	D
TF12	Cuckoo	795	24/7	1.092	12CD	1.9	0.86	0.4	11	11.0	279	D
TF12	Drake	795	26/7	1.108	12CD	1.9	0.86	0.4	11	11.0	279	D
TF14	Mallard	795	30/19	1.140	14CD	2.8	1.27	0.6	16	12.0	305	D
TF11	Coot	795	36/1	1.040	11CD	1.5	0.68	0.4	9	10.4	264	D
TF12	Tern	795	45/7	1.063	12CD	1.9	0.86	0.4	11	11.0	279	D

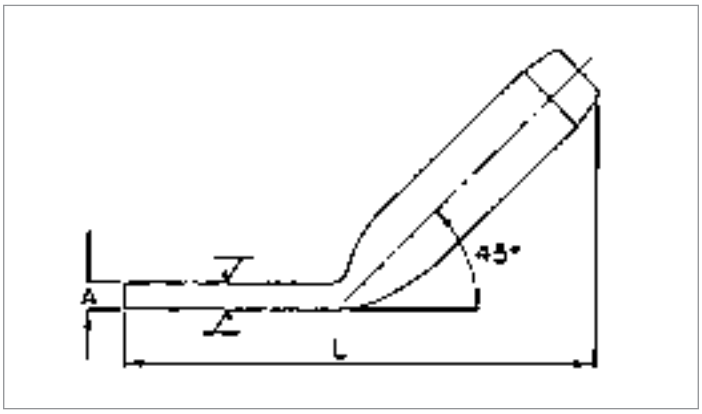
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Quick Compress Terminal for ACSR Conductor, 15°, TF Series (cont.)

CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSIONS				PAD SIZE
	CODE WORD	SIZE	STRANDING	DIAMETER				A		L		
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	IN	MM	
TF12	Condor	795	54/7	1.093	12CD	1.9	0.86	0.4	11	11.0	279	D
TF12	Ruddy	900	45/7	1.131	12CD	1.9	0.86	0.4	11	11.0	279	D
TF13	Canary	900	54/7	1.162	13CD	2.2	1.00	0.5	13	11.2	284	D
TF12	Catbird	954	36/1	1.140	12CD	1.9	0.86	0.4	11	11.0	279	D
TF13	Rail	954	45/7	1.165	13CD	2.2	1.00	0.5	13	11.2	284	D
TF13	Cardinal	954	54/7	1.196	13CD	2.2	1.00	0.5	13	11.2	284	D
TF13	Tanger	1033.5	36/1	1.186	13CD	2.2	1.00	0.5	13	11.2	284	D
TF13	Ortolan	1033.5	45/7	1.212	13CD	2.2	1.00	0.5	13	11.2	284	D
TF14	Curlew	1033.5	54/7	1.244	14CD	2.8	1.27	0.6	16	12.0	305	D
TF14	Bluejay	1113	45/7	1.259	14CD	2.8	1.27	0.6	16	12.0	305	D
TF14	Finch	1113	54/19	1.293	14CD	2.8	1.27	0.6	16	12.0	305	D
TF14	Bunting	1192.5	45/7	1.302	14CD	2.8	1.27	0.6	16	12.0	305	D
TF15	Grackle	1192.5	54/19	1.333	15CD	3.2	1.45	0.7	17	12.5	318	D
TF15	Bittern	1272	45/7	1.345	15CD	3.2	1.45	0.7	17	12.5	318	D
TF15	Pheasant	1272	54/19	1.382	15CD	3.2	1.45	0.7	17	12.5	318	D
TF15	Dipper	1351.5	45/7	1.385	15CD	3.2	1.45	0.7	17	12.5	318	D
TF15	Martin	1351.5	54/19	1.424	15CD	3.2	1.45	0.7	17	12.5	318	D
TF16	Bobolink	1431	45/7	1.427	16CD	3.7	1.69	0.7	17	13.3	338	D
TF16	Plover	1431	54/19	1.465	16CD	3.7	1.69	0.7	17	13.3	338	D
TF16	Nuthatch	1510.5	45/7	1.466	16CD	3.7	1.69	0.7	17	13.3	338	D
TF16	Parrot	1510.5	54/19	1.506	16CD	3.7	1.69	0.7	17	13.3	338	D
TF16	Lapwing	1590	45/7	1.504	16CD	3.7	1.69	0.7	17	13.3	338	D
TF17	Falcon	1590	54/19	1.545	17CD	4.6	2.09	0.7	17	14.4	366	E
TF17	Chukar	1780	84/19	1.602	17CD	4.6	2.09	0.7	17	14.4	366	E
TF18	—	2034	72/7	1.681	18CD	5.2	2.36	0.7	19	15.0	381	E
TF19	Bluebird	2156	84/19	1.762	19CD	6.3	2.86	0.9	22	15.7	399	E
TF19	Kiwi	2167	72/7	1.737	19CD	6.3	2.86	0.9	22	15.7	399	E
TF19	Thrasher	2312	74/19	1.802	19CD	6.3	2.86	0.9	22	15.7	399	E
TF20	Joree	2515	74/19	1.880	20CD	6.8	3.08	0.9	22	16.0	406	E

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Quick Compress Terminal for ACSR Conductor, 45º, T45 Series



The T45 Series 45º Terminal Connector is designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites. The terminal connector is pre-filled, eliminating an installation step.

All T45 Series connectors are designed for limited tension use, maintaining a minimum of 40% of the ASTM rated strength of the conductor.

The end tapers of all compression accessories are supplied with a High Voltage finish for die size sections 12CD and above. The square edges of bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Catalog Number

Determine the catalog number based on the conductor being used.

Step 2: Extra High Voltage Finish

For Extra High Voltage Finish, use 'EHV'. (≥ 345 kV)

For Standard Finish, leave blank. (< 345 kV)

Step 3: Assemble Catalog Number.

Catalog Number + **EHV Finish**

Example:

A 45º terminal for 795 Drake with an EHV finish, the complete catalog number is:

T4512EHV

Notes:

1. Pad Dimensions are on page 257.
2. Installation Instructions for Terminals are on page 272.
3. Bolts, nuts and washers are not supplied with T45 Series Terminal Connectors.
4. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

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Quick Compress Terminal for ACSR Conductor, 45°, T45 Series (cont.)

CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSIONS				PAD SIZE
	CODE WORD	SIZE	STRANDING	DIAMETER				A		L		
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	IN	MM	
T4507	Owl	266.8	6/7	0.633	07CD	0.4	0.19	0.3	8	7.3	185	B
T4507	Waxwing	266.8	18/1	0.609	07CD	0.4	0.19	0.3	8	7.3	185	B
T4507	Partridge	266.8	26/7	0.642	07CD	0.4	0.19	0.3	8	7.3	185	B
T4508	Ostrich	300.0	26/7	0.680	08CD	0.6	0.25	0.4	10	7.8	198	B
T4508	Merlin	336.4	18/1	0.684	08CD	0.6	0.25	0.4	10	7.8	198	B
T4508	Linnet	336.4	26/7	0.720	08CD	0.6	0.25	0.4	10	7.8	198	B
T4509	Oriole	336.4	30/7	0.741	09CD	0.8	0.34	0.4	11	8.2	208	B
T4508	Chickadee	397.5	18/1	0.743	08CD	0.6	0.25	0.4	10	7.8	198	B
T4509	Brant	397.5	24/7	0.772	09CD	0.8	0.34	0.4	11	8.2	208	B
T4509	Ibis	397.5	26/7	0.783	09CD	0.8	0.34	0.4	11	8.2	208	B
T4510	Lark	397.5	30/7	0.806	10CD	1.0	0.45	0.5	12	8.6	218	B
T4509	Pelican	477.0	18/1	0.814	09CD	0.8	0.34	0.4	11	8.2	208	B
T4509	Flicker	477.0	24/7	0.846	09CD	0.8	0.34	0.4	11	8.2	208	B
T4510	Hawk	477.0	26/7	0.858	10CD	1.0	0.45	0.5	12	8.6	218	B
T4511	Hen	477.0	30/7	0.883	11CD	1.3	0.59	0.4	9	9.4	239	D
T4510	Osprey	556.5	18/1	0.879	10CD	1.0	0.45	0.5	12	8.6	218	B
T4510	Parakeet	556.5	24/7	0.914	10CD	1.0	0.45	0.5	12	8.6	218	B
T4510	Dove	556.5	26/7	0.927	10CD	1.0	0.45	0.5	12	8.6	218	B
T4511	Eagle	556.5	30/7	0.953	11CD	1.3	0.59	0.4	9	9.4	239	D
T4511	Peacock	605.0	24/7	0.953	11CD	1.3	0.59	0.4	9	9.4	239	D
T4511	Squab	605.0	26/7	0.966	11CD	1.3	0.59	0.4	9	9.4	239	D
T4512	Teal	605.0	30/19	0.994	12CD	1.6	0.73	0.4	11	9.7	246	D
T4510	Kingbird	636.0	18/1	0.940	10CD	1.0	0.45	0.5	12	8.6	218	B
T4511	Rook	636.0	24/7	0.977	11CD	1.3	0.59	0.4	9	9.4	239	D
T4511	Grosbeak	636.0	26/7	0.990	11CD	1.3	0.59	0.4	9	9.4	239	D
T4512	Egret	636.0	30/19	1.019	12CD	1.6	0.73	0.4	11	9.7	246	D
T4510	Swift	636.0	36/1	0.930	10CD	1.0	0.45	0.5	12	8.6	218	B
T4511	Flamingo	666.6	24/7	1.000	11CD	1.3	0.59	0.4	9	9.4	239	D
T4511	Stilt	715.5	24/7	1.036	11CD	1.3	0.59	0.4	9	9.4	239	D
T4512	Starling	715.5	26/7	1.051	12CD	1.6	0.73	0.4	11	9.7	246	D
T4513	Redwing	715.5	30/19	1.081	13CD	2.0	0.91	0.5	13	10.2	259	D
T4512	Cuckoo	795.0	24/7	1.092	12CD	1.6	0.73	0.4	11	9.7	246	D
T4512	Drake	795.0	26/7	1.108	12CD	1.6	0.73	0.4	11	9.7	246	D
T4514	Mallard	795.0	30/19	1.140	14CD	2.3	1.04	0.6	16	10.6	269	D
T4511	Coot	795.0	36/1	1.040	11CD	1.3	0.59	0.4	9	9.4	239	D
T4512	Tern	795.0	45/7	1.063	12CD	1.6	0.73	0.4	11	9.7	246	D
T4512	Condor	795.0	54/7	1.093	12CD	1.6	0.73	0.4	11	9.7	246	D
T4512	Ruddy	900.0	45/7	1.131	12CD	1.6	0.73	0.4	11	9.7	246	D

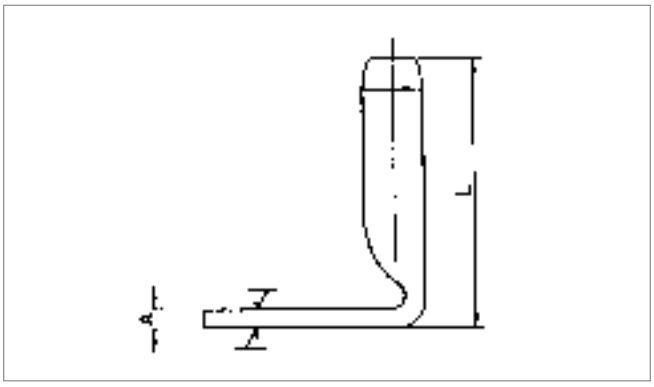
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Quick Compress Terminal for ACSR Conductor, 45°, T45 Series (cont.)

CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSIONS				PAD SIZE
	CODE WORD	SIZE	STRANDING	DIAMETER				A		L		
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	IN	MM	
T4513	Canary	900.0	54/7	1.162	13CD	2.0	0.91	0.5	13	10.2	259	D
T4512	Catbird	954.0	36/1	1.140	12CD	1.6	0.73	0.4	11	9.7	246	D
T4513	Rail	954.0	45/7	1.165	13CD	2.0	0.91	0.5	13	10.2	259	D
T4513	Cardinal	954.0	54/7	1.196	13CD	2.0	0.91	0.5	13	10.2	259	D
T4513	Tanger	1033.5	36/1	1.186	13CD	2.0	0.91	0.5	13	10.2	259	D
T4513	Ortolan	1033.5	45/7	1.212	13CD	2.0	0.91	0.5	13	10.2	259	D
T4514	Curlew	1033.5	54/7	1.244	14CD	2.3	1.04	0.6	16	10.6	269	D
T4514	Bluejay	1113.0	45/7	1.259	14CD	2.3	1.04	0.6	16	10.6	269	D
T4514	Finch	1113.0	54/19	1.293	14CD	2.3	1.04	0.6	16	10.6	269	D
T4514	Bunting	1192.5	45/7	1.302	14CD	2.3	1.04	0.6	16	10.6	269	D
T4515	Grackle	1192.5	54/19	1.333	15CD	2.8	1.27	0.7	17	11.8	300	D
T4515	Bittern	1272.0	45/7	1.345	15CD	2.8	1.27	0.7	17	11.8	300	D
T4515	Pheasant	1272.0	54/19	1.382	15CD	2.8	1.27	0.7	17	11.8	300	D
T4515	Dipper	1351.5	45/7	1.385	15CD	2.8	1.27	0.7	17	11.8	300	D
T4515	Martin	1351.5	54/19	1.424	15CD	2.8	1.27	0.7	17	11.8	300	D
T4516	Bobolink	1431.0	45/7	1.427	16CD	3.4	1.54	0.7	17	11.0	279	D
T4516	Plover	1431.0	54/19	1.465	16CD	3.4	1.54	0.7	17	11.0	279	D
T4516	Nuthatch	1510.5	45/7	1.466	16CD	3.4	1.54	0.7	17	11.0	279	D
T4516	Parrot	1510.5	54/19	1.506	16CD	3.4	1.54	0.7	17	11.0	279	D
T4516	Lapwing	1590.0	45/7	1.504	16CD	3.4	1.54	0.7	17	11.0	279	D
T4517	Falcon	1590.0	54/19	1.545	17CD	4.2	1.91	0.7	17	12.6	320	E
T4517	Chukar	1780.0	84/19	1.602	17CD	4.2	1.91	0.7	17	12.6	320	E
T4518	—	2034.0	72/7	1.681	18CD	4.9	2.22	0.7	19	13.0	330	E
T4519	Bluebird	2156.0	84/19	1.762	19CD	5.7	2.59	0.9	22	13.7	348	E
T4519	Kiwi	2167.0	72/7	1.737	19CD	5.7	2.59	0.9	22	13.7	348	E
T4519	Thrasher	2312.0	76/19	1.802	19CD	5.7	2.59	0.9	22	13.7	348	E
T4520	Joree	2515.0	76/19	1.880	20CD	6.5	2.95	0.9	22	14.2	361	E

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Quick Compress Terminal for ACSR Conductor, 90º, TN Series



The TN Series 90º Terminal Connector is designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites. The terminal connector is pre-filled, eliminating an installation step.

All TN Series connectors are designed for limited tension use, maintaining a minimum of 40% of the ASTM rated strength of the conductor.

The end tapers of all compression accessories are supplied with a High Voltage finish for die size sections 12CD and above.
The square edges of bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Catalog Number
Determine the catalog number based on the conductor being used.

Step 2: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'. (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 3: Assemble Catalog Number.

Catalog Number	+	EHV Finish

Example:
A 90º terminal for 795 Drake with an EHV finish, the complete catalog number is:

TN12EHV

Notes:
1. Pad Dimensions are on page 257.
2. Installation Instructions for Terminals are on page 272.
3. Bolts, nuts and washers are not supplied with TN Series Terminal Connectors.
4. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

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Quick Compress Terminal for ACSR Conductor, 90°, TN Series (cont.)

CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSIONS				PAD SIZE
	CODE WORD	SIZE	STRANDING	DIAMETER				A		L		
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	IN	MM	
TN07	Owl	266.8	6/7	0.633	07CD	0.5	0.20	0.3	8	5.2	132	B
TN07	Waxwing	266.8	18/1	0.609	07CD	0.5	0.20	0.3	8	5.2	132	B
TN07	Partridge	266.8	26/7	0.642	07CD	0.5	0.20	0.3	8	5.2	132	B
TN08	Ostrich	300.0	26/7	0.680	08CD	0.6	0.29	0.4	10	5.7	145	B
TN08	Merlin	336.4	18/1	0.684	08CD	0.6	0.29	0.4	10	5.7	145	B
TN08	Linnet	336.4	26/7	0.720	08CD	0.6	0.29	0.4	10	5.7	145	B
TN09	Oriole	336.4	30/7	0.741	09CD	0.8	0.38	0.4	11	6.2	157	B
TN08	Chickadee	397.5	18/1	0.743	08CD	0.6	0.29	0.4	10	5.7	145	B
TN09	Brant	397.5	24/7	0.772	09CD	0.8	0.38	0.4	11	6.2	157	B
TN09	Ibis	397.5	26/7	0.783	09CD	0.8	0.38	0.4	11	6.2	157	B
TN10	Lark	397.5	30/7	0.806	10CD	1.1	0.50	0.5	12	6.7	170	B
TN09	Pelican	477.0	18/1	0.814	09CD	0.8	0.38	0.4	11	6.2	157	B
TN09	Flicker	477.0	24/7	0.846	09CD	0.8	0.38	0.4	11	6.2	157	B
TN10	Hawk	477.0	26/7	0.858	10CD	1.1	0.50	0.5	12	6.7	170	B
TN11	Hen	477.0	30/7	0.883	11CD	1.4	0.64	0.4	9	7.5	191	D
TN10	Osprey	556.5	18/1	0.879	10CD	1.1	0.50	0.5	12	6.7	170	B
TN10	Parakeet	556.5	24/7	0.914	10CD	1.1	0.50	0.5	12	6.7	170	B
TN10	Dove	556.5	26/7	0.927	10CD	1.1	0.50	0.5	12	6.7	170	B
TN11	Eagle	556.5	30/7	0.953	11CD	1.4	0.64	0.4	9	7.5	191	D
TN11	Peacock	605.0	24/7	0.953	11CD	1.4	0.64	0.4	9	7.5	191	D
TN11	Squab	605.0	26/7	0.966	11CD	1.4	0.64	0.4	9	7.5	191	D
TN12	Teal	605.0	30/19	0.994	12CD	1.8	0.82	0.4	11	7.9	202	D
TN10	Kingbird	636.0	18/1	0.940	10CD	1.1	0.50	0.5	12	6.7	170	B
TN11	Rook	636.0	24/7	0.977	11CD	1.4	0.64	0.4	9	7.5	191	D
TN11	Grosbeak	636.0	26/7	0.990	11CD	1.4	0.64	0.4	9	7.5	191	D
TN12	Egret	636.0	30/19	1.019	12CD	1.8	0.82	0.4	11	7.9	202	D
TN10	Swift	636.0	36/1	0.930	10CD	1.1	0.50	0.5	12	6.7	170	B
TN11	Flamingo	666.6	24/7	1.000	11CD	1.4	0.64	0.4	9	7.5	191	D
TN11	Stilt	715.5	24/7	1.036	11CD	1.4	0.64	0.4	9	7.5	191	D
TN12	Starling	715.5	26/7	1.051	12CD	1.8	0.82	0.4	11	7.9	202	D
TN13	Redwing	715.5	30/19	1.081	13CD	2.2	1.00	0.5	13	8.5	216	D
TN12	Cuckoo	795.0	24/7	1.092	12CD	1.8	0.82	0.4	11	7.9	202	D
TN12	Drake	795.0	26/7	1.108	12CD	1.8	0.82	0.4	11	7.9	202	D
TN14	Mallard	795.0	30/19	1.140	14CD	2.6	1.18	0.6	16	9.2	233	D
TN11	Coot	795.0	36/1	1.040	11CD	1.4	0.64	0.4	9	7.5	191	D
TN12	Tern	795.0	45/7	1.063	12CD	1.8	0.82	0.4	11	7.9	202	D
TN12	Condor	795.0	54/7	1.093	12CD	1.8	0.82	0.4	11	7.9	202	D
TN12	Ruddy	900.0	45/7	1.131	12CD	1.8	0.82	0.4	11	7.9	202	D

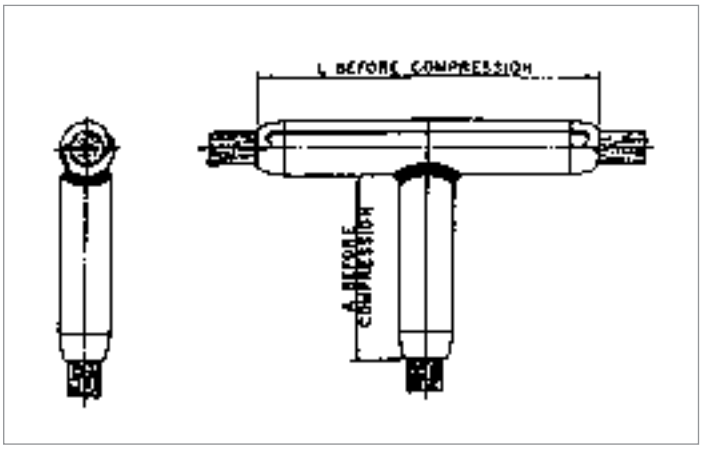
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Quick Compress Terminal for ACSR Conductor, 90°, TN Series (cont.)

CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSIONS				PAD SIZE
	CODE WORD	SIZE	STRANDING	DIAMETER				A		L		
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	IN	MM	
TN13	Canary	900.0	54/7	1.162	13CD	2.2	1.00	0.5	13	8.5	216	D
TN12	Catbird	954.0	36/1	1.140	12CD	1.8	0.82	0.4	11	7.9	202	D
TN13	Rail	954.0	45/7	1.165	13CD	2.2	1.00	0.5	13	8.5	216	D
TN13	Cardinal	954.0	54/7	1.196	13CD	2.2	1.00	0.5	13	8.5	216	D
TN13	Tanger	1033.5	36/1	1.186	13CD	2.2	1.00	0.5	13	8.5	216	D
TN13	Ortolan	1033.5	45/7	1.212	13CD	2.2	1.00	0.5	13	8.5	216	D
TN14	Curlew	1033.5	54/7	1.244	14CD	2.6	1.18	0.6	16	9.2	233	D
TN14	Bluejay	1113.0	45/7	1.259	14CD	2.6	1.18	0.6	16	9.2	233	D
TN14	Finch	1113.0	54/19	1.293	14CD	2.6	1.18	0.6	16	9.2	233	D
TN14	Bunting	1192.5	45/7	1.302	14CD	2.6	1.18	0.6	16	9.2	233	D
TN15	Grackle	1192.5	54/19	1.333	15CD	3.1	1.41	0.7	17	9.8	248	D
TN15	Bittern	1272.0	45/7	1.345	15CD	3.1	1.41	0.7	17	9.8	248	D
TN15	Pheasant	1272.0	54/19	1.382	15CD	3.1	1.41	0.7	17	9.8	248	D
TN15	Dipper	1351.5	45/7	1.385	15CD	3.1	1.41	0.7	17	9.8	248	D
TN15	Martin	1351.5	54/19	1.424	15CD	3.1	1.41	0.7	17	9.8	248	D
TN16	Bobolink	1431.0	45/7	1.427	16CD	3.7	1.68	0.7	17	10.2	259	D
TN16	Plover	1431.0	54/19	1.465	16CD	3.7	1.68	0.7	17	10.2	259	D
TN16	Nuthatch	1510.5	45/7	1.466	16CD	3.7	1.68	0.7	17	10.2	259	D
TN16	Parrot	1510.5	54/19	1.506	16CD	3.7	1.68	0.7	17	10.2	259	D
TN16	Lapwing	1590.0	45/7	1.504	16CD	3.7	1.68	0.7	17	10.2	259	D
TN17	Falcon	1590.0	54/19	1.545	17CD	4.6	2.09	0.7	17	11.2	264	E
TN17	Chukar	1780.0	84/19	1.602	17CD	4.6	2.09	0.7	17	11.2	264	E
TN18	—	2034.0	72/7	1.681	18CD	5.3	2.40	0.7	19	11.4	289	E
TN19	Bluebird	2156.0	84/19	1.762	19CD	6.1	2.77	0.9	22	11.9	303	E
TN19	Kiwi	2167.0	72/7	1.737	19CD	6.1	2.77	0.9	22	11.9	303	E
TN19	Thrasher	2312.0	76/19	1.802	19CD	6.1	2.77	0.9	22	11.9	303	E
TN20	Joree	2515.0	76/19	1.880	20CD	6.9	3.13	0.9	22	12.6	321	E

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Quick Compress Tee Connector for ACSR Conductor, Open Run, TTOC Series



Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

A tee connector for 795 Drake, the complete catalog number is:

TTOC12

The TTOC Series Open Run Tee Connector is a permanent drop specifically desgined for ACSR, AAC, AAAC and ACAR conductors.

The end tapers of all compression accessories are supplied with a high voltage finish for die size sections 12CD and above.

Notes:

1. Tee Connectors are not prefilled with AFC.
2. Installation Instructions for Tee Connectors are on page 274.
3. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSIONS			
	CODE WORD	SIZE	STRANDING	DIAMETER				A		L	
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	IN	MM
TTOC07	Owl	266.8	6/7	0.633	07CD	0.5	0.22	3.9	100	6.4	163
TTOC07	Waxwing	266.8	18/1	0.609	07CD	0.5	0.22	3.9	100	6.4	163
TTOC07	Partridge	266.8	26/7	0.642	07CD	0.5	0.22	3.9	100	6.4	163
TTOC08	Ostrich	300.0	26/7	0.680	08CD	0.7	0.32	4.4	111	7.2	183
TTOC08	Merlin	336.4	18/1	0.684	08CD	0.7	0.32	4.4	111	7.2	183
TTOC08	Linnet	336.4	26/7	0.720	08CD	0.7	0.32	4.4	111	7.2	183
TTOC09	Oriole	336.4	30/7	0.741	09CD	1.0	0.45	4.8	122	7.9	199
TTOC08	Chickadee	397.5	18/1	0.743	08CD	0.7	0.32	4.4	111	7.2	183
TTOC09	Brant	397.5	24/7	0.772	09CD	1.0	0.45	4.8	122	7.9	199
TTOC09	Ibis	397.5	26/7	0.783	09CD	1.0	0.45	4.8	122	7.9	199
TTOC10	Lark	397.5	30/7	0.806	10CD	1.3	0.59	5.3	133	8.5	216
TTOC09	Pelican	477.0	18/1	0.814	09CD	1.0	0.45	4.8	122	7.9	199
TTOC09	Flicker	477.0	24/7	0.846	09CD	1.0	0.45	4.8	122	7.9	199
TTOC10	Hawk	477.0	26/7	0.858	10CD	1.3	0.59	5.3	133	8.5	216
TTOC11	Hen	477.0	30/7	0.883	11CD	1.7	0.77	5.7	145	9.2	234
TTOC10	Osprey	556.5	18/1	0.879	10CD	1.3	0.59	5.3	133	8.5	216
TTOC10	Parakeet	556.5	24/7	0.914	10CD	1.3	0.59	5.3	133	8.5	216
TTOC10	Dove	556.5	26/7	0.927	10CD	1.3	0.59	5.3	133	8.5	216
TTOC11	Eagle	556.5	30/7	0.953	11CD	1.7	0.77	5.7	145	9.2	234
TTOC11	Peacock	605.0	24/7	0.953	11CD	1.7	0.77	5.7	145	9.2	234
TTOC11	Squab	605.0	26/7	0.966	11CD	1.7	0.77	5.7	145	9.2	234
TTOC12	Teal	605.0	30/19	0.994	12CD	2.1	0.95	6.1	155	9.9	250

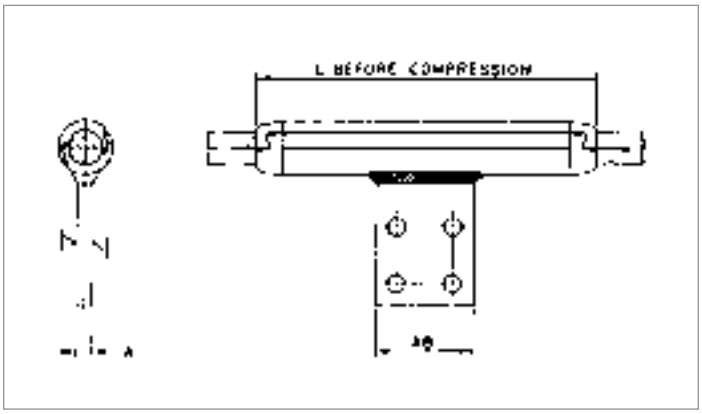
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Quick Compress Tee Connector for ACSR Conductor, Open Run, TTOC Series (cont.)

CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSIONS			
	CODE WORD	SIZE	STRANDING	DIAMETER				A		L	
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	IN	MM
TTOC10	Kingbird	636.0	18/1	0.940	10CD	1.3	0.59	5.3	133	8.5	216
TTOC11	Rook	636.0	24/7	0.977	11CD	1.7	0.77	5.7	145	9.2	234
TTOC11	Grosbeak	636.0	26/7	0.990	11CD	1.7	0.77	5.7	145	9.2	234
TTOC12	Egret	636.0	30/19	1.019	12CD	2.1	0.95	6.1	155	9.9	250
TTOC10	Swift	636.0	36/1	0.930	10CD	1.3	0.59	5.3	133	8.5	216
TTOC11	Flamingo	666.6	24/7	1.000	11CD	1.7	0.77	5.7	145	9.2	234
TTOC11	Stilt	715.5	24/7	1.036	11CD	1.7	0.77	5.7	145	9.2	234
TTOC12	Starling	715.5	26/7	1.051	12CD	2.1	0.95	6.1	155	9.9	250
TTOC13	Redwing	715.5	30/19	1.081	13CD	2.9	1.32	6.6	167	10.6	269
TTOC12	Cuckoo	795.0	24/7	1.092	12CD	2.1	0.95	6.1	155	9.9	250
TTOC12	Drake	795.0	26/7	1.108	12CD	2.1	0.95	6.1	155	9.9	250
TTOC14	Mallard	795.0	30/19	1.140	14CD	3.5	1.59	7.0	178	11.2	285
TTOC11	Coot	795.0	36/1	1.040	11CD	1.7	0.77	5.7	145	9.2	234
TTOC12	Tern	795.0	45/7	1.063	12CD	2.1	0.95	6.1	155	9.9	250
TTOC12	Condor	795.0	54/7	1.093	12CD	2.1	0.95	6.1	155	9.9	250
TTOC12	Ruddy	900.0	45/7	1.131	12CD	2.1	0.95	6.1	155	9.9	250
TTOC13	Canary	900.0	54/7	1.162	13CD	2.9	1.32	6.6	167	10.6	269
TTOC12	Catbird	954.0	36/1	1.140	12CD	2.1	0.95	6.1	155	9.9	250
TTOC13	Rail	954.0	45/7	1.165	13CD	2.9	1.32	6.6	167	10.6	269
TTOC13	Cardinal	954.0	54/7	1.196	13CD	2.9	1.32	6.6	167	10.6	269
TTOC13	Tanger	1033.5	36/1	1.186	13CD	2.9	1.32	6.6	167	10.6	269
TTOC13	Ortolan	1033.5	45/7	1.212	13CD	2.9	1.32	6.6	167	10.6	269
TTOC14	Curlew	1033.5	54/7	1.244	14CD	3.5	1.59	7.0	178	11.2	285
TTOC14	Bluejay	1113.0	45/7	1.259	14CD	3.5	1.59	7.0	178	11.2	285
TTOC14	Finch	1113.0	54/19	1.293	14CD	3.5	1.59	7.0	178	11.2	285
TTOC14	Bunting	1192.5	45/7	1.302	14CD	3.5	1.59	7.0	178	11.2	285
TTOC15	Grackle	1192.5	54/19	1.333	15CD	4.2	1.91	7.4	189	11.9	302
TTOC15	Bittern	1272.0	45/7	1.345	15CD	4.2	1.91	7.4	189	11.9	302
TTOC15	Pheasant	1272.0	54/19	1.382	15CD	4.2	1.91	7.4	189	11.9	302
TTOC15	Dipper	1351.5	45/7	1.385	15CD	4.2	1.91	7.4	189	11.9	302
TTOC15	Martin	1351.5	54/19	1.424	15CD	4.2	1.91	7.4	189	11.9	302
TTOC16	Bobolink	1431.0	45/7	1.427	16CD	5.0	2.27	7.8	198	12.5	316
TTOC16	Plover	1431.0	54/19	1.465	16CD	5.0	2.27	7.8	198	12.5	316
TTOC16	Nuthatch	1510.5	45/7	1.466	16CD	5.0	2.27	7.8	198	12.5	316
TTOC16	Parrot	1510.5	54/19	1.506	16CD	5.0	2.27	7.8	198	12.5	316
TTOC16	Lapwing	1590.0	45/7	1.504	16CD	5.0	2.27	7.8	198	12.5	316
TTOC17	Falcon	1590.0	54/19	1.545	17CD	5.9	2.68	8.3	210	13.1	333
TTOC17	Chukar	1780.0	84/19	1.602	17CD	5.9	2.68	8.3	210	13.1	333
TTOC18	—	2034.0	72/7	1.681	18CD	7.0	3.16	8.6	219	13.7	348
TTOC19	Bluebird	2156.0	84/19	1.762	19CD	8.0	3.63	9.1	230	14.4	364
TTOC19	Kiwi	2167.0	72/7	1.737	19CD	8.0	3.63	9.1	230	14.4	364
TTOC19	Thrasher	2312.0	76/19	1.802	19CD	8.0	3.63	9.1	230	14.4	364
TTOC20	Joree	2515.0	76/19	1.880	20CD	9.2	4.17	9.4	240	14.9	378

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Quick Compress Tee Tap for ACSR Conductor, Open Run, TTOP Series



The TTOP Series Open Run Tee Tap is a permanent or temporary drop. By using a high strength alloy, the compression length has been shortened for less compression bites.

The run portion incorporates an improved design of interlocking extrusions, providing a permanent grip on the conductor when compressed.

The end tapers of all compression accessories are supplied with a High Voltage finish for die size sections 12CD and above.

The square edges of bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Step 2: Extra High Voltage Finish

For Extra High Voltage Finish, use 'EHV'. (≥ 345 kV)

For Standard Finish, leave blank. (< 345 kV)

Step 3: Assemble Catalog Number.

Assy Catalog Number	+	EHV Finish

Example:

A tee tap for 795 Drake with EHV finish, the complete catalog number is:

TTOP12EHV

Notes:

1. Installation Instructions for Tee Taps are on page 274.
2. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

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Quick Compress Tee Tap for ACSR Conductor, Open Run, TTOP Series (cont.)

CATALOG NUMBER	CONDUCTOR				DIE SIZE	WEIGHT		DIMENSIONS						PAD SIZE
	CODE WORD	SIZE	STRAND-ING	DIAMETER		ALUMINUM		A		L		AB		
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	IN	MM	IN	MM	
TTOP07	Owl	266.8	6/7	0.633	07CD	0.6	0.27	0.4	10	7.4	187	2.0	51	B
TTOP07	Waxwing	266.8	18/1	0.609	07CD	0.6	0.27	0.4	10	7.4	187	2.0	51	B
TTOP07	Partridge	266.8	26/7	0.642	07CD	0.6	0.27	0.4	10	7.4	187	2.0	51	B
TTOP08	Ostrich	300	26/7	0.680	08CD	0.7	0.34	0.4	10	8.0	202	2.0	51	B
TTOP08	Merlin	336.4	18/1	0.684	08CD	0.7	0.34	0.4	10	8.0	202	2.0	51	B
TTOP08	Linnet	336.4	26/7	0.720	08CD	0.7	0.34	0.4	10	8.0	202	2.0	51	B
TTOP09	Oriole	336.4	30/7	0.741	09CD	0.9	0.41	0.4	10	8.5	215	2.0	51	B
TTOP08	Chickadee	397.5	18/1	0.743	08CD	0.7	0.34	0.4	10	8.0	202	2.0	51	B
TTOP09	Brant	397.5	24/7	0.772	09CD	0.9	0.41	0.4	10	8.5	215	2.0	51	B
TTOP09	Ibis	397.5	26/7	0.783	09CD	0.9	0.41	0.4	10	8.5	215	2.0	51	B
TTOP10	Lark	397.5	30/7	0.806	10CD	1.0	0.45	0.4	10	9.0	229	2.0	51	B
TTOP09	Pelican	477	18/1	0.814	09CD	0.9	0.41	0.4	10	8.5	215	2.0	51	B
TTOP09	Flicker	477	24/7	0.846	09CD	0.9	0.41	0.4	10	8.5	215	2.0	51	B
TTOP10	Hawk	477	26/7	0.858	10CD	1.0	0.45	0.4	10	9.0	229	2.0	51	B
TTOP11	Hen	477	30/7	0.883	11CD	1.7	0.77	0.5	13	10.5	267	3.0	76	D
TTOP10	Osprey	556.5	18/1	0.879	10CD	1.0	0.45	0.4	10	9.0	229	2.0	51	B
TTOP10	Parakeet	556.5	24/7	0.914	10CD	1.0	0.45	0.4	10	9.0	229	2.0	51	B
TTOP10	Dove	556.5	26/7	0.927	10CD	1.0	0.45	0.4	10	9.0	229	2.0	51	B
TTOP11	Eagle	556.5	30/7	0.953	11CD	1.7	0.77	0.5	13	10.5	267	3.0	76	D
TTOP11	Peacock	605	24/7	0.953	11CD	1.7	0.77	0.5	13	10.5	267	3.0	76	D
TTOP11	Squab	605	26/7	0.966	11CD	1.7	0.77	0.5	13	10.5	267	3.0	76	D
TTOP12	Teal	605	30/19	0.994	12CD	2.0	0.91	0.5	13	11.1	281	3.0	76	D
TTOP10	Kingbird	636	18/1	0.940	10CD	1.0	0.45	0.4	10	9.0	229	2.0	51	B
TTOP11	Rook	636	24/7	0.977	11CD	1.7	0.77	0.5	13	10.5	267	3.0	76	D
TTOP11	Grosbeak	636	26/7	0.990	11CD	1.7	0.77	0.5	13	10.5	267	3.0	76	D
TTOP12	Egret	636	30/19	1.019	12CD	2.0	0.91	0.5	13	11.1	281	3.0	76	D
TTOP10	Swift	636	36/1	0.930	10CD	1.0	0.45	0.4	10	9.0	229	2.0	51	B
TTOP11	Flamingo	666.6	24/7	1.000	11CD	1.7	0.77	0.5	13	10.5	267	3.0	76	D
TTOP11	Stilt	715.5	24/7	1.036	11CD	1.7	0.77	0.5	13	10.5	267	3.0	76	D
TTOP12	Starling	715.5	26/7	1.051	12CD	2.0	0.91	0.5	13	11.1	281	3.0	76	D
TTOP13	Redwing	715.5	30/19	1.081	13CD	2.4	1.09	,50	13	11.6	294	3.0	76	D
TTOP12	Cuckoo	795	24/7	1.092	12CD	2.0	0.91	0.5	13	11.1	281	3.0	76	D
TTOP12	Drake	795	26/7	1.108	12CD	2.0	0.91	0.5	13	11.1	281	3.0	76	D
TTOP14	Mallard	795	30/19	1.140	14CD	2.8	1.27	0.5	13	12.1	307	3.0	76	D
TTOP11	Coot	795	36/1	1.040	11CD	1.7	0.77	0.5	13	10.5	267	3.0	76	D
TTOP12	Tern	795	45/7	1.063	12CD	2.0	0.91	0.5	13	11.1	281	3.0	76	D

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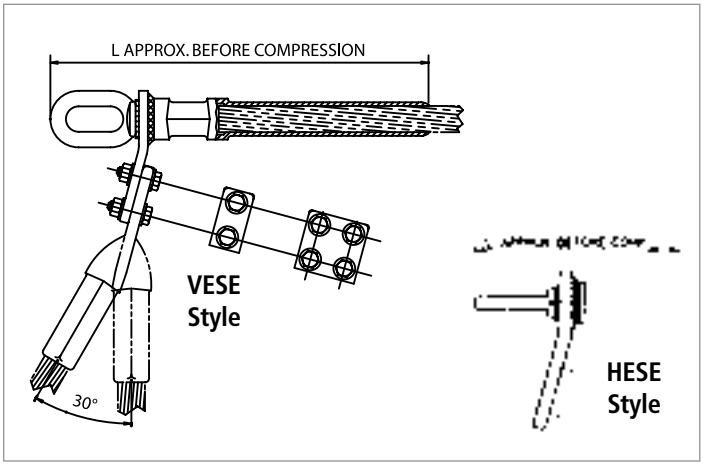
Quick Compress Tee Tap for ACSR Conductor, Open Run, TTOP Series (cont.)

CATALOG NUMBER	CONDUCTOR				DIE SIZE	WEIGHT		DIMENSIONS						PAD SIZE
	CODE WORD	SIZE	STRAND-ING	DIAMETER		ALUMINUM		A		L		AB		
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	IN	MM	IN	MM	
TTOP12	Condor	795	54/7	1.093	12CD	2.0	0.91	0.5	13	11.1	281	3.0	76	D
TTOP12	Ruddy	900	45/7	1.131	12CD	2.0	0.91	0.5	13	11.1	281	3.0	76	D
TTOP13	Canary	900	54/7	1.162	13CD	2.4	1.09	,50	13	11.6	294	3.0	76	D
TTOP12	Catbird	954	36/1	1.140	12CD	2.0	0.91	0.5	13	11.1	281	3.0	76	D
TTOP13	Rail	954	45/7	1.165	13CD	2.4	1.09	,50	13	11.6	294	3.0	76	D
TTOP13	Cardinal	954	54/7	1.196	13CD	2.4	1.09	,50	13	11.6	294	3.0	76	D
TTOP13	Tanger	1033.5	36/1	1.186	13CD	2.4	1.09	,50	13	11.6	294	3.0	76	D
TTOP13	Ortolan	1033.5	45/7	1.212	13CD	2.4	1.09	,50	13	11.6	294	3.0	76	D
TTOP14	Curlew	1033.5	54/7	1.244	14CD	2.8	1.27	0.5	13	12.1	307	3.0	76	D
TTOP14	Bluejay	1113	45/7	1.259	14CD	2.8	1.27	0.5	13	12.1	307	3.0	76	D
TTOP14	Finch	1113	54/19	1.293	14CD	2.8	1.27	0.5	13	12.1	307	3.0	76	D
TTOP14	Bunting	1192.5	45/7	1.302	14CD	2.8	1.27	0.5	13	12.1	307	3.0	76	D
TTOP15	Grackle	1192.5	54/19	1.333	15CD	3.3	1.50	0.5	13	12.6	321	3.0	76	D
TTOP15	Bittern	1272	45/7	1.345	15CD	3.3	1.50	0.5	13	12.6	321	3.0	76	D
TTOP15	Pheasant	1272	54/19	1.382	15CD	3.3	1.50	0.5	13	12.6	321	3.0	76	D
TTOP15	Dipper	1351.5	45/7	1.385	15CD	3.3	1.50	0.5	13	12.6	321	3.0	76	D
TTOP15	Martin	1351.5	54/19	1.424	15CD	3.3	1.50	0.5	13	12.6	321	3.0	76	D
TTOP16	Bobolink	1431	45/7	1.427	16CD	3.7	1.68	0.5	13	13.2	334	3.0	76	D
TTOP16	Plover	1431	54/19	1.465	16CD	3.7	1.68	0.5	13	13.2	334	3.0	76	D
TTOP16	Nuthatch	1510.5	45/7	1.466	16CD	3.7	1.68	0.5	13	13.2	334	3.0	76	D
TTOP16	Parrot	1510.5	54/19	1.506	16CD	3.7	1.68	0.5	13	13.2	334	3.0	76	D
TTOP16	Lapwing	1590	45/7	1.504	16CD	3.7	1.68	0.5	13	13.2	334	3.0	76	D
TTOP17	Falcon	1590	54/19	1.545	17CD	5.2	2.36	0.8	19	14.6	370	4.0	102	E
TTOP17	Chukar	1780	84/19	1.602	17CD	5.2	2.36	0.8	19	14.6	370	4.0	102	E
TTOP18	—	2034	72/7	1.681	18CD	5.9	2.68	0.8	19	15.0	380	4.0	102	E
TTOP19	Bluebird	2156	84/19	1.762	19CD	6.5	2.95	0.8	19	15.5	393	4.0	102	E
TTOP19	Kiwi	2167	72/7	1.737	19CD	6.5	2.95	0.8	19	15.5	393	4.0	102	E
TTOP19	Thrasher	2312	76/19	1.802	19CD	6.5	2.95	0.8	19	15.5	393	4.0	102	E
TTOP20	Joree	2515	76/19	1.880	20CD	7.2	3.27	0.8	19	15.9	403	4.0	102	E

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Quick Compress Dead Ends for AAC Conductor, Eye Type, Single Tongue, VESE/HESE Series



The Quick Compress Dead Ends are designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites while maintaining a minimum 95% of the ASTM rated strength. The steel eye is pre-compressed and the dead end pre-filled, eliminating installation steps.

The dead end tongue and terminal pad are each constructed with a 15° angle, which permits the terminal connector to be bolted in either the straight or the 30° position. Both sides of the pad are finished, creating excellent electrical contact surfaces. For pad to pad connections, AFL recommends the use of No. 2 EJC.

The end tapers of all compression accessories are supplied with a high voltage finish for die sizes 12CD and above. Corona bolts are furnished standard on 15° terminals for these section sizes.

The square edges of bolted pads of the compression accessories could cause Corona. Pads with rounded edges and corners can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector

For an assembly without a terminal connector, use 'NT'.
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish

For Extra High Voltage Finish, use 'EHV'. (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 4: Assemble Catalog Number.

Assy Catalog Number	+	Terminal Connector	+	EHV Finish

Example:

For a vertical eye dead end with no terminal and EHV finish for 795 Arbutus, the complete catalog number is:

VESE110NTEHV

Notes:

1. Assembly Catalog Number includes dead end, terminal connector and aluminum hardware.
2. Eye Dimensions are on page 257.
3. Pad Dimensions are on page 257.
4. Installation Instructions for Dead Ends are on page 266.
5. Installation Instructions for Terminals are on page 272.
6. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

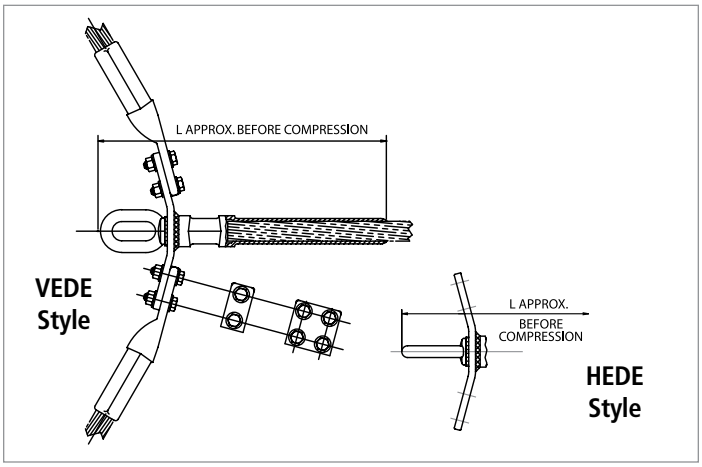
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Quick Compress Dead Ends for AAC Conductor, Eye Type, Single Tongue, VESE/HESE Series (cont.)

ASSEMBLY CATALOG NUMBER		CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION L		PAD SIZE
VERTICAL EYE	HORIZONTAL EYE	CODE WORD	SIZE KCMIL	STRANDING	DIAMETER IN		LBS	KG	IN	MM	
VESE070	HESE070	Peony	300.6	19	0.629	07CD	1.6	0.73	8.9	226	B
VESE070	HESE070	Tulip	336.4	19	0.666	07CD	1.6	0.73	8.9	226	B
VESE070	HESE070	Daffodil	350.0	19	0.679	07CD	1.6	0.73	8.9	226	B
VESE080	HESE080	Canna	397.5	19	0.724	08CD	2.0	0.91	9.3	236	B
VESE090	HESE090	Goldentuft	450.0	19	0.770	09CD	2.8	1.27	10.4	265	B
VESE090	HESE090	Cosmos	477.0	19	0.793	09CD	2.8	1.27	10.4	265	B
VESE090	HESE090	Zinnia	500.0	19	0.811	09CD	2.8	1.27	10.4	265	B
VESE100	HESE100	Dahlia	556.5	19	0.856	10CD	3.2	1.45	10.9	278	B
VESE100	HESE100	Meadowsweet	600.0	37	0.891	10CD	3.2	1.45	10.9	278	B
VESE100	HESE100	Orchid	636.0	37	0.918	10CD	3.2	1.45	10.9	278	B
VESE100	HESE100	Heuchera	650.0	37	0.928	10CD	3.2	1.45	10.9	278	B
VESE110	HESE110	Verbena	700.0	37	0.963	11CD	5.1	2.31	11.8	298	D
VESE110	HESE110	Violet	715.5	37	0.974	11CD	5.1	2.31	11.8	298	D
VESE110	HESE110	Petunia	750.0	37	0.997	11CD	5.1	2.31	11.8	298	D
VESE110	HESE110	Arbutus	795.0	37	1.026	11CD	5.1	2.31	11.8	298	D
VESE110	HESE110	—	800.0	61	1.031	11CD	5.1	2.31	11.8	298	D
VESE120	HESE120	Cockscomb	900.0	37	1.092	12CD	5.6	2.54	12.2	310	D
VESE120	HESE120	Magnolia	954.0	37	1.124	12CD	5.6	2.54	12.2	310	D
VESE130	HESE130	Hawkweed	1000.0	37	1.151	13CD	7.5	3.40	14.1	359	D
VESE130	HESE130	Bluebell	1033.5	37	1.170	13CD	7.5	3.40	14.1	359	D
VESE130	HESE130	Marigold	1113.0	61	1.216	13CD	7.5	3.40	14.1	359	D
VESE140	HESE140	Hawthorn	1192.5	61	1.258	14CD	8.4	3.81	14.6	370	D
VESE140	HESE140	—	1250.0	91	1.289	14CD	8.4	3.81	14.6	370	D
VESE140	HESE140	Narcissus	1272.0	61	1.300	14CD	8.4	3.81	14.6	370	D
VESE140	HESE140	—	1300.0	91	1.315	14CD	8.4	3.81	14.6	370	D
VESE150	HESE150	Columbine	1351.5	61	1.340	15CD	9.3	4.22	15.0	381	D
VESE150	HESE150	Carnation	1431.0	61	1.379	15CD	9.3	4.22	15.0	381	D
VESE150	HESE150	—	1500.0	91	1.412	15CD	9.3	4.22	15.0	381	D
VESE150	HESE150	Gladiolus	1510.5	61	1.417	15CD	9.3	4.22	15.0	381	D
VESE160	HESE160	Coreopsis	1590.0	61	1.454	16CD	11.8	5.35	16.3	414	D
VESE170	HESE170	Jessamine	1750.0	61	1.525	17CD	14.5	6.58	16.7	424	E
VESE180	HESE180	Cowslip	2000.0	91	1.630	18CD	15.7	7.12	17.1	435	E
VESE190	HESE190	Sagebrush	2250.0	91	1.729	19CD	20.0	9.07	19.1	484	E
VESE190	HESE190	—	2300.0		1.750	19CD	20.0	9.07	19.1	484	E
VESE200	HESE200	Lupine	2500.0	91	1.823	20CD	21.3	9.66	19.5	495	E

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Quick Compress Dead Ends for AAC Conductor, Eye Type, Double Tongue, VEDE/HEDE Series



The Quick Compress Dead Ends are designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites while maintaining a minimum 95% of the ASTM rated strength. The steel eye is pre-compressed and the dead end pre-filled, eliminating installation steps.

The dead end tongue and terminal pad are each constructed with a 15º angle, which permits the terminal connector to be bolted in either the straight or the 30º position. Both sides of the pad are finished, creating excellent electrical contact surfaces. For pad to pad connections, AFL recommends the use of No. 2 EJC.

The end tapers of all compression accessories are supplied with a high voltage finish for die sizes 12CD and above. Corona bolts are furnished standard on 15º terminals for these section sizes.
The square edges of bolted pads of the compression accessories could cause Corona. Pads with rounded edges and corners can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector
For an assembly without a terminal connector, use 'NT'.
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'. (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 4: Assemble Catalog Number.

Assy Catalog Number	+	Terminal Connector	+	EHV Finish

Example:
For a vertical eye dead end with no terminal and EHV finish for 795 Arbutus, the complete catalog number is:

VEDE110NTEHV

Notes:
1. Assembly Catalog Number includes dead end, two terminal connectors and aluminum hardware.
2. Eye Dimensions are on page 257.
3. Pad Dimensions are on page 257.
4. Installation Instructions for Dead Ends are on page 266.
5. Installation Instructions for Terminals are on page 272.
6. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

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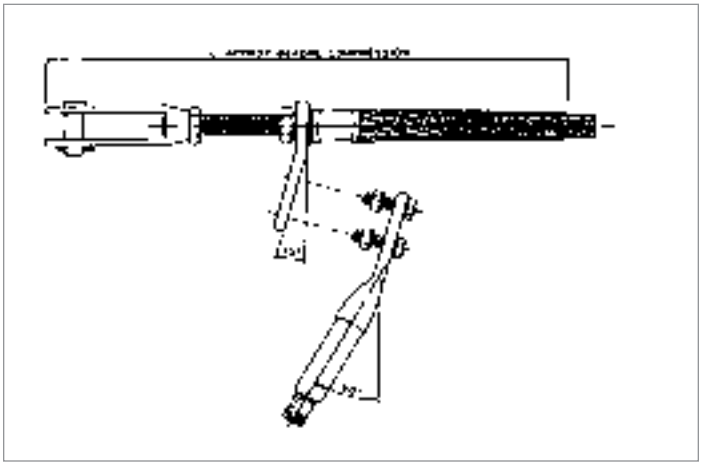
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Quick Compress Dead Ends for AAC Conductor, Eye Type, Double Tongue, VEDE/HEDE Series (cont.)

ASSEMBLY CATALOG NUMBER		CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION L		PAD SIZE
VERTICAL EYE	HORIZONTAL EYE	CODE WORD	SIZE	STRANDING	DIAMETER						
			KCMIL	AL	IN		LBS	KG	IN	MM	
VEDE070	HEDE070	Peony	300.0	19	0.629	07CD	2.5	1.13	8.9	226	B
VEDE070	HEDE070	Tulip	336.4	19	0.666	07CD	2.5	1.13	8.9	226	B
VEDE070	HEDE070	Daffodil	350.0	19	0.679	07CD	2.5	1.13	8.9	226	B
VEDE080	HEDE080	Canna	397.5	19	0.724	08CD	3.0	1.36	9.3	236	B
VEDE090	HEDE090	Goldentuft	450.0	19	0.770	09CD	4.1	1.86	10.4	265	B
VEDE090	HEDE090	Cosmos	477.0	19	0.793	09CD	4.1	1.86	10.4	265	B
VEDE090	HEDE090	Zinnia	500.0	19	0.811	09CD	4.1	1.86	10.4	265	B
VEDE100	HEDE100	Dahlia	556.5	19	0.856	10CD	4.8	2.18	10.9	278	B
VEDE100	HEDE100	Meadowsweet	600.0	37	0.891	10CD	4.8	2.18	10.9	278	B
VEDE100	HEDE100	Orchid	636.0	37	0.918	10CD	4.8	2.18	10.9	278	B
VEDE100	HEDE100	Heuchera	650.0	37	0.928	10CD	4.8	2.18	10.9	278	B
VEDE110	HEDE110	Verbena	700.0	37	0.963	11CD	7.3	3.31	11.8	298	D
VEDE110	HEDE110	Violet	715.5	37	0.974	11CD	7.3	3.31	11.8	298	D
VEDE110	HEDE110	Petunia	750.0	37	0.997	11CD	7.3	3.31	11.8	298	D
VEDE110	HEDE110	Arbutus	795.0	37	1.026	11CD	7.3	3.31	11.8	298	D
VEDE110	HEDE110	—	800.0	61	1.031	11CD	7.3	3.31	11.8	298	D
VEDE120	HEDE120	Cockscomb	900.0	37	1.092	12CD	8.3	3.76	12.2	310	D
VEDE120	HEDE120	Magnolia	954.0	37	1.124	12CD	8.3	3.76	12.2	310	D
VEDE130	HEDE130	Hawkweed	1000.0	37	1.151	13CD	10.6	4.80	14.1	359	D
VEDE130	HEDE130	Bluebell	1033.5	37	1.170	13CD	10.6	4.80	14.1	359	D
VEDE130	HEDE130	Marigold	1113.0	61	1.216	13CD	10.6	4.80	14.1	359	D
VEDE140	HEDE140	Hawthorn	1192.5	61	1.258	14CD	12.0	5.44	14.6	370	D
VEDE140	HEDE140	—	1250.0	91	1.289	14CD	12.0	5.44	14.6	370	D
VEDE140	HEDE140	Narcissus	1272.0	61	1.300	14CD	12.0	5.44	14.6	370	D
VEDE140	HEDE140	—	1300.0	91	1.315	14CD	12.0	5.44	14.6	370	D
VEDE150	HEDE150	Columbine	1351.5	61	1.340	15CD	13.3	6.03	15.0	381	D
VEDE150	HEDE150	Carnation	1431.0	61	1.379	15CD	13.3	6.03	15.0	381	D
VEDE150	HEDE150	—	1500.0	91	1.412	15CD	13.3	6.03	15.0	381	D
VEDE150	HEDE150	Gladiolus	1510.5	61	1.417	15CD	13.3	6.03	15.0	381	D
VEDE160	HEDE160	Coreopsis	1590.0	61	1.454	16CD	16.4	7.44	16.3	414	D
VEDE170	HEDE170	Jessamine	1750.0	61	1.525	17CD	20.2	9.16	16.7	424	E
VEDE180	HEDE180	Cowslip	2000.0	91	1.630	18CD	22.0	9.98	17.1	435	E
VEDE190	HEDE190	Sagebrush	2250.0	91	1.729	19CD	27.4	12.43	19.1	484	E
VEDE190	HEDE190	—	2300.0	91	1.750	19CD	27.4	12.43	19.1	484	E
VEDE200	HEDE200	Lupine	2500.0	91	1.823	20CD	29.2	13.24	19.5	495	E

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Quick Compress Dead Ends for AAC Conductor, Adjustable Clevis Type, Single Tongue, ACSE Series



The Quick Compress Dead Ends are designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites while maintaining a minimum 95% of the ASTM rated strength. The adjustable steel clevis is pre-compressed and the dead end pre-filled, eliminating installation steps.

The dead end tongue and terminal pad are each constructed with a 15° angle, which permits the terminal connector to be bolted in either the straight or the 30° position. Both sides of the pad are finished, creating excellent electrical contact surfaces. For pad to pad connections, AFL recommends the use of No. 2 EJC.

The end tapers of all compression accessories are supplied with a high voltage finish for die sizes 12CD and above. Corona bolts are furnished standard on 15° terminals for these section sizes.
The square edges of bolted pads of the compression accessories could cause Corona. Pads with rounded edges and corners can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector

For an assembly without a terminal connector, use 'NT'.
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish

For Extra High Voltage Finish, use 'EHV'. (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 4: Assemble Catalog Number.

Assy Catalog Number + **Terminal Connector** + **EHV Finish**

Example:

For an adjustable clevis dead end with no terminal and EHV finish for 795 Arbutus, the complete catalog number is:

ACSE110NTEHV

Notes:

1. Assembly Catalog Number includes dead end, terminal connector and aluminum hardware.
2. Clevis Dimensions are on page 258.
3. Pad Dimensions are on page 257.
4. Installation Instructions for Dead Ends are on page 266.
5. Installation Instructions for Terminals are on page 272.
6. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

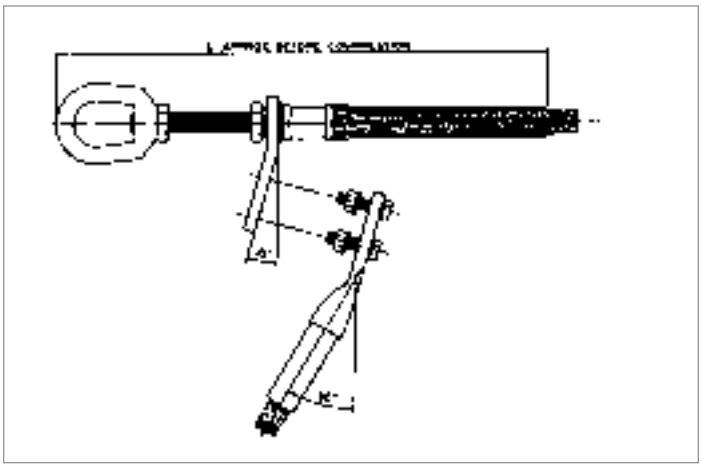
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Quick Compress Dead Ends for AAC Conductor, Adjustable Clevis Type, Single Tongue, ACSE Series (cont.)

ASSEMBLY CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION L		PAD SIZE
	CODE WORD	SIZE KCMIL	STRANDING	DIAMETER IN		LBS	KG	IN	MM	
ACSE070	Peony	300.0	19	0.629	07CD	4.1	1.86	16.6	442	B
ACSE070	Tulip	336.4	19	0.666	07CD	4.1	1.86	16.6	442	B
ACSE070	Daffodil	350.0	19	0.679	07CD	4.1	1.86	16.6	442	B
ACSE080	Canna	397.5	19	0.724	08CD	4.8	2.18	17.2	437	B
ACSE090	Goldentuft	450.0	19	0.770	09CD	5.8	2.63	18.3	465	B
ACSE090	Cosmos	477.0	19	0.793	09CD	5.8	2.63	18.3	465	B
ACSE090	Zinnia	500.0	19	0.811	09CD	5.8	2.63	18.3	465	B
ACSE100	Dahlia	556.5	19	0.856	10CD	6.2	2.81	18.8	476	B
ACSE100	Meadowsweet	600.0	37	0.891	10CD	6.2	2.81	18.8	476	B
ACSE100	Orchid	636.0	37	0.918	10CD	6.2	2.81	18.8	476	B
ACSE100	Heuchera	650.0	37	0.928	10CD	6.2	2.81	18.8	476	B
ACSE110	Verbena	700.0	37	0.963	11CD	10.7	4.85	21.8	554	D
ACSE110	Violet	715.5	37	0.974	11CD	10.7	4.85	21.8	554	D
ACSE110	Petunia	750.0	37	0.997	11CD	10.7	4.85	21.8	554	D
ACSE110	Arbutus	795.0	37	1.026	11CD	10.7	4.85	21.8	554	D
ACSE110	—	800.0	61	1.031	11CD	10.7	4.85	21.8	554	D
ACSE120	Cockscomb	900.0	37	1.092	12CD	11.2	5.08	22.3	565	D
ACSE120	Magnolia	954.0	37	1.124	12CD	11.2	5.08	22.3	565	D
ACSE130	Hawkweed	1000.0	37	1.151	13CD	13.9	6.30	23.8	605	D
ACSE130	Bluebell	1033.5	37	1.170	13CD	13.9	6.30	23.8	605	D
ACSE130	Marigold	1113.0	61	1.216	13CD	13.9	6.30	23.8	605	D
ACSE140	Hawthorn	1192.5	61	1.258	14CD	14.8	6.71	24.3	616	D
ACSE140	—	1250.0	91	1.289	14CD	14.8	6.71	24.3	616	D
ACSE140	Narcissus	1272.0	61	1.300	14CD	14.8	6.71	24.3	616	D
ACSE140	—	1300.0	91	1.315	14CD	14.8	6.71	24.3	616	D
ACSE150	Columbine	1351.5	61	1.340	15CD	15.7	7.12	24.7	627	D
ACSE150	Carnation	1431.0	61	1.379	15CD	15.7	7.12	24.7	627	D
ACSE150	—	1500.0	91	1.412	15CD	15.7	7.12	24.7	627	D
ACSE150	Gladiolus	1510.5	61	1.417	15CD	15.7	7.12	24.7	627	D
ACSE160	Coreopsis	1590.0	61	1.454	16CD	21.9	9.93	28.4	721	D
ACSE170	Jessamine	1750.0	61	1.525	17CD	24.6	11.16	28.9	734	E
ACSE180	Cowslip	2000.0	91	1.630	18CD	25.8	11.70	29.3	743	E
ACSE190	Sagebrush	2250.0	91	1.729	19CD	33.9	15.38	31.1	789	E
ACSE190	—	2300.0	91	1.750	19CD	33.9	15.38	31.1	789	E
ACSE200	Lupine	2500.0	91	1.823	20CD	35.2	15.97	31.5	800	E

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Quick Compress Dead Ends for AAC Conductor, Adjustable Eye Type, Single Tongue, AESE Series



The Quick Compress Dead Ends are designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites while maintaining a minimum 95% of the ASTM rated strength. The adjustable steel eye is pre-compressed and the dead end pre-filled, eliminating installation steps.

The dead end tongue and terminal pad are each constructed with a 15° angle, which permits the terminal connector to be bolted in either the straight or the 30° position. Both sides of the pad are finished, creating excellent electrical contact surfaces. For pad to pad connections, AFL recommends the use of No. 2 EJC.

The end tapers of all compression accessories are supplied with a high voltage finish for die sizes 12CD and above. Corona bolts are furnished standard on 15° terminals for these section sizes.
The square edges of bolted pads of the compression accessories could cause Corona. Pads with rounded edges and corners can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector

For an assembly without a terminal connector, use 'NT'.
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish

For Extra High Voltage Finish, use 'EHV'. (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 4: Assemble Catalog Number.

Assy Catalog Number + **Terminal Connector** + **EHV Finish**

Example:

For an adjustable eye dead end with no terminal and EHV finish for 795 Arbutus, the complete catalog number is:

AESE110NTEHV

Notes:

1. Assembly Catalog Number includes dead end, terminal connector and aluminum hardware.
2. Eye Dimensions are on page 258.
3. Pad Dimensions are on page 257.
4. Installation Instructions for Dead Ends are on page 266.
5. Installation Instructions for Terminals are on page 272.
6. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

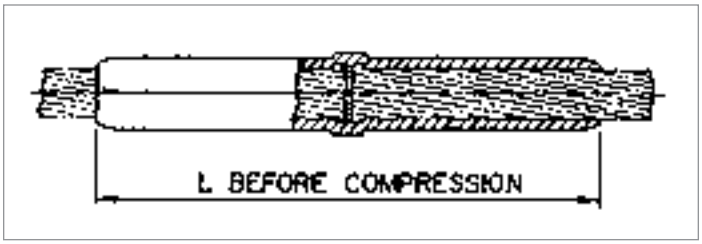
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Quick Compress Dead Ends for AAC Conductor, Adjustable Eye Type, Single Tongue, AESE Series (cont.)

ASSEMBLY CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION L		PAD SIZE
	CODE WORD	SIZE KCMIL	STRANDING	DIAMETER IN		LBS	KG	IN	MM	
AESE070	Peony	300.6	19	0.629	07CD	2.6	1.18	13.8	351	B
AESE070	Tulip	336.4	19	0.666	07CD	2.6	1.18	13.8	351	B
AESE070	Daffodil	350.0	19	0.679	07CD	2.6	1.18	13.8	351	B
AESE080	Canna	397.5	19	0.724	08CD	3.7	1.68	14.8	377	B
AESE090	Goldentuft	450.0	19	0.770	09CD	5.3	2.40	16.4	415	B
AESE090	Cosmos	477.0	19	0.793	09CD	5.3	2.40	16.4	415	B
AESE090	Zinnia	500.0	19	0.811	09CD	5.3	2.40	16.4	415	B
AESE100	Dahlia	556.5	19	0.856	10CD	5.7	2.59	16.8	427	B
AESE100	Meadowsweet	600.0	37	0.891	10CD	5.7	2.59	16.8	427	B
AESE100	Orchid	636.0	37	0.918	10CD	5.7	2.59	16.8	427	B
AESE100	Heuchera	650.0	37	0.928	10CD	5.7	2.59	16.8	427	B
AESE110	Verbena	700.0	37	0.963	11CD	8.7	3.95	19.1	485	D
AESE110	Violet	715.5	37	0.974	11CD	8.7	3.95	19.1	485	D
AESE110	Petunia	750.0	37	0.997	11CD	8.7	3.95	19.1	485	D
AESE110	Arbutus	795.0	37	1.026	11CD	8.7	3.95	19.1	485	D
AESE110	—	800.0	61	1.031	11CD	8.7	3.95	19.1	485	D
AESE120	Cockscomb	900.0	37	1.092	12CD	9.3	4.22	19.6	497	D
AESE120	Magnolia	954.0	37	1.124	12CD	9.3	4.22	19.6	497	D
AESE130	Hawkweed	1000.0	37	1.151	13CD	13.1	5.94	21.6	549	D
AESE130	Bluebell	1033.5	37	1.170	13CD	13.1	5.94	21.6	549	D
AESE130	Marigold	1113.0	61	1.216	13CD	13.1	5.94	21.6	549	D
AESE140	Hawthorn	1192.5	61	1.258	14CD	14.0	6.35	22.1	561	D
AESE140	—	1250.0	91	1.289	14CD	14.0	6.35	22.1	561	D
AESE140	Narcissus	1272.0	61	1.300	14CD	14.0	6.35	22.1	561	D
AESE140	—	1300.0	91	1.315	14CD	14.0	6.35	22.1	561	D
AESE150	Columbine	1351.5	61	1.340	15CD	14.9	6.76	22.5	571	D
AESE150	Carnation	1431.0	61	1.379	15CD	14.9	6.76	22.5	571	D
AESE150	—	1500.0	91	1.412	15CD	14.9	6.76	22.5	571	D
AESE150	Gladiolus	1510.5	61	1.417	15CD	14.9	6.76	22.5	571	D
AESE160	Coreopsis	1590.0	61	1.454	16CD	21.8	9.89	25.7	653	D
AESE170	Jessamine	1750.0	61	1.525	17CD	24.6	11.16	26.2	664	E
AESE180	Cowslip	2000.0	91	1.630	18CD	25.8	11.70	26.5	674	E
AESE190	Sagebrush	2250.0	91	1.729	19CD	31.0	14.60	28.1	713	E
AESE190	—	2300.0	91	1.750	19CD	31.0	14.60	28.1	713	E
AESE200	Lupine	2500.0	91	1.823	20CD	32.3	14.65	28.5	724	E

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Quick Compress Compression Joints for AAC Conductor, CJE Series



The Quick Compress CJE Series Joints are designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites while maintaining a minimum 95% of the ASTM rated strength. The compression joint is pre-filled, eliminating an installation step. Each compression joint has a center stop to ensure proper insertion of the conductor.

The end tapers of all compression accessories are supplied with a high voltage finish for die size sections 12CD and above.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

A compression joint for 795 Arbutus conductor, the complete catalog number is:

CJE11

Notes:

1. Installation Instructions for Compression Joints are on page 268.
2. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION L	
	CODE NAME	SIZE KCMIL	STRANDING	DIAMETER IN		LBS	KG	IN	MM
CJE07	Peony	300.0	19	0.629	07CD	0.3	0.13	5.6	142
CJE07	Tulip	336.4	19	0.666	07CD	0.3	0.13	5.6	142
CJE07	Daffodil	350.0	19	0.679	07CD	0.3	0.13	5.6	142
CJE08	Canna	397.5	19	0.724	08CD	0.4	0.20	6.4	163
CJE09	Goldentuft	450 0	19	0.770	09CD	0.6	0.28	7.2	183
CJE09	Cosmos	477 0	19	0.793	09CD	0.6	0.28	7.2	183
CJE09	Zinnia	500.0	19	0.811	09CD	0.6	0.28	7.2	183
CJE10	Dahlia	556.5	19	0.856	10CD	0.9	0.39	8.0	203
CJE10	Meadowsweet	600.0	37	0.891	10CD	0.9	0.39	8.0	203
CJE10	Orchid	636.0	37	0.918	10CD	0.9	0.39	8.0	203
CJE10	Heuchera	650.0	37	0.928	10CD	0.9	0.39	8.0	203
CJE11	Verbena	700.0	37	0.963	11CD	1.1	0.50	8.8	224
CJE11	Violet	715.5	37	0.974	11CD	1.1	0.50	8.8	224
CJE11	Petunia	750.0	37	0.997	11CD	1.1	0.50	8.8	224
CJE11	Arbutus	795.0	37	1.026	11CD	1.1	0.50	8.8	224
CJE11	—	800.0	61	1.031	11CD	1.1	0.50	8.8	224
CJE12	Cockscomb	900.0	37	1.092	12CD	1.5	0.68	9.6	244
CJE12	Magnolia	964.0	37	1.124	12CD	1.5	0.68	9.6	244

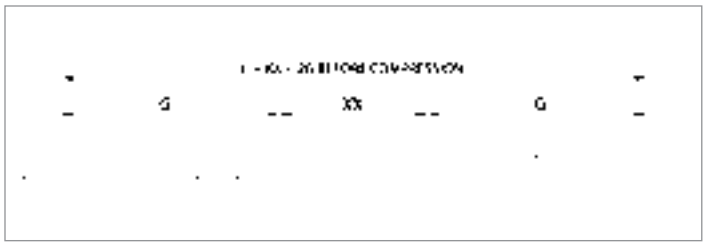
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Quick Compress Compression Joints for AAC Conductor, CJE Series (cont.)

CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION L	
	CODE NAME	SIZE KCMIL	STRANDING	DIAMETER IN		LBS	KG	IN	MM
CJE12	Magnolia	954.0	37	1.124	12CD	1.5	0.68	9.6	244
CJE13	Hawkweed	1000.0	37	1.151	13CD	1.8	0.82	10.4	264
CJE13	Bluebell	1033.5	37	1.170	13CD	1.8	0.82	10.4	264
CJE13	Marigold	1113.0	61	1.216	13CD	1.8	0.82	10.4	264
CJE14	Hawthorn	1192.5	61	1.258	14CD	2.3	1.04	11.2	284
CJE14	—	1250.0	91	1.289	14CD	2.3	1.04	11.2	284
CJE14	Narcissus	1272.0	61	1.300	14CD	2.3	1.04	11.2	284
CJE14	—	1300.0	91	1.315	14CD	2.3	1.04	11.2	284
CJE15	Columbine	1351.5	61	1.340	15CD	2.8	1.27	12.0	305
CJE15	Carnation	1431.0	61	1.379	15CD	2.8	1.27	12.0	305
CJE15	—	1500.0	91	1.412	15CD	2.8	1.27	12.0	305
CJE15	Gladiolus	1510.5	61	1.417	15CD	2.8	1.27	12.0	305
CJE16	Coreopsis	1590.0	61	1.454	16CD	3.4	1.54	12.8	325
CJE17	Jessamine	1750.0	61	1.525	17CD	4.1	1.86	13.6	345
CJE18	Cowslip	2000.0	91	1.630	18CD	4.9	2.22	14.4	366
CJE19	Sagebrush	2250.0	91	1.729	19CD	5.7	2.59	15.2	386
CJE19	—	2300.0	91	1.750	19CD	5.7	2.59	15.2	386
CJE20	Lupine	2500.0	91	1.823	20CD	6.7	3.04	16.0	406

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Quick Compress Replacement Compression Joints for AAC Conductor, CJER Series



The Quick Compress Replacement Joints are used to replace damaged conductor in midspan. They are designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites, while maintaining a minimum 95% of the ASTM rated strength. The replacement joint is pre-filled, eliminating an installation step.

The end tapers of all compression accessories are supplied with a high voltage finish for die size sections 12CD and above.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Step 2: Determine Length of Conductor Removed (XX)

Determine the length of conductor (XX) that will be cut out, to the nearest inch (Maximum 48").

Step 3: Assemble Catalog Number

Catalog Number + **Removed Conductor Length (XX)**

Example:

A replacement compression joint for 795 Arbutus conductor with a removed conductor length of 24 inches, the complete catalog number is:

CJE110R24

Notes:

1. Installation Instructions for Compression Joints are on page 268.
2. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

CATALOG NUMBER	CONDUCTOR				DIE SIZE	DIMENSION G	
	CODE WORD	SIZE	STRANDING	DIAMETER			
		KCMIL	AL	IN		IN	MM
CJE070RXX	Peony	300.6	19	0.629	07CD	7.6	192
CJE070RXX	Tulip	336.4	19	0.666	07CD	7.6	192
CJE070RXX	Daffodil	350.0	19	0.679	07CD	7.6	192
CJE080RXX	Canna	397.5	19	0.724	08CD	8.4	212
CJE090RXX	Goldentuft	450.0	19	0.770	09CD	9.2	233
CJE090RXX	Cosmos	477.0	19	0.793	09CD	9.2	233
CJE090RXX	Zinnia	500.0	19	0.811	09CD	9.2	233
CJE100RXX	Dahlia	556.5	19	0.856	10CD	10.0	253
CJE100RXX	Meadowsweet	600.0	37	0.891	10CD	10.0	253
CJE100RXX	Orchid	636.0	37	0.918	10CD	10.0	253
CJE100RXX	Heuchera	650.0	37	0.928	10CD	10.0	253
CJE110RXX	Verbena	700.0	37	0.963	11CD	10.8	273
CJE110RXX	Violet	715.5	37	0.974	11CD	10.8	273
CJE110RXX	Petunia	750.0	37	0.997	11CD	10.8	273
CJE110RXX	Arbutus	795.0	37	1.026	11CD	10.8	273
CJE110RXX	—	800.0	61	1.031	11CD	10.8	273
CJE120RXX	Cockscomb	900.0	37	1.092	12CD	11.6	294

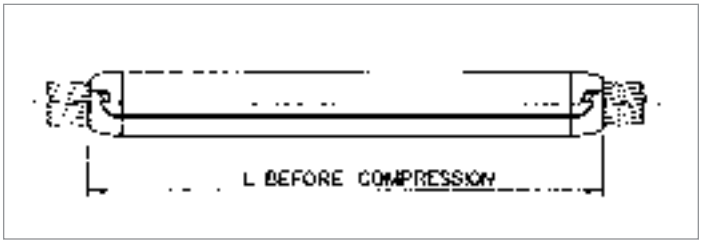
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Quick Compress Replacement Compression Joints for AAC Conductor, CJER Series (cont.)

CATALOG NUMBER	CONDUCTOR				DIE SIZE	DIMENSION G	
	CODE WORD	SIZE	STRANDING	DIAMETER			
		KCMIL	AL	IN		IN	MM
CJE120RXX	Magnolia	954.0	37	1.124	12CD	11.8	294
CJE130RXX	Hawkweed	1000.0	37	1.151	13CD	12.4	314
CJE130RXX	Bluebell	1033.5	37	1.170	13CD	12.4	314
CJE130RXX	Marigold	1113.0	61	1.216	13CD	12.4	314
CJE140RXX	Hawthorn	1192.5	61	1.258	14CD	13.2	334
CJE140RXX	—	1250.0	91	1.289	14CD	13.2	334
CJE140RXX	Narcissus	1272.0	61	1.300	14CD	13.2	334
CJE140RXX	—	1300.0	91	1.315	14CD	13.2	334
CJE150RXX	Columbine	1351.5	61	1.340	15CD	14.0	355
CJE150RXX	Carnation	1431.0	61	1.379	15CD	14.0	355
CJE150RXX	—	1500.0	91	1.412	15CD	14.0	355
CJE150RXX	Gladiolus	1510.5	61	1.417	15CD	14.0	355
CJE160RXX	Coreopsis	1590.0	61	1.454	16CD	14.8	375
CJE170RXX	Jessamine	1750.0	61	1.525	17CD	15.6	395
CJE180RXX	Cowslip	2000.0	91	1.630	18CD	16.4	416
CJE190RXX	Sagebrush	2250.0	91	1.729	19CD	17.2	436
CJE190RXX	—	2300.0	—	1.750	19CD	17.2	436
CJE200RXX	Lupine	2500.0	91	1.823	20CD	18.0	456

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Quick Compress Repair Sleeve for AAC Conductor, RS Series



The Quick Compress Repair Sleeve is designed for ACSR, AAC, AAAC and ACAR conductors. The repair sleeve incorporates an improved design of interlocking extrusions, providing a permanent grip on the conductor when compressed.

The repair sleeve will restore the conductor to 95% of its ASTM rated strength where up to one-third of the aluminum strands are damaged.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

A repair sleeve for 795 Arbutus conductor, the complete catalog number is:

RS11

Notes:

1. Installation Instructions for Compression Joints are on page 270.
2. For more information on die selection and ordering instructions, see the AFL Tool Catalog.

AFL NO.	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION L	
	CODE WORD	SIZE KCMIL	STRANDING	DIAMETER IN		LBS	KG	IN	MM
RS07	Peony	300.0	19	0.629	07CD	0.4	0.17	8.4	213
RS07	Tulip	336.4	19	0.666	07CD	0.4	0.17	8.4	213
RS07	Daffodil	350.0	19	0.679	07CD	0.4	0.17	8.4	213
RS08	Canna	397.5	19	0.724	08CD	0.6	0.26	9.6	244
RS09	Goldentuft	450.0	19	0.770	09CD	0.8	0.38	10.8	274
RS09	Cosmos	477.0	19	0.793	09CD	0.8	0.38	10.8	274
RS09	Zinnia	500.0	19	0.811	09CD	0.8	0.38	10.8	274
RS10	Dahlia	556.5	19	0.856	10CD	1.1	0.50	12.0	305
RS10	Meadowsweet	600.0	37	0.891	10CD	1.1	0.50	12.0	305
RS10	Orchid	636.0	37	0.918	10CD	1.1	0.50	12.0	305
RS10	Heuchera	650.0	37	0.928	10CD	1.1	0.50	12.0	305
RS11	Verbena	700.0	37	0.963	11CD	1.5	0.68	13.2	335
RS11	Violet	715.5	37	0.974	11CD	1.5	0.68	13.2	335
RS11	Petunia	750.0	37	0.997	11CD	1.5	0.68	13.2	335
RS11	Arbutus	795.0	37	1.026	11CD	1.5	0.68	13.2	335
RS11	—	800.0	61	1.031	11CD	1.5	0.68	13.2	335
RS12	Cockscomb	900.0	37	1.092	12CD	1.9	0.86	14.4	366
RS12	Magnolia	954.0	37	1.124	12CD	1.9	0.86	14.4	366

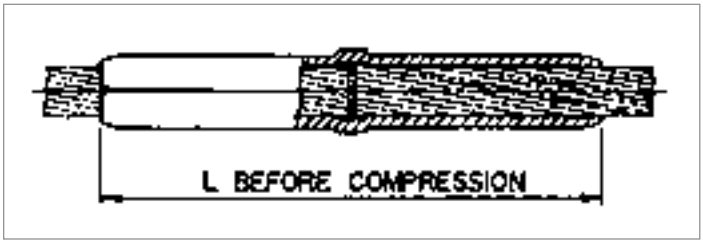
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Quick Compress Repair Sleeve for AAC Conductor, RS Series (cont.)

AFL NO.	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION L	
	CODE WORD	SIZE	STRANDING	DIAMETER					
		KCMIL		IN		LBS	KG	IN	MM
RS13	Hawkweed	1000.0	37	1.151	13CD	2.4	1.09	15.6	396
RS13	Bluebell	1033.5	37	1.170	13CD	2.4	1.09	15.6	396
RS13	Marigold	1113.0	61	1.216	13CD	2.4	1.09	15.6	396
RS14	Hawthorn	1192.5	61	1.258	14CD	3.1	1.41	16.8	427
RS14	—	1250.0	91	1.289	14CD	3.1	1.41	16.8	427
RS14	Narcissus	1272.0	61	1.300	14CD	3.1	1.41	16.8	427
RS14	—	1300.0	91	1.315	14CD	3.1	1.41	16.8	427
RS15	Columbine	1351.5	61	1.340	15CD	3.8	1.72	18.0	457
RS15	Carnation	1431.0	61	1.379	15CD	3.8	1.72	18.0	457
RS15	—	1500.0	91	1.412	15CD	3.8	1.72	18.0	457
RS15	Gladiolus	1510.5	61	1.417	15CD	3.8	1.72	18.0	457
RS16	Coreopsis	1590.0	61	1.454	16CD	4.6	2.09	19.2	488
RS17	Jessamine	1750.0	61	1.525	17CD	5.5	2.49	20.4	518
RS18	Cowslip	2000.0	91	1.630	18CD	6.6	2.99	21.6	549
RS19	Sagebrush	2250.0	91	1.729	19CD	7.8	3.54	22.8	579
RS19	—	2300.0	91	1.750	19CD	7.8	3.54	22.8	579
RS20	Lupine	2500.0	91	1.823	20CD	9.1	4.13	24.0	610

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Quick Compress Jumper Connector for AAC Conductor, JC Series



The Quick Compress Jumper Connector is designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites. The jumper connector is pre-filled, eliminating an installation step. Each jumper connector has a center stop, making it easy to center the jumper on the conductor.

All Quick Compress Jumper Connectors are designed for limited tension use, maintaining a minimum of 40% of the ASTM rated strength of the conductor.

The end tapers of all compression accessories are supplied with a High Voltage finish for die size sections 12CD and above.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

A jumper connector for 795 Arbutus conductor, the complete catalog number is:

JC11

Notes:

1. Installation Instructions for Jumpers are on page 271.
2. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION L	
	CODE WORD	SIZE	STRANDING	DIAMETER					
		KCMIL		IN		LBS	KG	IN	MM
JC07	Peony	300.6	19	0.629	07CD	0.3	0.12	5.6	142
JC07	Tulip	336.4	19	0.666	07CD	0.3	0.12	5.6	142
JC07	Daffodil	350.0	19	0.679	07CD	0.3	0.12	5.6	142
JC08	Canna	397.5	19	0.724	08CD	0.4	0.19	6.4	163
JC09	Goldentuft	450.0	19	0.770	09CD	0.6	0.27	7.2	183
JC09	Cosmos	477.0	19	0.793	09CD	0.6	0.27	7.2	183
JC09	Zinnia	500.0	19	0.811	09CD	0.6	0.27	7.2	183
JC10	Dahlia	556.5	19	0.856	10CD	0.8	0.37	8.0	203
JC10	Meadowsweet	600.0	37	0.891	10CD	0.8	0.37	8.0	203
JC10	Orchid	636.0	37	0.918	10CD	0.8	0.37	8.0	203
JC10	Heuchera	650.0	37	0.928	10CD	0.8	0.37	8.0	203
JC11	Verbena	700.0	37	0.963	11CD	1.1	0.50	8.8	224
JC11	Violet	715.5	37	0.974	11CD	1.1	0.50	8.8	224
JC11	Petunia	750.0	37	0.997	11CD	1.1	0.50	8.8	224
JC11	Arbutus	795.0	37	1.026	11CD	1.1	0.50	8.8	224
JC11	—	800.0	61	1.031	11CD	1.1	0.50	8.8	224

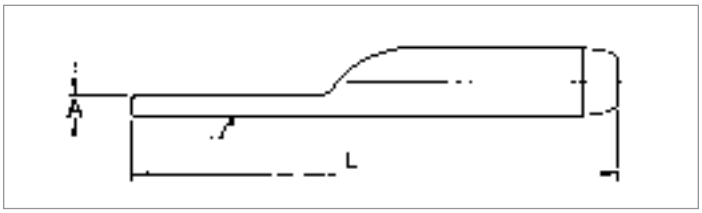
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Quick Compress Jumper Connector for AAC Conductor, JC Series (cont.)

CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION L	
	CODE WORD	SIZE	STRANDING	DIAMETER					
		KCMIL		IN		LBS	KG	IN	MM
JC12	Cockscomb	900.0	37	1.092	12CD	1.4	0.64	9.6	244
JC12	Magnolia	954.0	37	1.124	12CD	1.4	0.64	9.6	244
JC13	Hawkweed	1000.0	37	1.151	13CD	1.7	0.77	10.4	264
JC13	Bluebell	1033.5	37	1.170	13CD	1.7	0.77	10.4	264
JC13	Marigold	1113.0	61	1.216	13CD	1.7	0.77	10.4	264
JC14	Hawthorn	1192.5	61	1.258	14CD	2.2	1.00	11.2	284
JC14	—	1250.0	91	1.289	14CD	2.2	1.00	11.2	284
JC14	Narcissus	1272.0	61	1.300	14CD	2.2	1.00	11.2	284
JC14	—	1300.0	91	1.315	14CD	2.2	1.00	11.2	284
JC15	Columbine	1351.5	61	1.340	15CD	2.7	1.22	12.0	305
JC15	Carnation	1431.0	61	1.379	15CD	2.7	1.22	12.0	305
JC15	—	1500.0	91	1.412	15CD	2.7	1.22	12.0	305
JC15	Gladiolus	1510.5	61	1.417	15CD	2.7	1.22	12.0	305
JC16	Coreopsis	1590.0	61	1.454	16CD	3.3	1.50	12.8	325
JC17	Jessamine	1750.0	61	1.525	17CD	3.9	1.77	13.6	345
JC18	Cowslip	2000.0	91	1.630	18CD	4.7	2.13	14.4	366
JC19	Sagebrush	2250.0	91	1.729	19CD	5.4	2.45	15.2	386
JC19	—	2300.0	91	1.750	19CD	5.4	2.45	15.2	386
JC20	Lupine	2500.0	91	1.823	20CD	6.4	2.90	16.0	406

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Quick Compress Terminal for AAC Conductor, Straight, TS Series



The TS Series Straight Terminal Connector is designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites. The terminal connector is pre-filled, eliminating an installation step.

All TS Series connectors are designed for limited tension use, maintaining a minimum of 40% of the ASTM rated strength of the conductor.

The end tapers of all compression accessories are supplied with a High Voltage finish for die size sections 12CD and above.

The square edges of bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Catalog Number

Determine the catalog number based on the conductor being used.

Step 2: Extra High Voltage Finish

For Extra High Voltage Finish, use 'EHV'. (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 3: Assemble Catalog Number.

Catalog Number + **EHV Finish**

Example:

A straight terminal for 795 Arbutus with an EHV finish, the complete catalog number is:

TS11EHV

Notes:

1. Pad Dimensions are on page 257.
2. Installation Instructions for Terminals are on page 272.
3. Bolts, nuts and washers are not supplied with TS Series Terminal Connectors.
4. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

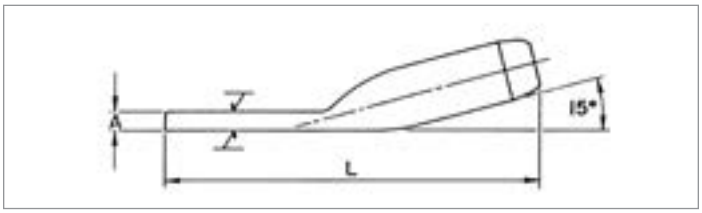
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Quick Compress Terminal for AAC Conductor, Straight, TS Series (cont.)

CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION				PAD SIZE
	CODE WORD	SIZE	STRANDING	DIAMETER				A		L		
		KCMIL	AL	IN		LBS	KG	IN	MM	IN	MM	
TS07	Peony	300.0	19	0.629	07CD	0.5	0.20	0.3	8	9.0	229	B
TS07	Tulip	336.4	19	0.666	07CD	0.5	0.20	0.3	8	9.0	229	B
TS07	Daffodil	350.0	19	0.679	07CD	0.5	0.20	0.3	8	9.0	229	B
TS08	Canna	397.5	19	0.724	08CD	0.6	0.28	0.4	10	9.6	244	B
TS09	Goldentuft	450.0	19	0.770	09CD	0.8	0.38	0.4	11	10.0	254	B
TS09	Cosmos	477.0	19	0.793	09CD	0.8	0.38	0.4	11	10.0	254	B
TS09	Zinnia	500.0	19	0.811	09CD	0.8	0.38	0.4	11	10.0	254	B
TS10	Dahlia	556.5	19	0.856	10CD	1.1	0.50	0.5	12	10.6	269	B
TS10	Meadowsweet	600.0	37	0.891	10CD	1.1	0.50	0.5	12	10.6	269	B
TS10	Orchid	636.0	37	0.918	10CD	1.1	0.50	0.5	12	10.6	269	B
TS10	Heuchera	650.0	37	0.928	10CD	1.1	0.50	0.5	12	10.6	269	B
TS11	Verbena	700.0	37	0.963	11CD	1.5	0.68	0.4	9	11.7	297	D
TS11	Violet	715.5	37	0.974	11CD	1.5	0.68	0.4	9	11.7	297	D
TS11	Petunia	750.0	37	0.997	11CD	1.5	0.68	0.4	9	11.7	297	D
TS11	Arbutus	795.0	37	1.026	11CD	1.5	0.68	0.4	9	11.7	297	D
TS11	—	800.0	61	1.031	11CD	1.5	0.68	0.4	9	11.7	297	D
TS12	Cockscomb	900.0	37	1.092	12CD	1.8	0.82	0.4	11	12.1	307	D
TS12	Magnolia	954.0	37	1.124	12CD	1.8	0.82	0.4	11	12.1	307	D
TS13	Hawkweed	1000.0	37	1.151	13CD	2.1	0.95	0.5	13	12.8	325	D
TS13	Bluebell	1033.5	37	1.170	13CD	2.1	0.95	0.5	13	12.8	325	D
TS13	Marigold	1113.0	61	1.216	13CD	2.1	0.95	0.5	13	12.8	325	D
TS14	Hawthorn	1192.5	61	1.258	14CD	2.7	1.22	0.6	16	13.8	351	D
TS14	—	1250.0	91	1.289	14CD	2.7	1.22	0.6	16	13.8	351	D
TS14	Narcissus	1272.0	61	1.300	14CD	2.7	1.22	0.6	16	13.8	351	D
TS14	—	1300.0	91	1.315	14CD	2.7	1.22	0.6	16	13.8	351	D
TS15	Columbine	1351.5	61	1.340	15CD	3.3	1.50	0.7	17	14.3	363	D
TS15	Carnation	1431.0	61	1.379	15CD	3.3	1.50	0.7	17	14.3	363	D
TS15	—	1500.0	91	1.412	15CD	3.3	1.50	0.7	17	14.3	363	D
TS15	Gladiolus	1510.5	61	1.417	15CD	3.3	1.50	0.7	17	14.3	363	D
TS16	Coreopsis	1590.0	61	1.454	16CD	3.8	1.72	0.7	17	14.6	371	D
TS17	Jessamine	1750.0	61	1.525	17CD	0.5	2.13	0.7	17	16.3	414	E
TS18	Cowslip	2000.0	91	1.630	18CD	5.5	2.49	0.7	19	16.8	427	E
TS19	Sagebrush	2250.0	91	1.729	19CD	6.5	2.95	0.9	22	17.5	445	E
TS19	—	2300.0	91	1.750	19CD	6.5	2.95	0.9	22	17.5	445	E
TS20	Lupine	2500.0	91	1.823	20CD	7.3	3.31	0.9	22	12.9	455	E.

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Quick Compress Terminal for AAC Conductor, 15°, TF Series



The TF Series 15° Terminal Connector is designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites. The terminal connector is pre-filled, eliminating an installation step.

When used with the Quick Compress dead end, the TF Series connectors can be bolted in either straight or 30° position. All TF Series connectors are designed for limited tension use, maintaining a minimum of 40% of the ASTM rated strength of the conductor.

The end tapers of all compression accessories are supplied with a High Voltage finish for die size sections 12CD and above.
The square edges of bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Catalog Number

Determine the catalog number based on the conductor being used.

Step 2: Extra High Voltage Finish

For Extra High Voltage Finish, use 'EHV'. (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 3: Assemble Catalog Number.

Catalog Number + **EHV Finish**

Example:

A 15° terminal for 795 Arbutus with an EHV finish, the complete catalog number is:

TF11EHV

Notes:
1. Pad Dimensions are on page 257.
2. Installation Instructions for Terminals are on page 272.
3. Bolts, nuts and washers are supplied with TF Series Terminal Connectors.
4. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

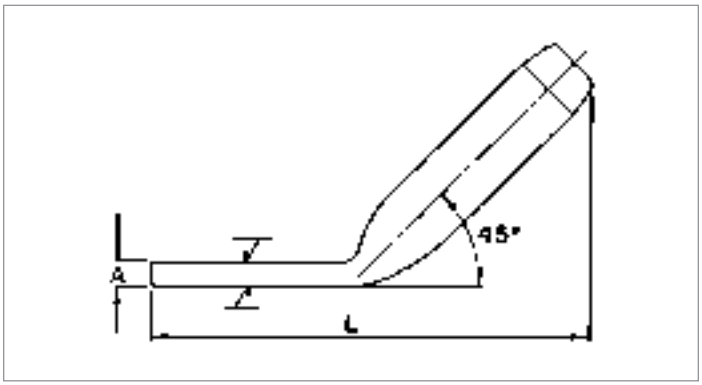
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Quick Compress Terminal for AAC Conductor, 15°, TF Series (cont.)

CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSIONS				PAD SIZE
	CODE WORD	SIZE	STRANDING	DIAMETER				A		L		
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	IN	MM	
TF07	Peony	300.6	19	0.629	07CD	0.5	0.24	0.3	8	7.8	196	B
TF07	Tulip	336.4	19	0.666	07CD	0.5	0.24	0.3	8	7.8	196	B
TF07	Daffodil	350.0	19	0.679	07CD	0.5	0.24	0.3	8	7.8	196	B
TF08	Canna	397.5	19	0.724	08CD	0.7	0.31	0.4	10	8.3	211	B
TF09	Goldentuft	450.0	19	0.770	09CD	0.9	0.40	0.4	11	8.9	226	B
TF09	Cosmos	477.0	19	0.793	09CD	0.9	0.40	0.4	11	8.9	226	B
TF09	Zinnia	500.0	19	0.811	09CD	0.9	0.40	0.4	11	8.9	226	B
TF10	Dahlia	556.5	19	0.856	10CD	1.1	0.50	0.5	12	9.4	239	B
TF10	Meadowsweet	600.0	37	0.891	10CD	1.1	0.50	0.5	12	9.4	239	B
TF10	Orchid	636.0	37	0.918	10CD	1.1	0.50	0.5	12	9.4	239	B
TF10	Heuchera	650.0	37	0.928	10CD	1.1	0.50	0.5	12	9.4	239	B
TF11	Verbena	700.0	37	0.963	11CD	1.5	0.68	0.4	9	10.4	264	D
TF11	Violet	715.5	37	0.974	11CD	1.5	0.68	0.4	9	10.4	264	D
TF11	Petunia	750.0	37	0.997	11CD	1.5	0.68	0.4	9	10.4	264	D
TF11	Arbutus	795.0	37	1.026	11CD	1.5	0.68	0.4	9	10.4	264	D
TF11	—	800.0	61	1.031	11CD	1.5	0.68	0.4	9	10.4	264	D
TF12	Cockscomb	900.0	37	1.092	12CD	1.9	0.86	0.4	11	11.0	279	D
TF12	Magnolia	954.0	37	1.124	12CD	1.9	0.86	0.4	11	11.0	279	D
TF13	Hawkweed	1000.0	37	1.151	13CD	2.2	1.00	0.5	13	11.2	284	D
TF13	Bluebell	1033.5	37	1.170	13CD	2.2	1.00	0.5	13	11.2	284	D
TF13	Marigold	1113.0	61	1.216	13CD	2.2	1.00	0.5	13	11.2	284	D
TF14	Hawthorn	1192.5	61	1.258	14CD	2.8	1.27	0.6	16	12.0	305	D
TF14	—	1250.0	91	1.289	14CD	2.8	1.27	0.6	16	12.0	305	D
TF14	Narcissus	1272.0	61	1.300	14CD	2.8	1.27	0.6	16	12.0	305	D
TF14	—	1300.0	91	1.315	14CD	2.8	1.27	0.6	16	12.0	305	D
TF15	Columbine	1351.5	61	1.340	15CD	3.2	1.45	0.7	17	12.5	318	D
TF15	Carnation	1431.0	61	1.379	15CD	3.2	1.45	0.7	17	12.5	318	D
TF15	—	1500.0	91	1.412	15CD	3.2	1.45	0.7	17	12.5	318	D
TF15	Gladiolus	1510.5	61	1.417	15CD	3.2	1.45	0.7	17	12.5	318	D
TF16	Coreopsis	1590.0	61	1.454	16CD	3.7	1.69	0.9	17	13.3	338	D
TF17	Jessamine	1750.0	61	1.525	17CD	4.6	2.09	0.7	17	14.4	366	E
TF18	Cowslip	2000.0	91	1.630	18CD	5.2	2.36	0.7	19	15.0	381	E
TF19	Sagebrush	2250.0	91	1.729	19CD	6.3	2.86	0.9	22	15.7	399	E
TF19	—	2300.0	91	1.750	19CD	6.3	2.86	0.9	22	15.7	399	E
TF20	Lupine	2500.0	91	1.823	20CD	6.8	3.08	0.9	22	16.0	406	E

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Quick Compress Terminal for AAC Conductor, 45°, T45 Series



The T45 Series 45° Terminal Connector is designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites. The terminal connector is pre-filled, eliminating an installation step.

All T45 Series connectors are designed for limited tension use, maintaining a minimum of 40% of the ASTM rated strength of the conductor.

The end tapers of all compression accessories are supplied with a High Voltage finish for die size sections 12CD and above.

The square edges of bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Catalog Number

Determine the catalog number based on the conductor being used.

Step 2: Extra High Voltage Finish

For Extra High Voltage Finish, use 'EHV'. (≥ 345 kV)

For Standard Finish, leave blank. (< 345 kV)

Step 3: Assemble Catalog Number.

Catalog Number + **EHV Finish**

Example:

A 45° terminal for 795 Arbutus with an EHV finish, the complete catalog number is:

T4511EHV

Notes:

1. Pad Dimensions are on page 257.
2. Installation Instructions for Terminals are on page 272.
3. Bolts, nuts and washers are not supplied with T45 Series Terminal Connectors.
4. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

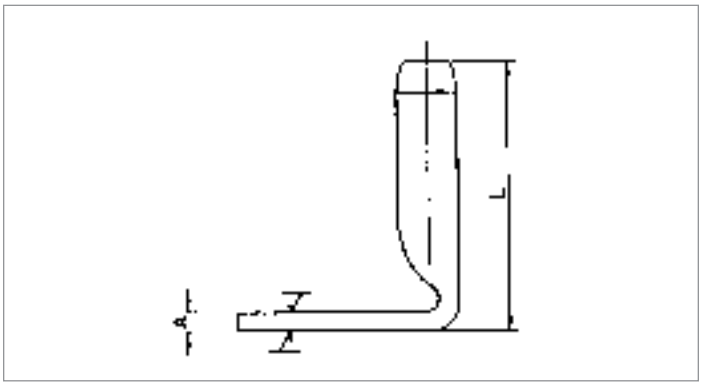
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Quick Compress Terminal for AAC Conductor, 45°, T45 Series (cont.)

CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSIONS				PAD SIZE
	CODE WORD	SIZE	STRANDING	DIAMETER				A		L		
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	IN	MM	
T4507	Peony	300.6	19	0.629	07CD	0.4	0.19	0.3	8	7.3	185	B
T4507	Tulip	336.4	19	0.666	07CD	0.4	0.19	0.3	8	7.3	185	B
T4507	Daffodil	350.0	19	0.679	07CD	0.4	0.19	0.3	8	7.3	185	B
T4508	Canna	397.5	19	0.724	08CD	0.6	0.25	0.4	10	7.8	198	B
T4509	Goldentuft	450.0	19	0.770	09CD	0.8	0.34	0.4	11	8.2	208	B
T4509	Cosmos	477.0	19	0.793	09CD	0.8	0.34	0.4	11	8.2	208	B
T4509	Zinnia	500.0	19	0.811	09CD	0.8	0.34	0.4	11	8.2	208	B
T4510	Dahlia	556.5	19	0.856	10CD	1.0	0.45	0.5	12	8.6	218	B
T4510	Meadowsweet	600.0	37	0.891	10CD	1.0	0.45	0.5	12	8.6	218	B
T4510	Orchid	636.0	37	0.918	10CD	1.0	0.45	0.5	12	8.6	218	B
T4510	Heuchera	650.0	37	0.928	10CD	1.0	0.45	0.5	12	8.6	218	B
T4511	Verbena	700.0	37	0.963	11CD	1.3	0.59	0.4	9	9.4	239	D
T4511	Violet	715.5	37	0.974	11CD	1.3	0.59	0.4	9	9.4	239	D
T4511	Petunia	750.0	37	0.997	11CD	1.3	0.59	0.4	9	9.4	239	D
T4511	Arbutus	795.0	37	1.026	11CD	1.3	0.59	0.4	9	9.4	239	D
T4511	—	800.0	61	1.031	11CD	1.3	0.59	0.4	9	9.4	239	D
T4512	Cockscomb	900.0	37	1.092	12CD	1.6	0.73	0.4	11	9.7	246	D
T4512	Magnolia	954.0	37	1.124	12CD	1.6	0.73	0.4	11	9.7	246	D
T4513	Hawkweed	1000.0	37	1.151	13CD	2.0	0.91	0.5	13	10.2	259	D
T4513	Bluebell	1033.5	37	1.170	13CD	2.0	0.91	0.5	13	10.2	259	D
T4513	Marigold	1113.0	61	1.216	13CD	2.0	0.91	0.5	13	10.2	259	D
T4514	Hawthorn	1192.5	61	1.258	14CD	2.3	1.04	0.6	16	10.6	269	D
T4514	—	1250.0	91	1.289	14CD	2.3	1.04	0.6	16	10.6	269	D
T4514	Narcissus	1272.0	61	1.300	14CD	2.3	1.04	0.6	16	10.6	269	D
T4514	—	1300.0	91	1.315	14CD	2.3	1.04	0.6	16	10.6	269	D
T4515	Columbine	1351.5	61	1.340	15CD	2.8	1.27	0.7	17	11.8	300	D
T4515	Carnation	1431.0	61	1.379	15CD	2.8	1.27	0.7	17	11.8	300	D
T4515	—	1500.0	91	1.412	15CD	2.8	1.27	0.7	17	11.8	300	D
T4515	Gladiolus	1510.5	61	1.417	15CD	2.8	1.27	0.7	17	11.8	300	D
T4516	Coreopsis	1590.0	61	1.454	16CD	3.4	1.54	0.7	17	11.0	279	D
T4517	Jessamine	1750.0	61	1.525	17CD	4.2	1.91	0.7	17	12.6	320	E
T4518	Cowslip	2000.0	91	1.630	18CD	4.9	2.22	0.7	19	13.0	330	E
T4519	Sagebrush	2250.0	91	1.729	19CD	5.7	2.59	0.9	22	13.7	348	E
T4519	—	2300.0	91	1.750	19CD	5.7	2.59	0.9	22	13.7	348	E
T4520	Lupine	2500.0	91	1.823	20CD	6.5	2.95	0.9	22	14.2	361	E

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Quick Compress Terminal for AAC Conductor, 90º, TN Series



The TN Series 90º Terminal Connector is designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites. The terminal connector is pre-filled, eliminating an installation step.

All TN Series connectors are designed for limited tension use, maintaining a minimum of 40% of the ASTM rated strength of the conductor.

The end tapers of all compression accessories are supplied with a High Voltage finish for die size sections 12CD and above.

The square edges of bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Catalog Number

Determine the catalog number based on the conductor being used.

Step 2: Extra High Voltage Finish

For Extra High Voltage Finish, use 'EHV'. (≥ 345 kV)

For Standard Finish, leave blank. (< 345 kV)

Step 3: Assemble Catalog Number.

Catalog Number + **EHV Finish**

Example:

A 90º terminal for 795 Arbutus with an EHV finish, the complete catalog number is:

TN11EHV

Notes:

1. Pad Dimensions are on page 257.
2. Installation Instructions for Terminals are on page 272.
3. Bolts, nuts and washers are not supplied with TN Series Terminal Connectors.
4. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

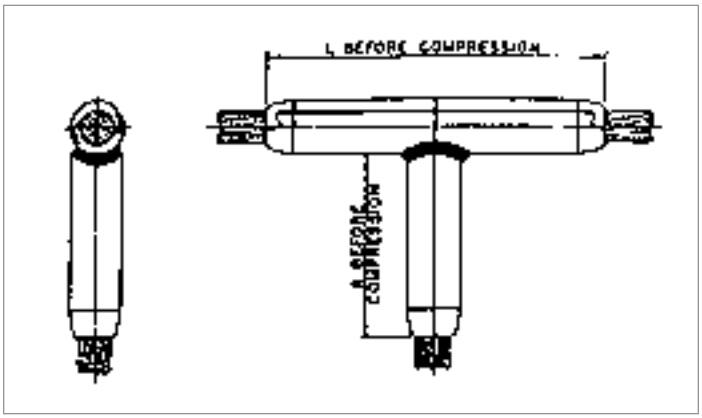
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Quick Compress Terminal for AAC Conductor, 90°, TN Series (cont.)

CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSIONS				PAD SIZE
	CODE WORD	SIZE	STRANDING	DIAMETER				A		L		
		KCMIL	AL	IN		LBS	KG	IN	MM	IN	MM	
TN07	Peony	300.6	19	0.629	07CD	0.5	0.20	0.3	8	5.2	132	B
TN07	Tulip	336.4	19	0.666	07CD	0.5	0.20	0.3	8	5.2	132	B
TN07	Daffodil	350.0	19	0.679	07CD	0.5	0.20	0.3	8	5.2	132	B
TN08	Canna	397.5	19	0.724	08CD	0.6	0.29	0.4	10	5.7	145	B
TN09	Goldentuft	450.0	19	0.770	09CD	0.8	0.38	0.4	11	6.2	157	B
TN09	Cosmos	477.0	19	0.793	09CD	0.8	0.38	0.4	11	6.2	157	B
TN09	Zinnia	500.0	19	0.811	09CD	0.8	0.38	0.4	11	6.2	157	B
TN10	Dahlia	556.5	19	0.856	10CD	1.1	0.50	0.5	12	6.7	170	B
TN10	Meadowsweet	600.0	37	0.891	10CD	1.1	0.50	0.5	12	6.7	170	B
TN10	Orchid	636.0	37	0.918	10CD	1.1	0.50	0.5	12	6.7	170	B
TN10	Heuchera	650.0	37	0.928	10CD	1.1	0.50	0.5	12	6.7	170	B
TN11	Verbena	700.0	37	0.963	11CD	1.4	0.64	0.4	9	7.5	191	D
TN11	Violet	715.5	37	0.974	11CD	1.4	0.64	0.4	9	7.5	191	D
TN11	Petunia	750.0	37	0.997	11CD	1.4	0.64	0.4	9	7.5	191	D
TN11	Arbutus	795.0	37	1.026	11CD	1.4	0.64	0.4	9	7.5	191	D
TN11	—	800.0	61	1.031	11CD	1.4	0.64	0.4	9	7.5	191	D
TN12	Cockscomb	900.0	37	1.092	12CD	1.8	0.82	0.4	11	7.9	202	D
TN12	Magnolia	954.0	37	1.124	12CD	1.8	0.82	0.4	11	7.9	202	D
TN13	Hawkweed	1000.0	37	1.151	13CD	2.2	1.00	0.5	13	8.5	216	D
TN13	Bluebell	1033.5	37	1.170	13CD	2.2	1.00	0.5	13	8.5	216	D
TN13	Marigold	1113.0	61	1.216	13CD	2.2	1.00	0.5	13	8.5	216	D
TN14	Hawthorn	1192.5	61	1.258	14CD	2.6	1.18	0.6	16	9.2	233	D
TN14	—	1250.0	91	1.289	14CD	2.6	1.18	0.6	16	9.2	233	D
TN14	Narcissus	1272.0	61	1.300	14CD	2.6	1.18	0.6	16	9.2	233	D
TN14	—	1300.0	91	1.315	14CD	2.6	1.18	0.6	16	9.2	233	D
TN15	Columbine	1351.5	61	1.340	15CD	3.1	1.41	0.7	17	9.8	248	D
TN15	Carnation	1431.0	61	1.379	15CD	3.1	1.41	0.7	17	9.8	248	D
TN15	—	1500.0	91	1.412	15CD	3.1	1.41	0.7	17	9.8	248	D
TN15	Gladiolus	1510.5	61	1.417	15CD	3.1	1.41	0.7	17	9.8	248	D
TN16	Coreopsis	1590.0	61	1.454	16CD	3.7	1.68	0.7	17	10.2	259	D
TN17	Jessamine	1750.0	61	1.525	17CD	4.6	2.09	0.7	17	11.2	264	E
TN18	Cowslip	2000.0	91	1.630	18CD	5.3	2.40	0.7	19	11.4	289	E
TN19	Sagebrush	2250.0	91	1.729	19CD	6.1	2.77	0.9	22	11.9	303	E
TN19	—	2300.0	91	1.750	19CD	6.1	2.77	0.9	22	11.9	303	E
TN20	Lupine	2500.0	91	1.823	20CD	6.9	3.13	0.9	22	12.6	321	E

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Quick Compress Tee Connector for AAC Conductor, Open Run, TTOC Series



Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

A tee connector for 795 Arbutus, the complete catalog number is:

TTOC11

The TTOC Series Open Run Tee Connector is a permanent drop specifically desgined for ACSR, AAC, AAAC and ACAR conductors.

The end tapers of all compression accessories are supplied with a high voltage finish for die size sections 12CD and above.

Notes:

1. Tee Connectors are not prefilled with AFC.
2. Installation Instructions for Tee Connectors are on page 274.
3. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSIONS			
	CODE WORD	SIZE	STRANDING	DIAMETER				A		L	
		KCMIL	AL	IN		LBS	KG	IN	MM	IN	MM
TTOC07	Peony	300.0	19	0.629	07CD	0.5	0.22	3.9	100	6.4	163
TTOC07	Tulip	336.4	19	0.666	07CD	0.5	0.22	3.9	100	6.4	163
TTOC07	Daffodil	350.0	19	0.679	07CD	0.5	0.22	3.9	100	6.4	163
TTOC08	Canna	397.5	19	0.724	08CD	0.7	0.32	4.4	111	7.2	183
TTOC08	Goldentuft	450.0	19	0.770	08CD	0.7	0.32	4.4	111	7.2	183
TTOC09	Cosmos	477.0	19	0.793	09CD	1.0	0.45	4.8	122	7.9	199
TTOC09	Zinnia	500.0	19	0.811	09CD	1.0	0.45	4.8	122	7.9	199
TTOC10	Dahlia	556.5	19	0.856	10CD	1.3	0.59	5.3	133	8.5	216
TTOC10	Meadowsweet	600.0	37	0.891	10CD	1.3	0.59	5.3	133	8.5	216
TTOC10	Orchid	636.0	37	0.918	10CD	1.3	0.59	5.3	133	8.5	216
TTOC10	Heuchera	650.0	37	0.928	10CD	1.3	0.59	5.3	133	8.5	216
TTOC11	Verbena	700.0	37	0.963	11CD	1.7	0.77	5.7	145	9.2	234
TTOC11	Violet	715.5	37	0.974	11CD	1.7	0.77	5.7	145	9.2	234
TTOC11	Petunia	750.0	37	0.997	11CD	1.7	0.77	5.7	145	9.2	234
TTOC11	Arbutus	795.0	37	1.026	11CD	1.7	0.77	5.7	145	9.2	234
TTOC11	—	800.0	61	1.031	11CD	1.7	0.77	5.7	145	9.2	234
TTOP12	Cockscomb	900.0	37	1.092	12CD	2.1	0.95	6.1	155	9.9	250

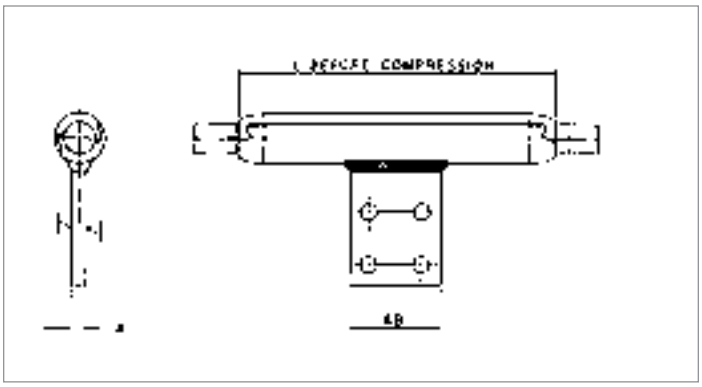
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Quick Compress Tee Connector for AAC Conductor, Open Run, TTOC Series (cont.)

CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSIONS			
	CODE WORD	SIZE	STRANDING	DIAMETER				A		L	
		KCMIL	AL	IN		LBS	KG	IN	MM	IN	MM
TTOC12	Magnolia	954.0	37	1.124	12CD	2.1	0.95	6.1	155	9.9	250
TTOC13	Hawkweed	1000.0	37	1.151	13CD	2.9	1.32	6.6	167	10.6	269
TTOC13	Bluebell	1033.5	37	1.170	13CD	2.9	1.32	6.6	167	10.6	269
TTOC13	Marigold	1113.0	61	1.216	13CD	2.9	1.32	6.6	167	10.6	269
TTOC14	Hawthorn	1192.5	61	1.258	14CD	3.5	1.59	7.0	178	11.2	285
TTOC14	—	1250.0	91	1.289	14CD	3.5	1.59	7.0	178	11.2	285
TTOC14	Narcissus	1272.0	61	1.300	14CD	3.5	1.59	7.0	178	11.2	285
TTOC14	—	1300.0	91	1.315	14CD	3.5	1.59	7.0	178	11.2	285
TTOC15	Columbine	1351.5	61	1.340	15CD	4.2	1.91	7.4	189	11.9	302
TTOC15	Carnation	1431.0	61	1.379	15CD	4.2	1.91	7.4	189	11.9	302
TTOC15	—	1500.0	91	1.412	15CD	4.2	1.91	7.4	189	11.9	302
TTOC15	Gladiolus	1510.5	61	1.417	15CD	4.2	1.91	7.4	189	11.9	302
TTOC16	Coreopsis	1590.0	61	1.454	16CD	5.0	2.27	7.8	198	12.5	316
TTOC17	Jessamine	1750.0	61	1.525	17CD	5.9	2.68	8.3	210	13.1	333
TTOC18	Cowslip	2000.0	91	1.630	18CD	7.0	3.16	8.6	219	13.7	348
TTOC19	Sagebrush	2250.0	91	1.729	19CD	8.0	3.63	9.1	230	14.4	364
TTOC19	—	2300.0	91	1.750	19CD	8.0	3.63	9.1	230	14.4	364
TTOC20	Lupine	2500.0	91	1.823	20CD	9.2	4.17	9.4	240	14.9	378

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Quick Compress Tee Tap for AAC Conductor, Open Run, TTOP Series



The TTOP Series Open Run Tee Tap is a permanent or temporary drop. By using a high strength alloy, the compression length has been shortened for less compression bites.

The run portion incorporates an improved design of interlocking extrusions, providing a permanent grip on the conductor when compressed.

The end tapers of all compression accessories are supplied with a High Voltage finish for die size sections 12CD and above.

The square edges of bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Step 2: Extra High Voltage Finish

For Extra High Voltage Finish, use 'EHV'. (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 3: Assemble Catalog Number.

Assy Catalog Number + **EHV Finish**

Example:

A tee tap for 795 Arbutus with EHV finish, the complete catalog number is:

TTOP11EHV

Notes:
1. Installation Instructions for Tee Taps are on page 274.
2. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

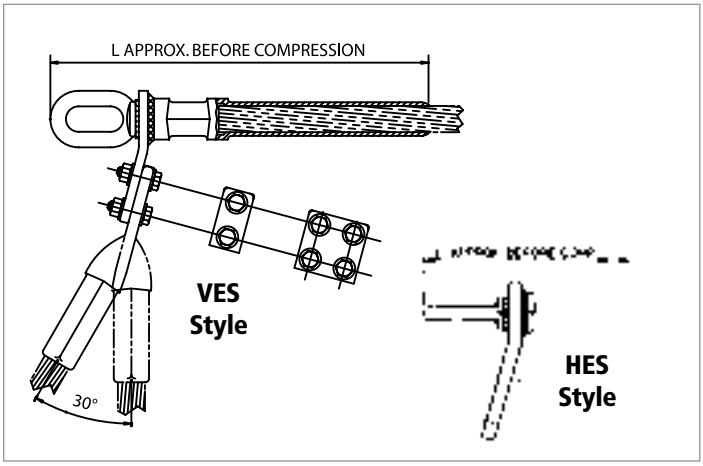
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Quick Compress Tee Tap for AAC Conductor, Open Run, TTOP Series (cont.)

CATALOG NUMBER	CONDUCTOR				DIE SIZE	WEIGHT		DIMENSIONS						PAD SIZE
	CODE WORD	SIZE	STRANDING	DIAMETER		ALUMINUM		A		L		AB		
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	IN	MM	IN	MM	
TTOP07	Peony	300.6	19	0.629	07CD	0.6	0.27	0.4	10	7.4	187	2.0	51	B
TTOP07	Tulip	336.4	19	0.666	07CD	0.6	0.27	0.4	10	7.4	187	2.0	51	B
TTOP07	Daffodil	350.0	19	0.679	07CD	0.6	0.27	0.4	10	7.4	187	2.0	51	B
TTOP08	Canna	397.5	19	0.724	08CD	0.7	0.34	0.4	10	8.0	202	2.0	51	B
TTOP09	Goldentuft	450.0	19	0.770	09CD	0.9	0.41	0.4	10	8.5	215	2.0	51	B
TTOP09	Cosmos	477.0	19	0.793	09CD	0.9	0.41	0.4	10	8.5	215	2.0	51	B
TTOP09	Zinnia	500.0	19	0.811	09CD	0.9	0.41	0.4	10	8.5	215	2.0	51	B
TTOP10	Dahlia	556.5	19	0.856	10CD	1.0	0.45	0.4	10	9.0	229	2.0	51	B
TTOP10	Meadowsweet	600.0	37	0.891	10CD	1.0	0.45	0.4	10	9.0	229	2.0	51	B
TTOP10	Orchid	636.0	37	0.918	10CD	1.0	0.45	0.4	10	9.0	229	2.0	51	B
TTOP10	Heuchera	650.0	37	0.928	10CD	1.0	0.45	0.4	10	9.0	229	2.0	51	B
TTOP11	Verbena	700.0	37	0.963	11CD	1.7	0.77	0.5	13	10.5	267	3.0	76	D
TTOP11	Violet	715.5	37	0.974	11CD	1.7	0.77	0.5	13	10.5	267	3.0	76	D
TTOP11	Petunia	750.0	37	0.997	11CD	1.7	0.77	0.5	13	10.5	267	3.0	76	D
TTOP11	Arbutus	795.0	37	1.026	11CD	1.7	0.77	0.5	13	10.5	267	3.0	76	D
TTOP11	—	800.0	61	1.031	11CD	1.7	0.77	0.5	13	10.5	267	3.0	76	D
TTOP12	Cockscomb	900.0	37	1.092	12CD	2.0	0.91	0.5	13	11.1	281	3.0	76	D
TTOP12	Magnolia	954.0	37	1.124	12CD	2.0	0.91	0.5	13	11.1	281	3.0	76	D
TTOP13	Hawkweed	1000.0	37	1.151	13CD	2.4	1.09	0.5	13	11.6	294	3.0	76	D
TTOP13	Bluebell	1033.5	37	1.170	13CD	2.4	1.09	0.5	13	11.6	294	3.0	76	D
TTOP13	Marigold	1113.0	61	1.216	13CD	2.4	1.09	0.5	13	11.6	294	3.0	76	D
TTOP14	Hawthorn	1192.5	61	1.258	14CD	2.8	1.27	0.5	13	12.1	307	3.0	76	D
TTOP14	—	1250.0	91	1.289	14CD	2.8	1.27	0.5	13	12.1	307	3.0	76	D
TTOP14	Narcissus	1272.0	61	1.300	14CD	2.8	1.27	0.5	13	12.1	307	3.0	76	D
TTOP14	—	1300.0	91	1.315	14CD	2.8	1.27	0.5	13	12.1	307	3.0	76	D
TTOP15	Columbine	1351.5	61	1.340	15CD	3.3	1.50	0.5	13	12.6	321	3.0	76	D
TTOP15	Carnation	1431.0	61	1.379	15CD	3.3	1.50	0.5	13	12.6	321	3.0	76	D
TTOP15	—	1500.0	91	1.412	15CD	3.3	1.50	0.5	13	12.6	321	3.0	76	D
TTOP15	Gladiolus	1510.5	61	1.417	15CD	3.3	1.50	0.5	13	12.6	321	3.0	76	D
TTOP16	Coreopsis	1590.0	61	1.454	16CD	3.7	1.68	0.5	13	13.2	334	3.0	76	D
TTOP17	Jessamine	1750.0	61	1.525	17CD	5.2	2.36	0.8	19	14.6	370	4.0	102	E
TTOP18	Cowslip	2000.0	91	1.630	18CD	5.9	2.68	0.8	19	15.0	380	4.0	102	E
TTOP19	Sagebrush	2250.0	91	1.729	19CD	6.5	2.95	0.8	19	15.5	393	4.0	102	E
TTOP19	—	2300.0	91	1.750	19CD	6.5	2.95	0.8	19	15.5	393	4.0	102	E
TTOP20	Lupine	2500.0	91	1.823	20CD	7.2	3.27	0.8	19	15.9	403	4.0	102	E

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Quick Compress Dead Ends for AAAC and ACAR Conductor, Eye Type, Single Tongue, VES/HES Series



The Quick Compress Dead Ends are designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites while maintaining a minimum 95% of the ASTM rated strength. The steel eye is pre-compressed and the dead end pre-filled, eliminating installation steps.

The dead end tongue and terminal pad are each constructed with a 15° angle, which permits the terminal connector to be bolted in either the straight or the 30° position. Both sides of the pad are finished, creating excellent electrical contact surfaces. For pad to pad connections, AFL recommends the use of No. 2 EJC.

The end tapers of all compression accessories are supplied with a high voltage finish for die sizes 12CD and above. Corona bolts are furnished standard on 15° terminals for these section sizes.
The square edges of bolted pads of the compression accessories could cause Corona. Pads with rounded edges and corners can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector
For an assembly without a terminal connector, use 'NT'.
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'. (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV).

Step 4: Assemble Catalog Number.

Assy Catalog Number	+	Terminal Connector	+	EHV Finish

Example:
For a vertical eye dead end with no terminal and EHV finish for 927.2 Greeley, the complete catalog number is:

VES120NTEHV

Notes:
1. Assembly Catalog Number includes dead end, terminal connector and aluminum hardware.
2. Eye Dimensions are on page 257.
3. Pad Dimensions are on page 257.
4. Installation Instructions for Dead Ends are on page 266.
5. Installation Instructions for Terminals are on page 272.
6. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

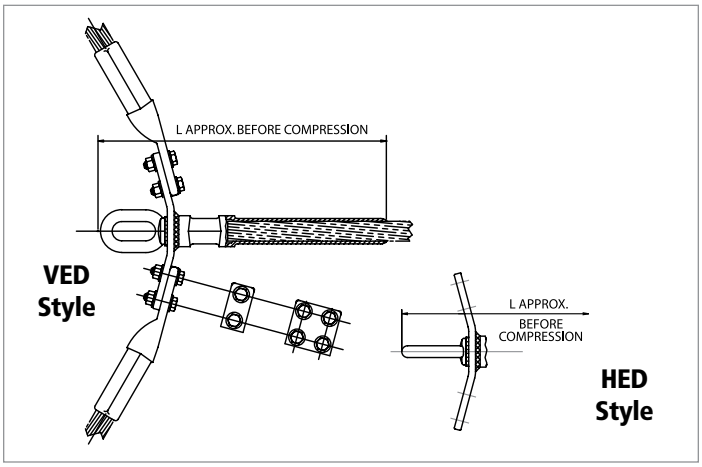
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Quick Compress Dead Ends for AAAC and ACAR Conductor, Eye Type, Single Tongue, VES/HES Series (cont.)

ASSEMBLY CATALOG NUMBER		CONDUCTOR			DIE SIZE	TOTAL		DIMENSION L		PAD SIZE
VERTICAL EYE	HORIZONTAL EYE	CODE WORD	SIZE	DIAMETER						
			KCMIL	IN		LBS	KG	IN	MM	
VES070	HES070	—	281.4	0.609	07CD	1.8	0.82	11.5	292	B
VES070	HES070	Butte	312.8	0.642	07CD	1.8	0.82	11.5	292	B
VES080	HES080	—	355.1	0.684	08CD	2.3	1.04	12.3	313	B
VES080	HES080	Canton	394.5	0.721	08CD	2.3	1.04	12.3	313	B
VES080	HES080	—	419.6	0.743	08CD	2.3	1.04	12.3	313	B
VES090	HES090	Cairo	465.4	0.783	09CD	3.1	1.41	13.8	351	B
VES090	HES090	—	503.6	0.814	09CD	3.1	1.41	13.8	351	B
VES100	VES100	Darien	559.5	0.858	10CD	3.6	1.63	14.7	373	B
VES100	VES100	—	587.2	0.879	10CD	3.6	1.63	14.7	373	B
VES100	VES100	—	634.9	0.914	10CD	3.6	1.63	14.7	373	B
VES100	VES100	—	649.5	0.928	10CD	3.6	1.63	14.7	373	B
VES100	VES100	Elgin	652.4	0.927	10CD	3.6	1.63	14.7	373	B
VES100	VES100	—	657.3	0.930	10CD	3.6	1.63	14.7	373	B
VES110	HES110	Flint	740.8	0.991	11CD	5.5	2.49	15.9	403	D
VES120	HES120	—	853.7	1.063	12CD	6.3	2.86	16.7	424	D
VES120	HES120	Greeley	927.2	1.108	12CD	6.3	2.86	16.7	424	D
VES130	HES130	—	1024.5	1.165	13CD	8.4	3.81	19.0	483	D
VES130	HES130	—	1080.6	1.196	13CD	8.4	3.81	19.0	483	D
VES130	HES130	—	1108.6	1.212	13CD	8.4	3.81	19.0	483	D
VES140	HES140	—	1172.3	1.246	14CD	9.6	4.35	19.8	503	D
VES160	HES160	—	1534.0	1.427	16CD	13.4	6.08	22.3	567	D
VES160	HES160	—	1700.0	1.502	16CD	13.4	6.08	22.3	567	D
VES190	HES190	—	2303.5	1.750	19CD	22.8	10.34	26.2	665	E
VES190	HES190	—	2338.0	1.762	19CD	22.8	10.34	26.2	665	E
VES200	HES200	—	2493.0	1.821	20CD	24.2	10.98	27.0	686	E

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Quick Compress Dead Ends for AAAC and ACAR Conductor, Eye Type, Double Tongue, VED/HED Series



The Quick Compress Dead Ends are designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites while maintaining a minimum 95% of the ASTM rated strength. The steel eye is pre-compressed and the dead end pre-filled, eliminating installation steps.

The dead end tongue and terminal pad are each constructed with a 15º angle, which permits the terminal connector to be bolted in either the straight or the 30º position. Both sides of the pad are finished, creating excellent electrical contact surfaces. For pad to pad connections, AFL recommends the use of No. 2 EJC.

The end tapers of all compression accessories are supplied with a high voltage finish for die sizes 12CD and above. Corona bolts are furnished standard on 15º terminals for these section sizes.
The square edges of bolted pads of the compression accessories could cause Corona. Pads with rounded edges and corners can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector
For an assembly without a terminal connector, use 'NT'.
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'. (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 4: Assemble Catalog Number.

Assy Catalog Number	+	Terminal Connector	+	EHV Finish

Example:
For a vertical eye dead end with no terminal and EHV finish for 927.2 Greeley, the complete catalog number is:

VED120NTEHV

Notes:
1. Assembly Catalog Number includes dead end, two terminal connectors and aluminum hardware.
2. Eye Dimensions are on page 257.
3. Pad Dimensions are on page 257.
4. Installation Instructions for Dead Ends are on page 266.
5. Installation Instructions for Terminals are on page 272.
6. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

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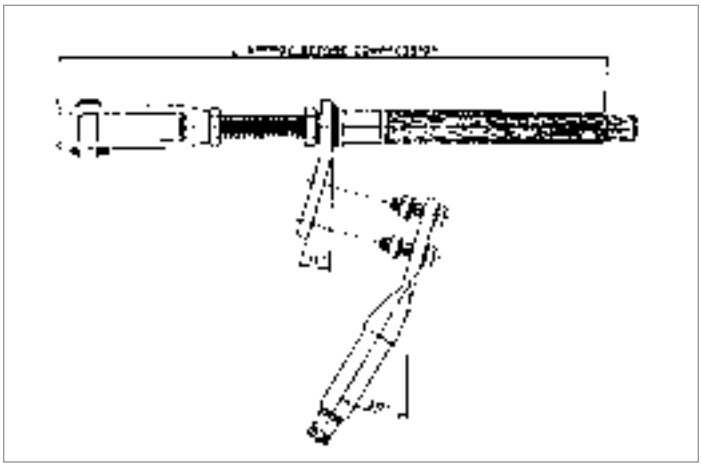
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Quick Compress Dead Ends for AAAC and ACAR Conductor, Eye Type, Double Tongue, VED/HED Series (cont.)

ASSEMBLY CATALOG NUMBER		CONDUCTOR			DIE SIZE	TOTAL WEIGHT		DIMENSION L		PAD SIZE
VERTICAL EYE	HORIZONTAL EYE	CODE NAME	SIZE	DIAMETER						
			KCMIL	IN		LBS	KG	IN	MM	
VED070	HED070	—	281.4	0.609	07CD	2.8	1.27	11.5	292	B
VED070	HED070	Butte	312.8	0.642	07CD	2.8	1.27	11.5	292	B
VED080	HED080	—	355.1	0.684	08CD	3.3	1.5	12.3	313	B
VED080	HED080	Canton	394.5	0.721	08CD	3.3	1.5	12.3	313	B
VED080	HED080	—	419.6	0.743	08CD	3.3	1.5	12.3	313	B
VED090	HED090	Cairo	465.4	0.783	09CD	4.3	1.95	13.8	351	B
VED090	HED090	—	503.6	0.814	09CD	4.3	1.95	13.8	351	B
VED100	VED100	Darien	559.5	0.858	10CD	5.2	2.36	14.7	373	B
VED100	VED100	—	587.2	0.879	10CD	5.2	2.36	14.7	373	B
VED100	VED100	—	634.9	0.914	10CD	5.2	2.36	14.7	373	B
VED100	VED100	—	649.5	0.928	10CD	5.2	2.36	14.7	373	B
VED100	VED100	Elgin	652.4	0.927	10CD	5.2	2.36	14.7	373	B
VED100	VED100	—	657.3	0.930	10CD	5.2	2.36	14.7	373	B
VED110	HED110	Flint	740.8	0.991	11CD	7.7	3.49	15.9	403	D
VED120	HED120	—	853.7	1.063	12CD	9.0	4.06	16.7	424	D
VED120	HED120	Greeley	927.2	1.108	12CD	9.0	4.06	16.7	424	D
VED130	HED130	—	1024.5	1.165	13CD	11.5	5.22	19.0	483	D
VED130	HED130	—	1080.6	1.196	13CD	11.5	5.22	19.0	483	D
VED130	HED130	—	1108.6	1.212	13CD	11.5	5.22	19.0	483	D
VED140	HED140	—	1172.3	1.246	14CD	13.2	5.99	19.8	503	D
VED160	HED160	—	1534	1.427	16CD	18.0	8.16	22.3	567	D
VED160	HED160	—	1700	1.502	16CD	18.0	8.16	22.3	567	D
VED190	HED190	—	2303.5	1.750	19CD	30.2	13.70	26.2	665	E
VED190	HED190	—	2338	1.762	19CD	30.2	13.70	26.2	665	E
VED200	HED200	—	2493	1.821	20CD	32.0	14.51	27.0	686	E

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Quick Compress Dead Ends for AAAC and ACAR Conductor, Adjustable Clevis Type, Single Tongue, ACS Series



The Quick Compress Dead Ends are designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites while maintaining a minimum 95% of the ASTM rated strength. The adjustable steel clevis is pre-compressed and the dead end pre-filled, eliminating installation steps.

The dead end tongue and terminal pad are each constructed with a 15° angle, which permits the terminal connector to be bolted in either the straight or the 30° position. Both sides of the pad are finished, creating excellent electrical contact surfaces. For pad to pad connections, AFL recommends the use of No. 2 EJC.

The end tapers of all compression accessories are supplied with a high voltage finish for die sizes 12CD and above. Corona bolts are furnished standard on 15° terminals for these section sizes.
The square edges of bolted pads of the compression accessories could cause Corona. Pads with rounded edges and corners can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector
For an assembly without a terminal connector, use 'NT'.
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish
For Extra High Voltage Finish, use 'EHV'. (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 4: Assemble Catalog Number.

Assy Catalog Number	+	Terminal Connector	+	EHV Finish

Example:
For an adjustable clevis dead end with no terminal and EHV finish for 927.2 Greeley, the complete catalog number is:

ACS120NTEHV

Notes:
1. Assembly Catalog Number includes dead end, terminal connector and aluminum hardware.
2. Clevis Dimensions are on page 258.
3. Pad Dimensions are on page 257.
4. Installation Instructions for Dead Ends are on page 266.
5. Installation Instructions for Terminals are on page 272.
6. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

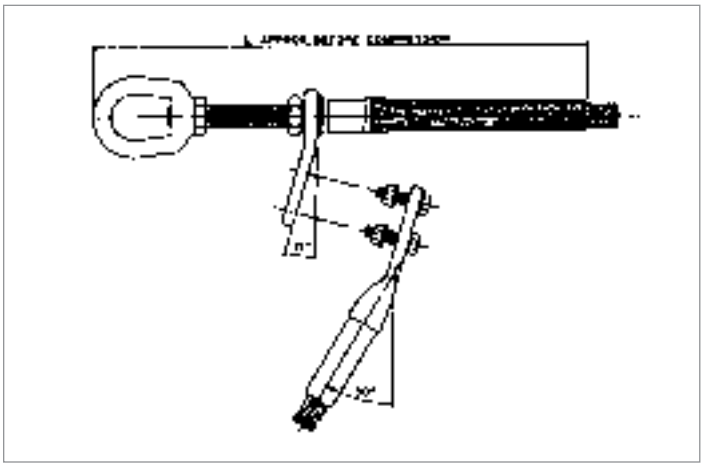
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Quick Compress Dead Ends for AAAC and ACAR Conductor, Adjustable Clevis Type, Single Tongue, ACS Series (cont.)

ASSEMBLY CATALOG NUMBER	CONDUCTOR			DIE SIZE	TOTAL WEIGHT		DIMENSION L		PAD SIZE
	CODE WORD	SIZE	DIAMETER						
		KCMIL	IN		LBS	KG	IN	MM	
ACS070	—	281.4	0.609	07CD	4.3	1.95	19.3	489	B
ACS070	Butte	312.8	0.642	07CD	4.3	1.95	19.3	489	B
ACS080	—	355.1	0.684	08CD	5.0	2.31	20.2	513	B
ACS080	Canton	394.5	0.721	08CD	5.0	2.31	20.2	513	B
ACS080	—	419.6	0.743	08CD	5.0	2.31	20.2	513	B
ACS090	Cairo	465.4	0.783	09CD	6.2	2.81	21.7	551	B
ACS090	—	503.6	0.814	09CD	6.2	2.81	21.7	551	B
ACS100	Darien	559.5	0.858	10CD	6.7	3.04	22.5	572	B
ACS100	—	587.2	0.879	10CD	6.7	3.04	22.5	572	B
ACS100	—	634.9	0.914	10CD	6.7	3.04	22.5	572	B
ACS100	—	649.5	0.928	10CD	6.7	3.04	22.5	572	B
ACS100	Elgin	652.4	0.927	10CD	6.7	3.04	22.5	572	B
ACS100	—	657.3	0.930	10CD	6.7	3.04	22.5	572	B
ACS110	Flint	740.8	0.991	11CD	11.1	5.03	25.9	659	D
ACS120	—	853.7	1.063	12CD	11.9	5.40	26.8	679	D
ACS120	Greeley	927.2	1.108	12CD	11.9	5.40	26.8	679	D
ACS130	—	1024.5	1.165	13CD	15.0	6.80	28.7	729	D
ACS130	—	1080.6	1.196	13CD	15.0	6.80	28.7	729	D
ACS130	—	1108.6	1.212	13CD	15.0	6.80	28.7	729	D
ACS140	—	1172.3	1.246	14CD	16.1	7.30	29.5	749	D
ACS160	—	1534.0	1.427	16CD	23.5	10.66	34.4	873	D
ACS160	—	1700.0	1.502	16CD	23.5	10.66	34.4	873	D
ACS190	—	2303.5	1.750	19CD	36.6	16.60	38.2	970	E
ACS190	—	2338.0	1.762	19CD	36.6	16.60	38.2	970	E
ACS200	—	2493.0	1.821	20CD	37.9	17.19	39.0	991	E

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Quick Compress Dead Ends for AAAC and ACAR Conductor, Adjustable Eye Type, Single Tongue, AES Series



The Quick Compress Dead Ends are designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites while maintaining a minimum 95% of the ASTM rated strength. The adjustable steel eye is pre-compressed and the dead end pre-filled, eliminating installation steps.

The dead end tongue and terminal pad are each constructed with a 15° angle, which permits the terminal connector to be bolted in either the straight or the 30° position. Both sides of the pad are finished, creating excellent electrical contact surfaces. For pad to pad connections, AFL recommends the use of No. 2 EJC.

The end tapers of the compression portions of all compression accessories are supplied with a High Voltage finish for die size sections 12CD and above. Corona bolts are furnished standard on 15° terminals for these section sizes.

The square edges of bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector

For an assembly without a terminal connector, use 'NT'.
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish

For Extra High Voltage Finish, use 'EHV'. (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 4: Assemble Catalog Number.

Assy Catalog Number	+	Terminal Connector	+	EHV Finish

Example:

For an adjustable eye dead end with no terminal and EHV finish for 927.7 Greeley, the complete catalog number is:

AES120NTEHV

Notes:

1. Assembly Catalog Number includes dead end, terminal connector and aluminum hardware.
2. Eye Dimensions are on page 258.
3. Pad Dimensions are on page 257.
4. Installation Instructions for Dead Ends are on page 266.
5. Installation Instructions for Terminals are on page 272.
6. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

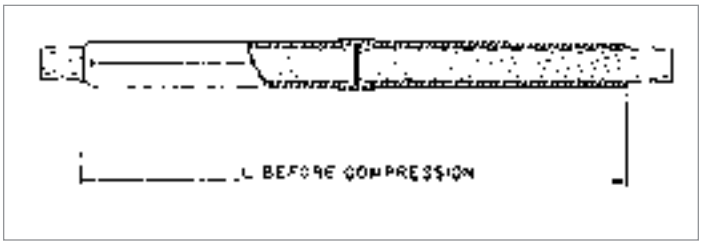
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Quick Compress Dead Ends for AAAC and ACAR Conductor, Adjustable Eye Type, Single Tongue, AES Series (cont.)

ASSEMBLY CATALOG NUMBER	CONDUCTOR			DIE SIZE	TOTAL WEIGHT		DIMENSION L		PAD SIZE
	CODE WORD	SIZE	DIAMETER						
		KCMIL	IN		LBS	KG	IN	MM	
AES070	—	281.4	0.609	07CD	2.6	1.18	16.4	418	B
AES070	Butte	312.8	0.642	07CD	2.6	1.18	16.4	418	B
AES080	—	355.1	0.684	08CD	3.8	1.72	17.8	453	B
AES080	Canton	394.5	0.721	08CD	3.8	1.72	17.8	453	B
AES080	—	419.6	0.743	08CD	3.8	1.72	17.8	453	B
AES090	Cairo	465.4	0.783	09CD	5.6	2.54	19.7	501	B
AES090	—	503.6	0.814	09CD	5.6	2.54	19.7	501	B
AES100	Darien	559.5	0.858	10CD	6.1	2.77	20.5	521	B
AES100	—	587.2	0.879	10CD	6.1	2.77	20.5	521	B
AES100	—	634.9	0.914	10CD	6.1	2.77	20.5	521	B
AES100	—	649.5	0.928	10CD	6.1	2.77	20.5	521	B
AES100	Elgin	652.4	0.927	10CD	6.1	2.77	20.5	521	B
AES100	—	657.3	0.930	10CD	6.1	2.77	20.5	521	B
AES110	Flint	740.8	0.991	11CD	9.1	4.13	23.3	591	D
AES120	—	853.7	1.063	12CD	9.9	4.49	24.1	611	D
AES120	Greeley	927.2	1.108	12CD	9.9	4.49	24.1	611	D
AES130	—	1024.5	1.165	13CD	13.9	6.3	26.5	673	D
AES130	—	1080.6	1.196	13CD	13.9	6.3	26.5	673	D
AES130	—	1108.6	1.212	13CD	13.9	6.3	26.5	673	D
AES140	—	1172.3	1.246	14CD	15.0	6.8	27.3	694	D
AES160	—	1534.0	1.427	16CD	23.2	10.52	31.7	806	D
AES160	—	1700.0	1.502	16CD	23.2	10.52	31.7	806	D
AES190	—	2303.5	1.750	19CD	33.4	15.15	35.2	895	E
AES190	—	2338.0	1.762	19CD	33.4	15.15	35.2	895	E
AES200	—	2493.0	1.821	20CD	35.0	15.88	36.0	915	E

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Quick Compress Compression Joints for AAAC Conductor, CJ Series



The Quick Compress CJ Series Joints are designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites while maintaining a minimum 95% of the ASTM rated strength. The compression joint is pre-filled, eliminating an installation step. Each compression joint has a center stop to ensure proper insertion of the conductor.

The end tapers of all compression accessories are supplied with a high voltage finish for die size sections 12CD and above.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

A compression joint for 312.8 Butte conductor, the complete catalog number is:

CJ07

Notes:

1. Installation Instructions for Compression Joints are on page 268.
2. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION L	
	CODE NAME	SIZE	DIAMETER						
		KCMIL	IN	MM		LBS	KG	IN	MM
CJ07	—	281.4	0.609	15.47	07CD	0.58	0.26	11.2	284
CJ07	Butte	312.8	0.642	16.31	07CD	0.58	0.26	11.2	284
CJ08	—	355.1	0.684	17.37	08CD	0.86	0.39	12.8	325
CJ08	Canton	394.6	0.721	18.33	08CD	0.86	0.39	12.8	325
CJ08	—	419.6	0.743	18.87	08CD	0.86	0.39	12.8	325
CJ09	Cairo	465.4	0.783	19.89	09CD	1.20	0.54	14.4	368
CJ09	—	503.6	0.814	20.67	09CD	1.20	0.54	14.4	368
CJ10	Darien	559.5	0.858	21.79	10CD	1.70	0.77	16.0	406
CJ10	—	587.2	0.879	22.33	10CD	1.70	0.77	16.0	406
CJ10	—	634.9	0.914	23.22	10CD	1.70	0.77	16.0	406
CJ10	—	649.5	0.928	23.57	10CD	1.70	0.77	16.0	406
CJ10	Elgin	652.4	0.927	23.55	10CD	1.70	0.77	16.0	406
CJ10	—	657.3	0.930	23.62	10CD	1.70	0.77	16.0	406
CJ11	Flint	740.8	0.991	25.17	11CD	2.30	1.04	17.6	447
CJ12	—	853.7	1.063	27.00	12CD	3.00	1.36	19.2	488
CJ12	Greeley	927.2	1.108	28.14	12CD	3.00	1.36	19.2	488
CJ13	—	1024.5	1.165	29.59	13CD	3.80	1.72	20.8	528
CJ13	—	1080.6	1.196	30.38	13CD	3.80	1.72	20.8	528

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Quick Compress Compression Joints for AAAC Conductor, CJ Series (cont.)

CATALOG NUMBER	CONDUCTOR				DIE SIZE	TOTAL WEIGHT		DIMENSION L	
	CODE NAME	SIZE	DIAMETER						
		KCMIL	IN	MM		LBS	KG	IN	MM
CJ13	—	1108.6	1.212	30.81	13CD	3.80	1.72	20.8	528
CJ14	—	1172.3	1.246	31.65	14CD	4.60	2.09	22.4	569
CJ16	—	1534.0	1.427	36.25	16CD	6.90	3.13	25.6	650
CJ16	—	1700.0	1.502	38.15	16CD	6.90	3.13	25.6	650
CJ19	—	2303.5	1.750	44.45	19CD	11.60	5.26	30.4	772
CJ19	—	2338.0	1.762	44.75	19CD	11.60	5.26	30.4	772
CJ20	—	2493.0	1.821	46.25	20CD	13.10	5.94	32.0	813

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Quick Compress Replacement Compression Joints for AAAC and ACAR Conductor, CJR Series



The Quick Compress Replacement Joints are used to replace damaged conductor in midspan. They are designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bits, while maintaining a minimum 95% of the ASTM rated strength. The replacement joint is pre-filled, eliminating an installation step.

The end tapers of all compression accessories are supplied with a high voltage finish for die size sections 12CD and above.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Step 2: Determine Length of Conductor Removed (XX)

Determine the length of conductor (XX) that will be cut out, to the nearest inch (Maximum 48").

Step 3: Assemble Catalog Number

Catalog Number + **Removed Conductor Length (XX)**

Example:

A replacement compression joint for 312.8 Butte conductor with a removed conductor length of 24 inches, the complete catalog number is:

CJ070R24

Notes:

1. Installation Instructions for Compression Joints are on page 268.
2. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

CATALOG NUMBER	CONDUCTOR			DIE SIZE	DIMENSION L	
	CODE WORD	SIZE	DIAMETER			
		KCMIL	IN		IN	MM
CJ070RXX	—	281.4	0.609	07CD	7.6	192
CJ070RXX	Butte	312.8	0.642	07CD	7.6	192
CJ080RXX	—	355.1	0.684	08CD	8.4	212
CJ080RXX	Canton	394.5	0.721	08CD	8.4	212
CJ080RXX	—	419.6	0.743	08CD	8.4	212
CJ090RXX	Cairo	465.4	0.783	09CD	9.2	233
CJ090RXX	—	503.6	0.814	09CD	9.2	233
CJ100RXX	Darien	559.5	0.858	10CD	10.0	253
CJ100RXX	—	587.2	0.879	10CD	10.0	253
CJ100RXX	—	634.9	0.914	10CD	10.0	253
CJ100RXX	—	649.5	0.928	10CD	10.0	253
CJ100RXX	Elgin	652.4	0.927	10CD	10.0	253
CJ100RXX	—	657.3	0.930	10CD	10.0	253
CJ110RXX	Flint	740.8	0.991	11CD	10.8	273
CJ120RXX	—	853.7	1.063	12CD	11.6	294
CJ120RXX	Greeley	927.2	1.108	12CD	11.6	294
CJ130RXX	—	1024.5	1.165	13CD	12.4	314
CJ130RXX	—	1080.6	1.196	13CD	12.4	314

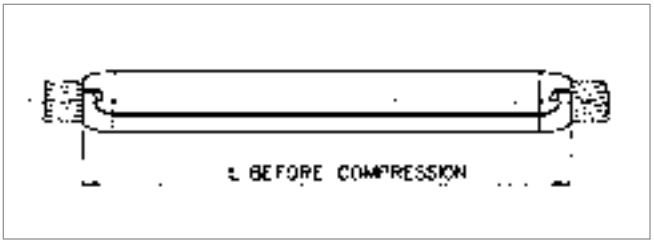
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Quick Compress Replacement Compression Joints for AAAC and ACAR Conductor, CJR Series (cont.)

CATALOG NUMBER	CONDUCTOR			DIE SIZE	DIMENSION L	
	CODE WORD	SIZE	DIAMETER			
		KCMIL	IN		IN	MM
CJ130RXX	—	1108.6	1.212	13CD	12.4	314
CJ140RXX	—	1172.3	1.246	14CD	13.2	334
CJ160RXX	—	1534.0	1.427	16CD	14.8	375
CJ160RXX	—	1700.0	1.502	16CD	14.8	375
CJ190RXX	—	2303.5	1.750	19CD	17.2	436
CJ190RXX	—	2338.0	1.762	19CD	17.2	436
CJ200RXX	—	2493.0	1.821	20CD	18.0	456

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Quick Compress Repair Sleeve for AAAC and ACAR Conductor, RS Series



The Quick Compress Repair Sleeve is designed for ACSR, AAC, AAAC and ACAR conductors. The repair sleeve incorporates an improved design of interlocking extrusions, providing a permanent grip on the conductor when compressed.

The repair sleeve will restore the conductor to 95% of its ASTM rated strength where up to one-third of the aluminum strands are damaged.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

A repair sleeve for 927.7 Greeley conductor, the complete catalog number is:

RS11

Notes:

1. Installation Instructions for Compression Joints are on page 270.
2. For more information on die selection and ordering instructions, see the AFL Tool Catalog.

CATALOG NUMBER	CONDUCTOR			DIE SIZE	TOTAL WEIGHT		DIMENSION L	
	CODE WORD	SIZE	DIAMETER					
		KCMIL	IN		LBS	KG	IN	MM
RS07	—	281.4	0.609	07CD	0.4	0.17	8.4	213
RS07	Butte	312.8	0.642	07CD	0.4	0.17	8.4	213
RS08	—	355.1	0.684	08CD	0.6	0.26	9.6	244
RS08	Canton	394.5	0.721	08CD	0.6	0.26	9.6	244
RS08	—	419.6	0.743	08CD	0.6	0.26	9.6	244
RS09	Cairo	465.4	0.783	09CD	0.8	0.38	10.8	274
RS09	—	503.6	0.814	09CD	0.8	0.38	10.8	274
RS10	Darien	559.5	0.858	10CD	1.1	0.50	12.0	305
RS10	—	587.2	0.879	10CD	1.1	0.50	12.0	305
RS10	—	634.9	0.914	10CD	1.1	0.50	12.0	305
RS10	—	649.5	0.928	10CD	1.1	0.50	12.0	305
RS10	Elgin	652.4	0.927	10CD	1.1	0.50	12.0	305
RS10	—	657.3	0.930	10CD	1.1	0.50	12.0	305
RS11	Flint	740.8	0.991	11CD	1.5	0.68	13.2	335
RS12	—	853.7	1.063	12CD	1.9	0.86	14.4	366
RS12	Greeley	927.2	1.108	12CD	1.9	0.86	14.4	366
RS13	—	1024.5	1.165	13CD	2.4	1.09	15.6	396

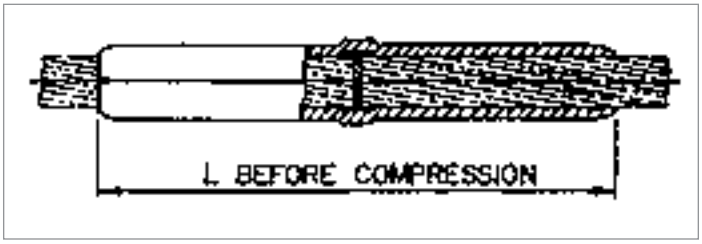
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Quick Compress Repair Sleeve for AAAC and ACAR Conductor, RS Series (cont.)

CATALOG NUMBER	CONDUCTOR			DIE SIZE	TOTAL WEIGHT		DIMENSION L	
	CODE WORD	SIZE	DIAMETER					
		KCMIL	IN		LBS	KG	IN	MM
RS13	—	1080.6	1.196	13CD	2.4	1.09	15.6	396
RS13	—	1108.6	1.212	13CD	2.4	1.09	15.6	396
RS14	—	1172.3	1.246	14CD	3.1	1.41	16.8	427
RS16	—	1534.0	1.427	16CD	4.6	2.09	19.2	488
RS16	—	1700.0	1.502	16CD	4.6	2.09	19.2	488
RS19	—	2303.5	1.750	19CD	7.8	3.54	22.8	579
RS19	—	2338.0	1.762	19CD	7.8	3.54	22.8	579
RS20	—	2493.0	1.821	20CD	9.1	4.13	24.0	610

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Quick Compress Jumper Connector for AAAC and ACAR Conductor, JC Series



The Quick Compress Jumper Connector is designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites. The jumper connector is pre-filled, eliminating an installation step. Each jumper connector has a center stop, making it easy to center the jumper on the conductor.

All Quick Compress Jumper Connectors are designed for limited tension use, maintaining a minimum of 40% of the ASTM rated strength of the conductor.

The end tapers of all compression accessories are supplied with a High Voltage finish for die size sections 12CD and above.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

A jumper connector for 927.2 Greeley conductor, the complete catalog number is:

JC12

Notes:

1. Installation Instructions for Compression Joints are on page 271.
2. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

CATALOG NUMBER	CONDUCTOR			DIE SIZE	TOTAL WEIGHT		DIMENSION L	
	CODE WORD	SIZE	DIAMETER					
		KCMIL	IN		LBS	KG	IN	MM
JC07	—	281.4	0.609	07CD	0.3	0.11	5.6	142
JC07	Butte	312.8	0.642	07CD	0.3	0.11	5.6	142
JC08	—	355.1	0.684	08CD	0.4	0.19	6.4	163
JC08	Canton	394.5	0.721	08CD	0.4	0.19	6.4	163
JC08	—	419.6	0.743	08CD	0.4	0.19	6.4	163
JC09	Cairo	465.4	0.783	09CD	0.6	0.27	7.2	183
JC09	—	503.6	0.814	09CD	0.6	0.27	7.2	183
JC10	Darien	559.5	0.858	10CD	0.8	0.37	8.0	203
JC10	—	587.2	0.879	10CD	0.8	0.37	8.0	203
JC10	—	634.9	0.914	10CD	0.8	0.37	8.0	203
JC10	—	649.5	0.928	10CD	0.8	0.37	8.0	203
JC10	Elgin	652.4	0.927	10CD	0.8	0.37	8.0	203
JC10	—	657.3	0.930	10CD	0.8	0.37	8.0	203
JC11	Flint	740.8	0.991	11CD	1.1	0.50	8.8	224
JC12	—	853.7	1.063	12CD	1.4	0.64	9.6	244
JC12	Greeley	927.2	1.108	12CD	1.4	0.64	9.6	244

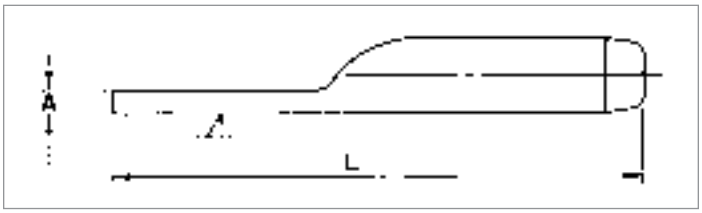
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Quick Compress Jumper Connector for AAAC and ACAR Conductor, JC Series (cont.)

CATALOG NUMBER	CONDUCTOR			DIE SIZE	TOTAL WEIGHT		DIMENSION L	
	CODE WORD	SIZE	DIAMETER					
		KCMIL	IN		LBS	KG	IN	MM
JC13	—	1024.5	1.165	13CD	1.7	0.77	10.4	264
JC13	—	1080.6	1.196	13CD	1.7	0.77	10.4	264
JC13	—	1108.6	1.212	13CD	1.7	0.77	10.4	264
JC14	—	1172.3	1.246	14CD	2.2	1.00	11.2	284
JC16	—	1534.0	1.427	16CD	3.3	1.50	12.8	325
JC16	—	1700.0	1.502	16CD	3.3	1.50	12.8	325
JC19	—	2303.5	1.750	19CD	5.4	2.45	15.2	386
JC19	—	2338.0	1.762	19CD	5.4	2.45	15.2	386
JC20	—	2493.0	1.821	20CD	6.4	2.90	16.0	406

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Quick Compress Terminal for AAAC and ACAR Conductor, Straight, TS Series



The TS Series Straight Terminal Connector is designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites. The terminal connector is pre-filled, eliminating an installation step.

All TS Series connectors are designed for limited tension use, maintaining a minimum of 40% of the ASTM rated strength of the conductor.

The end tapers of all compression accessories are supplied with a High Voltage finish for die size sections 12CD and above.

The square edges of bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Catalog Number

Determine the catalog number based on the conductor being used.

Step 2: Extra High Voltage Finish

For Extra High Voltage Finish, use 'EHV'. (≥ 345 kV)

For Standard Finish, leave blank. (< 345 kV)

Step 3: Assemble Catalog Number.

Catalog Number	+	EHV Finish

Example:

A straight terminal for 927.7 Greeley with an EHV finish, the complete catalog number is:

TS12EHV

Notes:

1. Pad Dimensions are on page 257.
2. Installation Instructions for Terminals are on page 272.
3. Bolts, nuts and washers are not supplied with TS Series Terminal Connectors.
4. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

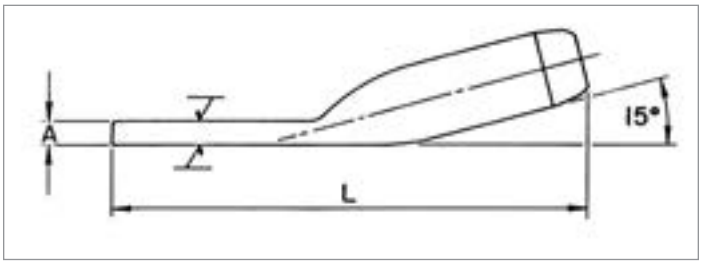
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Quick Compress Terminal for AAAC and ACAR Conductor, Straight, TS Series (cont.)

CATALOG NUMBER	CONDUCTOR			DIE SIZE	TOTAL WEIGHT		DIMENSION				PAD SIZE
	CODE WORD	SIZE	DIAMETER				A		L		
		KCMIL	IN		LBS	KG	IN	MM	IN	MM	
TS07	—	281.4	0.609	07CD	0.5	0.20	0.3	8	9.0	229	B
TS07	Butte	312.8	0.642	07CD	0.5	0.20	0.3	8	9.0	229	B
TS08	—	355.1	0.684	08CD	0.6	0.28	0.4	10	9.6	244	B
TS08	Canton	394.5	0.721	08CD	0.6	0.28	0.4	10	9.6	244	B
TS08	—	419.6	0.743	08CD	0.6	0.28	0.4	10	9.6	244	B
TS09	Cairo	465.4	0.783	09CD	0.8	0.38	0.4	11	10.0	254	B
TS09	—	503.6	0.814	09CD	0.8	0.38	0.4	11	10.0	254	B
TS10	Darien	559.5	0.858	10CD	1.1	0.50	0.5	12	10.6	269	B
TS10	—	587.2	0.879	10CD	1.1	0.50	0.5	12	10.6	269	B
TS10	—	634.9	0.914	10CD	1.1	0.50	0.5	12	10.6	269	B
TS10	—	649.5	0.928	10CD	1.1	0.50	0.5	12	10.6	269	B
TS10	Elgin	652.4	0.927	10CD	1.1	0.50	0.5	12	10.6	269	B
TS10	—	657.3	0.930	10CD	1.1	0.50	0.5	12	10.6	269	B
TS11	Flint	740.8	0.991	11CD	1.5	0.68	0.4	9	11.7	297	D
TS12	—	853.7	1.063	12CD	1.8	0.82	0.4	11	12.1	307	D
TS12	Greeley	927.2	1.108	12CD	1.8	0.82	0.4	11	12.1	307	D
TS13	—	1024.5	1.165	13CD	2.1	0.95	0.5	13	12.8	325	D
TS13	—	1080.6	1.196	13CD	2.1	0.95	0.5	13	12.8	325	D
TS13	—	1108.6	1.212	13CD	2.1	0.95	0.5	13	12.8	325	D
TS14	—	1172.3	1.246	14CD	2.7	1.22	0.6	16	13.8	351	D
TS16	—	1534.0	1.427	16CD	3.8	1.72	0.7	17	14.6	371	D
TS16	—	1700.0	1.502	16CD	3.8	1.72	0.7	17	14.6	371	D
TS19	—	2303.5	1.750	19CD	6.5	2.95	0.9	22	17.5	445	E
TS19	—	2338.0	1.762	19CD	6.5	2.95	0.9	22	17.5	445	E
TS20	—	2493.0	1.821	20CD	7.3	3.31	0.9	22	17.9	455	E

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Quick Compress Terminal for AAAC and ACAR Conductor, 15º, TF Series



The TF Series 15º Terminal Connector is designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites. The terminal connector is pre-filled, eliminating an installation step.

When used with the Quick Compress dead end, the TF Series connectors can be bolted in either straight or 30º position. All TF Series connectors are designed for limited tension use, maintaining a minimum of 40% of the ASTM rated strength of the conductor.

The end tapers of all compression accessories are supplied with a High Voltage finish for die size sections 12CD and above.

The square edges of bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Catalog Number

Determine the catalog number based on the conductor being used.

Step 2: Extra High Voltage Finish

For Extra High Voltage Finish, use 'EHV'. (≥ 345 kV)

For Standard Finish, leave blank. (< 345 kV)

Step 3: Assemble Catalog Number.

Catalog Number	+	EHV Finish

Example:

A 15º terminal for 927.7 Greeley with an EHV finish, the complete catalog number is:

TF12EHV

Notes:

1. Pad Dimensions are on page 257.
2. Installation Instructions for Terminals are on page 272.
3. Bolts, nuts and washers are supplied with TF Series Terminal Connectors.
4. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

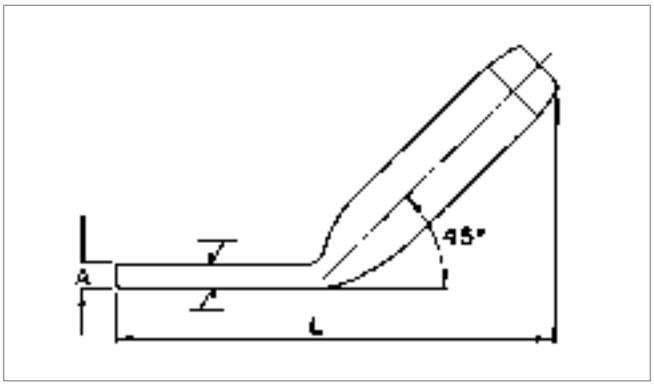
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Quick Compress Terminal for AAAC and ACAR Conductor, 15º, TF Series (cont.)

CATALOG NUMBER	CONDUCTOR			DIE SIZE	TOTAL WEIGHT		DIMENSIONS				PAD SIZE
	CODE WORD	SIZE	DIAMETER				A		L		
		KCMIL	IN		LBS	KG	IN	MM	IN	MM	
TF07	—	281.4	0.609	07CD	0.5	0.24	0.3	8	7.8	196	B
TF07	Butte	312.8	0.642	07CD	0.5	0.24	0.3	8	7.8	196	B
TF08	—	355.1	0.684	08CD	0.7	0.31	0.4	10	8.3	211	B
TF08	Canton	394.5	0.721	08CD	0.7	0.31	0.4	10	8.3	211	B
TF08	—	419.6	0.743	08CD	0.7	0.31	0.4	10	8.3	211	B
TF09	Cairo	465.4	0.783	09CD	0.9	0.40	0.4	11	8.9	226	B
TF09	—	503.6	0.814	09CD	0.9	0.40	0.4	11	8.9	226	B
TF10	Darien	559.5	0.858	10CD	1.1	0.50	0.5	12	9.4	239	B
TF10	—	587.2	0.879	10CD	1.1	0.50	0.5	12	9.4	239	B
TF10	—	634.9	0.914	10CD	1.1	0.50	0.5	12	9.4	239	B
TF10	—	649.5	0.928	10CD	1.1	0.50	0.5	12	9.4	239	B
TF10	Elgin	652.4	0.927	10CD	1.1	0.50	0.5	12	9.4	239	B
TF10	—	657.3	0.930	10CD	1.1	0.50	0.5	12	9.4	239	B
TF11	Flint	740.8	0.991	11CD	1.5	0.68	0.4	9	10.4	264	D
TF12	—	853.7	1.063	12CD	1.9	0.86	0.4	11	11.0	279	D
TF12	Greeley	927.2	1.108	12CD	1.9	0.86	0.4	11	11.0	279	D
TF13	—	1024.5	1.165	13CD	2.2	1.00	0.5	13	11.2	284	D
TF13	—	1080.6	1.196	13CD	2.2	1.00	0.5	13	11.2	284	D
TF13	—	1108.6	1.212	13CD	2.2	1.00	0.5	13	11.2	284	D
TF14	—	1172.3	1.246	14CD	2.8	1.27	0.6	16	12.0	305	D
TF16	—	1534.0	1.427	16CD	3.7	1.69	0.7	17	13.3	338	D
TF16	—	1700.0	1.502	16CD	3.7	1.69	0.7	17	13.3	338	D
TF19	—	2303.5	1.750	19CD	6.3	2.86	0.9	22	15.7	399	E
TF19	—	2338.0	1.762	19CD	6.3	2.86	0.9	22	15.7	399	E
TF20	—	2493.0	1.821	20CD	6.8	3.08	0.9	22	16.0	406	E

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Quick Compress Terminal for AAAC and ACAR Conductor, 45º, T45 Series



The T45 Series 45º Terminal Connector is designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites. The terminal connector is pre-filled, eliminating an installation step.

All T45 Series connectors are designed for limited tension use, maintaining a minimum of 40% of the ASTM rated strength of the conductor.

The end tapers of all compression accessories are supplied with a High Voltage finish for die size sections 12CD and above.

The square edges of bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Catalog Number

Determine the catalog number based on the conductor being used.

Step 2: Extra High Voltage Finish

For Extra High Voltage Finish, use 'EHV'. (≥ 345 kV)

For Standard Finish, leave blank. (< 345 kV)

Step 3: Assemble Catalog Number.

Catalog Number	+	EHV Finish

Example:

A 45º terminal for 927.7 Greeley with an EHV finish, the complete catalog number is:

T4512EHV

Notes:

1. Pad Dimensions are on page 257.
2. Installation Instructions for Terminals are on page 272.
3. Bolts, nuts and washers are not supplied with T45 Series Terminal Connectors.
4. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

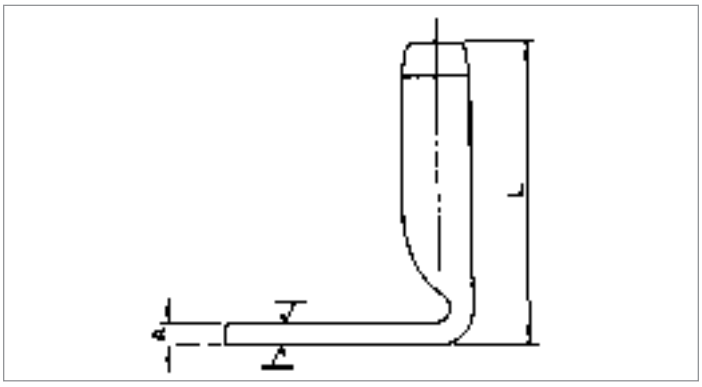
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Quick Compress Terminal for AAAC and ACAR Conductor, 45º, T45 Series (cont.)

CATALOG NUMBER	CONDUCTOR			DIE SIZE	TOTAL WEIGHT		DIMENSIONS				PAD SIZE
	CODE WORD	SIZE	DIAMETER				A		L		
		KCMIL	IN		LBS	KG	IN	MM	IN	MM	
T4507	—	281.4	0.609	07CD	0.4	0.19	0.3	8	7.3	185	B
T4507	Butte	312.8	0.642	07CD	0.4	0.19	0.3	8	7.3	185	B
T4508	—	355.1	0.684	08CD	0.6	0.25	0.4	10	7.8	198	B
T4508	Canton	394.5	0.721	08CD	0.6	0.25	0.4	10	7.8	198	B
T4508	—	419.6	0.743	08CD	0.6	0.25	0.4	10	7.8	198	B
T4509	Cairo	465.4	0.783	09CD	0.8	0.34	0.4	11	8.2	208	B
T4509	—	503.6	0.814	09CD	0.8	0.34	0.4	11	8.2	208	B
T4510	Darien	559.5	0.858	10CD	1.0	0.45	0.5	12	8.6	218	B
T4510	—	587.2	0.879	10CD	1.0	0.45	0.5	12	8.6	218	B
T4510	—	634.9	0.914	10CD	1.0	0.45	0.5	12	8.6	218	B
T4510	—	649.5	0.928	10CD	1.0	0.45	0.5	12	8.6	218	B
T4510	Elgin	652.4	0.927	10CD	1.0	0.45	0.5	12	8.6	218	B
T4510	—	657.3	0.930	10CD	1.0	0.45	0.5	12	8.6	218	B
T4511	Flint	740.8	0.991	11CD	1.3	0.59	0.4	9	9.4	239	D
T4512	—	853.7	1.063	12CD	1.6	0.73	0.4	11	9.7	246	D
T4512	Greeley	927.2	1.108	12CD	1.6	0.73	0.4	11	9.7	246	D
T4513	—	1024.5	1.165	13CD	2.0	0.91	0.5	13	10.2	259	D
T4513	—	1080.6	1.196	13CD	2.0	0.91	0.5	13	10.2	259	D
T4513	—	1108.6	1.212	13CD	2.0	0.91	0.5	13	10.2	259	D
T4514	—	1172.3	1.246	14CD	2.3	1.04	0.6	16	10.6	269	D
T4516	—	1534.0	1.427	16CD	3.4	1.54	0.7	17	11.0	279	D
T4516	—	1700.0	1.502	16CD	3.4	1.54	0.7	17	11.0	279	D
T4519	—	2303.5	1.750	19CD	5.7	2.59	0.9	22	13.7	348	E
T4519	—	2338.0	1.762	19CD	5.7	2.59	0.9	22	13.7	348	E
T4520	—	2493.0	1.821	20CD	6.5	2.95	0.9	22	14.2	361	E

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Quick Compress Terminal for AAAC and ACAR Conductor, 90º, TN Series



The TN Series 90º Terminal Connector is designed for fast and easy installation. By using a high strength alloy, the compression length has been shortened for less compression bites. The terminal connector is pre-filled, eliminating an installation step.

All TN Series connectors are designed for limited tension use, maintaining a minimum of 40% of the ASTM rated strength of the conductor.

The end tapers of all compression accessories are supplied with a High Voltage finish for die size sections 12CD and above.

The square edges of bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Catalog Number

Determine the catalog number based on the conductor being used.

Step 2: Extra High Voltage Finish

For Extra High Voltage Finish, use 'EHV'. (≥ 345 kV)

For Standard Finish, leave blank. (< 345 kV)

Step 3: Assemble Catalog Number.

Catalog Number	+	EHV Finish

Example:

A 90º terminal for 927.7 Greeley with an EHV finish, the complete catalog number is:

TN12EHV

Notes:

1. Pad Dimensions are on page 257.
2. Installation Instructions for Terminals are on page 272.
3. Bolts, nuts and washers are not supplied with TN Series Terminal Connectors.
4. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

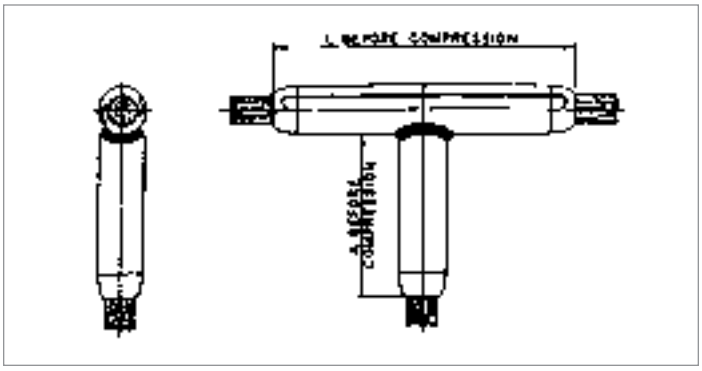
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Quick Compress Terminal for AAAC and ACAR Conductor, 90º, TN Series (cont.)

CATALOG NUMBER	CONDUCTOR			DIE SIZE	TOTAL WEIGHT		DIMENSIONS				PAD SIZE
	CODE WORD	SIZE	DIAMETER				A		L		
		KCMIL	IN		LBS	KG	IN	MM	IN	MM	
TN07	—	281.4	0.609	07CD	0.5	0.20	0.3	8	5.2	132	B
TN07	Butte	312.8	0.642	07CD	0.5	0.20	0.3	8	5.2	132	B
TN08	—	355.1	0.684	08CD	0.6	0.29	0.4	10	5.7	145	B
TN08	Canton	394.5	0.721	08CD	0.6	0.29	0.4	10	5.7	145	B
TN08	—	419.6	0.743	08CD	0.6	0.29	0.4	10	5.7	145	B
TN09	Cairo	465.4	0.783	09CD	0.8	0.38	0.4	11	6.2	157	B
TN09	—	503.6	0.814	09CD	0.8	0.38	0.4	11	6.2	157	B
TN10	Darien	559.5	0.858	10CD	1.1	0.50	0.5	12	6.7	170	B
TN10	—	587.2	0.879	10CD	1.1	0.50	0.5	12	6.7	170	B
TN10	—	634.9	0.914	10CD	1.1	0.50	0.5	12	6.7	170	B
TN10	—	649.5	0.928	10CD	1.1	0.50	0.5	12	6.7	170	B
TN10	Elgin	652.4	0.927	10CD	1.1	0.50	0.5	12	6.7	170	B
TN10	—	657.3	0.930	10CD	1.1	0.50	0.5	12	6.7	170	B
TN11	Flint	740.8	0.991	11CD	1.4	0.64	0.4	9	7.5	191	D
TN12	—	853.7	1.063	12CD	1.8	0.82	0.4	11	7.9	202	D
TN12	Greeley	927.2	1.108	12CD	1.8	0.82	0.4	11	7.9	202	D
TN13	—	1024.5	1.165	13CD	2.2	1.00	0.5	13	8.5	216	D
TN13	—	1080.6	1.196	13CD	2.2	1.00	0.5	13	8.5	216	D
TN13	—	1108.6	1.212	13CD	2.2	1.00	0.5	13	8.5	216	D
TN14	—	1172.3	1.246	14CD	2.6	1.18	0.6	16	9.2	233	D
TN16	—	1534.0	1.427	16CD	3.7	1.68	0.7	17	10.2	259	D
TN16	—	1700.0	1.502	16CD	3.7	1.68	0.7	17	10.2	259	D
TN19	—	2303.5	1.750	19CD	6.1	2.77	0.9	22	11.9	303	E
TN19	—	2338.0	1.762	19CD	6.1	2.77	0.9	22	11.9	303	E
TN20	—	2493.0	1.821	20CD	6.9	3.13	0.9	22	12.6	321	E

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Quick Compress Tee Connector for AAAC and ACAR Conductor, Open Run, TTOC Series



Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

A tee connector for 927.7 Greeley, the complete catalog number is:

TTOC12

The TTOC Series Open Run Tee Connector is a permanent drop specifically desgined for ACSR, AAC, AAAC and ACAR conductors.

The end tapers of all compression accessories are supplied with a high voltage finish for die size sections 12CD and above.

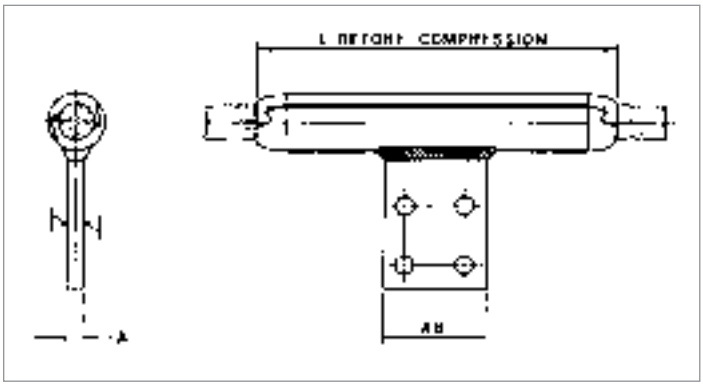
Notes:

1. Tee Connectors are not prefilled with AFC.
2. Installation Instructions for Tee Connectors are on page 274.
3. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

CATALOG NUMBER	CONDUCTOR			DIE SIZE	TOTAL WEIGHT		DIMENSIONS			
	CODE WORD	SIZE	DIAMETER				A		L	
		KCMIL	IN		LBS	KG	IN	MM	IN	MM
TTOC07	—	281.4	0.609	07CD	0.5	0.22	3.9	100	6.4	163
TTOC07	Butte	312.8	0.642	07CD	0.5	0.22	3.9	100	6.4	163
TTOC08	—	355.1	0.684	08CD	0.7	0.32	4.4	111	7.2	183
TTOC08	Canton	394.5	0.721	08CD	0.7	0.32	4.4	111	7.2	183
TTOC08	—	419.6	0.743	08CD	0.7	0.32	4.4	111	7.2	183
TTOC09	Cairo	465.4	0.783	09CD	1.0	0.45	4.8	122	7.9	199
TTOC09	—	503.6	0.814	09CD	1.0	0.45	4.8	122	7.9	199
TTOC10	Darien	559.5	0.858	10CD	1.3	0.59	5.3	133	8.5	216
TTOC10	—	587.2	0.879	10CD	1.3	0.59	5.3	133	8.5	216
TTOC10	—	634.9	0.914	10CD	1.3	0.59	5.3	133	8.5	216
TTOC10	—	649.5	0.928	10CD	1.3	0.59	5.3	133	8.5	216
TTOC10	Elgin	652.4	0.927	10CD	1.3	0.59	5.3	133	8.5	216
TTOC10	—	657.3	0.930	10CD	1.3	0.59	5.3	133	8.5	216
TTOC11	Flint	740.8	0.991	11CD	1.7	0.77	5.7	145	9.2	234
TTOC12	—	853.7	1.063	12CD	2.1	0.95	6.1	155	9.9	250
TTOC12	Greeley	927.2	1.108	12CD	2.1	0.95	6.1	155	9.9	250
TTOC13	—	1024.5	1.165	13CD	2.9	1.32	6.6	167	10.6	269
TTOC13	—	1080.6	1.196	13CD	2.9	1.32	6.6	167	10.6	269
TTOC13	—	1108.6	1.212	13CD	2.9	1.32	6.6	167	10.6	269
TTOC14	—	1172.3	1.246	14CD	3.5	1.59	7.0	178	11.2	285
TTOC16	—	1534.0	1.427	16CD	5.0	2.27	7.8	198	12.5	316
TTOC16	—	1700.0	1.502	16CD	5.0	2.27	7.8	198	12.5	316
TTOC19	—	2303.5	1.750	19CD	8.0	3.63	9.1	230	14.4	364
TTOC19	—	2338.0	1.762	19CD	8.0	3.63	9.1	230	14.4	364
TTOC20	—	2493.0	1.821	20CD	9.2	4.17	9.4	240	14.9	378

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Quick Compress Tee Tap for AAAC and ACAR Conductor, Open Run, TTOP Series



The TTOP Series Open Run Tee Tap is a permanent or temporary drop. By using a high strength alloy, the compression length has been shortened for less compression bites.

The run portion incorporates an improved design of interlocking extrusions, providing a permanent grip on the conductor when compressed.

The end tapers of all compression accessories are supplied with a High Voltage finish for die size sections 12CD and above.

The square edges of bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Step 2: Extra High Voltage Finish

For Extra High Voltage Finish, use 'EHV'. (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 3: Assemble Catalog Number.

Assy Catalog Number	+	EHV Finish

Example:

A tee tap for 927.7 Greeley with EHV finish, the complete catalog number is:

TTOP12EHV

Notes:

1. Installation Instructions for Tee Taps are on page 274.
2. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

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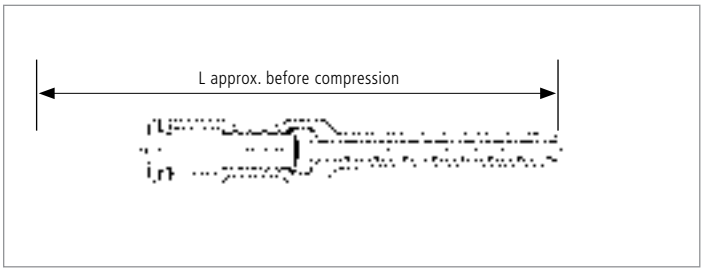
Quick Compress Tee Tap for AAAC and ACAR Conductor, Open Run, TTOP Series (cont.)

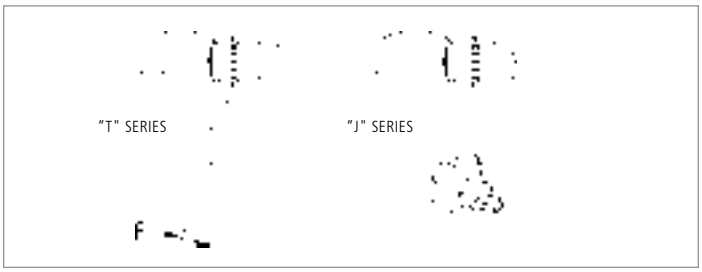
CATALOG NUMBER	CONDUCTOR			DIE SIZE	WEIGHT		DIMENSIONS						PAD SIZE
	CODE WORD	SIZE	DIAMETER		ALUMINUM		A		L		AB		
		KCMIL	IN		LBS	KG	IN	MM	IN	MM	IN	MM	
TTOP07	—	281.4	0.609	07CD	0.6	0.27	0.4	10	7.4	187	2.0	51	B
TTOP07	Butte	312.8	0.642	07CD	0.6	0.27	0.4	10	7.4	187	2.0	51	B
TTOP08	—	355.1	0.684	08CD	0.7	0.34	0.4	10	8.0	202	2.0	51	B
TTOP08	Canton	394.5	0.721	08CD	0.7	0.34	0.4	10	8.0	202	2.0	51	B
TTOP08	—	419.6	0.743	08CD	0.7	0.34	0.4	10	8.0	202	2.0	51	B
TTOP09	Cairo	465.4	0.783	09CD	0.9	0.41	0.4	10	8.5	215	2.0	51	B
TTOP09	—	503.6	0.814	09CD	0.9	0.41	0.4	10	8.5	215	2.0	51	B
TTOP10	Darien	559.5	0.858	10CD	1.0	0.45	0.4	10	9.0	229	2.0	51	B
TTOP10	—	587.2	0.879	10CD	1.0	0.45	0.4	10	9.0	229	2.0	51	B
TTOP10	—	634.9	0.914	10CD	1.0	0.45	0.4	10	9.0	229	2.0	51	B
TTOP10	—	649.5	0.928	10CD	1.0	0.45	0.4	10	9.0	229	2.0	51	B
TTOP10	Elgin	652.4	0.927	10CD	1.0	0.45	0.4	10	9.0	229	2.0	51	B
TTOP10	—	657.3	0.930	10CD	1.0	0.45	0.4	10	9.0	229	2.0	51	B
TTOP11	Flint	740.8	0.991	11CD	1.7	0.77	0.5	13	10.5	267	3.0	76	D
TTOP12	—	853.7	1.063	12CD	2.0	0.91	0.5	13	11.1	281	3.0	76	D
TTOP12	Greeley	927.2	1.108	12CD	2.0	0.91	0.5	13	11.1	281	3.0	76	D
TTOP13	—	1024.5	1.165	13CD	2.4	1.09	0.5	13	11.6	294	3.0	76	D
TTOP13	—	1080.6	1.196	13CD	2.4	1.09	0.5	13	11.6	294	3.0	76	D
TTOP13	—	1108.6	1.212	13CD	2.4	1.09	0.5	13	11.6	294	3.0	76	D
TTOP14	—	1172.3	1.246	14CD	2.8	1.27	0.5	13	12.1	307	3.0	76	D
TTOP16	—	1534.0	1.427	16CD	3.7	1.68	0.5	13	13.2	334	3.0	76	D
TTOP16	—	1700.0	1.502	16CD	3.7	1.68	0.5	13	13.2	334	3.0	76	D
TTOP19	—	2303.5	1.750	19CD	6.5	2.95	0.8	19	15.5	393	4.0	102	E
TTOP19	—	2338.0	1.762	19CD	6.5	2.95	0.8	19	15.5	393	4.0	102	E
TTOP20	—	2493.0	1.821	20CD	7.2	3.27	0.8	19	15.9	403	4.0	102	E

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Quick Compress Dead Ends for Alumoweld® and Steel Ground Wire – GWDE Series





The Quick Compress GWDE Series Dead Ends are designed for fast and easy installation of Alumoweld® and Steel Ground Wire. By using a high strength alloy, the compression length has been shortened for less compression bites while maintaining a minimum of 95% of the ASTM rated strength. The steel eye is precompressed and the dead end is prefilled, eliminating installation steps.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the cable being used.

Step 2: Steel Eye Orientation

For an assembly with a vertical eye, use prefix 'V'.
For an assembly with a horizontal eye, use prefix 'H'.

Step 3: Tongue or Bolted Jumper

For an assembly with a tongue, use suffix 'T'.
For an assembly with a bolted jumper, use suffix 'J'.
For no tongue or bolted jumper, leave blank

Step 4: Assemble Catalog Number.

Eye Orientation	+	Catalog Number	+	Tongue or Bolted Jumper

Example:

For a vertical eye dead end with a bolted jumper for 7 No. 10 Alumoweld, the complete catalog number is:

VGWDE12.330J

Eye Orientation — Attachment Type

Notes:

1. For Alumoweld® wire spercifications, see the AFL Wire Products catalog.
2. Installation instructions for GW series dead ends are on page 267.
3. For more information on die selection and ordering instructions, see Tools and Equipment section in this catalog.

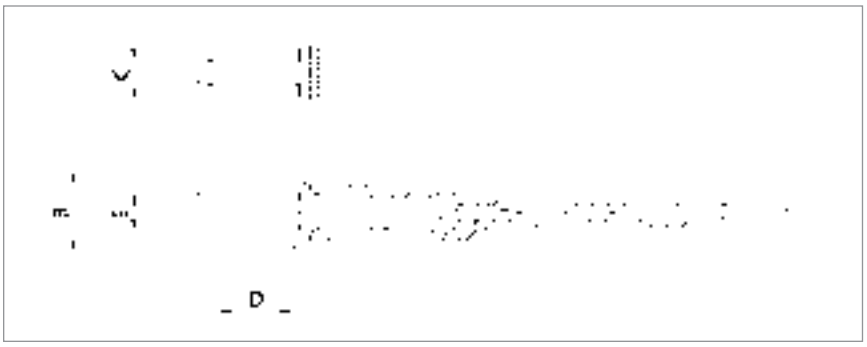
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Quick Compress Dead Ends for Alumoweld® and Steel Ground Wire – GWDE Series (cont.)

ASSEMBLY CATALOG NUMBER	CONDUCTOR		DIMENSIONS				JUMPER DIAMETER RANGE J SERIES		DIE SIZE	GWDE SERIES		GWDE-T SERIES		GWDE-J SERIES	
	SIZE	DIAMETER	L		F					TOTAL WEIGHT		TOTAL WEIGHT		TOTAL WEIGHT	
		IN	IN	MM	IN	MM	IN	MM		LBS	KG	LBS	KG	LBS	KG
ALUMOWELD®															
GWDE10.251	3 No. 10	0.220	10.4	264	0.5	13	0.162-0.327	4.1-8.3	6010GW	0.7	0.34	1.2	0.54	1.1	0.50
GWDE10.281	3 No. 9	0.247	10.4	264	0.5	13	0.162-0.327	4.1-8.3	6010GW	0.7	0.34	1.2	0.54	1.1	0.50
GWDE10.295	3 No. 8	0.277	10.8	274	0.5	13	0.277-0.625	7.0-15.9	6010GW	0.7	0.34	1.2	0.54	2.2	1.00
GWDE10.324	3 No. 7	0.311	11.3	287	0.5	13	0.277-0.625	7.0-15.9	6010GW	0.8	0.34	1.2	0.54	2.2	1.00
GWDE12.351	3 No. 6	0.349	12.4	315	0.5	13	0.277-0.625	7.0-15.9	6012GW	1.4	0.64	1.9	0.86	2.4	1.09
GWDE14.406	3 No. 5	0.392	12.6	321	0.5	13	0.277-0.625	7.0-15.9	6014GW	1.9	0.86	2.4	1.08	2.9	1.31
GWDE12.330	7 No. 10	0.306	11.2	284	0.5	13	0.277-0.625	7.0-15.9	6012GW	1.4	0.64	1.9	0.86	2.4	1.09
GWDE12.359	7 No. 9	0.343	12.4	315	0.5	13	0.277-0.625	7.0-15.9	6012GW	1.4	0.64	1.9	0.86	2.4	1.09
GWDE14.406	7No. 8	0.385	12.6	321	0.5	13	0.277-0.625	7.0-15.9	6014GW	1.9	0.86	2.4	1.08	2.9	1.31
GWDE16.484	7 No. 7	0.433	13.2	335	0.5	13	0.277-0.625	7.0-15.9	6016GW	2.1	0.95	2.6	1.18	3.1	1.41
GWDE16.531	7 No. 6	0.486	15.8	400	0.6	16	0.277-0.625	7.0-15.9	6016GW	3.9	1.77	4.8	2.18	4.8	2.18
GWDE18.594	7 No. 5	0.546	15.7	399	0.6	16	0.464-0.742	11.8-18.9	6018GW	4.0	1.81	4.9	2.22	4.9	2.22
GWDE18.530	19 No. 10	0.509	15.7	399	0.6	16	0.464-0.743	11.8-18.9	6018GW	4.0	1.81	4.9	2.22	4.9	2.22
STEEL GROUND WIRE															
GWDE12.332	5/16" EHS	0.312	12.3	313	0.5	13	0.277-0.625	7.0-15.9	6012GW	1.4	0.64	1.9	0.86	2.4	1.09
GWDE14.386	3/8" EHS	0.360	14.3	362	0.5	13	0.277-0.625	7.0-15.9	6014GW	2.1	0.95	2.6	1.18	3.0	1.35
GWDE16.453	7/16" EHS	0.435	15.0	381	0.5	13	0.277-0.625	7.0-15.9	6016GW	2.2	1.00	2.7	1.22	3.2	1.45
GWDE18.531	1/2" EHS	0.495	18.7	475	0.6	16	0.464-0.743	11.8-18.9	6018GW	4.3	1.95	5.2	2.36	5.2	2.36

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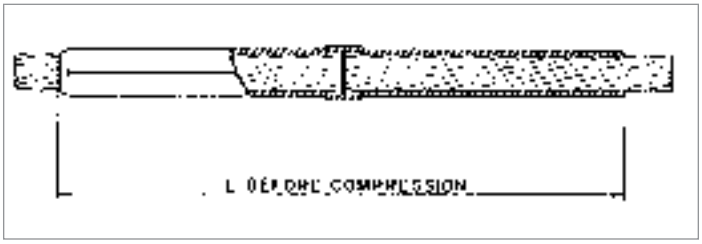
Quick Compress Dead Ends GWDE Series (cont.)
Steel Eye Dimensions



ASSEMBLY CATALOG NUMBER	CONDUCTOR SIZE	DIMENSIONS							
		B		C		D		E	
		IN	MM	IN	MM	IN	MM	IN	MM
ALUMOWELD®									
GWDE10.251	3 No. 10	2.2	57	0.6	16	2.0	51	1.0	25
GWDE10.281	3 No. 9	2.0	52	0.5	13	2.0	51	1.0	25
GWDE10.295	3 No. 8	1.8	46	0.4	10	2.0	51	1.0	25
GWDE10.324	3 No. 7	1.8	46	0.4	10	2.0	51	1.0	25
GWDE12.351	3 No. 6	1.8	46	0.4	10	2.0	51	1.0	25
GWDE14.406	3 No. 7	1.8	46	0.4	10	2.0	51	1.0	25
GWDE12.330	7 No. 10	2.8	71	0.8	20	2.5	64	1.2	31
GWDE12.359	7 No. 9	2.8	71	0.8	20	2.5	64	1.2	31
GWDE14.406	7 No. 8	2.2	57	0.6	16	2.0	51	1.0	25
GWDE16.484	7 No. 7	2.2	57	0.6	16	2.0	51	1.0	25
GWDE16.531	7 No. 6	2.0	52	0.5	13	2.0	51	1.0	25
GWDE18.594	7 No. 5	2.0	52	0.5	13	2.0	51	1.0	25
GWDE18.530	19 No. 10	2.8	71	0.8	20	2.5	64	1.2	31
STEEL GROUND WIRE									
GWDE12.332	5/16" EHS	2.0	52	0.5	13	2.0	51	1.0	25
GWDE14.386	3/8" EHS	2.2	57	0.6	16	2.0	51	1.0	25
GWDE16.453	7/16" EHS	2.2	57	0.6	16	2.0	51	1.0	25
GWDE18.531	1/2" EHS	2.8	71	0.8	20	2.5	64	1.2	31

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Quick Compress Compression Joints for Alumoweld® and Steel Ground Wire, GWJ Series



The Quick Compress GWJ Series Joints are designed for fast and easy installation of Alumoweld® and Steel Ground Wire. By using a high strength alloy, the compression length has been shortened for less compression bites while maintaining a minimum 95% of the ASTM rated strength. The compression joint is pre-filled, eliminating an installation step. Each compression joint has a center stop to ensure proper insertion of the conductor.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

A compression joint for No. 10 Alumoweld®, the complete catalog number is:

GWJ12.330

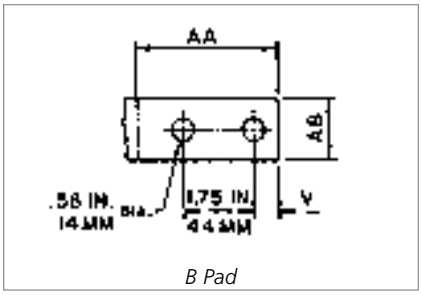
Notes:

1. Installation Instructions for Compression Joints are on page 268.
2. For more information on die selection and ordering instructions, see Tools and Equipment section in this catalog.

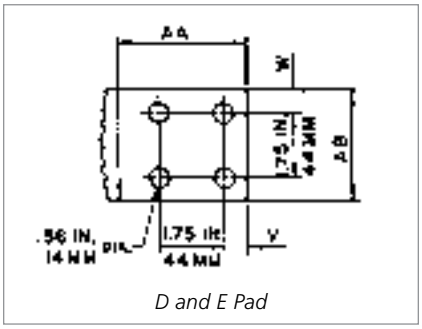
CATALOG NUMBER	CONDUCTOR			DIMENSION L		DIE SIZE	TOTAL WEIGHT	
	SIZE	DIAMETER						
		IN	MM	IN	MM		LBS	KG
ALUMOWELD®								
GWJ10.251	3 No. 10	0.220	5.6	6.62	168	6010GW	0.17	0.08
GWJ10.281	3 No. 9	0.247	6.3	6.62	168	6010GW	0.16	0.07
GWJ10.295	3 No. 8	0.277	7.0	7.50	191	6010GW	0.17	0.08
GWJ10.324	3 No. 7	0.311	7.9	7.50	191	6010GW	0.16	0.07
GWJ12.351	3 No. 6	0.349	8.9	9.00	229	6012GW	0.27	0.12
GWJ14.406	3 No. 5	0.392	10.0	8.25	210	6014GW	0.38	0.17
GWJ12.330	7 No. 10	0.306	7.8	6.50	165	6012GW	0.23	0.1
GWJ12.359	7 No. 9	0.343	8.7	9.00	229	6012GW	0.27	0.12
GWJ14.406	7 No. 8	0.385	9.8	8.25	210	6014GW	0.38	0.17
GWJ16.484	7 No. 7	0.433	11.0	9.62	244	6016GW	0.58	0.26
GWJ16.531	7 No. 6	0.486	12.3	11.00	279	6016GW	0.62	0.28
GWJ18.594	7 No. 5	0.546	13.9	11.00	279	6018GW	0.73	0.33
GWJ18.530	19 No. 10	0.509	12.9	11.00	279	6018GW	0.83	0.38
STEEL GROUND WIRE								
GWJ12.332	5/16" EHS GW	0.312	7.90	8.81	224	6012GW	0.31	0.14
GWJ14.386	3/8" EHS GW	0.360	9.10	10.50	267	6014GW	0.49	0.22
GWJ16.453	7/16" EHS GW	0.435	11.00	13.25	337	6016GW	0.73	0.33
GWJ18.531	1/2" EHS GW	0.495	12.60	17.00	432	6018GW	1.30	0.59

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NEMA Standard Pad Sizes



B Pad

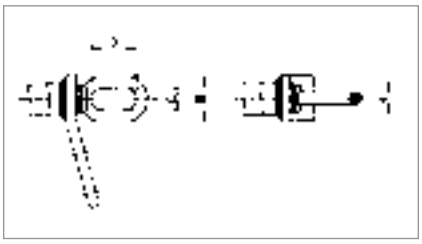


D and E Pad

DIGITS OF CATALOG NUMBER	PAD LETTER	DIMENSIONS								PAD THICKNESS DEAD END TONGUE	
		V		W		AA		AB			
		IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
07	B	0.62	16	—	—	3.50	89	1.50	38	0.50	13
08	B	0.62	16	—	—	3.50	89	1.70	43	0.50	13
09	B	0.62	16	—	—	3.50	89	1.92	49	0.50	13
10	B	0.62	16	—	—	3.50	89	2.18	55	0.50	13
11-16	D	0.62	16	0.62	16	3.50	89	3.00	76	0.62	16
17-20	E	1.12	29	1.12	29	4.00	102	4.00	102	0.75	19

Notes:
1. If the catalog number has 'EHV' suffix, pad will be furnished with rounded corners.
2. 15° terminals and dead end tongues are finished on both sides.

Steel Eye and Clevis Dimensions – Non-Adjustable Steel Eye



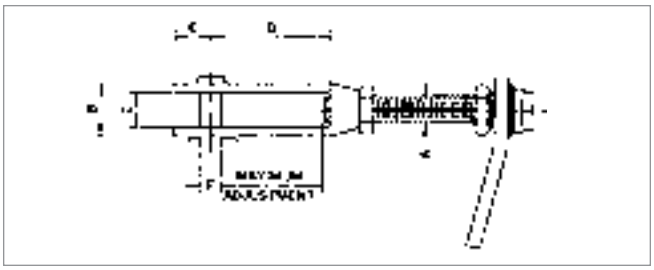
DIGITS OF CATALOG NUMBER	DIMENSIONS							
	B		C		D		E	
	IN	MM	IN	MM	IN	MM	IN	MM
07 and 08	1.82	46	1.00	25	2.00	51	0.41	10
09 and 10	2.04	52	1.00	25	2.00	51	0.52	13
11 and 12	2.24	57	1.00	25	2.00	51	0.62	18
13-15	2.80	71	1.24	31	2.50	64	0.78	20
16-18	3.12	79	1.24	31	2.50	64	0.94	24
19 and 20	3.70	94	1.50	38	3.00	76	1.10	28

Bolt Sizes and Recommended Torque

15° TERMINAL SIZE	BOLT SIZE	RECOMMENDED TORQUE LB-FT	RECOMMENDED TORQUE N-M
TF07, TF08, TF09	1/2"-13UNC x 1.75"	25	34
TF10, TF11, TF12, TF13	1/2"-13UNC x 2.00"	25	34
TF14, TF15, TF16, TF16, TF17	1/2"-13UNC x 2.25"	25	34
TF18, TF19, TF20	1/2"-13UNC x 2.50"	25	34

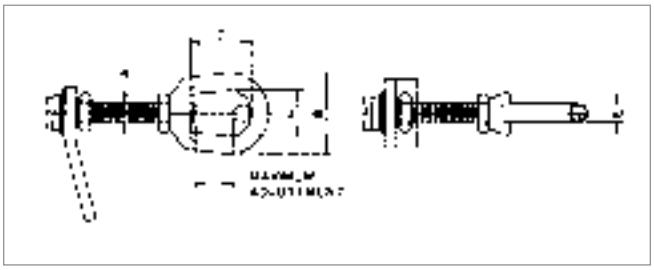
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Steel Eye and Clevis Dimensions – Adjustable Steel Clevis



DIGITS OF CATALOG NUMBER	DIMENSIONS										MAXIMUM ADJUSTMENT	
	A	B		C		D		E		F		
		IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
07	5/8-11	1.56	40	0.75	19	4.00	102	1.25	32	0.62	16	3.38	86
08	3/4-10	1.69	43	0.88	22	4.00	102	1.25	32	0.62	16	3.38	86
9 and 10	7/8-9	1.81	46	1.00	25	4.00	102	1.25	32	0.75	19	3.38	86
11 and 12	1-8	2.56	65	1.38	35	5.00	127	1.50	38	0.88	22	4.25	108
13-15	1 1/4-7	2.56	65	1.38	35	5.00	127	1.50	38	1.00	25	4.25	108
16-18	1 1/2-6	2.81	71	1.62	41	6.00	152	1.75	44	1.12	28	5.12	130
19 and 20	1 3/4-5	3.19	81	2.00	51	6.00	152	2.00	51	1.25	32	5.12	130

Steel Eye and Clevis Dimensions – Adjustable Steel Eye



DIGITS OF CATALOG NUMBER	DIMENSIONS									MAXIMUM ADJUSTMENT	
	A	B		C		D		E			
		IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
07	5/8-11	2.50	64	1.50	38	2.00	51	0.50	13	1.28	33
08	3/4-10	3.00	76	1.75	44	2.38	60	0.62	16	1.53	39
09 and 10	7/8-9	3.50	89	2.00	51	2.62	67	0.75	19	1.63	41
11 and 12	1-8	4.00	102	2.25	57	3.06	78	0.88	22	1.92	49
13-15	1 1/4-7	4.50	114	2.50	64	3.50	89	1.00	25	2.23	57
16-18	1 1/2-6	5.62	143	3.12	79	4.00	102	1.25	32	2.45	62
19 and 20	1 3/4-5	5.62	143	3.12	79	4.00	102	1.25	32	2.17	55

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Conductor Information for ACSR Conductors

CODE NAME	SIZE	STRANDING	DIAMETER (INCHES)				WEIGHT PER 1000 FT	RATED STRENGTH	RESISTANCE OHMS PER 1000 FT		ALLOW-ABLE 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
Raven	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	0.069	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	0.114	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
Scoter	636	30/7	0.146	0.146	0.437	1.019	995	30,400	0.026	0.033	798	—

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Conductor Information for ACSR Conductors (cont.)

CODE NAME	SIZE	STRANDING	DIAMETER (INCHES)				WEIGHT PER 1000 FT	RATED STRENGTH	RESISTANCE OHMS PER 1000 FT		ALLOW-ABLE 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	
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.

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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

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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	
Cockscomb	900.0	37	1.092	844	15,400	0.019	0.024	948	1-1049
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	1113.0	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
Bluebonnet	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.

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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.

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Conductor Information for ACAR Conductors

SIZE	STRANDING	DIAMETER	WEIGHT PER 1000 FT	RATED STRENGTH	RESISTANCE OHMS PER 1000 FT		ALLOWABLE AMPACITY[1]	SAG10® CHART NUMBER
KCMIL	AAC/AAAC	IN	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.

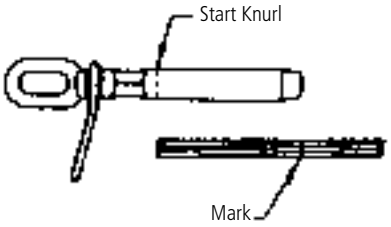
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Installation Instructions

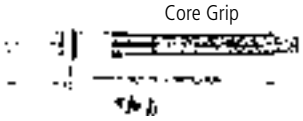
Non-Adjustable Quick Compress Dead Ends for ACSR Conductors (VES/HES and VED/HED Series)

1. Prior to making any connections, the conductor must be wire brushed. If the conductor is weathered or blackened, carefully unlay the aluminum strands for a distance equal to the compression length of the dead end barrel. Clean the aluminum strands thoroughly with a wire brush. An alternate way to thoroughly clean the aluminum oxidation from the conductor is to use the ConductaClean® system. Straighten several feet of conductor removing set caused by reel.

2. Mark the conductor from the end, a distance equal to the length of compression barrel.



3. Cut the aluminum strands back a distance equal to the length of the core grip plus 1/4 inch (6 mm). Do not nick the steel strands. File burrs as necessary for ease of insertion.



4. Insert the steel core into the core grip. Do not twist the core grip while inserting core wire.



5. Insert the core grip and conductor into the compression barrel. Be sure the conductor is inserted beyond the mark on the conductor.

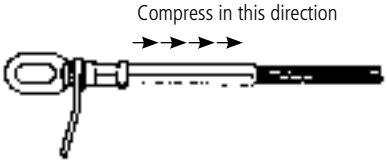


6. To compress the aluminum barrel, select the proper die size as stamped on the barrel.

7. The dead end will bow during compression unless care is taken to have 15 feet (4.5 m) of the conductor supported straight out from the end of the dead end. The weight of the conductor should not hang unsupported when compressing.

8. Make the initial compression at the "start knurl" and continue making compressions to the end of the dead end body. Complete die closure is required for each compression. Overlap the previous compression by approximately 1/4 die bite. It is recommended that die grooves be well lubricated with a lightweight oil. Oil coating should be maintained during entire compression operation.

9. Remove flash, if any, with a file or an abrasive cloth.



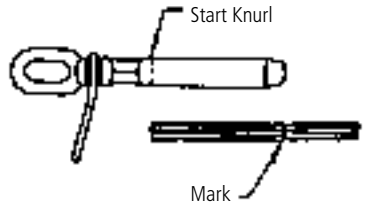
CAUTION: Follow installation instructions carefully. Improper installation can result in mechanical failure of the cable system and possible injury to persons handling or in the vicinity of the cable systems.

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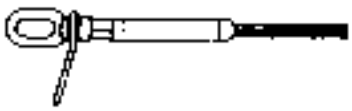
Installation Instructions

Non-Adjustable Quick Compress Dead Ends for AAC, AAAC and ACAR Conductors

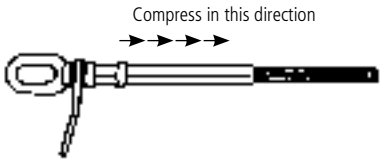
1. Prior to making any connections, the conductor must be wire brushed. If the conductor is weathered or blackened, carefully unlay the aluminum strands for a distance equal to the compression length of the dead end barrel. Clean the aluminum strands thoroughly with a wire brush. An alternate way to thoroughly clean the aluminum oxidation from the conductor is to use the ConductaClean® system. Straighten several feet of conductor removing set caused by reel.
2. Mark the conductor from the end, a distance equal to the length of compression barrel.



3. File burrs or sharp edges off the aluminum strands as necessary for ease of insertion.
4. Insert the conductor into the compression barrel. Be sure the conductor is inserted beyond the mark on the conductor.



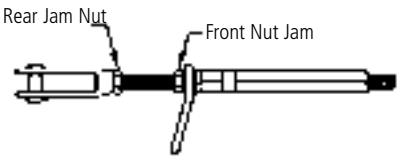
5. To compress the aluminum barrel, select the proper die size as stamped on the barrel.
6. The dead end will bow during compression unless care is taken to have 15 feet (4.5 m) of the conductor supported straight out from the end of the dead end. The weight of the conductor should not hang unsupported when compressing.
7. Make the initial compression at the "start knurl" and continue making compressions to the end of the dead end body. Complete die closure is required for each compression. Overlap the previous compression by approximately 1/4 die bite. It is recommended that die grooves be well lubricated with a lightweight oil. Oil coating should be maintained during entire compression operation.
8. Remove flash, if any, with a file or an abrasive cloth.



Installation Instructions

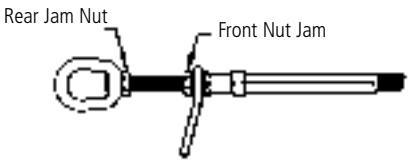
Adjustable Quick Compress Dead Ends for ACSR, AAC, AAAC and ACAR Conductors

1. To install, follow steps 1-9 on previous page for ACSR or 1-8 above for AAC, AAAC and ACAR.



To Adjust Dead Ends

2. Loosen rear nut jam.
3. Rotate clevis or eye for proper sag.
4. Tighten rear jam nut.



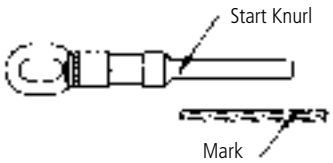
CAUTION: Follow installation instructions carefully. Improper installation can result in mechanical failure of the cable system and possible injury to persons handling or in the vicinity of the cable systems.

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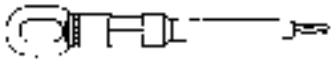
Installation Instructions

Non-Adjustable Quick Compress Dead Ends for Alumoweld® and Steel Ground Wire

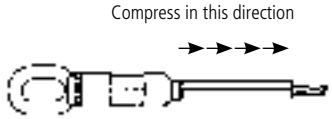
1. Serve the conductor, prior to cutting, to help maintain the round contour. File burrs or sharp edges off the conductor as necessary for ease of insertion.
2. Straighten several feet of conductor removing set caused by reel.
3. Prior to making connections, the conductor must be clean. If the conductor is weathered or blackened, clean strands thoroughly with wire brush.
4. Mark the conductor for a distance from the end equal to the length of compression of the aluminum barrel.



5. Insert the conductor into the compression barrel. Be sure the conductor is inserted beyond the mark on the conductor.
6. Select the proper die size to compress the aluminum barrel. The die size indicated on the aluminum barrel should match that indicated on the compression dies.
7. The dead end will bow during compression unless reasonable care is taken to have about 15 feet of the conductor supported straight out from the end of the dead end such that the weight of the conductor does not hang unsupported from the end of the dead end when compressing.



8. It is recommended that die grooves be well lubricated with a light weight oil. Oil coating should be maintained during entire compression operation.
9. Make initial compression starting at the start knurl. Continue making compressions to the end of the dead end barrel. Overlapping the previous compression by approximately 1/4 die bite. Complete die closure is required for each compression.
10. Compressed portion of the dead end should have a smooth uniform appearance. Remove flash, if present, with file or emery cloth.



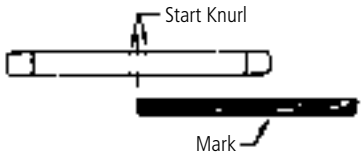
CAUTION: Follow installation instructions carefully. Improper installation can result in mechanical failure of the cable system and possible injury to persons handling or in the vicinity of the cable systems.

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Installation Instructions

Quick Compress Joints for AAC, AAAC, ACAR, Alumoweld® and Steel Ground Wire Conductors

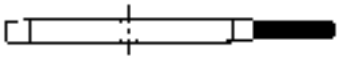
1. Prior to making any connections, the conductor must be clean. If the conductor is weathered or blackened, carefully unlay the aluminum strands for a distance equal to half the length of the joint. Clean the aluminum strands thoroughly with a wire brush. An alternate way to thoroughly clean the aluminum oxidation from the conductor is to use the ConductaClean® system. Straighten several feet of conductor removing set caused by reel.



2. Mark the conductor from the end, a distance equal to half the length of the joint.

3. File burrs or sharp edges as necessary for ease of insertion.

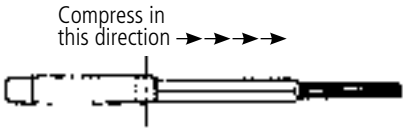
4. Insert the conductor into one end of the joint. Be sure the conductor is inserted to the mark on the conductor.



5. To compress, select the proper die size as stamped on the joint.

6. The joint will bow during compression unless care is taken to have a minimum of 15 feet (4.5 m) of the conductor supported on both sides.

7. Make the initial compression at the 'start knurl' and continue compressing toward one end of the joint. Complete die closure is required for each compression. Overlap the previous compression by approximately 1/4 die bite. It is recommended that die grooves be well lubricated with a lightweight oil. Oil coating should be maintained during entire compression operation.



8. Repeat Steps #1 through #7 with the other side to complete the joint.

9. Remove flash, if any, with a file or an abrasive cloth.

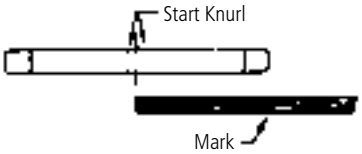
CAUTION: Follow installation instructions carefully. Improper installation can result in mechanical failure of the cable system and possible injury to persons handling or in the vicinity of the cable systems.

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Installation Instructions

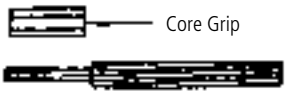
Quick Compress Joints for ACSR Conductors

1. Prior to making any connections, the conductor must be wire brushed. If the conductor is weathered or blackened, carefully unlay the aluminum strands for a distance equal to half the length of the joint. Clean the aluminum strands thoroughly with a wire brush. An alternate way to thoroughly clean the aluminum oxidation from the conductor is to use the ConductaClean® system. Straighten several feet of conductor removing set caused by reel.



2. Mark the conductor from the end, a distance equal to half the length of the joint.

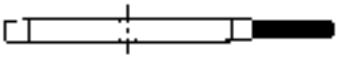
3. Cut the aluminum strands back a distance equal to the length of the core grip plus 1/4 inch (6 mm). Do not nick the steel strands. File burrs as necessary for ease of insertion.



4. Insert the steel core into the core grip. Do not twist the core grip while inserting core wire.

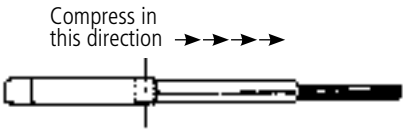


5. Insert the core grip and conductor into one end of the joint. Be sure the conductor is inserted to the mark on the conductor.



6. To compress, select the proper die size as stamped on the joint.

7. The joint will bow during compression unless care is taken to have a minimum of 15 feet (4.5 m) of the conductor supported on both sides.



8. Make the initial compression at the 'start knurl' and continue compressing toward one end of the joint. Complete die closure is required for each compression. Overlap the previous compression by approximately 1/4 die bite. It is recommended that die grooves be well lubricated with a lightweight oil. Oil coating should be maintained during entire compression operation.

9. Repeat Steps #1 through #8 with the other side to complete the joint.

10. Remove flash, if any, with a file or an abrasive cloth.

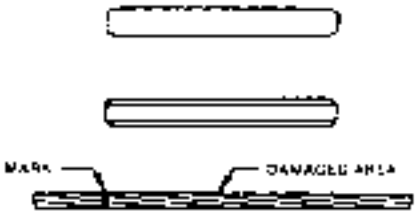
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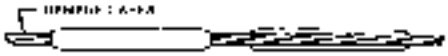
Installation Instructions

Quick Compress® Repair Sleeves on ACSR, AAC, AAAC and ACAR Conductors

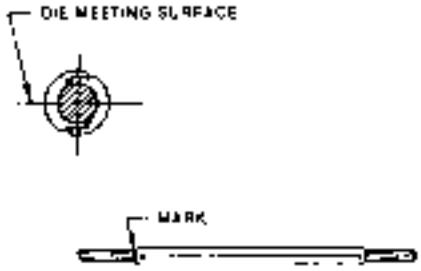
1. Compression Repair Sleeves can be used to restore the electrical and mechanical integrity of a conductor when no more than 1/3 of the aluminum strands are damaged.
2. Mark the conductor from the damaged area 1/2 the length of the repair sleeve.
3. Select die size for compressing the repair sleeve. The die size on the die and the die size marked on the repair sleeve must be the same.
4. Prior to making connections. the groove of the aluminum accessories and the conductor must be clean. If the conductor is weathered or blackened, clean strands thoroughly with wire brush. Check accessory groove for foreign particles, removing if present.
5. Coat the aluminum conductor with AFL Filler Compound (AFC) over the length to be covered by the repair sleeve.



6. Place the repair sleeve groove on the conductor adjacent to damaged area and slide other half (keeper) in place.



7. Slide repair sleeve assembly over the damaged area to the mark on the conductor.
8. Make the initial compression over the center portion of the repair sleeve. Make the second compression on one end overlapping the initial compression by 1/4 die bite. Make the third compression on the opposite end, overlapping the initial compression by 1/4 die bite. Continue making compressions to one end of the repair sleeve overlapping the previous compression by 1/4 die bite. Complete die closure is required for each compression. Go back and complete the compression on the opposite end.
9. The compressed repair sleeve should have a smooth uniform appearance. Remove flash, if present, with file or emery cloth.



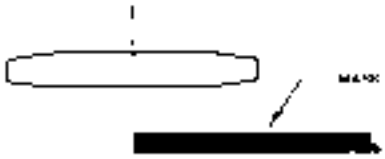
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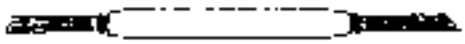
Installation Instructions

Quick Compress Jumper Connectors on ACSR, AAC, AAAC, ACAR, Alumoweld® and Steel Ground Wire Conductor

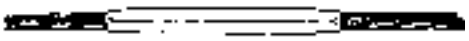
1. Measure back from each conductor end and mark at a distance equal to 1/2 the length of the aluminum jumper connector.
2. File burrs or sharp edges off the aluminum strands as necessary for ease of insertion.
3. Prior to making connections, the conductor must be wire brushed and accessory bores must be clean. If the conductor Is weathered or blackened, carefully unlay aluminum strands for a distance equal to or greater than 1/2 the length of the aluminum jumper connector and clean strands thoroughly with wire brush. An alternate way to thoroughly clean the aluminum oxidation from the conductor is to use the ConductaClean® system. Check accessory bore for foreign particles, removing if present.



4. Inject AFL Filler Compound (AFC) into each end of jumper connector and on the conductor to insure that excess compound will be forced from the jumper connector when compressions are completed. Insert conductor ends into the jumper connector. If the mark on the conductor is not at the end of the jumper connector, and there is resistance to further entry, twist the jumper connector on the conductor. This will work the compound between conductor strands and bleed air from the jumper connector.
5. Select die size for compressing jumper connector. The die size on die and die size marked on aluminum jumper connector must be the same.
6. The jumper connector will bow during compression unless reasonable care Is taken to have about 15 ft. (4.5 m) of the conductor supported straight out from both ends of the jumper connector such that the weight of the conductor does not hang unsupported from the end of the jumper connector when compressing.



7. Compress jumper connector full length making initial compression over center stop. Overlap each successive compression by approximately 1/4 die bite. Complete die closure is required for each compression.
8. Compressed jumper connector should have a smooth uniform appearance. Remove flash, if present, with file or emery cloth.



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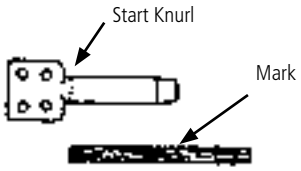
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Installation Instructions

Quick Compress® Compression Terminals

(These instructions are not for HiTemp® Conductors)

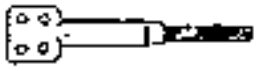


1. Prior to making any connections, the conductor must be clean. For new conductor, the outside diameter shall be wire brushed to remove the aluminum oxidation. If the conductor is weathered or blackened, carefully unlay the aluminum strands for a distance equal to the compression length of the terminal. Clean all of the aluminum strands thoroughly with a wire brush. An alternate way to thoroughly clean the aluminum oxidation from the conductor is to use the ConductaClean® system.

2. Mark the conductor from the end, a distance equal to the compression length of the terminal.

Quick Compress:

3a. Insert the conductor into the terminal. Be sure the conductor is inserted to the mark on the conductor. The terminal comes pre-filled with compound from the factory.



Standard Compression:

3b. Inject sufficient AFL Filler Compound (AFC) in the end of the terminal bore and on the conductor to ensure that excess compound will be visible at terminal end when barrel is completely compressed. See chart below for proper amount of AFC required for each terminal size.

AFC Filler Compound Required

PARTIAL TERMINAL CATALOG NUMBER	LB.	GRAMS (G)
5172., 5672., 5872.	0.01	5
5173., 5673., 5873.	0.01	5
5174., 5674., 5874.	0.02	9
5175., 5675., 5875.	0.02	9
5176., 5676., 5876.	0.02	9
5106., 5606., 5806.	0.02	9
5109., 5609., 5809.	0.02	9
5110., 5610., 5810.	0.03	14
5111., 5611., 5811.	0.03	14
5112., 5612., 5812.	0.03	14
5113., 5613., 5813.	0.03	14
5120., 5620., 5820.	0.04	18
5124., 5624., 5824.	0.05	23
5127., 5627., 5827.	0.06	27
5130., 5630., 5830.	0.09	41
5134., 5634., 5834.	0.12	54
5136., 5636., 5836.	0.15	68
5138., 5638., 5838.	0.17	77
5140., 5640., 5840.	0.2	91
5142., 5642., 5842.	0.24	109
5144., 5644., 5844.	0.28	127
5148., 5648., 5848.	0.32	145

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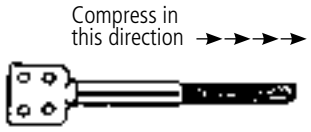
Installation Instructions (cont.)

Quick Compress® Compression Terminals

(These instructions are not for HiTemp® Conductors)

4. To compress, select the proper die size as stamped on the jumper connector.

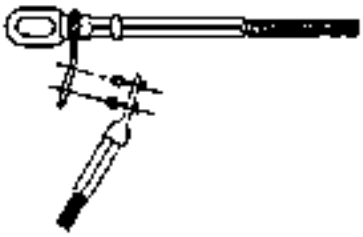
5. Compress the terminal, beginning at the "start knurl." Continue compressing toward the end of the terminal. Complete die closure is required for each compression. Overlap the previous compression by approximately 1/4 die bite. It is recommended that die grooves be well lubricated with a lightweight oil. Oil coating should be maintained during entire compression operation. (Other acceptable mediums that can be used instead of oil are wax, soap or plastic bag the terminal was shipped in.)



6. Remove flash, if any, with a file or an abrasive cloth.

To Attach Terminal Connector to Dead End or Tee Tap

7. Clean contact surface of pads to be connected by wire brushing thoroughly and immediately coating with a thin film of No. 2 Electrical Joint Compound (EJC). **DO NOT USE AFC.**



8. Bolt terminal to dead end pad. Partially tighten all bolts and then re-tighten each bolt to the recommended torque:

Aluminum 1/2" bolts - 25 lb-ft (34 N.m)
Stainless Steel 1/2" bolts - 40 lb-ft (54 N.m)

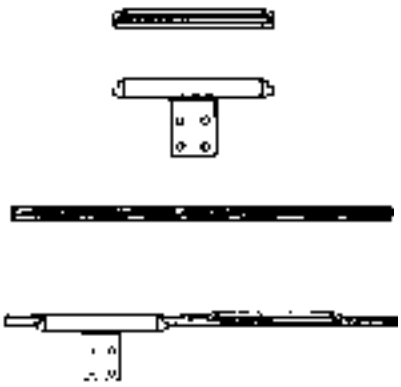
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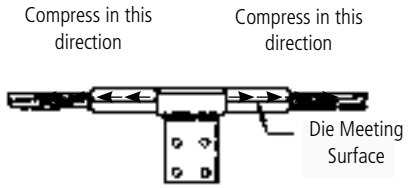
Installation Instructions

Quick Compress Open Run Tee Tap for ACSR, AAC, AAAC and ACAR Conductors

1. Remove the keeper.
2. To compress, select the proper die size as stamped on the jumper connector.
3. Prior to making connections, the groove of the aluminum accessories and the conductor must be clean. If the conductor is weathered or blackened, clean strands thoroughly with wire brush or abrasive cloth. Check the accessory groove for foreign particles and remove if present.
4. Coat the aluminum conductor with AFL Filler Compound (AFC) over the length to be covered by the tee tap.
5. Place run groove on conductor and slide the keeper in place.



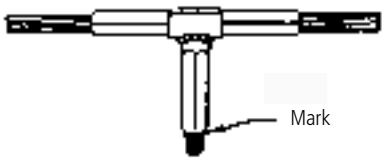
6. Make initial compression on either side of run starting at the "start knurl". Make the second compression on the opposite end of the run at the "start knurl". Continue making compressions to the end of the tee, overlapping the previous compression by approximately 1/4 die bite. Go back and complete the compression on the opposite end.
7. Compressed portion of tee should have a smooth, uniform appearance. Remove flash, if present, with file or abrasive cloth.



Installation Instructions

Quick Compress Open Run Tee Connector for ACSR, AAC, AAAC and ACAR Conductors

1. Install run tee using steps 1 - 7 above.
2. Insert conductor full depth into branch bore and mark conductor at end of branch. Remove conductor after marking.
3. Inject sufficient AFC In the end of the branch bore and on the conductor to insure that excess compound will be visible at the branch end when completely compressed.
4. Insert the conductor into the branch to the mark on the conductor.
5. Make initial compression starting at the "start knurl". Continue making compressions to mouth of the branch overlapping the previous compression by approximately 1/4 die bite.
6. Compressed portion of the branch should have a smooth, uniform appearance. Remove flash, If present, with file or abrasive cloth.



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Index

ACS Series
- ACSR Conductor . . . 165
- AAAC and ACAR Conductors . . . 229

ACSE Series for AAC Conductor . . . 201

AES Series
- ACSR Conductor . . . 168
- AAAC and ACAR Conductor . . . 231

AESE Series for AAC Conductor . . . 203

CJ Series
- ACSR Conductor . . . 171
- AAAC and ACAR Conductors . . . 233

CJE Series for AAC Conductor . . . 205

CJER Series for AAC Conductor . . . 207

CJR Series
- ACSR Conductor . . . 173
- AAAC and ACAR Conductors . . . 235

Compression Joints
- ACSR Conductors . . . 171
- AAC Conductors . . . 205
- AAAC and ACAR Conductors . . . 233
- Ground Wire . . . 256

Conductor Information . . . See Reference Material

Dead Ends, Compression
- Single Tongue
  - ACSR Conductor . . . 159
  - AAC Conductor . . . 197
  - AAAC and ACAR Conductor . . . 225
  - Ground Wire . . . 253
- Double Tongue
  - ACSR Conductor . . . 162
  - AAC Conductor . . . 199
  - AAAC and ACAR Conductor . . . 227
- Adjustable Clevis
  - ACSR Conductor . . . 165
  - AAC Conductor . . . 201
  - AAAC and ACAR Conductor . . . 229
- Adjustable Eye
  - ACSR Conductor . . . 168
  - AAC Conductor . . . 203
  - AAAC and ACAR Conductor . . . 231

GWDE Series for Ground Wire . . . 253

GWJ Series for Ground Wire . . . 256

HED Series
- ACSR Conductor . . . 162
- AAAC and ACAR Conductor . . . 227

HEDE Series for AAC Conductor . . . 199

HES Series
- ACSR Conductor . . . 159
- AAAC and ACAR Conductor . . . 225

HESE Series for AAC Conductor . . . 197

Installation Instructions
- Compression Joints
  - ACSR Conductor . . . 269
  - AAC, AAAC, ACAR Conductors & Steel Gnd Wire . . . 268
- Dead Ends
  - ACSR Conductor . . . 265
  - AAC, AAAC, ACAR Conductors & Steel Gnd Wire . . . 266
  - Adjustable Dead Ends . . . 266
  - Alumoweld and Steel Ground Wire . . . 267
  - Jumper Connectors . . . 271
  - Repair Sleeves . . . 270
  - Tee Connectors, Open Run . . . 274
  - Tee Taps, Open Run . . . 274
  - Terminal Connectors . . . 272

JC Series
- ACSR Conductor . . . 177
- AAC Conductor . . . 211
- AAAC and ACAR Conductor . . . 239

Jumper Connectors
- ACSR Conductor . . . 177
- AAC Conductor . . . 211
- AAAC and ACAR Conductor . . . 239

Jumpers See Terminals

Pad Dimensions . . . See Reference Material

Quick Reference Charts
- ACSR Conductor . . . 152
- AAC Conductor . . . 154
- AAC and ACAR Conductor . . . 155

continued

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Specifications are subject to change without notice.

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Index (cont.)

Reference Material
- Adjustable Steel Clevis Dimensions . . . 258
- Adjustable Steel Eye Dimensions . . . 258
- Bolt Sizes and Recommended Torque . . . 257
- Conductor Information for ACSR Conductor . . . 259
- Conductor Information for AAC Conductor . . . 261
- Conductor Information for AAAC Conductor . . . 263
- Conductor Information for ACAR Conductor . . . 264
- NEMA Standard Pad Sizes . . . 257
- Steel Eye Dimensions . . . 257

Repair Sleeves
- ACSR Conductor . . . 175
- AAC Conductor . . . 209
- AAAC and ACAR Conductor . . . 237

RS Series
- ACSR Conductor . . . 175
- AAC Conductor . . . 209
- AAAC and ACAR Conductor . . . 237

Sleeves See Compression Joints or Jumper Connectors

T45 Series
- ACSR Conductor . . . 185
- AAC Conductor . . . 217
- AAAC and ACAR Conductor . . . 245

Tee Connectors, Open Run
- ACSR Conductor . . . 191
- AAC Conductor . . . 221
- AAAC and ACAR Conductor . . . 249

Tee Taps, Open Run
- ACSR Conductor . . . 193
- AAC Conductor . . . 223
- AAAC and ACAR Conductor . . . 250

Terminals
- 15°
  - ACSR Conductor . . . 182
  - AAC Conductor . . . 215
  - AAAC and ACAR Conductor . . . 243
- 45°
  - ACSR Conductor . . . 185
  - AAC Conductor . . . 217
  - AAAC and ACAR Conductor . . . 245

Terminals
- 90°
  - ACSR Conductor . . . 188
  - AAC Conductor . . . 219
  - AAAC and ACAR Conductor . . . 247
- Straight
  - ACSR Conductor . . . 179
  - AAC Conductor . . . 213
  - AAAC and ACAR Conductor . . . 243

TF Series
- ACSR Conductor . . . 182
- AAC Conductor . . . 215
- AAAC and ACAR Conductor . . . 243

TN Series
- ACSR Conductor . . . 188
- AAC Conductor . . . 219
- AAAC and ACAR Conductor . . . 247

TS Series
- ACSR Conductor . . . 179
- AAC Conductor . . . 213
- AAAC and ACAR Conductor . . . 241

TTOC Series
- ACSR Conductor . . . 191
- AAC Conductor . . . 221
- AAAC and ACAR Conductor . . . 249

TTOP Series
- ACSR Conductor . . . 193
- AAC Conductor . . . 223
- AAAC and ACAR Conductor . . . 250

VED Series
- ACSR Conductor . . . 162
- AAAC and ACAR Conductor . . . 227

VEDE Series for AAC Conductor . . . 199

VES Series
- ACSR Conductor . . . 159
- AAAC and ACAR Conductor . . . 225

VESE Series for AAC Conductor . . . 197

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Table of Contents

HiTemp® Compression Pictorial Index 278
Overview—ACSS, ACSS/TW Compression Accessories 279

Quick Reference Guide

ACSS Conductor Quick Reference Guide 280
ACSS/TW Conductor Quick Reference Guide 282

Solo HD® Single-Die Compression – ACSR and ACSS

Dead End, ACSR & ACSS, Eye & Clevis Type, Single Tongue 285
Dead End, ACSR & ACSS, Eye & Clevis Type, Double Tongue 288
Replacement Dead End for ACSR & ACSS Conductors, SDESR Series 291
Joint, ACSR & ACSS, Full Tension 294
Replacement Joint for ACSR & ACSS Conductors, SDCJR Series 297
Dead End, ACSR & ACSS, Adjustable Clevis, Single Tongue 299
Dead End, ACSR & ACSS, Adjustable Clevis, Double Tongue 302

Solo HD® Single-Die Compression – ACSS/TW

Dead End, ACSS/TW, Eye & Clevis Type, Single Tongue 305
Dead End, ACSS/TW, Eye & Clevis Type, Double Tongue 308
Replacement Dead End, ACSS/TW & ACSR/TW Conductors, SDESR Series 311
Joint, ACSS/TW 313
Replacement Joint, ACSS/TW & ACSR/TW Conductors, SDCJR Series 316
Dead End, ACSS/TW, Adjustable Clevis, Single Tongue 318
Dead End, ACSS/TW, Adjustable Clevis, Double Tongue 321

ACSS Accessories

Single Tongue Dead End—33100HT Series 324
Double Tongue Dead End—33300HT Series 327
Compression Joint—33000HT Series 330
Repair Sleeve—5200HT Series 332
Jumper Connector—5000HT Series 334
Straight Connector—5600HT Series 336
15º Terminal Connector—5100HT Series 338
90º Terminal Connector—5800HT Series 340
Open Run Tee Connector—5500HT Series 342
Open Run Tee Tap—5300HT Series 345

ACSS/TW Accessories

Single Tongue Dead End—440000HT Series 348
Double Tongue Dead End—480000HT Series 351
Compression Joint—420000HT Series 354
Repair Sleeve—5200HT Series 356
Jumper Connector—5000HT Series 358
Straight Connector—5600HT Series 360
15º Terminal Connector—5100HT Series 362
90º Terminal Connector—5800HT Series 364
Open Run Tee Connector—5500HT Series 367
Open Run Tee Tap—5300HT Series 370

HiTemp® Motion Control Accessories

Stockbridge Type Vibration Damper—1700 Series 374
Speed-Grip® Spacers—3300HT Series 376

HiTemp® Reference Material

NEMA Standard Pad Sizes 378
Pad Width and Thickness 378
Steel Eye Dimensions 378
HiTemp Filler Compound Requirements 379
Bolt Sizes and Recommended Torque 379
Conductor Information for ACSS Conductors 380
Conductor Information for ACSS/TW Conductors 382

HiTemp® Installation Instructions

HiTemp® Compression Dead Ends, ACSR, ACSS, ACSS/TW 384
Solo HD® Compression Dead Ends, ACSR, ACSS, ACSS/TW, Adj. Clevis 392
HiTemp® Compression Joints, ACSR, ACSS, ACSS/TW 400
HiTemp® Compression Dead Ends, ACSR, ACSS 408
HiTemp® Compression Splice, ACSS, ACSS/TW 410
HiTemp® Compression Repair Sleeve, ACSS, ACSS/TW 412
HiTemp® Jumper Connectors, ACSS, ACSS/TW 413
HiTemp® Terminal Conductors 414
HiTemp® Open Run Tee Taps and Tee Connectors 416
HiTemp® Vibration Dampers 417
HiTemp® Speed-Grip®Spacers 421

HiTemp® Compression Index 422

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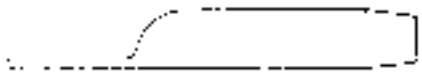
Pictorial Index

Solo HD® Single-Die Compression and HiTemp® Compression

Dead End—Single Tongue
Solo HD: pgs. 285, 291, 299 **ACSS:** p. 324 **ACSS/TW:** p. 318



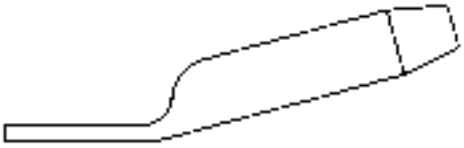
Straight Terminal Connector
ACSS: pgs. 336 **ACSS/TW:** pgs. 360



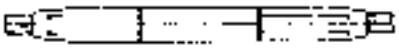
Dead End—Double Tongue
Solo HD: pgs. 288, 302 **ACSS:** pgs. 327 **ACSS/TW:** pgs. 351



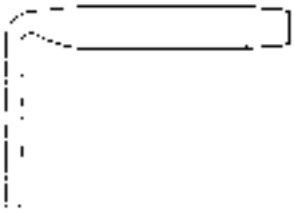
15° Terminal Connector
ACSS: pgs. 338 **ACSS/TW:** pgs. 362



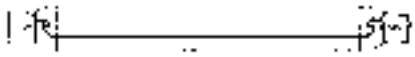
Compression Joint
Solo HD: pgs. 294, 311 **ACSS:** pgs. 330 **ACSS/TW:** pgs. 354



90° Terminal Connector
ACSS: pgs. 340 **ACSS/TW:** pgs. 364



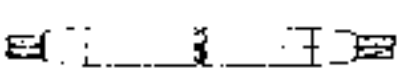
Repair Sleeve
ACSS: pgs. 332 **ACSS/TW:** pgs. 356



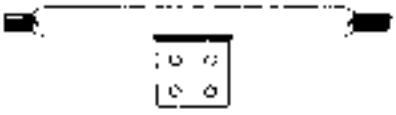
Open Run Tee Connector
ACSS: pgs. 342 **ACSS/TW:** pgs. 367



Jumper Connector
ACSS: pgs. 334 **ACSS/TW:** pgs. 358



Open Run Tee Tap
ACSS: pgs. 345 **ACSS/TW:** pgs. 370



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HiTemp Compression for ACSS and ACSS/TW Conductor



Why Use ACSS or ACSS/TW?

Demand for power continues to increase at an alarming rate, forcing utilities to put greater and greater electrical loads on their existing lines. However, most existing transmission circuits have been designed for operation at or below 93˚C. ACSR, the most commonly used conductor, cannot handle the higher temperatures resulting from increased current loads. Additional transmission lines are not a cost effective alternative. With the increasing de-regulation pressures, rising construction costs, and right-of-way scarcity, another option is needed. In response to this need, ACSS and ACSS/TW conductors were developed. These conductors allow utilities to increase the amount of current up to 40%. Instead of building new transmission lines, new ACSS and ACSS/TW conductors can replace existing ACSR conductor, thus allowing utilities to increase energy output.

However, with the increased power from ACSS and ACSS/TW conductors, standard compression accessories could not handle the elevated temperatures and work loads. In response, AFL developed the HiTemp Product Line, consisting of compression and motion control accessories, pulling grips, and high temperature compounds.

Features

Engineered Solution

AFL has specially designed and engineered this product line to provide improved heat dissipation. The HiTemp Compression Accessories are designed to operate 25-30% cooler than the conductor, extending its life. The HiTemp product line is rated for operation up to 250˚C.

Specially Tempered Aluminum

HiTemp Compression Accessories are fabricated from a specially tempered aluminum that will transfer elevated current and dissipate increased heat more efficiently.

High Strength Steel

The High Strength Steel Eyes and Sleeves maintain a permanent connection to the conductor core. The steel will not weaken at elevated temperatures and ensures 95% of the ASTM rated conductor strength.

Standard AH and SH Dies

The same AH and SH compression dies used on AFL's Standard Compression Accessories are used on HiTemp Compression Accessories.

HiTemp Motion Control

AFL has engineered a full line of motion control accessories for ACSS and ACSS/TW conductors. These accessories are designed to control aeolian vibration and wake-induced oscillation under the increased operating temperatures of ACSS and ACSS/TW conductors.

HiTemp AFL Filler Compound (AFCHT)

AFL has designed HiTemp AFL Filler Compound (AFCHT), a moisture inhibitor compound that will not deteriorate at the increased operating temperatures of ACSS and ACSS/TW conductors.

Proven Excellence

AFL designed the first accessories for ACSS, formally known as SSAC, in 1978. AFL has superior knowledge through years of experience to provide assistance on ACSS and ACSS/TW accessories.

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Quick Reference Guide for ACSS Conductor

Conductor				Compression Accessories Catalog Numbers												
Code Word	Size	Stranding	Dia.	Dead End Assembly	Dead End Body - Single Tongue	Steel Eye	15° Terminal	Joint Assembly	Joint Aluminum Body	Joint Steel Sleeve	Jumper Connector	Straight Terminal	90° Terminal	Repair Sleeve	Open Run Tee Tap	Open Run Tee Connector
	kcmil	Al/St	in													
WoodCock/ACSS	336.4	22/7	0.701	E33109HT	8120.781CHT	9176.228	5120.781HT	33010HT	8020.781HT	4076.228	5020.781HT	5620.781HT	5820.781HT	5220.3HT	5320.3HT	5520.3-20.781HT
Linnet/ACSS	336.4	26/7	0.720	E33113HT	8120.812CHT	9110.277	5120.812HT	33014HT	8020.812HT	4010.277	5020.812HT	5620.812HT	5820.812HT	5220.3HT	5320.3HT	5520.3-20.812HT
Oriole/ACSS	336.4	30/7	0.741	E33114HT	8120.781CHT	9110.332	5120.781HT	33015HT	8020.781HT	4010.332	5020.781HT	5620.781HT	5820.781HT	5220.3HT	5320.3HT	5520.3-20.781HT
Ptarmigan/ACSS	397.5	20/7	0.752	E33115HT	8120.812CHT	9110.231	5120.812HT	33016HT	8020.812HT	4010.231	5020.812HT	5620.812HT	5820.812HT	5220.3HT	5320.3HT	5520.3-20.812HT
Brant/ACSS	397.5	24/7	0.772	E33116HT	8120.812CHT	9110.261	5120.812HT	33082HT	8020.812HT	4010.261	5020.812HT	5620.812HT	5820.812HT	5220.3HT	5320.3HT	5520.3-20.812HT
Ibis/ACSS	397.5	26/7	0.783	E33117HT	8120.844HT	9110.302	5120.844HT	33017HT	8020.844HT	4010.302	5020.844HT	5620.844HT	5820.844HT	5220.3HT	5320.3HT	5520.3-20.844HT
Lark/ACSS	397.5	30/7	0.806	E33118HT	8120.844HT	9112.359	5120.844HT	33018HT	8020.844HT	4012.359	5020.844HT	5620.844HT	5820.844HT	5220.3HT	5320.3HT	5520.3-20.844HT
Tailorbird/ACSS	477.0	20/7	0.823	E33119HT	8120.875HT	9210.231	5120.875HT	33019HT	8020.875HT	4010.231	5020.875HT	5620.875HT	5820.875HT	5220.3HT	5320.3HT	5520.3-20.875HT
Flicker/ACSS	477.0	24/7	0.846	E33120HT	8124.938HT	9110.295	5124.938HT	33021HT	8024.938HT	4010.295	5024.938HT	5624.938HT	5824.938HT	5224.3HT	5324.3HT	5524.3-24.938HT
Hawk/ACSS	477.0	26/7	0.858	E33121HT	8124.938HT	9112.332	5124.938HT	33022HT	8024.938HT	4012.332	5024.938HT	5624.938HT	5824.938HT	5224.3HT	5324.3HT	5524.3-24.938HT
Hen/ACSS	477.0	30/7	0.883	E33122HT	8124.938CHT	9212.397	5124.938HT	33023HT	8024.938HT	4012.397	5024.938HT	5624.938HT	5824.938HT	5224.3HT	5324.3HT	5524.3-24.938HT
Sapsucker/ACSS	556.5	22/7	0.901	E33123HT	8124.969HT	9210.277	5124.969HT	33024HT	8024.969HT	4010.277	5024.969HT	5624.969HT	5824.969HT	5224.3HT	5324.3HT	5524.3-24.969HT
Parakeet/ACSS	556.5	24/7	0.914	E33124HT	8124.969HT	9210.316	5124.969HT	33025HT	8024.969HT	4010.316	5024.969HT	5624.969HT	5824.969HT	5224.3HT	5324.3HT	5524.3-24.969HT
Dove/ACSS	556.5	26/7	0.927	E33125HT	8127.100HT	9212.359	5127.100HT	33026HT	8027.100HT	4012.359	5027.100HT	5627.100HT	5827.100HT	5227.3HT	5327.3HT	5527.3-27.100HT
Eagle/ACSS	556.5	30/7	0.953	E33126HT	8127.100CHT	9314.432	5127.100HT	33027HT	8027.100HT	4014.432	5027.100HT	5627.100HT	5827.100HT	5227.3HT	5327.3HT	5527.3-27.100HT
Peacock/ACSS	605.0	24/7	0.953	E33127HT	8127.100HT	9212.332	5127.100HT	33028HT	8027.100HT	4012.332	5027.100HT	5627.100HT	5827.100HT	5227.3HT	5327.3HT	5527.3-27.100HT
Squab/ACSS	605.0	26/7	0.966	E33128HT	8127.100HT	9212.377	5127.100HT	33029HT	8027.100HT	4012.377	5027.100HT	5627.100HT	5827.100HT	5227.3HT	5327.3HT	5527.3-27.100HT
Wood Duck/ACSS	605.0	30/7	0.994	E33130HT	8127.106HT	9314.441	5127.106HT	33086HT	8027.106HT	4014.441	5027.106HT	5627.106HT	5827.106HT	5227.3HT	5327.3HT	5527.3-27.106HT
Teal/ACSS	605.0	30/19	0.994	E33129HT	8127.106HT	9314.441	5127.106HT	33030HT	8027.106HT	4014.441	5027.106HT	5627.106HT	5827.106HT	5227.3HT	5327.3HT	5527.3-27.106HT
Goldfinch/ACSS	636.0	22/7	0.963	E33131HT	8127.106HT	9210.295	5127.106HT	33031HT	8027.106HT	4010.295	5027.106HT	5627.106HT	5827.106HT	5227.3HT	5327.3HT	5527.3-27.106HT
Rook/ACSS	636.0	24/7	0.977	E33132HT	8127.106HT	9212.344	5127.106HT	33032HT	8027.106HT	4012.344	5027.106HT	5627.106HT	5827.106HT	5227.3HT	5327.3HT	5527.3-27.106HT
Grosbeak/ACSS	636.0	26/7	0.990	E33133HT	8127.106HT	9212.386	5127.106HT	33033HT	8027.106HT	4012.386	5027.106HT	5627.106HT	5827.106HT	5227.3HT	5327.3HT	5527.3-27.106HT
Scoter/ACSS	636.0	30/7	1.019	E33182HT	8127.106HT	9314.453	5127.106HT	33087HT	8027.106HT	4014.453	5027.106HT	5627.106HT	5827.106HT	5227.3HT	5327.3HT	5527.3-27.106HT
Egret/ACSS	636.0	30/19	1.019	E33134HT	8127.106HT	9314.453	5127.106HT	33034HT	8027.106HT	4014.453	5027.106HT	5627.106HT	5827.106HT	5227.3HT	5327.3HT	5527.3-27.106HT
Flamingo/ACSS	666.6	24/7	1.000	E33135HT	8127.106HT	9212.351	5127.106HT	33035HT	8027.106HT	4012.351	5027.106HT	5627.106HT	5827.106HT	5227.3HT	5327.3HT	5527.3-27.106HT
Gannet/ACSS	666.6	26/7	1.014	E33183HT	8127.106HT	9314.397	5127.106HT	33036HT	8027.106HT	4014.397	5027.106HT	5627.106HT	5827.106HT	5227.3HT	5327.3HT	5527.3-27.106HT
Stilt/ACSS	715.5	24/7	1.036	E33136HT	8130.109HT	9312.359	5130.109HT	33084HT	8030.109HT	4012.359	5030.109HT	5630.109HT	5830.109HT	5230.3HT	5330.3HT	5530.3-30.109HT
Starling/ACSS	715.5	26/7	1.051	E33137HT	8130.116HT	9314.406	5130.116HT	33037HT	8030.116HT	4014.406	5030.116HT	5630.116HT	5830.116HT	5230.3HT	5330.3HT	5530.3-30.116HT
Redwing/ACSS	715.5	30/19	1.081	E33138HT	8130.116HT	9316.500	5130.116HT	33038HT	8030.116HT	4016.500	5030.116HT	5360.116HT	5830.116HT	5230.3HT	5330.3HT	5530.3-30.116HT
Cuckoo/ACSS	795.0	24/7	1.092	E33141HT	8130.116HT	9312.386	5130.116HT	33085HT	8030.116HT	4012.386	5030.116HT	5630.116HT	5831.116HT	5230.3HT	5330.3HT	5530.3-30.116HT
Drake/ACSS	795.0	26/7	1.108	E33142HT	8130.122HT	9314.432	5130.122HT	33043HT	8030.122HT	4014.432	5030.122HT	5630.122HT	5830.122HT	5230.3HT	5330.3HT	5530.3-30.122HT
Macaw/ACSS	795.0	42/7	1.055	E33144HT	8130.116HT	9310.261	5130.116HT	33041HT	8030.116HT	4010.261	5030.116HT	5630.116HT	5830.116HT	5230.3HT	5330.3HT	5530.3-30.116HT
Tern/ACSS	795.0	45/7	1.063	E33140HT	8130.116HT	9310.277	5130.116HT	33040HT	8030.116HT	4010.277	5030.116HT	5630.116HT	5830.116HT	5230.3HT	5330.3HT	5530.3-30.116HT
Condor/ACSS	795.0	54/7	1.092	E33141HT	8130.116HT	9312.386	5130.116HT	33042HT	8030.116HT	4012.386	5030.116HT	5630.116HT	5830.116HT	5230.3HT	5330.3HT	5530.3-30.116HT
Mallard/ACSS	795.0	30/19	1.140	E33143HT	8130.122HT	9416.516	5130.122HT	33044HT	8030.122HT	4016.516	5030.122HT	5630.122HT	5830.122HT	5230.3HT	5330.3HT	5530.3-30.122HT
Ruddy/ACSS	900.0	45/7	1.131	E33145HT	8130.122HT	9310.302	5130.122HT	33047HT	8030.122HT	4010.302	5030.122HT	5630.122HT	5831.122HT	5230.3HT	5330.3HT	5530.3-30.123HT
Canary/ACSS	900.0	54/7	1.162	E33146HT	8130.122HT	9414.406	5130.122HT	33046HT	8030.122HT	4014.406	5030.122HT	5630.122HT	5830.122HT	5230.3HT	5330.3HT	5530.3-30.122HT
Corncrake/ACSS	954.0	20/7	1.165	E33147HT	8130.125HT	9412.309	5130.125HT	33045HT	8030.125HT	4012.309	5030.125HT	5630.125HT	5830.125HT	5230.3HT	5330.3HT	5530.3-30.125HT
Redbird/ACSS	954.0	24/7	1.196	E33184HT	8130.125HT	9414.422	5130.125HT	33088HT	8030.125HT	4014.422	5030.125HT	5630.125HT	5830.125HT	5230.3HT	5330.3HT	5530.3-30.125HT
Rail/ACSS	954.0	45/7	1.165	E33148HT	8130.122HT	9410.302	5130.122HT	33047HT	8030.122HT	4010.302	5030.122HT	5630.122HT	5830.122HT	5230.3HT	5330.3HT	5530.3-30.122HT
Towhee/ACSS	954.0	48/7	1.175	E33149HT	8130.125HT	9412.344	5130.125HT	33089HT	8030.125HT	4012.344	5030.125HT	5630.125HT	5830.125HT	5230.3HT	5330.3HT	5530.3-30.125HT
Cardinal/ACSS	954.0	54/7	1.196	E33150HT	8130.125HT	9414.422	5130.125HT	33049HT	8030.125HT	4014.422	5030.125HT	5630.125HT	5830.125HT	5230.3HT	5330.3HT	5530.3-30.125HT
Canvasback/ACSS	954.0	30/19	1.248	E33151HT	8134.134CHT	E9718.578	5134.134HT	33090HT	8034.134HT	4018.578	5034.134HT	5634.134HT	5834.134HT	5234.3HT	5334.3HT	5534.3-30.134HT

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Quick Reference Guide for ACSS Conductor (cont.)

Conductor				Compression Accessories Catalog Numbers												
Code Word	Size	Stranding	Dia.	Dead End Assembly	Dead End Body - Single Tongue	Steel Eye	15° Terminal	Joint Assembly	Joint Aluminum Body	Joint Steel Sleeve	Jumper Connector	Straight Terminal	90° Terminal	Repair Sleeve	Open Run Tee Tap	Open Run Tee Connector
	kcmil	Al/St	in													
Snowbird/ACSS	1033.5	42/7	1.203	E33153HT	8134.128HT	9410.277	5134.128HT	33091HT	8034.128HT	4010.277	5034.128HT	5634.128HT	5834.128HT	5234.3HT	5334.3HT	5534.3-34.128HT
Ortolan/ACSS	1033.5	45/7	1.212	E33152HT	8134.134HT	9410.316	5134.134HT	33050HT	8034.134HT	4010.316	5034.134HT	5634.134HT	5834.134HT	5234.3HT	5334.3HT	5534.3-34.134HT
Curlew/ACSS	1033.5	54/7	1.245	E33154HT	8134.134HT	9414.432	5134.134HT	33052HT	8034.134HT	4014.432	5034.134HT	5634.134HT	5834.134HT	5234.3HT	5334.3HT	5534.3-34.134HT
Bluejay/ACSS	1113.0	45/7	1.259	E33155HT	8134.134HT	9412.332	5134.134HT	33053HT	8034.134HT	4012.332	5034.134HT	5634.134HT	5834.134HT	5234.3HT	5334.3HT	5534.3-34.134HT
Finch/ACSS	1113.0	54/19	1.293	E33157HT	8134.138CHT	E9614.453	5134.138HT	33055HT	8034.138HT	4014.453	5034.138HT	5634.138HT	5834.138HT	5234.3HT	5334.3HT	5534.3-34.138HT
Bunting/ACSS	1192.5	45/7	1.302	E33158HT	8134.138HT	E9512.344	5134.138HT	33056HT	8034.138HT	4012.344	5034.138HT	5634.138HT	5834.138HT	5234.3HT	5334.3HT	5534.3-34.138HT
Grackle/ACSS	1192.5	54/19	1.338	E33159HT	8136.144CHT	E9614.453	5136.144HT	33058HT	8036.144HT	4014.453	5036.144HT	5636.144HT	5836.144HT	5236.3HT	5336.3HT	5536.6-36.144HT
Bittern/ACSS	1272.0	45/7	1.345	E33161HT	8136.144HT	E9512.351	5136.144HT	33059HT	8036.144HT	4012.351	5036.144HT	5636.144HT	5836.144HT	5236.3HT	5336.3HT	5536.3-36.144HT
Diver/ACSS	1272.0	48/7	1.357	E33162HT	8136.144CHT	E9614.406	5136.144HT	33054HT	8036.144HT	4014.406	5036.144HT	5636.144HT	5836.144HT	5236.3HT	5336.3HT	5536.3-36.144HT
Pheasant/ACSS	1272.0	54/19	1.382	E33163HT	8136.147HT	E9616.500	5136.147HT	33061HT	8036.147HT	4016.500	5036.147HT	5636.147HT	5836.147HT	5236.3HT	5336.3HT	5536.3-36.147HT
Dipper/ACSS	1351.5	45/7	1.386	E33164HT	8136.147HT	E9612.377	5136.147HT	33062HT	8036.147HT	4012.377	5036.147HT	5636.147HT	5836.147HT	5236.3HT	5336.3HT	5536.3-36.147HT
Martin/ACSS	1351.5	54/19	1.424	E33166HT	8138.156HT	E9616.500	5138.156HT	33064HT	8038.156HT	4016.500	5038.156HT	5638.156HT	5838.156HT	5238.3HT	5338.3HT	5538.3-38.156HT
Bobolink/ACSS	1431.0	45/7	1.427	E33167HT	8138.150HT	E9612.377	5138.150HT	33065HT	8038.150HT	4012.377	5038.150HT	5638.150HT	5838.150HT	5238.3HT	5338.3HT	5538.3-38.150HT
Plover/ACSS	1431.0	54/19	1.465	E33169HT	8138.156HT	E9616.516	5138.156HT	33067HT	8038.156HT	4016.516	5038.156HT	5638.156HT	5838.156HT	5238.3HT	5338.3HT	5538.3-38.156HT
Nuthatch/ACSS	1510.0	45/7	1.466	E33170HT	8138.156HT	E9612.386	5138.156HT	33068HT	8038.156HT	4012.386	5038.156HT	5638.156HT	5838.156HT	5238.3HT	5338.3HT	5538.3-38.157HT
Parrot/ACSS	1510.0	54/19	1.505	E33172HT	8140.162HT	E9616.531	5140.162HT	33070HT	8040.162HT	4016.531	5040.162HT	5640.162HT	5840.162HT	5240.3HT	5340.3HT	5540.3-40.162HT
Ratite/ACSS	1590.0	42/7	1.492	E33171HT	8140.162HT	E9612.344	5140.162HT	33069HT	8040.162HT	4012.344	5040.162HT	5640.162HT	5840.162HT	5240.3HT	5340.3HT	5540.3-40.162HT
Lapwing/ACSS	1590.0	45/7	1.504	E33173HT	8140.162HT	E9612.397	5140.162HT	33071HT	8040.162HT	4012.397	5040.162HT	5640.162HT	5840.162HT	5240.3HT	5340.3HT	5540.3-40.162HT
Falcon/ACSS	1590.0	54/19	1.544	E33174HT	8140.162HT	E9718.546	5140.162HT	33072HT	8040.162HT	4018.546	5040.162HT	5640.162HT	5840.162HT	5240.3HT	5340.3HT	5540.3-40.162HT
Chukar/ACSS	1780.0	84/19	1.602	E33175HT	8142.178HT	E9714.453	5142.178HT	33073HT	8042.178HT	4014.453	5042.178HT	5642.178HT	5842.178HT	5242.3HT	5342.3HT	5542.3-42.178HT
Mockingbird/ACSS	2034.5	72/7	1.681	E33176HT	8142.178CHT	E9814.359	5142.178HT	33074HT	8042.178HT	4014.359	5042.178HT	5642.178HT	5842.178HT	5242.3HT	5342.3HT	5542.3-42.178HT
Roadrunner/ACSS	2057.0	76/19	1.700	E33177HT	8142.178CHT	E9814.422	5142.178HT	33075HT	8042.178HT	4014.422	5042.178HT	5642.178HT	5842.178HT	5242.3HT	5342.3HT	5542.3-42.178HT
Bluebird/ACSS	2156.0	84/19	1.762	E33178HT	8144.184HT	E9816.516	5144.184HT	33076HT	8044.184HT	4016.516	5044.184HT	5644.184HT	5844.184HT	5244.3HT	5344.3HT	5544.3-44.184HT
Kiwi/ACSS	2167.0	72/7	1.737	E33179HT	8144.181HT	E9812.377	5144.181HT	33077HT	8044.181HT	4012.377	5044.181HT	5644.181HT	5844.181HT	5244.3HT	5344.3HT	5544.3-44.181HT
Thrasher/ACSS	2312.0	76/19	1.802	E33180HT	8144.188HT	E9814.422	5144.188HT	33078HT	8044.188HT	4014.422	5044.188HT	5644.188HT	5844.188HT	5244.3HT	5344.3HT	5544.3-44.188HT
Joree/ACSS	2515.0	76/19	1.880	E33181HT	8148.197HT	E9814.453	5148.197HT	33080HT	8048.197HT	4014.453	5048.197HT	5648.197HT	5848.197HT	5248.3HT	5348.3HT	5548.3-48.197HT

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Quick Reference Guide for ACSS/TW Conductor

Conductor					Compression Accessories Catalog Numbers												
Code Name	Size kcmil	Type	Stranding Al/St	Dia. in	Dead End Assembly	Dead End Body-Single Tongue	Steel Eye	15° Terminal	Joint Assembly	Joint Aluminum Body	Joint Steel Sleeve	Jumper Connector	Straight Terminal	90° Terminal	Repair Sleeve	Open Run Tee Tap	Open Run Tee Connector
Oriole/ACSS/TW	336.4	23	18/7	0.693	E440693HT	8120.781HT	9110.332	5120.781HT	420693HT	8020.781HT	4010.332	5020.781HT	5620.781HT	5820.781HT	5220.3HT	5320.3HT	5520.3-20.781HT
Flicker/ACSS/TW	477.0	13	18/7	0.776	E440776HT	8124.938HT	9110.295	5124.938HT	420776HT	8024.938HT	4010.240	5024.938HT	5624.938HT	5824.938HT	5224.3HT	5324.3HT	5524.3-24.938HT
Hawk/ACSS/TW	477.0	16	18/7	0.789	E440789HT	8124.938HT	9112.332	5124.938HT	420789HT	8024.938HT	4012.332	5024.938HT	5624.938HT	5824.938HT	5224.3HT	5324.3HT	5524.3-24.938HT
Hen/ACSS/TW	477.0	23	18/7	0.825	E440825HT	8124.938CHT	9212.397	5124.938HT	420825HT	8024.938HT	4012.397	5024.938HT	5624.938HT	5824.938HT	5224.3HT	5324.3HT	5524.3-24.938HT
Parakeet/ACSS/TW	556.5	13	18/7	0.835	E440835HT	8124.969HT	9210.316	5124.969HT	420835HT	8024.969HT	4010.316	5024.969HT	5624.969HT	5824.969HT	5224.3HT	5324.3HT	5524.3-24.969HT
Dove/ACSS/TW	556.5	16	20/7	0.852	E440852HT	8124.969HT	9212.359	5124.969HT	420852HT	8024.969HT	4012.359	5024.969HT	5624.969HT	5824.969HT	5224.3HT	5324.3HT	5524.3-24.969HT
Calumet/ACSS/TW	565.3	16	18/7	0.858	E440858HT	8124.969HT	9212.359	5124.969HT	420858HT	8024.969HT	4012.359	5024.969HT	5624.969HT	5824.969HT	5224.3HT	5324.3HT	5524.3-24.969HT
Mohawk/ACSS/TW	571.7	13	18/7	0.846	E440846HT	8124.969HT	9212.332	5124.969HT	420846HT	8024.969HT	4012.332	5024.969HT	5624.969HT	5824.969HT	5224.3HT	5324.3HT	5524.3-24.969HT
Rook/ACSS/TW	636.0	13	19/7	0.890	E440890HT	8127.106HT	9212.344	5127.106HT	42089HT	8027.106HT	4012.344	5027.106HT	5627.106HT	5827.106HT	5227.3HT	5327.3HT	5527.3-27.106HT
Grosbeak/ACSS/TW	636.0	16	20/7	0.908	E440908HT	8127.106HT	9212.386	5127.106HT	420908HT	8027.106HT	4012.386	5027.106HT	5627.106HT	5827.106HT	5227.3HT	5327.3HT	5527.3-27.106HT
Scoter/ACSS/TW	636.0	23	18/7	0.953	E440953HT	8127.106HT	9214.484	5127.106HT	420953HT	8027.106HT	4014.484	5027.106HT	5627.106HT	5827.106HT	5227.3HT	5327.3HT	5527.3-27.106HT
Oswego/ACSS/TW	664.8	16	20/7	0.927	E440927HT	8127.106CHT	9312.391	5127.106HT	420927HT	8027.106HT	4012.391	5027.106HT	5627.106HT	5827.106HT	5227.3HT	5327.3HT	5527.3-27.106HT
Mystic/ACSS/TW	666.6	13	20/7	0.913	E440913HT	8127.106CHT	9312.351	5127.106HT	420913HT	8027.106HT	4012.351	5027.106HT	5627.106HT	5827.106HT	5227.3HT	5327.3HT	5527.3-27.106HT
Wabash/ACSS/TW	762.8	16	20/7	0.990	E440990HT	8130.116HT	9314.432	5130.116HT	420990HT	8030.116HT	4014.432	5030.116HT	5630.116HT	5830.116HT	5230.3HT	5330.3HT	5530.3-30.116HT
Maumee/ACSS/TW	768.2	13	20/7	0.977	E440977HT	8130.116HT	9314.381	5130.116HT	420977HT	8030.116HT	4014.381	5030.116HT	5630.116HT	5830.116HT	5230.3HT	5330.3HT	5530.3-30.116HT
Tern/ACSS/TW	795.0	7	17/7	0.960	E440960HT	8130.116HT	9310.277	5130.116HT	420960HT	8030.116HT	4010.277	5030.116HT	5630.116HT	5830.116HT	5230.3HT	5330.3HT	5530.3-30.116HT
Puffin/ACSS/TW	795.0	10	18/7	0.980	E440980HT	8130.116HT	9312.351	5130.116HT	420980HT	8030.116HT	4012.351	5030.116HT	5630.116HT	5830.116HT	5230.3HT	5330.3HT	5530.3-30.116HT
Condor/ACSS/TW	795.0	13	20/7	0.993	E440993HT	8130.116HT	9312.386	5130.116HT	420993HT	8030.116HT	4012.386	5030.116HT	5630.116HT	5830.116HT	5230.3HT	5330.3HT	5530.3-30.116HT
Drake/ACSS/TW	795.0	16	20/7	1.010	E441010HT	8130.122HT	9314.432	5130.122HT	421010HT	8030.122HT	4014.432	5030.122HT	5630.122HT	5830.122HT	5230.3HT	5330.3HT	5530.3-30.122HT
Canary/ACSS/TW	900.0	13	30/7	1.055	E441080HT	8130.122HT	9414.406	5130.122HT	421080HT	8030.122HT	4014.406	5030.122HT	5630.122HT	5830.122HT	5230.3HT	5330.3HT	5530.3-30.122HT
Fraser/ACSS/TW	946.7	10	35/7	1.077	E441077HT	8130.122HT	9412.359	5130.122HT	421077HT	8030.122HT	4012.359	5030.122HT	5630.122HT	5830.122HT	5230.3HT	5330.3HT	5530.3-30.122HT
Phoenix/ACSS/TW	954.0	5	30/7	1.044	E441044HT	8130.122HT	9412.277	5130.122HT	421044HT	8030.122HT	4012.277	5030.122HT	5630.122HT	5830.122HT	5230.3HT	5330.3HT	5530.3-30.122HT
Rail/ACSS/TW	954.0	7	32/7	1.061	E441061HT	8130.122HT	9410.323	5130.122HT	421061HT	8030.122HT	4010.323	5030.122HT	5630.122HT	5830.122HT	5230.3HT	5330.3HT	5530.3-30.122HT
Cardinal/ACSS/TW	954.0	13	20/7	1.084	E441084HT	8130.125HT	9414.422	5130.125HT	421084HT	8030.125HT	4014.422	5030.125HT	5630.125HT	5830.125HT	5230.3HT	5330.3HT	5530.3-30.125HT
Kettle/ACSS/TW	957.2	7	32/7	1.060	E441060HT	8130.122HT	9412.316	5130.122HT	421060HT	8030.122HT	4012.316	5030.122HT	5630.122HT	5830.122HT	5230.3HT	5330.3HT	5530.3-30.122HT
Suwannee/ACSS/TW	959.6	16	22/7	1.108	E441108HT	8130.122HT	9314.453	5130.122HT	421108HT	8030.122HT	4014.453	5030.122HT	5630.122HT	5830.122HT	5230.3HT	5330.3HT	5530.3-30.122HT
Columbia/ACSS/TW	966.2	13	21/7	1.092	E441092HT	8130.122HT	9414.441	5130.122HT	421092HT	8030.122HT	4014.441	5030.122HT	5630.122HT	5830.122HT	5230.3HT	5330.3HT	5530.3-30.122HT
Snowbird/ACSS/TW	1033.5	5	30/7	1.089	E441089HT	8134.128HT	9412.277	5134.128HT	421089HT	8034.128HT	4012.277	5034.128HT	5634.128HT	5834.128HT	5234.3HT	5334.3HT	5534.3-.34.128HT
Ortolan/ACSS/TW	1033.5	7	32/7	1.102	E441102HT	8134.128HT	9410.324	5134.128HT	421102HT	8034.128HT	4010.324	5034.128HT	5634.128HT	5834.128HT	5234.3HT	5334.3HT	5534.3-34.128HT
Curlew/ACSS/TW	1033.5	13	22/7	1.128	E441128HT	8134.134CHT	E9614.441	5134.134HT	421128HT	8034.134HT	4014.441	5034.134HT	5634.134HT	5834.134HT	5234.3HT	5334.3HT	5534.3-34.134HT
—	1080.0	7	20/7	1.131	E441131HT	8134.128HT	9412.332	5134.128HT	421131HT	8034.128HT	4012.332	5034.128HT	5634.128HT	5834.128HT	5234.3HT	5334.3HT	5534.3-34.128HT
Avocet/ACSS/TW	1113.0	5	30/7	1.129	E441129HT	8134.128HT	9412.290	5134.134HT	421129HT	8034.128HT	4012.290	5034.128HT	5634.128HT	5834.128HT	5234.3HT	5334.3HT	5534.3-34.128HT
Bluejay/ACSS/TW	1113.0	7	33/7	1.143	E441143HT	8134.134HT	E9512.332	5134.134HT	421143HT	8034.134HT	4012.332	5034.134HT	5634.134HT	5834.134HT	5234.3HT	5334.3HT	5534.3-34.134HT
Finch/ACSS/TW	1113.0	13	38/19	1.185	E441185HT	8134.134CHT	E9614.453	5134.134HT	421185HT	8034.134HT	4014.453	5034.134HT	5634.134HT	5834.134HT	5234.3HT	5334.3HT	5534.3-34.134HT
Genesee/ACSS/TW	1158.0	7	33/7	1.165	E441165HT	8134.134HT	9412.351	5134.134HT	421165HT	8034.134HT	4012.351	5034.134HT	5634.134HT	5834.134HT	5234.3HT	5334.3HT	5534.3-34.134HT
Hudson/ACSS/TW	1158.4	13	26/7	1.196	E441196HT	8134.138CHT	E9614.484	5134.138HT	421196HT	8034.138HT	4014.484	5034.138HT	5634.138HT	5834.138HT	5234.3HT	5334.3HT	5534.3-34.138HT
Cheyenne/ACSS/TW	1168.1	5	30/7	1.155	E441155HT	8134.134HT	9412.295	5134.134HT	421155HT	8034.134HT	4012.295	5034.134HT	5634.134HT	5834.134HT	5234.3HT	5334.3HT	5534.3-34.134HT
Oxbird/ACSS/TW	1192.5	5	30/7	1.167	E441167HT	8134.138HT	E9512.302	5134.138HT	421167HT	8034.138HT	4012.302	5034.138HT	5634.138HT	5834.138HT	5234.3HT	5334.3HT	5534.3-34.138HT
Bunting/ACSS/TW	1192.5	7	33/7	1.181	E441181HT	8134.138HT	E9512.344	5134.138HT	421181HT	8034.138HT	4012.344	5034.138HT	5634.138HT	5834.138HT	5234.3HT	5334.3HT	5534.3-34.138HT
Grackle/ACSS/TW	1192.5	13	38/19	1.225	E441225HT	8136.144CHT	E9614.484	5136.144HT	421225HT	8036.144HT	4014.484	5036.144HT	5636.144HT	5836.144HT	5236.3HT	5336.3HT	5536.3-36.144HT

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Quick Reference Guide for ACSS/TW Conductor (cont.)

Conductor					Compression Accessories Catalog Numbers												
Code Name	Size kcmil	Type	Stranding Al/St	Dia. in	Dead End Assembly	Dead End Body-Single Tongue	Steel Eye	15° Terminal	Joint Assembly	Joint Aluminum Body	Joint Steel Sleeve	Jumper Connector	Straight Terminal	90° Terminal	Repair Sleeve	Open Run Tee Tap	Open Run Tee Connector
Yukon/ACSS/TW	1233.6	13	38/19	1.245	E441245HT	8134.138CHT	E9614.500	5134.138HT	421245HT	8034.138HT	4014.500	5034.138HT	5634.138HT	5834.138HT	5234.3HT	5334.3HT	5534.3-34.138HT
Nelson/ACSS/TW	1257.1	7	35/7	1.213	E441213HT	8134.138HT	E9512.351	5134.138HT	421213HT	8034.138HT	4012.351	5034.138HT	5634.138HT	5834.138HT	5234.3HT	5334.3HT	5534.3-34.138HT
Scissortail/ACSS/TW	1272.0	5	30/7	1.202	E441202HT	8136.144HT	E9512.316	5136.144HT	421202HT	8036.144HT	4012.316	5036.144HT	5636.144HT	5836.144HT	5236.3HT	5336.3HT	5536.3-36.144HT
Catawba/ACSS/TW	1272.0	5	30/7	1.203	E441203HT	8134.138HT	E9512.316	5134.138HT	421203HT	8034.138HT	4012.351	5034.138HT	5634.138HT	5834.138HT	5234.3HT	5334.3HT	5534.3-34.138HT
Bittern/ACSS/TW	1272.0	7	35/7	1.220	E441220HT	8136.144HT	E9512.351	5136.144HT	421220HT	8036.144HT	4012.351	5036.144HT	5636.144HT	5836.144HT	5236.3HT	5336.3HT	5536.3-36.144HT
Pheasant/ACSS/TW	1272.0	13	39/19	1.264	E441264HT	8136.147HT	E9616.500	5136.147HT	421264HT	8036.147HT	4016.500	5036.147HT	5636.147HT	5836.147HT	5236.3HT	5336.3HT	5536.3-36.147HT
Thames/ACSS/TW	1334.6	13	39/19	1.290	E441290HT	8136.144CHT	E9614.516	5136.144HT	421290HT	8036.144HT	4014.516	5036.144HT	5636.144HT	5836.144HT	5236.3HT	5336.3HT	5536.3-36.144HT
Dipper/ACSS/TW	1351.5	7	35/7	1.256	E441256HT	8136.147HT	E9612.377	5136.147HT	421256HT	8036.147HT	4012.377	5036.147HT	5636.147HT	5836.147HT	5236.3HT	5336.3HT	5536.3-36.147HT
Martin/ACSS/TW	1351.5	13	39/19	1.300	E441300HT	8138.150HT	E9616.500	5138.150HT	421300HT	8038.150HT	4016.500	5038.150HT	5638.150HT	5838.150HT	5238.3HT	5338.3HT	5538.3-38.150HT
Mackenzie/ACSS/TW	1359.7	7	36/7	1.259	E441259HT	8136.144HT	E9512.359	5136.144HT	421259HT	8036.144HT	4012.359	5036.144HT	5636.144HT	5836.144HT	5236.3HT	5336.3HT	5536.3-36.144HT
Truckee/ACSS/TW	1372.5	5	30/7	1.248	E441248HT	8134.138HT	E9512.318	5134.138HT	421248HT	8034.138HT	4012.318	5034.138HT	5634.138HT	5834.138HT	5234.3HT	5334.3HT	5534.3-34.138HT
Bobolink/ACSS/TW	1431.0	7	36/7	1.291	E441291HT	8138.150HT	E9612.381	5138.150HT	421291HT	8038.150HT	4012.381	5038.150HT	5638.150HT	5838.150HT	5238.3HT	5338.3HT	5538.3-38.150HT
Plover/ACSS/TW	1431.0	13	37/19	1.337	E441337HT	8138.156HT	E9616.516	5138.156HT	421337HT	8038.156HT	4016.516	5038.156HT	5638.156HT	5838.156HT	5238.3HT	5338.3HT	5538.3-38.156HT
Merrimack/ACSS/TW	1433.6	13	39/19	1.340	E441340HT	8138.156HT	E9616.521	5138.156HT	421340HT	8038.156HT	4016.521	5038.156HT	5638.156HT	5838.156HT	5238.3HT	5338.3HT	5538.3-38.156HT
Miramichi/ACSS/TW	1455.3	7	36/7	1.302	E441302HT	8138.156HT	E9614.397	5138.156HT	421302HT	8038.156HT	4014.397	5038.156HT	5638.156HT	5838.156HT	5238.3HT	5338.3HT	5538.3-38.156HT
St. Croix/ACSS/TW	1467.8	5	33/7	1.292	E441292HT	8138.156HT	E9612.332	5138.156HT	421292HT	8038.156HT	4012.332	5038.156HT	5638.156HT	5838.156HT	5238.3HT	5338.3HT	5538.3-38.156HT
Rio Grande/ACSS/TW	1533.3	13	39/19	1.382	E441382HT	8138.156HT	E9616.546	5138.156HT	421382HT	8038.156HT	4016.546	5038.156HT	5638.156HT	5838.156HT	5238.3HT	5338.3HT	5538.3-38.156HT
Potomac/ACSS/TW	1557.4	7	36/7	1.345	E441345HT	8138.156HT	E9614.406	5138.156HT	421345HT	8038.156HT	4014.406	5038.156HT	5638.156HT	5838.156HT	5238.3HT	5338.3HT	5538.3-38.156HT
Platte/ACSS/TW	1569.0	5	33/7	1.334	E441334HT	8138.156HT	E9612.337	5138.156HT	421334HT	8038.156HT	4012.337	5038.156HT	5638.156HT	5838.156HT	5238.3HT	5338.3HT	5538.3-38.156HT
Lapwing/ACSS/TW	1590.0	7	36/7	1.358	E441358HT	8140.162HT	E9612.397	5140.162HT	421358HT	8040.162HT	4012.397	5040.162HT	5640.162HT	5840.162HT	5240.3HT	5340.3HT	5540.3-40.162HT
Falcon/ACSS/TW	1590.0	13	42/19	1.408	E441408HT	8140.162HT	E9718.546	5140.162HT	421408HT	8040.162HT	4018.546	5040.162HT	5640.162HT	5840.162HT	5240.3HT	5340.3HT	5540.3-40.162HT
Pecos/ACSS/TW	1622.0	13	39/19	1.424	E441424HT	8140.162HT	E9718.578	5140.162HT	421424HT	8040.162HT	4018.578	5040.162HT	5640.162HT	5840.162HT	5240.3HT	5340.3HT	5540.3-40.162HT
Schuylkill/ACSS/TW	1657.4	7	36/7	1.386	E441386HT	8140.162HT	E9614.422	5140.162HT	421386HT	8040.162HT	4014.422	5040.162HT	5640.162HT	5840.162HT	5240.3HT	5340.3HT	5540.3-40.162HT
James/ACSS/TW	1730.6	13	34/19	1.470	E441470HT	8142.168HT	E9718.578	5142.168HT	421470HT	8042.168HT	4018.578	5042.168HT	5642.168HT	5842.168HT	5242.3HT	5342.3HT	5542.3-40.168HT
Pee Dee/ACSS/TW	1758.6	7	37/7	1.427	E441427HT	8140.162HT	E9714.432	5140.162HT	421427HT	8040.162HT	4014.432	5040.162HT	5640.162HT	5840.168HT	5240.3HT	5340.3HT	5540.3-40.162HT
Chukar/ACSS/TW	1780.0	8	37/19	1.445	E441445HT	8142.178HT	E9714.453	5142.178HT	421445HT	8042.178HT	4014.453	5042.178HT	5642.178HT	5842.178HT	5242.3HT	5342.3HT	5542.3-42.178HT
Cumberland/ ACSS/TW	1926.9	13	42/19	1.545	E441545HT	8142.178HT	E9718.609	5142.178HT	421545HT	8042.178HT	4018.609	5042.178HT	5642.178HT	5842.178HT	5242.3HT	5342.3HT	5542.3-42.178HT
Athabaska/ACSS/TW	1949.6	7	42/7	1.504	E441504HT	8142.178HT	E9714.453	5142.178HT	421504HT	8042.178HT	4014.453	5042.178HT	5642.178HT	5842.178HT	5242.3HT	5342.3HT	5542.3-42.178HT
Powder/ACSS/TW	2153.8	8	64/19	1.602	E441602HT	8144.184CHT	E9814.516	5144.184HT	421602HT	8044.184HT	4014.516	5044.184HT	5644.184HT	5844.184HT	5244.3HT	5344.3HT	5544.3-44.184HT
Bluebird/ACSS/TW	2156.0	8	64/19	1.608	E441608HT	8144.184HT	E9816.516	5144.184HT	421608HT	8044.184HT	4016.516	5044.184HT	5644.184HT	5844.184HT	5244.3HT	5344.3HT	5544.3-44.184HT
Santee/ACSS/TW	2627.3	8	64/19	1.762	E441762HT	8148.191HT	E9816.578	5148.191HT	421762HT	8048.191HT	4016.578	5048.191HT	5648.191HT	5848.191HT	5248.3HT	5348.3HT	5548.3-48.191HT

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Solo HD® Compression Dead End for ACSR and ACSS Conductors, Eye and Clevis Type, Single Tongue



This Dead End Assembly is specifically designed for use on both ACSR and ACSS conductors. The body of the Solo HD Dead End is fabricated from a specially tempered aluminum that will transfer elevated current and dissipate increased heat more efficiently.

The tongue and terminal pad are constructed with a 15º angle, which permits the terminal connector to be bolted in the straight or 30º position. Its innovative design provides a solid, void-free compression through the complete unit with once set of dies, reducing the total quantity of compressions and installation time by almost half when compared to the of the ones required by the two die compression systems while keeping the same reliable and proven performance.

All Solo HD Dead Ends are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor. Each deadend assembly comes with terminal and aluminum hardware.

For die sizes 30AH and above, the end tapers of the compression portions of all compression accessories are supplied with a high voltage finish. Corona bolts are furnished as standard on 15º terminals for these die sizes.

The square edges of the bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix "EHV".

Benefits

- **Half the Installation Time**
  Using an innovative core gripping system that allows a single die to compress the outer aluminum barrel to grip both the steel core as well as the aluminum strands, utilizing the same Aluminum Hex (AH) die set.
- **No Filler Compound Required**
  By creating a practically void-free compression, eliminating ingress of water, and using steels that eliminate the exposure of raw steel after, thereby eliminating rust and corrosion, AFL has removed variability of the amount of compound being placed in each connector.
- **Joints Travel Over Sheaves**
  Enhancing speed of installation, full tension joints can travel through sheaves without impact to the performance of the connector, allowing for more conductor to be strung from a single location.
- **Same Install Method**
  With no new tools required, installation crews do not require training on new compression tools.
- **One Connector**
  Assembly can be used for both ACSS and ACSR type conductors, eliminating the need for multiple part numbers.
- **Same Compression Die Set**
  The Aluminum Hex (AH) die size remains the same as that of the standard AFL two-die system used today and eliminates the need for the Steel Hex (SH) dies altogether.
- **Same Compression Tools**
  By using the same compression pumps and presses, AFL does not require the need for a large investment in both the tools and training.

Qualifications

GOVERNING BODY	STANDARD CODE
ANSI	C119.4

Contact AFL for further details.

continued

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Solo HD® Compression Dead End for ACSR and ACSS Conductors, Eye and Clevis Type, Single Tongue

Ordering Information

Assembly Catalog No. **Terminal Connector** **EHV Finish**

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

For a clevis application substitute the E for a C:
SDES-AS: EYE TERMINATION
SDCS-AS: CLEVIS TERMINATION

Step 2: Terminal Connector
For an assembly without a terminal connector, use "NT".
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish
For Extra High Voltage Finish, use "EHV". (> 345 kV).
For Standard Finish, leave blank. (< 345 kV)

Step 4: Assemble Catalog Number

EXAMPLE: For 795 Drake ACSS Conductor with no terminal and EHV finish, the complete catalog number is: **SDES-AS142HTNTEHV**

Notes
For instructions, see Solo HD ACSR/ACSS/ACSS-TW Dead End installation instructions INS-ACA116 on page 44.

ASSEMBLY CATALOG NO.	CONDUCTORS					ALUMINUM HEX DIES
	ACSR AND ACSS	SIZE	STRAND		DIAMETER	
		KCMIL	AL	ST		
SDES-AS109HT	WOODCOCK	336.4	22	7	0.701	20AH
SDES-AS113HT	LINNET	336.4	26	7	0.720	20AH
SDES-AS114HT	ORIOLE	336.4	30	7	0.741	20AH
SDES-AS185HT	CHICKADEE	397.5	18	1	0.743	20AH
SDES-AS115HT	PTARMIGAN	397.5	20	7	0.752	20AH
SDES-AS116HT	BRANT	397.5	24	7	0.772	20AH
SDES-AS117HT	IBIS	397.5	26	7	0.783	20AH
SDES-AS118HT	LARK	397.5	30	7	0.806	20AH
SDES-AS186HT	PELICAN	477.0	18	1	0.814	24AH
SDES-AS119HT	TAILORBIRD	477.0	20	7	0.823	20AH
SDES-AS120HT	FLICKER	477.0	24	7	0.846	24AH
SDES-AS121HT	HAWK	477.0	26	7	0.858	24AH
SDES-AS122HT	HEN	477.0	30	7	0.883	24AH
SDES-AS187HT	OSPREY	556.5	18	1	0.879	24AH
SDES-AS123HT	SAPSUCKER	556.5	22	7	0.901	24AH
SDES-AS124HT	PARAKEET	556.5	24	7	0.914	24AH
SDES-AS125HT	DOVE	556.5	26	7	0.927	27AH
SDES-AS126HT	EAGLE	556.5	30	7	0.953	27AH
SDES-AS127HT	PEACOCK	605.0	24	7	0.953	27AH
SDES-AS128HT	SQUAB	605.0	26	7	0.966	27AH
SDES-AS130HT	WOOD/DUCK	605.0	30	7	0.994	27AH
SDES-AS129HT	TEAL	605.0	30	19	0.994	27AH
SDES-AS188HT	SWIFT	636.0	36	1	0.930	27AH
SDES-AS189HT	KINGBIRD	636.0	18	1	0.940	27AH
SDES-AS131HT	GOLDFINCH	636.0	22	7	0.963	27AH
SDES-AS132HT	ROOK	636.0	24	7	0.977	27AH
SDES-AS133HT	GROSBEAK	636.0	26	7	0.990	27AH
SDES-AS182HT	SCOTER	636.0	30	7	1.019	27AH
SDES-AS134HT	EGRET	636.0	30	19	1.019	27AH

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Solo HD® Compression Dead End for ACSR and ACSS Conductors, Eye and Clevis Type, Single Tongue

AFL NO.	CONDUCTORS					ALUMINUM HEX DIES
	ACSR AND ACSS	SIZE	STRAND		DIAMETER	
		KCMIL	AL	ST		
SDES-AS135HT	FLAMINGO	666.6	24	7	1.000	27AH
SDES-AS183HT	GANNET	666.6	26	7	1.014	27AH
SDES-AS136HT	STILT	715.5	24	7	1.036	30AH
SDES-AS137HT	STARLING	715.5	26	7	1.051	30AH
SDES-AS138HT	REDWING	715.5	30	19	1.081	30AH
SDES-AS190HT	COOT	795.0	36	1	1.040	30AH
SDES-AS141HT	CUCKOO	795.0	24	7	1.092	30AH
SDES-AS142HT	DRAKE	795.0	26	7	1.108	30AH
SDES-AS144HT	MACAW	795.0	42	7	1.055	30AH
SDES-AS140HT	TERN	795.0	45	7	1.063	30AH
SDES-AS141HT	CONDOR	795.0	54	7	1.092	30AH
SDES-AS143HT	MALLARD	795.0	30	19	1.14	30AH
SDES-AS145HT	RUDDY	900.0	45	7	1.131	30AH
SDES-AS146HT	CANARY	900.0	54	7	1.162	30AH
SDES-AS191HT	CATBIRD	954.0	36	1	1.14	30AH
SDES-AS147HT	CORNCRAKE	954.0	20	7	1.165	30AH
SDES-AS184HT	REDBIRD	954.0	24	7	1.196	30AH
SDES-AS148HT	RAIL	954.0	45	7	1.165	30AH
SDES-AS149HT	TOWHEE	954.0	48	7	1.175	30AH
SDES-AS150HT	CARDINAL	954.0	54	7	1.196	30AH
SDES-AS151HT	CANVASBACK	954.0	30	19	1.248	34AH
SDES-AS192HT	TANAGER	1033.5	36	1	1.186	30AH
SDES-AS153HT	SNOWBIRD	1033.5	42	7	1.203	34AH
SDES-AS152HT	ORTOLAN	1033.5	45	7	1.212	34AH
SDES-AS154HT	CURLEW	1033.5	54	7	1.245	34AH
SDES-AS155HT	BLUEJAY	1113.0	45	7	1.259	34AH
SDES-AS157HT	FINCH	1113.0	54	19	1.293	34AH
SDES-AS158HT	BUNTING	1192.5	45	7	1.302	34AH
SDES-AS159HT	GRACKLE	1192.5	54	19	1.338	36AH
SDES-AS161HT	BITTERN	1272.0	45	7	1.345	36AH
SDES-AS162HT	DIVER	1272.0	48	7	1.357	36AH
SDES-AS163HT	PHEASANT	1272.0	54	19	1.382	36AH
SDES-AS164HT	DIPPER	1351.5	45	7	1.386	36AH
SDES-AS166HT	MARTIN	1351.5	54	19	1.424	38AH
SDES-AS167HT	BOBOLINK	1431.0	45	7	1.427	38AH
SDES-AS169HT	PLOVER	1431.0	54	19	1.465	38AH
SDES-AS170HT	NUTHATCH	1510.0	45	7	1.466	38AH
SDES-AS172HT	PARROT	1510.0	54	19	1.505	40AH
SDES-AS171HT	RATITE	1590.0	42	7	1.492	40AH
SDES-AS173HT	LAPWING	1590.0	45	7	1.504	40AH
SDES-AS174HT	FALCON	1590.0	54	19	1.544	40AH
SDES-AS175HT	CHUKAR	1780.0	84	19	1.602	42AH
SDES-AS176HT	MOCKINGBIRD	2034.5	72	7	1.681	42AH
SDES-AS177HT	ROADRUNNER	2057.0	76	19	1.700	42AH
SDES-AS178HT	BLUEBIRD	2156.0	84	19	1.762	44AH
SDES-AS179HT	KIWI	2167.0	72	7	1.735	44AH
SDES-AS180HT	THRASHER	2312.0	76	19	1.802	44AH
SDES-AS181HT	JOREE	2515.0	76	19	1.880	48AH

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Solo HD® Compression Dead End for ACSR and ACSS Conductor, Eye and Clevis Type, Double Tongue



This Double Tongue Dead End Assembly is specifically designed for ACSR and ACSS conductor. The body of the Solo HD Dead Ends are fabricated from a specially tempered aluminum that will transfer elevated current and dissipate increased heat more efficiently.
The tongue and terminal pad are constructed with a 15º angle, which permits the terminal connector to be bolted in the straight or 30º position. Its innovative design provides a solid, void-free compression through the complete unit with once set of dies, reducing the total quantity of compressions and installation time by almost ½ when compared to the of the ones required by the two die compression systems while keeping the same reliable and proven performance.

All Solo HD Dead Ends are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor. Each dead end assembly comes with two 15º terminals and aluminum hardware.

For die sizes 30AH and above, the end tapers of the compression portions of all compression accessories are supplied with a high voltage finish. Corona bolts are furnished as standard on 15º terminals for these die sizes.

The square edges of the bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix "EHV".

Benefits

- **Half the Installation Time**
  Using an innovative core gripping system that allows a single die to compress the outer aluminum barrel to grip both the steel core as well as the aluminum strands, utilizing the same Aluminum Hex (AH) die set.
- **No Filler Compound Required**
  By creating a practically void-free compression, eliminating ingress of water, and using steels that eliminate the exposure of raw steel after, thereby eliminating rust and corrosion, AFL has removed variability of the amount of compound being placed in each connector.
- **Joints Travel Over Sheaves**
  Enhancing speed of installation, full tension joints can travel through sheaves without impact to the performance of the connector, allowing for more conductor to be strung from a single location.
- **Same Install Method**
  With no new tools required, installation crews do not require training on new compression tools.
- **One Connector**
  Assembly can be used for both ACSS and ACSR type conductors, eliminating the need for multiple part numbers.
- **Same Compression Die Set**
  The Aluminum Hex (AH) die size remains the same as that of the standard AFL two-die system used today and eliminates the need for the Steel Hex (SH) dies altogether.
- **Same Compression Tools**
  By using the same compression pumps and presses, AFL does not require the need for a large investment in both the tools and training.

Qualifications

GOVERNING BODY	STANDARD CODE
ANSI	C119.4

Contact AFL for further details.

continued

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Solo HD® Compression Dead End for ACSR and ACSS Conductor, Eye and Clevis Type, Double Tongue

Ordering Information

Assembly Catalog No. **Terminal Connector** **EHV Finish**

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

For a clevis application substitute the E for a C:
SDED-AS: EYE TERMINATION
SDCD-AS: CLEVIS TERMINATION

Step 2: Terminal Connector

For an assembly without a terminal connector, use "NT".
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish

For Extra High Voltage Finish, use "EHV". (> 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 4: Assemble Catalog Number

EXAMPLE: For 795 Drake ACSS Conductor with no terminal and EHV finish, the complete catalog number is: **SDED-AS142HTNTEHV**

Notes

For instructions, see Solo HD ACSR/ACSS/ACSS-TW Dead End installation instructions INS-ACA116 on page 44.

ASSEMBLY CATALOG NO.	CONDUCTORS					ALUMINUM HEX DIES
	ACSR AND ACSS	SIZE	STRAND		DIAMETER	
		KCMIL	AL	ST		
SDED-AS109HT	WOODCOCK	336.4	22	7	0.701	20AH
SDED-AS113HT	LINNET	336.4	26	7	0.720	20AH
SDED-AS114HT	ORIOLE	336.4	30	7	0.741	20AH
SDED-AS185HT	CHICKADEE	397.5	18	1	0.743	20AH
SDED-AS115HT	PTARMIGAN	397.5	20	7	0.752	20AH
SDED-AS116HT	BRANT	397.5	24	7	0.772	20AH
SDED-AS117HT	IBIS	397.5	26	7	0.783	20AH
SDED-AS118HT	LARK	397.5	30	7	0.806	20AH
SDED-AS186HT	PELICAN	477.0	18	1	0.814	24AH
SDED-AS119HT	TAILORBIRD	477.0	20	7	0.823	20AH
SDED-AS120HT	FLICKER	477.0	24	7	0.846	24AH
SDED-AS121HT	HAWK	477.0	26	7	0.858	24AH
SDED-AS122HT	HEN	477.0	30	7	0.883	24AH
SDED-AS187HT	OSPREY	556.5	18	1	0.879	24AH
SDED-AS123HT	SAPSUCKER	556.5	22	7	0.901	24AH
SDED-AS124HT	PARAKEET	556.5	24	7	0.914	24AH
SDED-AS125HT	DOVE	556.5	26	7	0.927	27AH
SDED-AS126HT	EAGLE	556.5	30	7	0.953	27AH
SDED-AS127HT	PEACOCK	605.0	24	7	0.953	27AH
SDED-AS128HT	SQUAB	605.0	26	7	0.966	27AH
SDED-AS130HT	WOOD/DUCK	605.0	30	7	0.994	27AH
SDED-AS129HT	TEAL	605.0	30	19	0.994	27AH
SDED-AS188HT	SWIFT	636.0	36	1	0.930	27AH
SDED-AS189HT	KINGBIRD	636.0	18	1	0.940	27AH
SDED-AS131HT	GOLDFINCH	636.0	22	7	0.963	27AH
SDED-AS132HT	ROOK	636.0	24	7	0.977	27AH
SDED-AS133HT	GROSBEAK	636.0	26	7	0.990	27AH
SDED-AS182HT	SCOTER	636.0	30	7	1.019	27AH
SDED-AS134HT	EGRET	636.0	30	19	1.019	27AH

continued

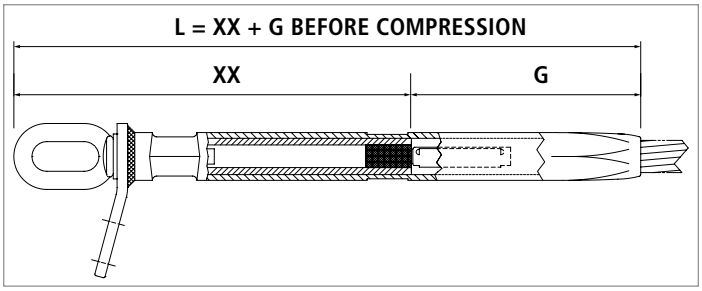
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Solo HD® Compression Dead End for ACSR and ACSS Conductor, Eye and Clevis Type, Double Tongue

AFL NO.	CONDUCTORS					ALUMINUM HEX DIES
	ACSR AND ACSS	SIZE	STRAND		DIAMETER	
		KCMIL	AL	ST		
SDED-AS135HT	FLAMINGO	666.6	24	7	1.000	27AH
SDED-AS183HT	GANNET	666.6	26	7	1.014	27AH
SDED-AS136HT	STILT	715.5	24	7	1.036	30AH
SDED-AS137HT	STARLING	715.5	26	7	1.051	30AH
SDED-AS138HT	REDWING	715.5	30	19	1.081	30AH
SDED-AS190HT	COOT	795.0	36	1	1.040	30AH
SDED-AS141HT	CUCKOO	795.0	24	7	1.092	30AH
SDED-AS142HT	DRAKE	795.0	26	7	1.108	30AH
SDED-AS144HT	MACAW	795.0	42	7	1.055	30AH
SDED-AS140HT	TERN	795.0	45	7	1.063	30AH
SDED-AS141HT	CONDOR	795.0.0	54	7	1.092	30AH
SDED-AS143HT	MALLARD	795	30	19	1.140	30AH
SDED-AS145HT	RUDDY	900.0	45	7	1.131	30AH
SDED-AS146HT	CANARY	900.0	54	7	1.162	30AH
SDED-AS191HT	CATBIRD	954.0	36	1	1.140	30AH
SDED-AS147HT	CORNCRAKE	954.0	20	7	1.165	30AH
SDED-AS184HT	REDBIRD	954.0	24	7	1.196	30AH
SDED-AS148HT	RAIL	954.0	45	7	1.165	30AH
SDED-AS149HT	TOWHEE	954.0	48	7	1.175	30AH
SDED-AS150HT	CARDINAL	954.0	54	7	1.196	30AH
SDED-AS151HT	CANVASBACK	954.0	30	19	1.248	34AH
SDED-AS192HT	TANAGER	1033.5	36	1	1.186	30AH
SDED-AS153HT	SNOWBIRD	1033.5	42	7	1.203	34AH
SDED-AS152HT	ORTOLAN	1033.5	45	7	1.212	34AH
SDED-AS154HT	CURLEW	1033.5	54	7	1.245	34AH
SDED-AS155HT	BLUEJAY	1113.0	45	7	1.259	34AH
SDED-AS157HT	FINCH	1113.0	54	19	1.293	34AH
SDED-AS158HT	BUNTING	1192.5	45	7	1.302	34AH
SDED-AS159HT	GRACKLE	1192.5	54	19	1.338	36AH
SDED-AS161HT	BITTERN	1272.0	45	7	1.345	36AH
SDED-AS162HT	DIVER	1272.0	48	7	1.357	36AH
SDED-AS163HT	PHEASANT	1272.0	54	19	1.382	36AH
SDED-AS164HT	DIPPER	1351.5	45	7	1.386	36AH
SDED-AS166HT	MARTIN	1351.5	54	19	1.424	38AH
SDED-AS167HT	BOBOLINK	1431.0	45	7	1.427	38AH
SDED-AS169HT	PLOVER	1431.0	54	19	1.465	38AH
SDED-AS170HT	NUTHATCH	1510.0	45	7	1.466	38AH
SDED-AS172HT	PARROT	1510.0	54	19	1.505	40AH
SDED-AS171HT	RATITE	1590.0	42	7	1.492	40AH
SDED-AS173HT	LAPWING	1590.0	45	7	1.504	40AH
SDED-AS174HT	FALCON	1590.0	54	19	1.544	40AH
SDED-AS175HT	CHUKAR	1780.0	84	19	1.602	42AH
SDED-AS176HT	MOCKINGBIRD	2034.5	72	7	1.681	42AH
SDED-AS177HT	ROADRUNNER	2057.0	76	19	1.700	42AH
SDED-AS178HT	BLUEBIRD	2156.0	84	19	1.762	44AH
SDED-AS179HT	KIWI	2167.0	72	7	1.735	44AH
SDED-AS180HT	THRASHER	2312.0	76	19	1.802	44AH
SDED-AS181HT	JOREE	2515.0	76	19	1.880	48AH

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Solo HD Replacement Compression Dead End for ACSR and ACSS Conductors, SDESR Series



The Solo HD Replacement Dead Ends are used to replace damaged conductor and dead ends at the end of a span. They are designed for fast and easy installation, requiring only the AH compression die set. By using a high strength alloy, the compression length has been shortened for less compression bites, while maintaining a minimum 95% of the ASTM rated strength. The replacement dead end does not require filler compound, eliminating an installation step.

The square edges of the bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix "EHV." Each dead end assembly comes with terminal and aluminum hardware, unless no terminal (NT) is used in the part number. The tongue and terminal pad are constructed with a 15° angle, which permits a terminal connector to be bolted in the straight or 30° position.

The end tapers of all compression accessories are supplied with a high voltage finish for die size sections 30AH and above.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector

For an assembly without a terminal connector, use "NT".
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish

For Extra High Voltage Finish, use "EHV". (> 345 kV). For Standard Finish, leave blank. (< 345 kV)

Step 4: Determine Length of Span Removal (XX)

Determine the length of existing dead end and/or conductor (XX) that will be cut out, to the nearest inch (Maximum 60").

Step 5: Assemble Catalog Number

Catalog Number + **Removed Conductor Length (XX)** + **(No) Terminal Connector** + **EHV Finish**

Example:

A replacement compression dead end for 795 Drake conductor with no terminal, EHV finish and a removed conductor length of 24 inches, the complete catalog number is:

SDES-AS142HTR24NTEHV

Notes:

1. Assembly Catalog Number includes one aluminum body, one terminal, and one eye/core grip.
2. Installation Instructions for Compression Joints (INS-ACA116) are on page 44 in this catalog.
3. For more information on die selection and ordering instructions, see Tools and Equipment section of the AFL Transmission and Distribution catalog.

ASSEMBLY CATALOG NUMBER	CONDUCTOR					ALUMINUM HEX DIES SIZE	DIMENSION G	
	ACSR AND ACSS	SIZE	STRANDING		DIAMETER			
		KCMIL	AL	ST	IN		IN	MM
SDES-AS109HTRXX	WOODCOCK	336.4	22	7	0.701	20AH	13.2	335
SDES-AS113HTRXX	LINNET	336.4	26	7	0.720	20AH	13.5	343
SDES-AS114HTRXX	ORIOLE	336.4	30	7	0.741	20AH	13.8	351
SDES-AS185HTRXX	CHICKADEE	397.5	18	1	0.743	20AH	13.8	351
SDES-AS115HTRXX	PTARMIGAN	397.5	20	7	0.752	20AH	13.8	351
SDES-AS116HTRXX	BRANT	397.5	24	7	0.772	20AH	13.9	353
SDES-AS117HTRXX	IBIS	397.5	26	7	0.783	20AH	13.9	353
SDES-AS118HTRXX	LARK	397.5	30	7	0.806	20AH	13.9	353
SDES-AS186HTRXX	PELICAN	477.0	18	1	0.814	24AH	14.6	371
SDES-AS119HTRXX	TAILORBIRD	477.0	20	7	0.823	20AH	14.5	368
SDES-AS120HTRXX	FLICKER	477.0	24	7	0.846	24AH	14.3	363
SDES-AS121HTRXX	HAWK	477.0	26	7	0.858	24AH	14.6	371
SDES-AS122HTRXX	HEN	477.0	30	7	0.883	24AH	14.3	363
SDES-AS187HTRXX	OSPREY	556.5	18	1	0.879	24AH	13.4	340

continued

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Solo HD Replacement Compression Dead End for ACSS and ACSR Conductors, SDESR Series

ASSEMBLY CATALOG NUMBER	CONDUCTOR					ALUMINUM HEX DIES SIZE	DIMENSION G	
	ACSR AND ACSS	SIZE	STRANDING		DIAMETER			
		KCMIL	AL	ST	IN		IN	MM
SDES-AS123HTRXX	SAPSUCKER	556.5	22	7	0.901	24AH	14.1	358
SDES-AS124HTRXX	PARAKEET	556.5	24	7	0.914	24AH	14.6	371
SDES-AS125HTRXX	DOVE	556.5	26	7	0.927	27AH	14.9	378
SDES-AS126HTRXX	EAGLE	556.5	30	7	0.953	27AH	15.1	384
SDES-AS127HTRXX	PEACOCK	605.0	24	7	0.953	27AH	15.1	384
SDES-AS128HTRXX	SQUAB	605.0	26	7	0.966	27AH	15.1	384
SDES-AS130HTRXX	WOOD DUCK	605.0	30	7	0.994	27AH	15.1	384
SDES-AS129HTRXX	TEAL	605.0	30	19	0.994	27AH	15.1	384
SDES-AS188HTRXX	SWIFT	636.0	36	1	0.930	27AH	15.1	384
SDES-AS189HTRXX	KINGBIRD	636.0	18	1	0.940	27AH	15.1	384
SDES-AS131HTRXX	GOLDFINCH	636.0	22	7	0.963	27AH	15.2	386
SDES-AS132HTRXX	ROOK	636.0	24	7	0.977	27AH	15.4	391
SDES-AS133HTRXX	GROSBEAK	636.0	26	7	0.990	27AH	15.9	404
SDES-AS182HTRXX	SCOTER	636.0	30	7	1.019	27AH	15.9	404
SDES-AS134HTRXX	EGRET	636.0	30	19	1.019	27AH	15.9	404
SDES-AS135HTRXX	FLAMINGO	666.6	24	7	1.000	27AH	15.4	391
SDES-AS183HTRXX	GANNET	666.6	26	7	1.014	27AH	16.4	417
SDES-AS136HTRXX	STILT	715.5	24	7	1.036	30AH	16.4	417
SDES-AS137HTRXX	STARLING	715.5	26	7	1.051	30AH	16.4	417
SDES-AS138HTRXX	REDWING	715.5	30	19	1.081	30AH	16.4	417
SDES-AS190HTRXX	COOT	795.0	36	1	1.040	30AH	16.4	417
SDES-AS141HTRXX	CUCKOO	795.0	24	7	1.092	30AH	16.4	417
SDES-AS142HTRXX	DRAKE	795.0	26	7	1.108	30AH	16.5	419
SDES-AS144HTRXX	MACAW	795.0	42	7	1.055	30AH	16.5	419
SDES-AS140HTRXX	TERN	795.0	45	7	1.063	30AH	15.4	391
SDES-AS141HTRXX	CONDOR	795.0	54	7	1.092	30AH	16.4	417
SDES-AS143HTRXX	MALLARD	795.0	30	19	1.140	30AH	17.8	452
SDES-AS145HTRXX	RUDDY	900.0	45	7	1.131	30AH	16.2	411
SDES-AS146HTRXX	CANARY	900.0	54	7	1.162	30AH	16.8	427
SDES-AS191HTRXX	CATBIRD	954.0	36	1	1.140	30AH	16.1	409
SDES-AS147HTRXX	CORNCRAKE	954.0	20	7	1.165	30AH	16.1	409
SDES-AS184HTRXX	REDBIRD	954.0	24	7	1.196	30AH	16.1	409
SDES-AS148HTRXX	RAIL	954.0	45	7	1.165	30AH	16.1	409
SDES-AS149HTRXX	TOWHEE	954.0	48	7	1.175	30AH	19.1	485
SDES-AS150HTRXX	CARDINAL	954.0	54	7	1.196	30AH	20.6	523
SDES-AS151HTRXX	CANVASBACK	954.0	30	19	1.248	34AH	19.1	485
SDES-AS192HTRXX	TANAGER	1033.5	36	1	1.186	30AH	18.2	462
SDES-AS153HTRXX	SNOWBIRD	1033.5	42	7	1.203	34AH	18.2	462
SDES-AS152HTRXX	ORTOLAN	1033.5	45	7	1.212	34AH	17.4	442
SDES-AS154HTRXX	CURLEW	1033.5	54	7	1.245	34AH	18.2	462
SDES-AS155HTRXX	BLUEJAY	1113.0	45	7	1.259	34AH	17.1	434
SDES-AS157HTRXX	FINCH	1113.0	54	19	1.293	34AH	18.1	460
SDES-AS158HTRXX	BUNTING	1192.5	45	7	1.302	34AH	18.1	460
SDES-AS159HTRXX	GRACKLE	1192.5	54	19	1.338	36AH	18.1	460
SDES-AS161HTRXX	BITTERN	1272.0	45	7	1.345	36AH	17.8	452
SDES-AS162HTRXX	DIVER	1272.0	48	7	1.357	36AH	17.8	452
SDES-AS163HTRXX	PHEASANT	1272.0	54	19	1.382	36AH	19.1	485
SDES-AS164HTRXX	DIPPER	1351.5	45	7	1.386	36AH	18.4	467

continued →

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Solo HD Replacement Compression Dead End for ACSS and ACSR Conductors, SDESR Series

ASSEMBLY CATALOG NUMBER	CONDUCTOR					ALUMINUM HEX DIES SIZE	DIMENSION G	
	ACSR AND ACSS	SIZE	STRANDING		DIAMETER			
		KCMIL	AL	ST	IN		IN	MM
SDES-AS166HTRXX	MARTIN	1351.5	54	19	1.424	38AH	19.5	495
SDES-AS167HTRXX	BOBOLINK	1431.0	45	7	1.427	38AH	19.5	495
SDES-AS169HTRXX	PLOVER	1431.0	54	19	1.465	38AH	19.5	495
SDES-AS170HTRXX	NUTHATCH	1510.0	45	7	1.466	38AH	19.5	495
SDES-AS172HTRXX	PARROT	1510.0	54	19	1.505	40AH	19.5	495
SDES-AS171HTRXX	RATITE	1590.0	42	7	1.492	40AH	19.5	495
SDES-AS173HTRXX	LAPWING	1590.0	45	7	1.504	40AH	19.5	495
SDES-AS174HTRXX	FALCON	1590.0	54	19	1.544	40AH	20.4	518
SDES-AS175HTRXX	CHUKAR	1780.0	84	19	1.602	42AH	20.1	511
SDES-AS176HTRXX	MOCKINGBIRD	2034.5	72	7	1.681	42AH	20.1	511
SDES-AS177HTRXX	ROADRUNNER	2057.0	76	19	1.700	42AH	20.1	511
SDES-AS178HTRXX	BLUEBIRD	2156.0	84	19	1.762	44AH	21.1	536
SDES-AS179HTRXX	KIWI	2167.0	72	7	1.735	44AH	20.4	518
SDES-AS180HTRXX	THRASHER	2312.0	76	19	1.802	44AH	18.9	480
SDES-AS181HTRXX	JOREE	2515.0	76	19	1.880	48AH	19.1	485

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Solo HD® Compression Joint for ACSR and ACSS Conductor, Full Tension



The SDCJ-AS Series Compression Joint Assembly is specifically designed for ACSR and ACSS conductors. The Solo HD Compression Joint is fabricated from a specially tempered aluminum that will transfer elevated current and dissipate increased heat more efficiently. Its innovative design provides a solid, void-free compression through the complete unit with once set of dies, reducing the total quantity of compressions and installation time by almost half when compared to the of the ones required by the two die compression systems while keeping the same reliable and proven performance.

All Solo HD Compression Joints are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor. Each compression joint assembly comes with an aluminum joint and a steel sleeve.

For die sizes 30AH and above, the end tapers of the compression portions of all compression accessories are supplied with a high voltage finish.

Benefits

- **Half the Installation Time**
  Using an innovative core gripping system that allows a single die to compress the outer aluminum barrel to grip both the steel core as well as the aluminum strands, utilizing the same Aluminum Hex (AH) die set.
- **No Filler Compound Required**
  By creating a practically void-free compression, eliminating ingress of water, and using steels that eliminate the exposure of raw steel after, thereby eliminating rust and corrosion, AFL has removed variability of the amount of compound being placed in each connector.
- **Joints Travel Over Sheaves**
  Enhancing speed of installation, full tension joints can travel through sheaves without impact to the performance of the connector, allowing for more conductor to be strung from a single location.
- **Same Install Method**
  With no new tools required, installation crews do not require training on new compression tools.
- **One Connector**
  Assembly can be used for both ACSS and ACSR type conductors, eliminating the need for multiple part numbers.
- **Same Compression Die Set**
  The Aluminum Hex (AH) die size remains the same as that of the standard AFL two-die system used today and eliminates the need for the Steel Hex (SH) dies altogether.
- **Same Compression Tools**
  By using the same compression pumps and presses, AFL does not require the need for a large investment in both the tools and training.

Qualifications

GOVERNING BODY	STANDARD CODE
ANSI	C119.4

Contact AFL for further details.

continued

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Solo HD® Compression Joint for ACSR and ACSS Conductor, Full Tension

Ordering Information

Assembly Catalog No. **Terminal Connector** **EHV Finish**

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

EXAMPLE: For 795 Drake ACSS Conductor with no terminal and EHV finish, the complete catalog number is: **SDCJ-AS142HT**

Notes

For instructions, see Solo HD ACSR/ACSS/ACSS-TW Joint installation instructions ACA117 on page 60.

ASSEMBLY CATALOG NO.	CONDUCTORS					ALUMINUM HEX DIES
	ACSR AND ACSS	SIZE	STRAND		DIAMETER	
		KCMIL	AL	ST		
SDCJ-AS109HT	WOODCOCK	336.4	22	7	0.701	20AH
SDCJ-AS113HT	LINNET	336.4	26	7	0.720	20AH
SDCJ-AS114HT	ORIOLE	336.4	30	7	0.741	20AH
SDCJ-AS185HT	CHICKADEE	397.5	18	1	0.743	20AH
SDCJ-AS115HT	PTARMIGAN	397.5	20	7	0.752	20AH
SDCJ-AS116HT	BRANT	397.5	24	7	0.772	20AH
SDCJ-AS117HT	IBIS	397.5	26	7	0.783	20AH
SDCJ-AS118HT	LARK	397.5	30	7	0.806	20AH
SDCJ-AS186HT	PELICAN	477.0	18	1	0.814	24AH
SDCJ-AS119HT	TAILORBIRD	477.0	20	7	0.823	20AH
SDCJ-AS120HT	FLICKER	477.0	24	7	0.846	24AH
SDCJ-AS121HT	HAWK	477.0	26	7	0.858	24AH
SDCJ-AS122HT	HEN	477.0	30	7	0.883	24AH
SDCJ-AS187HT	OSPREY	556.5	18	1	0.879	24AH
SDCJ-AS123HT	SAPSUCKER	556.5	22	7	0.901	24AH
SDCJ-AS124HT	PARAKEET	556.5	24	7	0.914	24AH
SDCJ-AS125HT	DOVE	556.5	26	7	0.927	27AH
SDCJ-AS126HT	EAGLE	556.5	30	7	0.953	27AH
SDCJ-AS127HT	PEACOCK	605.0	24	7	0.953	27AH
SDCJ-AS128HT	SQUAB	605.0	26	7	0.966	27AH
SDCJ-AS130HT	WOOD DUCK	605.0	30	7	0.994	27AH
SDCJ-AS129HT	TEAL	605.0	30	19	0.994	27AH
SDCJ-AS188HT	SWIFT	636.0	36	1	0.930	27AH
SDCJ-AS189HT	KINGBIRD	636.0	18	1	0.940	27AH
SDCJ-AS131HT	GOLDFINCH	636.0	22	7	0.963	27AH
SDCJ-AS132HT	ROOK	636.0	24	7	0.977	27AH
SDCJ-AS133HT	GROSBEAK	636.0	26	7	0.990	27AH
SDCJ-AS182HT	SCOTER	636.0	30	7	1.019	27AH
SDCJ-AS134HT	EGRET	636.0	30	19	1.019	27AH

continued

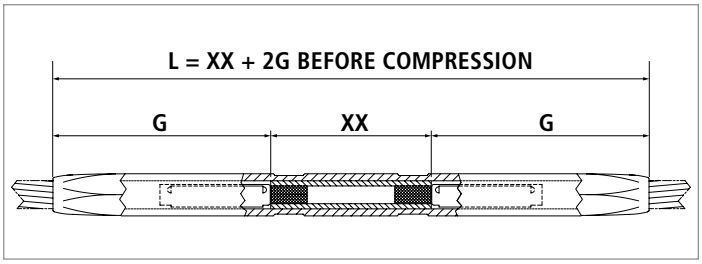
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Solo HD® Compression Joint for ACSR and ACSS Conductor, Full Tension

AFL NO.	CONDUCTORS					ALUMINUM HEX DIES
	ACSR AND ACSS	SIZE	STRAND		DIAMETER	
		KCMIL	AL	ST		
SDCJ-AS135HT	FLAMINGO	666.6	24	7	1.000	27AH
SDCJ-AS183HT	GANNET	666.6	26	7	1.014	27AH
SDCJ-AS136HT	STILT	715.5	24	7	1.036	30AH
SDCJ-AS137HT	STARLING	715.5	26	7	1.051	30AH
SDCJ-AS138HT	REDWING	715.5	30	19	1.081	30AH
SDCJ-AS190HT	COOT	795.0	36	1	1.040	30AH
SDCJ-AS141HT	CUCKOO	795.0	24	7	1.092	30AH
SDCJ-AS142HT	DRAKE	795.0	26	7	1.108	30AH
SDCJ-AS144HT	MACAW	795.0	42	7	1.055	30AH
SDCJ-AS140HT	TERN	795.0	45	7	1.063	30AH
SDCJ-AS141HT	CONDOR	795.0	54	7	1.092	30AH
SDCJ-AS143HT	MALLARD	795.0	30	19	1.140	30AH
SDCJ-AS145HT	RUDDY	900.0	45	7	1.131	30AH
SDCJ-AS146HT	CANARY	900.0	54	7	1.162	30AH
SDCJ-AS191HT	CATBIRD	954.0	36	1	1.140	30AH
SDCJ-AS147HT	CORNCRAKE	954.0	20	7	1.165	30AH
SDCJ-AS184HT	REDBIRD	954.0	24	7	1.196	30AH
SDCJ-AS148HT	RAIL	954.0	45	7	1.165	30AH
SDCJ-AS149HT	TOWHEE	954.0	48	7	1.175	30AH
SDCJ-AS150HT	CARDINAL	954.0	54	7	1.196	30AH
SDCJ-AS151HT	CANVASBACK	954.0	30	19	1.248	34AH
SDCJ-AS192HT	TANAGER	1033.5	36	1	1.186	30AH
SDCJ-AS153HT	SNOWBIRD	1033.5	42	7	1.203	34AH
SDCJ-AS152HT	ORTOLAN	1033.5	45	7	1.212	34AH
SDCJ-AS154HT	CURLEW	1033.5	54	7	1.245	34AH
SDCJ-AS155HT	BLUEJAY	1113.0	45	7	1.259	34AH
SDCJ-AS157HT	FINCH	1113.0	54	19	1.293	34AH
SDCJ-AS158HT	BUNTING	1192.5	45	7	1.302	34AH
SDCJ-AS159HT	GRACKLE	1192.5	54	19	1.338	36AH
SDCJ-AS161HT	BITTERN	1272.0	45	7	1.345	36AH
SDCJ-AS162HT	DIVER	1272.0	48	7	1.357	36AH
SDCJ-AS163HT	PHEASANT	1272.0	54	19	1.382	36AH
SDCJ-AS164HT	DIPPER	1351.5	45	7	1.386	36AH
SDCJ-AS166HT	MARTIN	1351.5	54	19	1.424	38AH
SDCJ-AS167HT	BOBOLINK	1431.0	45	7	1.427	38AH
SDCJ-AS169HT	PLOVER	1431.0	54	19	1.465	38AH
SDCJ-AS170HT	NUTHATCH	1510.0	45	7	1.466	38AH
SDCJ-AS172HT	PARROT	1510.0	54	19	1.505	40AH
SDCJ-AS171HT	RATITE	1590.0	42	7	1.492	40AH
SDCJ-AS173HT	LAPWING	1590.0	45	7	1.504	40AH
SDCJ-AS174HT	FALCON	1590.0	54	19	1.544	40AH
SDCJ-AS175HT	CHUKAR	1780.0	84	19	1.602	42AH
SDCJ-AS176HT	MOCKINGBIRD	2034.5	72	7	1.681	42AH
SDCJ-AS177HT	ROADRUNNER	2057.0	76	19	1.700	42AH
SDCJ-AS178HT	BLUEBIRD	2156.0	84	19	1.762	44AH
SDCJ-AS179HT	KIWI	2167.0	72	7	1.735	44AH
SDCJ-AS180HT	THRASHER	2312.0	76	19	1.802	44AH
SDCJ-AS181HT	JOREE	2515.0	76	19	1.880	48AH

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Solo HD Replacement Compression Joint for ACSR and ACSS Conductors, SDCJR Series



The Solo HD Replacement Joints are used to replace damaged conductor and removed splices in midspan. They are designed for fast and easy installation, requiring only the AH compression die set. By using a high strength alloy, the compression length has been shortened for less compression bites, while maintaining a minimum 95% of the ASTM rated strength. The replacement joint does not require filler compound, eliminating an installation step.

The end tapers of all compression accessories are supplied with a high voltage finish for die size sections 30AH and above.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Step 2: Determine Length of Span Removal (XX)

Determine the length of existing splice and/or conductor (XX) that will be cut out, to the nearest inch (Maximum 60").

Step 3: Assemble Catalog Number

Catalog Number + **Removed Conductor Length (XX)**

Example:

A replacement compression joint for 795 Drake conductor with a removed conductor length of 24 inches, the complete catalog number is:

SDCJ-AS142HTR24

Notes:

1. Assembly Catalog Number includes one aluminum body and two core grips.
2. Installation Instructions for Compression Joints (INS-ACA117) are on page 60 in this catalog.
3. For more information on die selection and ordering instructions, see Tools and Equipment tab in this catalog.

ASSEMBLY CATALOG NUMBER	CONDUCTOR				ALUMINUM HEX DIES SIZE	DIMENSION G	
	ACSR AND ACSS	SIZE	STRANDING		DIAMETER		
		KCMIL	AL	ST	IN	IN	MM
SDCJ-AS109HTRXX	WOODCOCK	336.4	22	7	0.701	20AH	13.2	335
SDCJ-AS113HTRXX	LINNET	336.4	26	7	0.720	20AH	13.5	343
SDCJ-AS114HTRXX	ORIOLE	336.4	30	7	0.741	20AH	13.8	351
SDCJ-AS185HTRXX	CHICKADEE	397.5	18	1	0.743	20AH	13.8	351
SDCJ-AS115HTRXX	PTARMIGAN	397.5	20	7	0.752	20AH	13.8	351
SDCJ-AS116HTRXX	BRANT	397.5	24	7	0.772	20AH	13.9	353
SDCJ-AS117HTRXX	IBIS	397.5	26	7	0.783	20AH	13.9	353
SDCJ-AS118HTRXX	LARK	397.5	30	7	0.806	20AH	13.9	353
SDCJ-AS186HTRXX	PELICAN	477.0	18	1	0.814	24AH	14.6	371
SDCJ-AS119HTRXX	TAILORBIRD	477.0	20	7	0.823	20AH	14.5	368
SDCJ-AS120HTRXX	FLICKER	477.0	24	7	0.846	24AH	14.3	363
SDCJ-AS121HTRXX	HAWK	477.0	26	7	0.858	24AH	14.6	371
SDCJ-AS122HTRXX	HEN	477.0	30	7	0.883	24AH	14.3	363
SDCJ-AS187HTRXX	OSPREY	556.5	18	1	0.879	24AH	13.4	340
SDCJ-AS123HTRXX	SAPSUCKER	556.5	22	7	0.901	24AH	14.1	358
SDCJ-AS124HTRXX	PARAKEET	556.5	24	7	0.914	24AH	14.6	371
SDCJ-AS125HTRXX	DOVE	556.5	26	7	0.927	27AH	14.9	378
SDCJ-AS126HTRXX	EAGLE	556.5	30	7	0.953	27AH	15.1	384
SDCJ-AS127HTRXX	PEACOCK	605.0	24	7	0.953	27AH	15.1	384
SDCJ-AS128HTRXX	SQUAB	605.0	26	7	0.966	27AH	15.1	384
SDCJ-AS130HTRXX	WOOD DUCK	605.0	30	7	0.994	27AH	15.1	384
SDCJ-AS129HTRXX	TEAL	605.0	30	19	0.994	27AH	15.1	384
SDCJ-AS188HTRXX	SWIFT	636.0	36	1	0.930	27AH	15.1	384
SDCJ-AS189HTRXX	KINGBIRD	636.0	18	1	0.940	27AH	15.1	384
SDCJ-AS131HTRXX	GOLDFINCH	636.0	22	7	0.963	27AH	15.2	386
SDCJ-AS132HTRXX	ROOK	636.0	24	7	0.977	27AH	15.4	391

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Solo HD Replacement Compression Joint for ACSS and ACSR Conductors, SDCJR Series

ASSEMBLY CATALOG NUMBER	CONDUCTOR					ALUMINUM HEX DIES SIZE	DIMENSION G	
	ACSR AND ACSS	SIZE	STRANDING		DIAMETER			
		KCMIL	AL	ST	IN		IN	MM
SDCJ-AS133HTRXX	GROSBEAK	636.0	26	7	0.990	27AH	15.9	404
SDCJ-AS182HTRXX	SCOTER	636.0	30	7	1.019	27AH	15.9	404
SDCJ-AS134HTRXX	EGRET	636.0	30	19	1.019	27AH	15.9	404
SDCJ-AS135HTRXX	FLAMINGO	666.6	24	7	1.000	27AH	15.4	391
SDCJ-AS183HTRXX	GANNET	666.6	26	7	1.014	27AH	16.4	417
SDCJ-AS136HTRXX	STILT	715.5	24	7	1.036	30AH	16.4	417
SDCJ-AS137HTRXX	STARLING	715.5	26	7	1.051	30AH	16.4	417
SDCJ-AS138HTRXX	REDWING	715.5	30	19	1.081	30AH	16.4	417
SDCJ-AS190HTRXX	COOT	795.0	36	1	1.040	30AH	16.4	417
SDCJ-AS141HTRXX	CUCKOO	795.0	24	7	1.092	30AH	16.4	417
SDCJ-AS142HTRXX	DRAKE	795.0	26	7	1.108	30AH	16.5	419
SDCJ-AS144HTRXX	MACAW	795.0	42	7	1.055	30AH	16.5	419
SDCJ-AS140HTRXX	TERN	795.0	45	7	1.063	30AH	15.4	391
SDCJ-AS141HTRXX	CONDOR	795.0	54	7	1.092	30AH	16.4	417
SDCJ-AS143HTRXX	MALLARD	795.0	30	19	1.140	30AH	17.8	452
SDCJ-AS145HTRXX	RUDDY	900.0	45	7	1.131	30AH	16.2	411
SDCJ-AS146HTRXX	CANARY	900.0	54	7	1.162	30AH	16.8	427
SDCJ-AS191HTRXX	CATBIRD	954.0	36	1	1.140	30AH	16.1	409
SDCJ-AS147HTRXX	CORNCRAKE	954.0	20	7	1.165	30AH	16.1	409
SDCJ-AS184HTRXX	REDBIRD	954.0	24	7	1.196	30AH	16.1	409
SDCJ-AS148HTRXX	RAIL	954.0	45	7	1.165	30AH	16.1	409
SDCJ-AS149HTRXX	TOWHEE	954.0	48	7	1.175	30AH	19.1	485
SDCJ-AS150HTRXX	CARDINAL	954.0	54	7	1.196	30AH	20.6	523
SDCJ-AS151HTRXX	CANVASBACK	954.0	30	19	1.248	34AH	19.1	485
SDCJ-AS192HTRXX	TANAGER	1033.5	36	1	1.186	30AH	18.2	462
SDCJ-AS153HTRXX	SNOWBIRD	1033.5	42	7	1.203	34AH	18.2	462
SDCJ-AS152HTRXX	ORTOLAN	1033.5	45	7	1.212	34AH	17.4	442
SDCJ-AS154HTRXX	CURLEW	1033.5	54	7	1.245	34AH	18.2	462
SDCJ-AS155HTRXX	BLUEJAY	1113.0	45	7	1.259	34AH	17.1	434
SDCJ-AS157HTRXX	FINCH	1113.0	54	19	1.293	34AH	18.1	460
SDCJ-AS158HTRXX	BUNTING	1192.5	45	7	1.302	34AH	18.1	460
SDCJ-AS159HTRXX	GRACKLE	1192.5	54	19	1.338	36AH	18.1	460
SDCJ-AS161HTRXX	BITTERN	1272.0	45	7	1.345	36AH	17.8	452
SDCJ-AS162HTRXX	DIVER	1272.0	48	7	1.357	36AH	17.8	452
SDCJ-AS163HTRXX	PHEASANT	1272.0	54	19	1.382	36AH	19.1	485
SDCJ-AS164HTRXX	DIPPER	1351.5	45	7	1.386	36AH	18.4	467
SDCJ-AS166HTRXX	MARTIN	1351.5	54	19	1.424	38AH	19.5	495
SDCJ-AS167HTRXX	BOBOLINK	1431.0	45	7	1.427	38AH	19.5	495
SDCJ-AS169HTRXX	PLOVER	1431.0	54	19	1.465	38AH	19.5	495
SDCJ-AS170HTRXX	NUTHATCH	1510.0	45	7	1.466	38AH	19.5	495
SDCJ-AS172HTRXX	PARROT	1510.0	54	19	1.505	40AH	19.5	495
SDCJ-AS171HTRXX	RATITE	1590.0	42	7	1.492	40AH	19.5	495
SDCJ-AS173HTRXX	LAPWING	1590.0	45	7	1.504	40AH	19.5	495
SDCJ-AS174HTRXX	FALCON	1590.0	54	19	1.544	40AH	20.4	518
SDCJ-AS175HTRXX	CHUKAR	1780.0	84	19	1.602	42AH	20.1	511
SDCJ-AS176HTRXX	MOCKINGBIRD	2034.5	72	7	1.681	42AH	20.1	511
SDCJ-AS177HTRXX	ROADRUNNER	2057.0	76	19	1.700	42AH	20.1	511
SDCJ-AS178HTRXX	BLUEBIRD	2156.0	84	19	1.762	44AH	21.1	536
SDCJ-AS179HTRXX	KIWI	2167.0	72	7	1.735	44AH	20.4	518
SDCJ-AS180HTRXX	THRASHER	2312.0	76	19	1.802	44AH	18.9	480
SDCJ-AS181HTRXX	JOREE	2515.0	76	19	1.880	48AH	19.1	485

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Solo HD® Compression Dead End for ACSR and ACSS Conductor, Adjustable Clevis, Single Tongue



The SDACS-AS Series Dead End Assembly is specifically designed for use on both ACSR and ACSS conductors. The body of the SOLO HD Dead End is fabricated from a specially tempered aluminum that will transfer elevated current and dissipate increased heat more efficiently.

The tongue and terminal pad are constructed with a 15° angle, which permits the terminal connector to be bolted in the straight or 30° position. Its innovative design provides a solid, void-free compression through the complete unit with once set of dies, reducing the total quantity of compressions and installation time by almost ½ when compared to the of the ones required by the two die compression systems while keeping the same reliable and proven performance.

All Solo HD Dead Ends are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor. Each dead end assembly comes with terminal and aluminum hardware.

For die sizes 30 AH and above, the end tapers of the compression portions of all compression accessories are supplied with a high voltage finish. Corona bolts are furnished as standard on 15° terminals for these die sizes.

The square edges of the bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix "EHV".

Benefits

- **Half the Installation Time**
  Using an innovative core gripping system that allows a single die to compress the outer aluminum barrel to grip both the steel core as well as the aluminum strands, utilizing the same Aluminum Hex (AH) die set.
- **No Filler Compound Required**
  By creating a practically void-free compression, eliminating ingress of water, and using steels that eliminate the exposure of raw steel after, thereby eliminating rust and corrosion, AFL has removed variability of the amount of compound being placed in each connector.
- **Joints Travel Over Sheaves**
  Enhancing speed of installation, full tension joints can travel through sheaves without impact to the performance of the connector, allowing for more conductor to be strung from a single location.
- **Same Install Method**
  With no new tools required, installation crews do not require training on new compression tools.
- **One Connector**
  Assembly can be used for both ACSS and ACSR type conductors, eliminating the need for multiple part numbers.
- **Same Compression Die Set**
  The Aluminum Hex (AH) die size remains the same as that of the standard AFL two-die system used today and eliminates the need for the Steel Hex (SH) dies altogether.
- **Same Compression Tools**
  By using the same compression pumps and presses, AFL does not require the need for a large investment in both the tools and training.

Qualifications

GOVERNING BODY	STANDARD CODE
ANSI	C119.4

Contact AFL for further details.

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Solo HD® Compression Dead End for ACSR and ACSS Conductor, Adjustable Clevis, Single Tongue

Ordering Information

Assembly Catalog No. **Terminal Connector** **EHV Finish**

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector
For an assembly without a terminal connector, use "NT".
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish
For Extra High Voltage Finish, use "EHV". (> 345 kV)
For Standard Finish, leave blank. (< 345 kV)
For bolt, nut and cotter pin add BNC at the END

Step 4: Assemble Catalog Number

EXAMPLE: For 795 Drake ACSS Conductor with no terminal and EHV finish, the complete catalog number is: **SDACS-AS142HTNTEHV**

Notes

For instructions, see Solo HD ACSR/ACSS/ACSS-TW Adjustable Clevis Dead End installation instructions INS-ACA125 on page 52.

ASSEMBLY CATALOG NO.	CONDUCTORS					ALUMINUM HEX DIES
	CODE NAME	SIZE KCMIL	STRAND		DIAMETER	
			AL	ST		
SDACS-AS109HT	WOODCOCK	336.4	22	7	0.701	20AH
SDACS-AS113HT	LINNET	336.4	26	7	0.720	20AH
SDACS-AS114HT	ORIOLE	336.4	30	7	0.741	20AH
SDACS-AS185HT	CHICKADEE	397.5	18	1	0.743	20AH
SDACS-AS115HT	PTARMIGAN	397.5	20	7	0.752	20AH
SDACS-AS116HT	BRANT	397.5	24	7	0.772	20AH
SDACS-AS117HT	IBIS	397.5	26	7	0.783	20AH
SDACS-AS118HT	LARK	397.5	30	7	0.806	20AH
SDACS-AS186HT	PELICAN	477.0	18	1	0.814	24AH
SDACS-AS119HT	TAILORBIRD	477.0	20	7	0.823	20AH
SDACS-AS120HT	FLICKER	477.0	24	7	0.846	24AH
SDACS-AS121HT	HAWK	477.0	26	7	0.858	24AH
SDACS-AS122HT	HEN	477.0	30	7	0.883	24AH
SDACS-AS187HT	OSPREY	556.5	18	1	0.879	24AH
SDACS-AS123HT	SAPSUCKER	556.5	22	7	0.901	24AH
SDACS-AS124HT	PARAKEET	556.5	24	7	0.914	24AH
SDACS-AS125HT	DOVE	556 5	26	7	0.927	27AH
SDACS-AS126HT	EAGLE	556.5	30	7	0.953	27AH
SDACS-AS127HT	PEACOCK	605.0	24	7	0.953	27AH
SDACS-AS128HT	SQUAB	605.0	26	7	0.966	27AH
SDACS-AS130HT	WOOD/DUCK	605.0	30	7	0.994	27AH
SDACS-AS129HT	TEAL	605.0	30	19	0.994	27AH
SDACS-AS188HT	SWIFT	636.0	36	1	0.930	27AH
SDACS-AS189HT	KINGBIRD	636.0	18	1	0.940	27AH
SDACS-AS131HT	GOLDFINCH	636.0	22	7	0.963	27AH
SDACS-AS132HT	ROOK	636.0	24	7	0.977	27AH
SDACS-AS133HT	GROSBEAK	636.0	26	7	0.990	27AH
SDACS-AS182HT	SCOTER	636.0	30	7	1.019	27AH
SDACS-AS134HT	EGRET	636.0	30	19	1.019	27AH

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Solo HD® Compression Dead End for ACSR and ACSS Conductor, Adjustable Clevis, Single Tongue

ASSEMBLY CATALOG NO.	CONDUCTORS					ALUMINUM HEX DIES
	CODE NAME	SIZE KCMIL	STRAND		DIAMETER	
			AL	ST		
SDACS-AS135HT	FLAMINGO	666.6	24	7	1.000	27AH
SDACS-AS183HT	GANNET	666.6	26	7	1.014	27AH
SDACS-AS136HT	STILT	715.5	24	7	1.036	30AH
SDACS-AS137HT	STARLING	715.5	26	7	1.051	30AH
SDACS-AS138HT	REDWING	715.5	30	19	1.081	30AH
SDACS-AS190HT	COOT	795.0	36	1	1.040	30AH
SDACS-AS141HT	CUCKOO	795.0	24	7	1.092	30AH
SDACS-AS142HT	DRAKE	795.0	26	7	1.108	30AH
SDACS-AS144HT	MACAW	795.0	42	7	1.055	30AH
SDACS-AS140HT	TERN	795.0	45	7	1.063	30AH
SDACS-AS141HT	CONDOR	795.0	54	7	1.092	30AH
SDACS-AS143HT	MALLARD	795.0	30	19	1.140	30AH
SDACS-AS145HT	RUDDY	900.0	45	7	1.131	30AH
SDACS-AS146HT	CANARY	900.0	54	7	1.162	30AH
SDACS-AS191HT	CATBIRD	954.0	36	1	1.140	30AH
SDACS-AS147HT	CORNCRAKE	954.0	20	7	1.165	30AH
SDACS-AS184HT	REDBIRD	954.0	24	7	1.196	30AH
SDACS-AS148HT	RAIL	954.0	45	7	1.165	30AH
SDACS-AS149HT	TOWHEE	954.0	48	7	1.175	30AH
SDACS-AS150HT	CARDINAL	954.0	54	7	1.196	30AH
SDACS-AS151HT	CANVASBACK	954.0	30	19	1.248	34AH
SDACS-AS192HT	TANAGER	1033.5	36	1	1.186	30AH
SDACS-AS153HT	SNOWBIRD	1033.5	42	7	1.203	34AH
SDACS-AS152HT	ORTOLAN	1033.5	45	7	1.212	34AH
SDACS-AS154HT	CURLEW	1033.5	54	7	1.245	34AH
SDACS-AS155HT	BLUEJAY	1113.0	45	7	1.259	34AH
SDACS-AS157HT	FINCH	1113.0	54	19	1.293	34AH
SDACS-AS158HT	BUNTING	1192.5	45	7	1.302	34AH
SDACS-AS159HT	GRACKLE	1192.5	54	19	1.338	36AH
SDACS-AS161HT	BITTERN	1272.0	45	7	1.345	36AH
SDACS-AS162HT	DIVER	1272.0	48	7	1.357	36AH
SDACS-AS163HT	PHEASANT	1272.0	54	19	1.382	36AH
SDACS-AS164HT	DIPPER	1351.5	45	7	1.386	36AH
SDACS-AS166HT	MARTIN	1351.5	54	19	1.424	38AH
SDACS-AS167HT	BOBOLINK	1431.0	45	7	1.427	38AH
SDACS-AS169HT	PLOVER	1431.0	54	19	1.465	38AH
SDACS-AS170HT	NUTHATCH	1510.0	45	7	1.466	38AH
SDACS-AS172HT	PARROT	1510.0	54	19	1.505	40AH
SDACS-AS171HT	RATITE	1590.0	42	7	1.492	40AH
SDACS-AS173HT	LAPWING	1590.0	45	7	1.504	40AH
SDACS-AS174HT	FALCON	1590.0	54	19	1.544	40AH
SDACS-AS175HT	CHUKAR	1780.0	84	19	1.602	42AH
SDACS-AS176HT	MOCKINGBIRD	2034.5	72	7	1.681	42AH
SDACS-AS177HT	ROADRUNNER	2057.0	76	19	1.700	42AH
SDACS-AS178HT	BLUEBIRD	2156.0	84	19	1.762	44AH
SDACS-AS179HT	KIWI	2167.0	72	7	1.735	44AH
SDACS-AS180HT	THRASHER	2312.0	76	19	1.802	44AH
SDACS-AS181HT	JOREE	2515.0	76	19	1.880	48AH

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Solo HD® Compression Dead End for ACSR and ACSS Conductor, Adjustable Clevis, Double Tongue



The SDACD-AS Series Dead End Assembly is specifically designed for use on both ACSR and ACSS conductors. The body of the SOLO HD Dead End is fabricated from a specially tempered aluminum that will transfer elevated current and dissipate increased heat more efficiently.

The tongue and terminal pad are constructed with a 15º angle, which permits the terminal connector to be bolted in the straight or 30º position. Its innovative design provides a solid, void-free compression through the complete unit with once set of dies, reducing the total quantity of compressions and installation time by almost ½ when compared to the of the ones required by the two die compression systems while keeping the same reliable and proven performance.

All Solo HD Dead Ends are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor. Each dead end assembly comes with terminal and aluminum hardware.

For die sizes 30 AH and above, the end tapers of the compression portions of all compression accessories are supplied with a high voltage finish. Corona bolts are furnished as standard on 15º terminals for these die sizes.

The square edges of the bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix "EHV".

Benefits

- **Half the Installation Time**
  Using an innovative core gripping system that allows a single die to compress the outer aluminum barrel to grip both the steel core as well as the aluminum strands, utilizing the same Aluminum Hex (AH) die set.
- **No Filler Compound Required**
  By creating a practically void-free compression, eliminating ingress of water, and using steels that eliminate the exposure of raw steel after, thereby eliminating rust and corrosion, AFL has removed variability of the amount of compound being placed in each connector.
- **Joints Travel Over Sheaves**
  Enhancing speed of installation, full tension joints can travel through sheaves without impact to the performance of the connector, allowing for more conductor to be strung from a single location.
- **Same Install Method**
  With no new tools required, installation crews do not require training on new compression tools.
- **One Connector**
  Assembly can be used for both ACSS and ACSR type conductors, eliminating the need for multiple part numbers.
- **Same Compression Die Set**
  The Aluminum Hex (AH) die size remains the same as that of the standard AFL two-die system used today and eliminates the need for the Steel Hex (SH) dies altogether.
- **Same Compression Tools**
  By using the same compression pumps and presses, AFL does not require the need for a large investment in both the tools and training.

Qualifications

GOVERNING BODY	STANDARD CODE
ANSI	C119.4

Contact AFL for further details.

continued

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Solo HD® Compression Dead End for ACSR and ACSS Conductor, Adjustable Clevis, Double Tongue

Ordering Information

Assembly Catalog No. **Terminal Connector** **EHV Finish**

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector
For an assembly without a terminal connector, use "NT".
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish
For Extra High Voltage Finish, use "EHV". (> 345 kV)
For Standard Finish, leave blank. (< 345 kV)
For bolt, nut and cotter pin add BNC at the END

Step 4: Assemble Catalog Number

EXAMPLE: For 795 Drake ACSS Conductor with no terminal and EHV finish, the complete catalog number is: **SDACD-AS142HTNTEHV**

Notes

For instructions, see Solo HD ACSR/ACSS/ACSS-TW Adjustable Clevis Dead End installation instructions INS-ACA125 on page 52.

ASSEMBLY CATALOG NO.	CONDUCTORS					ALUMINUM HEX DIES
	CODE NAME	SIZE KCMIL	STRAND		DIAMETER	
			AL	ST		
SDACD-AS109HT	WOODCOCK	336.4	22	7	0.701	20AH
SDACD-AS113HT	LINNET	336. 4	26	7	0.720	20AH
SDACD-AS114HT	ORIOLE	336.4	30	7	0.741	20AH
SDACD-AS185HT	CHICKADEE	397.5	18	1	0.743	20AH
SDACD-AS115HT	PTARMIGAN	397.5	20	7	0.752	20AH
SDACD-AS116HT	BRANT	397.5	24	7	0.772	20AH
SDACD-AS117HT	IBIS	397.5	26	7	0.783	20AH
SDACD-AS118HT	LARK	397.5	30	7	0.806	20AH
SDACD-AS186HT	PELICAN	477.0	18	1	0.814	24AH
SDACD-AS119HT	TAILORBIRD	477.0	20	7	0.823	20AH
SDACD-AS120HT	FLICKER	477.0	24	7	0.846	24AH
SDACD-AS121HT	HAWK	477.0	26	7	0.858	24AH
SDACD-AS122HT	HEN	477.0	30	7	0.883	24AH
SDACD-AS187HT	OSPREY	556.5	18	1	0.879	24AH
SDACD-AS123HT	SAPSUCKER	556.5	22	7	0.901	24AH
SDACD-AS124HT	PARAKEET	556.5	24	7	0.914	24AH
SDACD-AS125HT	DOVE	556.5	26	7	0.927	27AH
SDACD-AS126HT	EAGLE	556.5	30	7	0.953	27AH
SDACD-AS127HT	PEACOCK	605.0	24	7	0.953	27AH
SDACD-AS128HT	SQUAB	605.0	26	7	0.966	27AH
SDACD-AS130HT	WOOD/DUCK	605.0	30	7	0.994	27AH
SDACD-AS129HT	TEAL	605.0	30	19	0.994	27AH
SDACD-AS188HT	SWIFT	636.0	36	1	0.930	27AH
SDACD-AS189HT	KINGBIRD	636.0	18	1	0.940	27AH
SDACD-AS131HT	GOLDFINCH	636.0	22	7	0.963	27AH
SDACD-AS132HT	ROOK	636.0	24	7	0.977	27AH
SDACD-AS133HT	GROSBEAK	636.0	26	7	0.990	27AH
SDACD-AS182HT	SCOTER	636.0	30	7	1.019	27AH
SDACD-AS134HT	EGRET	636.0	30	19	1.019	27AH

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Solo HD® Compression Dead End for ACSR and ACSS Conductor, Adjustable Clevis, Double Tongue

ASSEMBLY CATALOG NO.	CONDUCTORS					ALUMINUM HEX DIES
	CODE NAME	SIZE KCMIL	STRAND		DIAMETER	
			AL	ST		
SDACD-AS135HT	FLAMINGO	666.6	24	7	1.000	27AH
SDACD-AS183HT	GANNET	666.6	26	7	1.014	27AH
SDACD-AS136HT	STILT	715.5	24	7	1.036	30AH
SDACD-AS137HT	STARLING	715.5	26	7	1.051	30AH
SDACD-AS138HT	REDWING	715.5	30	19	1.081	30AH
SDACD-AS190HT	COOT	795.0	36	1	1.040	30AH
SDACD-AS141HT	CUCKOO	795.0	24	7	1.092	30AH
SDACD-AS142HT	DRAKE	795.0	26	7	1.108	30AH
SDACD-AS144HT	MACAW	795.0	42	7	1.055	30AH
SDACD-AS140HT	TERN	795.0	45	7	1.063	30AH
SDACD-AS141HT	CONDOR	795.0	54	7	1.092	30AH
SDACD-AS143HT	MALLARD	795.0	30	19	1.140	30AH
SDACD-AS145HT	RUDDY	900.0	45	7	1.131	30AH
SDACD-AS146HT	CANARY	900.0	54	7	1.162	30AH
SDACD-AS191HT	CATBIRD	954.0	36	1	1.140	30AH
SDACD-AS147HT	CORNCRAKE	954.0	20	7	1.165	30AH
SDACD-AS184HT	REDBIRD	954.0	24	7	1.196	30AH
SDACD-AS148HT	RAIL	954.0	45	7	1.165	30AH
SDACD-AS149HT	TOWHEE	954.0	48	7	1.175	30AH
SDACD-AS150HT	CARDINAL	954.0	54	7	1.196	30AH
SDACD-AS151HT	CANVASBACK	954.0	30	19	1.248	34AH
SDACD-AS192HT	TANAGER	1033.5	36	1	1.186	30AH
SDACD-AS153HT	SNOWBIRD	1033.5	42	7	1.203	34AH
SDACD-AS152HT	ORTOLAN	1033.5	45	7	1.212	34AH
SDACD-AS154HT	CURLEW	1033.5	54	7	1.245	34AH
SDACD-AS155HT	BLUEJAY	1113.0	45	7	1.259	34AH
SDACD-AS157HT	FINCH	1113.0	54	19	1.293	34AH
SDACD-AS158HT	BUNTING	1192.5	45	7	1.302	34AH
SDACD-AS159HT	GRACKLE	1192.5	54	19	1.338	36AH
SDACD-AS161HT	BITTERN	1272.0	45	7	1.345	36AH
SDACD-AS162HT	DIVER	1272.0	48	7	1.357	36AH
SDACD-AS163HT	PHEASANT	1272.0	54	19	1.382	36AH
SDACD-AS164HT	DIPPER	1351.5	45	7	1.386	36AH
SDACD-AS166HT	MARTIN	1351.5	54	19	1.424	38AH
SDACD-AS167HT	BOBOLINK	1431.0	45	7	1.427	38AH
SDACD-AS169HT	PLOVER	1431.0	54	19	1.465	38AH
SDACD-AS170HT	NUTHATCH	1510.0	45	7	1.466	38AH
SDACD-AS172HT	PARROT	1510.0	54	19	1.505	40AH
SDACD-AS171HT	RATITE	1590.0	42	7	1.492	40AH
SDACD-AS173HT	LAPWING	1590.0	45	7	1.504	40AH
SDACD-AS174HT	FALCON	1590.0	54	19	1.544	40AH
SDACD-AS175HT	CHUKAR	1780.0	84	19	1.602	42AH
SDACD-AS176HT	MOCKINGBIRD	2034.5	72	7	1.681	42AH
SDACD-AS177HT	ROADRUNNER	2057.0	76	19	1.700	42AH
SDACD-AS178HT	BLUEBIRD	2156.0	84	19	1.762	44AH
SDACD-AS179HT	KIWI	2167.0	72	7	1.735	44AH
SDACD-AS180HT	THRASHER	2312.0	76	19	1.802	44AH
SDACD-AS181HT	JOREE	2515.0	76	19	1.880	48AH

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Solo HD® Compression Dead End for ACSS/TW Conductor, Eye and Clevis Type, Single Tongue



This Series Dead End Assembly is specifically designed for ACSS/TW conductors. The body of the Solo HD Dead End is fabricated from a specially tempered aluminum that will transfer elevated current and dissipate increased heat more efficiently.

The tongue and terminal pad are constructed with a 15° angle, which permits the terminal connector to be bolted in the straight or 30° position. Its innovative design provides a solid, void-free compression through the complete unit with once set of dies, reducing the total quantity of compressions and installation time by almost half when compared to the of the ones required by the two die compression systems while keeping the same reliable and proven performance.

All Solo HD Dead Ends are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor. Each dead-end assembly comes with terminal and aluminum hardware.

For die sizes 30AH and above, the end tapers of the compression portions of all compression accessories are supplied with a high voltage finish. Corona bolts are furnished as standard on 15° terminals for these die sizes.

The square edges of the bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix "EHV".

Benefits

- **Half the Installation Time**
  Using an innovative core gripping system that allows a single die to compress the outer aluminum barrel to grip both the steel core as well as the aluminum strands, utilizing the same Aluminum Hex (AH) die set.
- **No Filler Compound Required**
  By creating a practically void-free compression, eliminating ingress of water, and using steels that eliminate the exposure of raw steel after, thereby eliminating rust and corrosion, AFL has removed variability of the amount of compound being placed in each connector.
- **Joints Travel Over Sheaves**
  Enhancing speed of installation, full tension joints can travel through sheaves without impact to the performance of the connector, allowing for more conductor to be strung from a single location.
- **Same Install Method**
  With no new tools required, installation crews do not require training on new compression tools.
- **One Connector**
  Assembly can be used for both ACSS and ACSR type conductors, eliminating the need for multiple part numbers.
- **Same Compression Die Set**
  The Aluminum Hex (AH) die size remains the same as that of the standard AFL two-die system used today and eliminates the need for the Steel Hex (SH) dies altogether.
- **Same Compression Tools**
  By using the same compression pumps and presses, AFL does not require the need for a large investment in both the tools and training.

Qualifications

GOVERNING BODY	STANDARD CODE
ANSI	C119.4

Contact AFL for further details.

continued

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Solo HD® Compression Dead End for ACSS/TW Conductor, Eye and Clevis Type, Single Tongue

Ordering Information

Assembly Catalog No. **Terminal Connector** **EHV Finish**

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

For a clevis application substitute the E for a C:
SDES-AS: EYE TERMINATION
SDCS-AS: CLEVIS TERMINATION

Step 2: Terminal Connector
For an assembly without a terminal connector, use "NT".
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish
For Extra High Voltage Finish, use "EHV". (> 345 kV).
For Standard Finish, leave blank. (< 345 kV)

Step 4: Assemble Catalog Number

EXAMPLE: For 795 Drake ACSS Conductor with no terminal and EHV finish, the complete catalog number is: **SDES-AS142HTNTEHV**

Notes

For instructions, see Solo HD ACSR/ACSS/ACSS-TW Dead End installation instructions INS-ACA116 on page 44.

ASSEMBLY CATALOG NO.	CONDUCTORS						ALUMINUM HEX DIES
	CODE NAME	SIZE KCMIL	TYPE	STRAND		DIAMETER	
				AL	ST		
SDES-AS114HT	ORIOLE ACSS/TW	336.4	23	18	7	0.693	20AH
SDES-AS120HT	FLICKER ACSS/TW	447.0	13	18	7	0.776	24AH
SDES-AS121HT	HAWK ACSS/TW	447.0	16	18	7	0.798	24AH
SDES-AS122HT	HEN ACSS/TW	477.0	23	18	7	0.825	24AH
SDES-AS124HT	PARAKEET ACSS/TW	556.5	13	18	7	0.835	24AH
SDES-AS125HT	DOVE ACSS/TW	556.5	16	20	7	0.852	24AH
SDES-AS858HT	CALUMET ACSS/TW	565.3	16	18	7	0.858	24AH
SDES-AS846HT	MOHAWK ACSS/TW	571.7	13	18	7	0.846	24AH
SDES-AS132HT	ROOK ACSS/TW	636.0	13	19	7	0.890	27AH
SDES-AS133HT	GROSBEAK ACSS/TW	636.0	16	20	7	0.908	27AH
SDES-AS182HT	SCOTER ACSS/TW	636.0	23	18	7	0.953	27AH
SDES-AS927HT	OSWEGO ACSS/TW	664.8	16	20	7	0.927	27AH
SDES-AS913HT	MYSTIC ACSS/TW	666.6	13	20	7	0.913	27AH
SDES-AS990HT	WABASH ACSS/TW	762.8	16	20	7	0.990	30AH
SDES-AS977HT	MAUMEE ACSS/TW	768.2	13	20	7	0.977	30AH
SDES-AS140HT	TERN ACSS/TW	795.0	7	17	7	0.960	30AH
SDES-AS980HT	PUFFIN ACSS/TW	795.0	10	18	7	0.980	30AH
SDES-AS141HT	CONDOR ACSS/TW	795.0	13	20	7	0.993	30AH
SDES-AS142HT	DRAKE ACSS/TW	795.0	16	20	7	1.010	30AH
SDES-AS146HT	CANARY ACSS/TW	900.0	13	30	7	1.080	30AH
SDES-AS077HT	FRASER ACSS/TW	946.7	10	35	7	1.077	30AH
SDES-AS044HT	PHOENIX ACSS/TW	954.0	5	30	7	1.044	30AH
SDES-AS148HT	RAIL ACSS/TW	954.0	7	32	7	1.061	30AH
SDES-AS150HT	CARDINAL ACSS/TW	954.0	13	20	7	1.084	30AH
SDES-AS060HT	KETTLE ACSS/TW	957.2	7	32	7	1.060	30AH
SDES-AS108HT	SUWANNEE ACSS/TW	959.6	16	22	7	1.108	30AH
SDES-AS092HT	COLUMBIA ACSS/TW	966.2	13	21	7	1.092	30AH
SDES-AS153HT	SNOWBIRD ACSS/TW	1033.5	5	30	7	1.089	34AH
SDES-AS152HT	ORTOLAN ACSS/TW	1033.5	7	32	7	1.102	34AH

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Solo HD® Compression Dead End for ACSS/TW Conductor, Eye and Clevis Type, Single Tongue

ASSEMBLY CATALOG NO.	CONDUCTORS						ALUMINUM HEX DIES
	CODE NAME	SIZE KCMIL	TYPE	STRAND		DIAMETER	
				AL	ST		
SDES-AS154HT	CURLEW ACSS/TW	1033.5	13	22	7	1.128	34AH
SDES-AS131HT	-	1080.0	7	20	7	1.131	34AH
SDES-AS129HT	AVOCET ACSS/TW	1113.0	5	30	7	1.129	34AH
SDES-AS155HT	BLUEJAY ACSS/TW	1113.0	7	33	7	1.143	34AH
SDES-AS157HT	FINCH ACSS/TW	1113.0	13	38	19	1.185	34AH
SDES-AS165HT	GENESEE ACSS/TW	1158.0	7	33	7	1.165	34AH
SDES-AS196HT	HUDSON ACSS/TW	1158.4	13	26	7	1.196	34AH
SDES-AS155HT	CHEYENNE ACSS/TW	1168.1	5	30	7	1.155	34AH
SDES-AS167HT	OXBIRD ACSS/TW	1192.5	5	30	7	1.167	34AH
SDES-AS158HT	BUNTING ACSS/TW	1192.5	7	33	7	1.191	34AH
SDES-AS159HT	GRACKLE ACSS/TW	1192.5	13	38	19	1.225	36AH
SDES-AS245HT	YUKON ACSS/TW	1233.6	13	38	19	1.245	34AH
SDES-AS213HT	NELSON ACSS/TW	1257.1	7	35	7	1.213	34AH
SDES-AS202HT	SCISSORTAIL ACSS/TW	1272.0	5	30	7	1.202	36AH
SDES-AS203HT	CATAWBA ACSS/TW	1272.0	5	30	7	1.203	34AH
SDES-AS161HT	BITTERN ACSS/TW	1272.0	7	35	7	1.220	36AH
SDES-AS163HT	PHEASANT ACSS/TW	1272.0	13	39	19	1.264	36AH
SDES-AS290HT	THAMES ACSS/TW	1334.6	13	39	19	1.290	36AH
SDES-AS164HT	DIPPER ACSS/TW	1351.5	7	35	7	1.256	36AH
SDES-AS166HT	MARTIN ACSS/TW	1351.5	13	39	19	1.300	38AH
SDES-AS259HT	MACKENZIE ACSS/TW	1359.7	7	36	7	1.259	36AH
SDES-AS248HT	TRUCKEE ACSS/TW	1372.5	5	30	7	1.248	34AH
SDES-AS167HT	BOBOLINK ACSS/TW	1431.0	7	30	7	1.291	38AH
SDES-AS169HT	PLOVER ACSS/TW	1431.0	13	37	19	1.337	38AH
SDES-AS340HT	MERRIMACK ACSS/TW	1433.5	13	39	19	1.340	38AH
SDES-AS302HT	MIRAMICHI ACSS/TW	1455.3	7	36	7	1.302	38AH
SDES-AS292HT	ST. CROIX ACSS/TW	1467.8	5	33	7	1.292	38AH
SDES-AS382HT	RIO GRAND ACSS/TW	1533.3	13	39	19	1.382	38AH
SDES-AS345HT	POTOMAC ACSS/TW	1557.4	7	36	7	1.345	38AH
SDES-AS334HT	PLATTE ACSS/TW	1569.0	5	33	7	1.334	38AH
SDES-AS173HT	LAPWING ACSS/TW	1590.0	7	36	7	1.358	40AH
SDES-AS174HT	FALCON ACSS/TW	1590.0	13	42	19	1.408	40AH
SDES-AS424HT	PECOS ACSS/TW	1622.0	13	39	19	1.424	40AH
SDES-AS386HT	SCHUYLKILL ACSS/TW	1657.4	7	36	7	1.386	40AH
SDES-AS407HT	JAMES ACSS/TW	1730.6	13	34	19	1.407	42AH
SDES-AS427HT	PEE DEE ACSS/TW	1758.6	7	37	7	1.427	40AH
SDES-AS175HT	CHUKAR ACSS/TW	1780.0	8	37	19	1.445	42AH
SDES-AS545HT	CUMBERLAND ACSS/TW	1926.9	13	42	19	1.545	42AH
SDES-AS504HT	ATHABASKA ACSS/TW	1949.6	7	42	7	1.504	42AH
SDES-AS602HT	POWDER ACSS/TW	2153.8	8	64	19	1.602	44AH
SDES-AS178HT	BLUEBIRD ACSS/TW	2156.0	8	64	19	1.608	44AH
SDES-AS762HT	SANTEE ACSS/TW	2627.3	8	64	19	1.762	48AH

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Solo HD® Compression Dead End for ACSS/TW Conductor, Eye and Clevis Type, Double Tongue



This Double Tongue Dead End Assembly is specifically designed for ACSS/TW conductors. The body of the Solo HD Dead Ends are fabricated from a specially tempered aluminum that will transfer elevated current and dissipate increased heat more efficiently.

The tongue and terminal pad are constructed with a 15° angle, which permits the terminal connector to be bolted in the straight or 30° position. Its innovative design provides a solid, void-free compression through the complete unit with once set of dies, reducing the total quantity of compressions and installation time by almost half when compared to the of the ones required by the two die compression systems while keeping the same reliable and proven performance.

All Solo HD Dead Ends are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor. Each dead end assembly comes with two 15° terminals and aluminum hardware.

For die sizes 30AH and above, the end tapers of the compression portions of all compression accessories are supplied with a high voltage finish. Corona bolts are furnished as standard on 15° terminals for these die sizes.

The square edges of the bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix "EHV".

Benefits

- **Half the Installation Time**
  Using an innovative core gripping system that allows a single die to compress the outer aluminum barrel to grip both the steel core as well as the aluminum strands, utilizing the same Aluminum Hex (AH) die set.
- **No Filler Compound Required**
  By creating a practically void-free compression, eliminating ingress of water, and using steels that eliminate the exposure of raw steel after, thereby eliminating rust and corrosion, AFL has removed variability of the amount of compound being placed in each connector.
- **Joints Travel Over Sheaves**
  Enhancing speed of installation, full tension joints can travel through sheaves without impact to the performance of the connector, allowing for more conductor to be strung from a single location.
- **Same Install Method**
  With no new tools required, installation crews do not require training on new compression tools.
- **One Connector**
  Assembly can be used for both ACSS and ACSR type conductors, eliminating the need for multiple part numbers.
- **Same Compression Die Set**
  The Aluminum Hex (AH) die size remains the same as that of the standard AFL two-die system used today and eliminates the need for the Steel Hex (SH) dies altogether.
- **Same Compression Tools**
  By using the same compression pumps and presses, AFL does not require the need for a large investment in both the tools and training.

Qualifications

GOVERNING BODY	STANDARD CODE
ANSI	C119.4

Contact AFL for further details.

continued

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Solo HD® Compression Dead End for ACSS/TW Conductor, Eye Type, Double Tongue, SDED-AS Series

Ordering Information

Assembly Catalog No. **Terminal Connector** **EHV Finish**

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

For a clevis application substitute the E for a C:
SDED-AS: EYE TERMINATION
SDCD-AS: CLEVIS TERMINATION

Step 2: Terminal Connector
For an assembly without a terminal connector, use "NT".
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish
For Extra High Voltage Finish, use "EHV". (> 345 kV).
For Standard Finish, leave blank. (< 345 kV)

Step 4: Assemble Catalog Number

EXAMPLE: For 795 Drake ACSS Conductor with no terminal and EHV finish, the complete catalog number is: **SDED-AS142HTNTEHV**

Notes

For instructions, see Solo HD ACSR/ACSS/ACSS-TW Dead End installation instructions INS-ACA116 on page 44.

ASSEMBLY CATALOG NO.	CONDUCTORS						ALUMINUM HEX DIES
	CODE NAME	SIZE KCMIL	TYPE	STRAND		DIAMETER	
				AL	ST		
SDED-AS114HT	ORIOLE ACSS/TW	336.4	23	18	7	0.693	20AH
SDED-AS120HT	FLICKER ACSS/TW	447.0	13	18	7	0.776	24AH
SDED-AS121HT	HAWK ACSS/TW	447.0	16	18	7	0.798	24AH
SDED-AS122HT	HEN ACSS/TW	477.0	23	18	7	0.825	24AH
SDED-AS124HT	PARAKEET ACSS/TW	556.5	13	18	7	0.835	24AH
SDED-AS125HT	DOVE ACSS/TW	556.5	16	20	7	0.852	24AH
SDED-AS858HT	CALUMET ACSS/TW	565.3	16	18	7	0.858	24AH
SDED-AS846HT	MOHAWK ACSS/TW	571.7	13	18	7	0.846	24AH
SDED-AS132HT	ROOK ACSS/TW	636.0	13	19	7	0.890	27AH
SDED-AS133HT	GROSBEAK ACSS/TW	636.0	16	20	7	0.908	27AH
SDED-AS182HT	SCOTER ACSS/TW	636.0	23	18	7	0.953	27AH
SDED-AS927HT	OSWEGO ACSS/TW	664.8	16	20	7	0.927	27AH
SDED-AS913HT	MYSTIC ACSS/TW	666.6	13	20	7	0.913	27AH
SDED-AS990HT	WABASH ACSS/TW	762.8	16	20	7	0.990	30AH
SDED-AS977HT	MAUMEE ACSS/TW	768.2	13	20	7	0.977	30AH
SDED-AS140HT	TERN ACSS/TW	795.0	7	17	7	0.960	30AH
SDED-AS980HT	PUFFIN ACSS/TW	795.0	10	18	7	0.980	30AH
SDED-AS141HT	CONDOR ACSS/TW	795.0	13	20	7	0.993	30AH
SDED-AS142HT	DRAKE ACSS/TW	795.0	16	20	7	1.010	30AH
SDED-AS146HT	CANARY ACSS/TW	900.0	13	30	7	1.080	30AH
SDED-AS077HT	FRASER ACSS/TW	946.7	10	35	7	1.077	30AH
SDED-AS044HT	PHOENIX ACSS/TW	954.0	5	30	7	1.044	30AH
SDED-AS148HT	RAIL ACSS/TW	954.0	7	32	7	1.061	30AH
SDED-AS150HT	CARDINAL ACSS/TW	954.0	13	20	7	1.084	30AH
SDED-AS060HT	KETTLE ACSS/TW	957.2	7	32	7	1.060	30AH
SDED-AS108HT	SUWANNEE ACSS/TW	959.6	16	22	7	1.108	30AH
SDED-AS092HT	COLUMBIA ACSS/TW	966.2	13	21	7	1.092	30AH
SDED-AS153HT	SNOWBIRD ACSS/TW	1033.5	5	30	7	1.089	34AH
SDED-AS152HT	ORTOLAN ACSS/TW	1033.5	7	32	7	1.102	34AH

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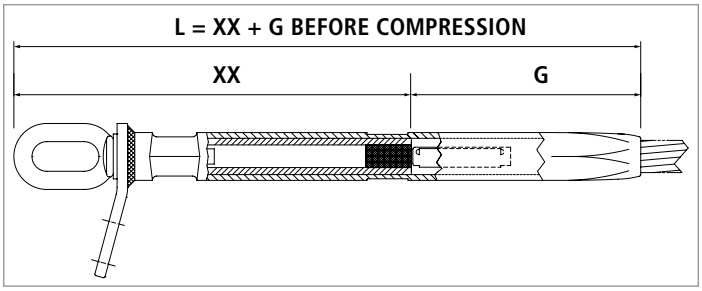
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Solo HD® Compression Dead End for ACSS/TW Conductor, Eye Type, Double Tongue, SDED-AS Series

ASSEMBLY CATALOG NO.	CONDUCTORS						ALUMINUM HEX DIES
	CODE NAME	SIZE KCMIL	TYPE	STRAND		DIAMETER	
				AL	ST		
SDED-AS154HT	CURLEW ACSS/TW	1033.5	13	22	7	1.128	34AH
SDED-AS131HT	—	1080.0	7	20	7	1.131	34AH
SDED-AS129HT	AVOCET ACSS/TW	1113.0	5	30	7	1.129	34AH
SDED-AS155HT	BLUEJAY ACSS/TW	1113.0	7	33	7	1.143	34AH
SDED-AS157HT	FINCH ACSS/TW	1113.0	13	38	19	1.185	34AH
SDED-AS165HT	GENESEE ACSS/TW	1158.0	7	33	7	1.165	34AH
SDED-AS196HT	HUDSON ACSS/TW	1158.4	13	26	7	1.196	34AH
SDED-AS155HT	CHEYENNE ACSS/TW	1168.1	5	30	7	1.155	34AH
SDED-AS167HT	OXBIRD ACSS/TW	1192.5	5	30	7	1.167	34AH
SDED-AS158HT	BUNTING ACSS/TW	1192.5	7	33	7	1.191	34AH
SDED-AS159HT	GRACKLE ACSS/TW	1192.5	13	38	19	1.225	36AH
SDED-AS245HT	YUKON ACSS/TW	1233.6	13	38	19	1.245	34AH
SDED-AS213HT	NELSON ACSS/TW	1257.1	7	35	7	1.213	34AH
SDED-AS202HT	SCISSORTAIL ACSS/TW	1272.0	5	30	7	1.202	36AH
SDED-AS203HT	CATAWBA ACSS/TW	1272.0	5	30	7	1.203	34AH
SDED-AS161HT	BITTERN ACSS/TW	1272.0	7	35	7	1.220	36AH
SDED-AS163HT	PHEASANT ACSS/TW	1272.0	13	39	19	1.264	36AH
SDED-AS290HT	THAMES ACSS/TW	1334.6	13	39	19	1.290	36AH
SDED-AS164HT	DIPPER ACSS/TW	1351.5	7	35	7	1.256	36AH
SDED-AS166HT	MARTIN ACSS/TW	1351.5	13	39	19	1.300	38AH
SDED-AS259HT	MACKENZIE ACSS/TW	1359.7	7	36	7	1.259	36AH
SDED-AS248HT	TRUCKEE ACSS/TW	1372.5	5	30	7	1.248	34AH
SDED-AS167HT	BOBOLINK ACSS/TW	1431.0	7	30	7	1.291	38AH
SDED-AS169HT	PLOVER ACSS/TW	1431.0	13	37	19	1.337	38AH
SDED-AS340HT	MERRIMACK ACSS/TW	1433.5	13	39	19	1.340	38AH
SDED-AS302HT	MIRAMICHI ACSS/TW	1455.3	7	36	7	1.302	38AH
SDED-AS292HT	ST. CROIX ACSS/TW	1467.8	5	33	7	1.292	38AH
SDED-AS382HT	RIO GRAND ACSS/TW	1533.3	13	39	19	1.382	38AH
SDED-AS345HT	POTOMAC ACSS/TW	1557.4	7	36	7	1.345	38AH
SDED-AS334HT	PLATTE ACSS/TW	1569.0	5	33	7	1.334	38AH
SDED-AS173HT	LAPWING ACSS/TW	1590.0	7	36	7	1.358	40AH
SDED-AS174HT	FALCON ACSS/TW	1590.0	13	42	19	1.408	40AH
SDED-AS424HT	PECOS ACSS/TW	1622.0	13	39	19	1.424	40AH
SDED-AS386HT	SCHUYLKILL ACSS/TW	1657.4	7	36	7	1.386	40AH
SDED-AS407HT	JAMES ACSS/TW	1730.6	13	34	19	1.407	42AH
SDED-AS427HT	PEE DEE ACSS/TW	1758.6	7	37	7	1.427	40AH
SDED-AS175HT	CHUKAR ACSS/TW	1780.0	8	37	19	1.445	42AH
SDED-AS545HT	CUMBERLAND ACSS/TW	1926.9	13	42	19	1.545	42AH
SDED-AS504HT	ATHABASKA ACSS/TW	1949.6	7	42	7	1.504	42AH
SDED-AS602HT	POWDER ACSS/TW	2153.8	8	64	19	1.602	44AH
SDED-AS178HT	BLUEBIRD ACSS/TW	2156.0	8	64	19	1.608	44AH
SDED-AS762HT	SANTEE ACSS/TW	2627.3	8	64	19	1.762	48AH

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Solo HD Replacement Compression Dead End for ACSS/TW and ACSR/TW Conductors, SDESR Series



The Solo HD Replacement Dead Ends are used to replace damaged conductor and dead ends at the structure. They are designed for fast and easy installation, requiring only the AH compression die set. By using a high strength alloy, the compression length has been shortened for less compression bites, while maintaining a minimum 95% of the ASTM rated strength. The replacement dead end does not require filler compound, eliminating an installation step.

The square edges of the bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix "EHV." Each dead end assembly comes with terminal and aluminum hardware, unless no terminal (NT) is used in the part number. The tongue and terminal pad are constructed with a 15° angle, which permits a terminal connector to be bolted in the straight or 30° position.

The end tapers of all compression accessories are supplied with a high voltage finish for die size sections 30AH and above.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector

For an assembly without a terminal connector, use "NT".
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish

For Extra High Voltage Finish, use "EHV". (> 345 kV). For Standard Finish, leave blank. (< 345 kV)

Step 4: Determine Length of Span Removal (XX)

Determine the length of existing dead end and/or conductor (XX) that will be cut out, to the nearest inch (Maximum 60").

Step 5: Assemble Catalog Number

Catalog Number + **Removed Conductor Length (XX)** + **(No) Terminal Connector** + **EHV Finish**

Example:

A replacement compression dead end for 959.6 Suwannee/TW conductor with no terminal, EHV finish and a removed conductor length of 24 inches, the complete catalog number is:

SDES-AS108HTR24NTEHV

Notes:

1. Assembly Catalog Number includes one aluminum body, one terminal, and one eye/core grip.
2. Installation Instructions for Compression Joints (INS-ACA116) are on page 44 in this catalog.
3. For more information on die selection and ordering instructions, see Tools and Equipment section of the AFL Transmission and Distribution catalog.

ASSEMBLY CATALOG NUMBER	CONDUCTOR					ALUMINUM HEX DIES SIZE	DIMENSION G	
	ACSR/TW AND ACSS/TW	SIZE	STRANDING		DIAMETER			
		KCMIL	AL	ST	IN		IN	MM
SDES-AS114HTRXX	ORIOLE ACSS/TW	336.4	23	18	0.693	20AH	13.8	351
SDES-AS120HTRXX	FLICKER ACSS/TW	447.0	13	18	0.776	24AH	14.3	363
SDES-AS121HTRXX	HAWK ACSS/TW	477.0	16	18	0.798	24AH	14.6	371
SDES-AS122HTRXX	HEN ACSS/TW	477.0	23	18	0.825	24AH	14.3	363
SDES-AS124HTRXX	PARAKEET ACSS/TW	556.5	13	18	0.835	24AH	14.6	371
SDES-AS125HTRXX	DOVE ACSS/TW	556.5	16	20	0.852	24AH	14.9	378
SDES-AS858HTRXX	CALUMET ACSS/TW	565.3	16	18	0.858	24AH	15.2	386
SDES-AS846HTRXX	MOHAWK ACSS/TW	571.7	13	18	0.846	24AH	15.2	386
SDES-AS132HTRXX	ROOK ACSS/TW	636.0	13	19	0.890	27AH	15.4	391
SDES-AS133HTRXX	GROSBEAK ACSS/TW	636.0	16	20	0.908	27AH	15.9	404
SDES-AS182HTRXX	SCOTER ACSS/TW	636.0	23	18	0.953	27AH	15.9	404
SDES-AS927HTRXX	OSWEGO ACSS/TW	664.8	16	20	0.927	27AH	15.9	404
SDES-AS913HTRXX	MYSTIC ACSS/TW	666.6	13	20	0.913	27AH	16.2	411
RXXSDES-AS990HT	WABASH ACSS/TW	762.8	16	20	0.990	30AH	16.2	411

continued

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Solo HD Replacement Compression Dead End for ACSS/TW and ACSR/TW Conductors, SDESR Series

ASSEMBLY CATALOG NUMBER	CONDUCTOR					ALUMINUM HEX DIES SIZE	DIMENSION G	
	ACSR/TW AND ACSS/TW	SIZE	STRANDING		DIAMETER			
		KCMIL	AL	ST	IN		IN	MM
SDES-AS977HTRXX	MAUMEE ACSS/TW	768.2	13	20	0.977	30AH	17.5	445
SDES-AS140HTRXX	TERN ACSS/TW	795.0	7	17	0.960	30AH	15.4	391
SDES-AS980HTRXX	PUFFIN ACSS/TW	795.0	10	18	0.980	30AH	15.8	401
SDES-AS141HTRXX	CONDOR ACSS/TW	795.0	13	20	0.993	30AH	16.4	417
SDES-AS142HTRXX	DRAKE ACSS/TW	795.0	16	20	1.010	30AH	16.5	419
SDES-AS146HTRXX	CANARY ACSS/TW	900.0	13	30	1.080	30AH	16.8	427
SDES-AS077HTRXX	FRASER ACSS/TW	946.7	10	35	1.077	30AH	16.3	414
SDES-AS044HTRXX	PHOENIX ACSS/TW	954.0	5	30	1.044	30AH	16.3	414
SDES-AS148HTRXX	RAIL ACSS/TW	954.0	7	32	1.061	30AH	16.1	409
SDES-AS150HTRXX	CARDINAL ACSS/TW	954.0	13	20	1.084	30AH	20.6	523
SDES-AS060HTRXX	KETTLE ACSS/TW	957.2	7	32	1.060	30AH	16.7	424
SDES-AS108HTRXX	SUWANNEE ACSS/TW	959.6	16	22	1.108	30AH	17.5	445
SDES-AS092HTRXX	COLUMBIA ACSS/TW	966.2	13	21	1.092	30AH	17.5	445
SDES-AS153HTRXX	SNOWBIRD ACSS/TW	1033.5	5	30	1.089	34AH	18.2	462
SDES-AS152HTRXX	ORTOLAN ACSS/TW	1033.5	7	32	1.102	34AH	17.4	442
SDES-AS154HTRXX	CURLEW ACSS/TW	1033.5	13	22	1.128	34AH	18.2	462
SDES-AS131HTRXX	—	1080.0	7	20	1.131	34AH	17.6	447
SDES-AS129HTRXX	AVOCET ACSS/TW	1113.0	5	30	1.129	34AH	17.7	450
SDES-AS155HTRXX	BLUEJAY ACSS/TW	1113.0	7	33	1.143	34AH	21.1	536
SDES-AS157HTRXX	FINCH ACSS/TW	1113.0	13	38	1.185	34AH	18.1	460
SDES-AS165HTRXX	GENESEE ACSS/TW	1158.0	7	33	1.165	34AH	18.2	462
SDES-AS196HTRXX	HUDSON ACSS/TW	1158.4	13	26	1.196	34AH	18.5	470
SDES-AS155HTRXX	CHEYENNE ACSS/TW	1168.1	5	30	1.155	34AH	18.5	470
SDES-AS167HTRXX	OXBIRD ACSS/TW	1192.5	5	30	1.167	34AH	18.5	470
SDES-AS158HTRXX	BUNTING ACSS/TW	1192.5	7	33	1.191	34AH	18.1	460
SDES-AS159HTRXX	GRACKLE ACSS/TW	1192.5	13	38	1.225	36AH	18.1	460
SDES-AS245HTRXX	YUKON ACSS/TW	1233.6	13	38	1.245	34AH	18.6	472
SDES-AS213HTRXX	NELSON ACSS/TW	1257.1	7	35	1.213	34AH	18.6	472
SDES-AS427HTRXX	PEE DEE ACSS/TW	1758.6	7	37	1.427	40AH	19.9	505
SDES-AS175HTRXX	CHUKAR ACSS/TW	1780.0	8	37	1.445	42AH	20.1	511
SDES-AS545HTRXX	CUMBERLAND ACSS/TW	1926.9	13	42	1.545	42AH	20.8	528
SDES-AS504HTRXX	ATHABASKA ACSS/TW	1949.6	7	42	1.504	42AH	20.8	528
SDES-AS602HTRXX	POWDER ACSS/TW	2153.8	8	64	1.602	44AH	21.1	536
SDES-AS178HTRXX	BLUEBIRD ACSS/TW	2156.0	8	64	1.608	44AH	21.1	536
SDES-AS762HTRXX	SANTEE ACSS/TW	2627.3	8	64	1.762	48AH	21.7	551

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Solo HD® Compression Joint for ACSS/TW Conductor



The SDCJ-AS Series Compression Joint Assembly is specifically designed for ACSS/TW conductors. The Solo HD Compression Joint is fabricated from a specially tempered aluminum that will transfer elevated current and dissipate increased heat more efficiently. Its innovative design provides a solid, void-free compression through the complete unit with once set of dies, reducing the total quantity of compressions and installation time by almost half when compared to the of the ones required by the two die compression systems while keeping the same reliable and proven performance.

All Solo HD Compression Joints are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor. Each compression joint assembly comes with an aluminum joint and a steel sleeve.

For die sizes 30AH and above, the end tapers of the compression portions of all compression accessories are supplied with a high voltage finish.

Benefits

- **Half the Installation Time**
  Using an innovative core gripping system that allows a single die to compress the outer aluminum barrel to grip both the steel core as well as the aluminum strands, utilizing the same Aluminum Hex (AH) die set.
- **No Filler Compound Required**
  By creating a practically void-free compression, eliminating ingress of water, and using steels that eliminate the exposure of raw steel after, thereby eliminating rust and corrosion, AFL has removed variability of the amount of compound being placed in each connector.
- **Joints Travel Over Sheaves**
  Enhancing speed of installation, full tension joints can travel through sheaves without impact to the performance of the connector, allowing for more conductor to be strung from a single location.
- **Same Install Method**
  With no new tools required, installation crews do not require training on new compression tools.
- **One Connector**
  Assembly can be used for both ACSS and ACSR type conductors, eliminating the need for multiple part numbers.
- **Same Compression Die Set**
  The Aluminum Hex (AH) die size remains the same as that of the standard AFL two-die system used today and eliminates the need for the Steel Hex (SH) dies altogether.
- **Same Compression Tools**
  By using the same compression pumps and presses, AFL does not require the need for a large investment in both the tools and training.

Qualifications

GOVERNING BODY	STANDARD CODE
ANSI	C119.4

Contact AFL for further details.

continued

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Solo HD® Compression Joint for ACSS/TW Conductor

Ordering Information

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

EXAMPLE: For 795 Drake ACSS Conductor with no terminal and EHV finish, the complete catalog number is: **SDCJ-AS142HT**

Notes

For instructions, see Solo HD ACSR/ACSS/ACSS-TW Joint installation instructions INS-ACA117 on page 60.

ASSEMBLY CATALOG NO.	CONDUCTORS						ALUMINUM HEX DIES
	CODE NAME	SIZE KCMIL	TYPE	STRAND		DIAMETER	
				AL	ST		
SDCJ-AS114HT	ORIOLE ACSS/TW	336.4	23	18	7	0.693	20AH
SDCJ-AS120HT	FLICKER ACSS/TW	447.0	13	18	7	0.776	24AH
SDCJ-AS121HT	HAWK ACSS/TW	477.0	16	18	7	0.798	24AH
SDCJ-AS122HT	HEN ACSS/TW	477.0	23	18	7	0.825	24AH
SDCJ-AS124HT	PARAKEET ACSS/TW	556.5	13	18	7	0.835	24AH
SDCJ-AS125HT	DOVE ACSS/TW	556.5	16	20	7	0.852	24AH
SDCJ-AS858HT	CALUMET ACSS/TW	565.3	16	18	7	0.858	24AH
SDCJ-AS846HT	MOHAWK ACSS/TW	571.7	13	18	7	0.846	24AH
SDCJ-AS132HT	ROOK ACSS/TW	636.0	13	19	7	0.890	27AH
SDCJ-AS133HT	GROSBEAK ACSS/TW	636.0	16	20	7	0.908	27AH
SDCJ-AS182HT	SCOTER ACSS/TW	636.0	23	18	7	0.953	27AH
SDCJ-AS927HT	OSWEGO ACSS/TW	664.8	16	20	7	0.927	27AH
SDCJ-AS913HT	MYSTIC ACSS/TW	666.6	13	20	7	0.913	27AH
SDCJ-AS990HT	WABASH ACSS/TW	762.8	16	20	7	0.990	30AH
SDCJ-AS977HT	MAUMEE ACSS/TW	768.2	13	20	7	0.977	30AH
SDCJ-AS140HT	TERN ACSS/TW	795.0	7	17	7	0.960	30AH
SDCJ-AS980HT	PUFFIN ACSS/TW	795.0	10	18	7	0.980	30AH
SDCJ-AS141HT	CONDOR ACSS/TW	795.0	13	20	7	0.993	30AH
SDCJ-AS142HT	DRAKE ACSS/TW	795.0	16	20	7	1.010	30AH
SDCJ-AS146HT	CANARY ACSS/TW	900.0	13	30	7	1.080	30AH
SDCJ-AS077HT	FRASER ACSS/TW	946.7	10	35	7	1.077	30AH
SDCJ-AS044HT	PHOENIX ACSS/TW	954.0	5	30	7	1.044	30AH
SDCJ-AS148HT	RAIL ACSS/TW	954.0	7	32	7	1.061	30AH
SDCJ-AS150HT	CARDINAL ACSS/TW	954.0	13	20	7	1.084	30AH
SDCJ-AS060HT	KETTLE ACSS/TW	957.2	7	32	7	1.060	30AH
SDCJ-AS108HT	SUWANNEE ACSS/TW	959.6	16	22	7	1.108	30AH
SDCJ-AS092HT	COLUMBIA ACSS/TW	966.2	13	21	7	1.092	30AH
SDCJ-AS153HT	SNOWBIRD ACSS/TW	1033.5	5	30	7	1.089	34AH
SDCJ-AS152HT	ORTOLAN ACSS/TW	1033.5	7	32	7	1.102	34AH

continued

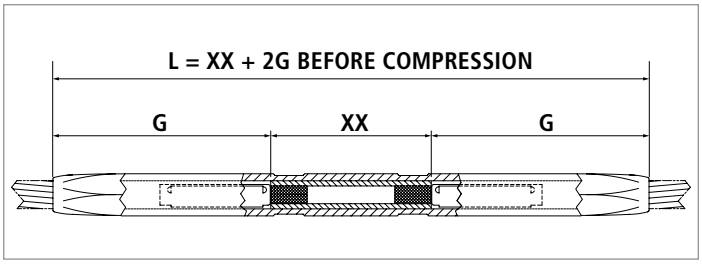
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Solo HD® Compression Joint for ACSS/TW Conductor, SDCJ-AS Series

ASSEMBLY CATALOG NO.	CONDUCTORS						ALUMINUM HEX DIES
	CODE NAME	SIZE KCMIL	TYPE	STRAND		DIAMETER	
				AL	ST		
SDCJ-AS154HT	CURLEW ACSS/TW	1033.5	13	22	7	1.128	34AH
SDCJ-AS131HT	—	1080.0	7	20	7	1.131	34AH
SDCJ-AS129HT	AVOCET ACSS/TW	1113.0	5	30	7	1.129	34AH
SDCJ-AS155HT	BLUEJAY ACSS/TW	1113.0	7	33	7	1.143	34AH
SDCJ-AS157HT	FINCH ACSS/TW	1113.0	13	38	19	1.185	34AH
SDCJ-AS165HT	GENESEE ACSS/TW	1158.0	7	33	7	1.165	34AH
SDCJ-AS196HT	HUDSON ACSS/TW	1158.4	13	26	7	1.196	34AH
SDCJ-AS155HT	CHEYENNE ACSS/TW	1168.1	5	30	7	1.155	34AH
SDCJ-AS167HT	OXBIRD ACSS/TW	1192.5	5	30	7	1.167	34AH
SDCJ-AS158HT	BUNTING ACSS/TW	1192.5	7	33	7	1.191	34AH
SDCJ-AS159HT	GRACKLE ACSS/TW	1192.5	13	38	19	1.225	36AH
SDCJ-AS245HT	YUKON ACSS/TW	1233.6	13	38	19	1.245	34AH
SDCJ-AS213HT	NELSON ACSS/TW	1257.1	7	35	7	1.213	34AH
SDCJ-AS427HT	PEE DEE ACSS/TW	1758.6	7	37	7	1.427	40AH
SDCJ-AS175HT	CHUKAR ACSS/TW	1780.0	8	37	19	1.445	42AH
SDCJ-AS545HT	CUMBERLAND ACSS/TW	1926.9	13	42	19	1.545	42AH
SDCJ-AS504HT	ATHABASKA ACSS/TW	1949.6	7	42	7	1.504	42AH
SDCJ-AS602HT	POWDER ACSS/TW	2153.8	8	64	19	1.602	44AH
SDCJ-AS178HT	BLUEBIRD ACSS/TW	2156.0	8	64	19	1.608	44AH
SDCJ-AS762HT	SANTEE ACSS/TW	2627.3	8	64	19	1.762	48AH

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Solo HD Replacement Compression Joint for ACSS/TW and ACSR/TW Conductors, SDCJR Series



The Solo HD Replacement Joints are used to replace damaged conductor and removed splices in midspan. They are designed for fast and easy installation, requiring only the AH compression die set. By using a high strength alloy, the compression length has been shortened for less compression bites, while maintaining a minimum 95% of the ASTM rated strength. The replacement joint does not require filler compound, eliminating an installation step.

The end tapers of all compression accessories are supplied with a high voltage finish for die size sections 30AH and above.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Step 2: Determine Length of Span Removal (XX)

Determine the length of existing splice and/or conductor (XX) that will be cut out, to the nearest inch (Maximum 60").

Step 3: Assemble Catalog Number

Catalog Number + **Removed Conductor Length (XX)**

Example:

A replacement compression joint for 959.6 Suwannee/TW conductor with a removed conductor length of 24 inches, the complete catalog number is:

SDCJ-AS108HTR24

Notes:

1. Assembly Catalog Number includes one aluminum body and two core grips.
2. Installation Instructions for Compression Joints (INS-ACA117) are on page 60 in this catalog.
3. For more information on die selection and ordering instructions, see Tools and Equipment section of the AFL Transmission and Distribution catalog.

ASSEMBLY CATALOG NUMBER	CONDUCTOR					ALUMINUM HEX DIES SIZE	DIMENSION G	
	ACSR/TW AND ACSS/TW	SIZE	STRANDING		DIAMETER			
		KCMIL	AL	ST	IN		IN	MM
SDCJ-AS114HT	ORIOLE ACSS/TW	336.4	23	18	0.693	20AH	13.8	351
SDCJ-AS120HT	FLICKER ACSS/TW	447.0	13	18	0.776	24AH	14.3	363
SDCJ-AS121HT	HAWK ACSS/TW	477.0	16	18	0.798	24AH	14.6	371
SDCJ-AS122HT	HEN ACSS/TW	477.0	23	18	0.825	24AH	14.3	363
SDCJ-AS124HT	PARAKEET ACSS/TW	556.5	13	18	0.835	24AH	14.6	371
SDCJ-AS125HT	DOVE ACSS/TW	556.5	16	20	0.852	24AH	14.9	378
SDCJ-AS858HT	CALUMET ACSS/TW	565.3	16	18	0.858	24AH	15.2	386
SDCJ-AS846HT	MOHAWK ACSS/TW	571.7	13	18	0.846	24AH	15.2	386
SDCJ-AS132HT	ROOK ACSS/TW	636.0	13	19	0.890	27AH	15.4	391
SDCJ-AS133HT	GROSBEAK ACSS/TW	636.0	16	20	0.908	27AH	15.9	404
SDCJ-AS182HT	SCOTER ACSS/TW	636.0	23	18	0.953	27AH	15.9	404
SDCJ-AS927HT	OSWEGO ACSS/TW	664.8	16	20	0.927	27AH	15.9	404
SDCJ-AS913HT	MYSTIC ACSS/TW	666.6	13	20	0.913	27AH	16.2	411
SDCJ-AS990HT	WABASH ACSS/TW	762.8	16	20	0.990	30AH	16.2	411
SDCJ-AS977HT	MAUMEE ACSS/TW	768.2	13	20	0.977	30AH	17.5	445
SDCJ-AS140HT	TERN ACSS/TW	795.0	7	17	0.960	30AH	15.4	391
SDCJ-AS980HT	PUFFIN ACSS/TW	795.0	10	18	0.980	30AH	15.8	401
SDCJ-AS141HT	CONDOR ACSS/TW	795.0	13	20	0.993	30AH	16.4	417
SDCJ-AS142HT	DRAKE ACSS/TW	795.0	16	20	1.010	30AH	16.5	419
SDCJ-AS146HT	CANARY ACSS/TW	900.0	13	30	1.080	30AH	16.8	427
SDCJ-AS077HT	FRASER ACSS/TW	946.7	10	35	1.077	30AH	16.3	414
SDCJ-AS044HT	PHOENIX ACSS/TW	954.0	5	30	1.044	30AH	16.3	414
SDCJ-AS148HT	RAIL ACSS/TW	954.0	7	32	1.061	30AH	16.1	409
SDCJ-AS150HT	CARDINAL ACSS/TW	954.0	13	20	1.084	30AH	20.6	523
SDCJ-AS060HT	KETTLE ACSS/TW	957.2	7	32	1.060	30AH	16.7	424
SDCJ-AS108HT	SUWANNEE ACSS/TW	959.6	16	22	1.108	30AH	17.5	445

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Solo HD Replacement Compression Joint for ACSS/TW and ACSR/TW Conductors, SDCJR Series

ASSEMBLY CATALOG NUMBER	CONDUCTOR					ALUMINUM HEX DIES SIZE	DIMENSION G	
	ACSR/TW AND ACSS/TW	SIZE	STRANDING		DIAMETER			
		KCMIL	AL	ST	IN		IN	MM
SDCJ-AS092HT	COLUMBIA ACSS/TW	966.2	13	21	1.092	30AH	17.5	445
SDCJ-AS153HT	SNOWBIRD ACSS/TW	1033.5	5	30	1.089	34AH	18.2	462
SDCJ-AS152HT	ORTOLAN ACSS/TW	1033.5	7	32	1.102	34AH	17.4	442
SDCJ-AS154HT	CURLEW ACSS/TW	1033.5	13	22	1.128	34AH	18.2	462
SDCJ-AS131HT	—	1080.0	7	20	1.131	34AH	17.6	447
SDCJ-AS129HT	AVOCET ACSS/TW	1113.0	5	30	1.129	34AH	17.7	450
SDCJ-AS155HT	BLUEJAY ACSS/TW	1113.0	7	33	1.143	34AH	21.1	536
SDCJ-AS157HT	FINCH ACSS/TW	1113.0	13	38	1.185	34AH	18.1	460
SDCJ-AS165HT	GENESEE ACSS/TW	1158.0	7	33	1.165	34AH	18.2	462
SDCJ-AS196HT	HUDSON ACSS/TW	1158.4	13	26	1.196	34AH	18.5	470
SDCJ-AS155HT	CHEYENNE ACSS/TW	1168.1	5	30	1.155	34AH	18.5	470
SDCJ-AS167HT	OXBIRD ACSS/TW	1192.5	5	30	1.167	34AH	18.5	470
SDCJ-AS158HT	BUNTING ACSS/TW	1192.5	7	33	1.191	34AH	18.1	460
SDCJ-AS159HT	GRACKLE ACSS/TW	1192.5	13	38	1.225	36AH	18.1	460
SDCJ-AS245HT	YUKON ACSS/TW	1233.6	13	38	1.245	34AH	18.6	472
SDCJ-AS213HT	NELSON ACSS/TW	1257.1	7	35	1.213	34AH	18.6	472
SDCJ-AS427HT	PEE DEE ACSS/TW	1758.6	7	37	1.427	40AH	19.9	505
SDCJ-AS175HT	CHUKAR ACSS/TW	1780.0	8	37	1.445	42AH	20.1	511
SDCJ-AS545HT	CUMBERLAND ACSS/TW	1926.9	13	42	1.545	42AH	20.8	528
SDCJ-AS504HT	ATHABASKA ACSS/TW	1949.6	7	42	1.504	42AH	20.8	528
SDCJ-AS602HT	POWDER ACSS/TW	2153.8	8	64	1.602	44AH	21.1	536
SDCJ-AS178HT	BLUEBIRD ACSS/TW	2156.0	8	64	1.608	44AH	21.1	536
SDCJ-AS762HT	SANTEE ACSS/TW	2627.3	8	64	1.762	48AH	21.7	551

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Solo HD® Compression Dead End for ACSS/TW Conductor, Adjustable Clevis, Single Tongue



The SDACS-AS Series Dead End Assembly is specifically designed for ACSS/TW conductors. The body of the SOLO HD Dead End is fabricated from a specially tempered aluminum that will transfer elevated current and dissipate increased heat more efficiently.

The tongue and terminal pad are constructed with a 15° angle, which permits the terminal connector to be bolted in the straight or 30° position. Its innovative design provides a solid, void-free compression through the complete unit with once set of dies, reducing the total quantity of compressions and installation time by almost ½ when compared to the of the ones required by the two die compression systems while keeping the same reliable and proven performance.

All Solo HD Dead Ends are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor. Each dead end assembly comes with terminal and aluminum hardware.

For die sizes 30 AH and above, the end tapers of the compression portions of all compression accessories are supplied with a high voltage finish. Corona bolts are furnished as standard on 15° terminals for these die sizes.

The square edges of the bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix "EHV".

Benefits

- **Half the Installation Time**
  Using an innovative core gripping system that allows a single die to compress the outer aluminum barrel to grip both the steel core as well as the aluminum strands, utilizing the same Aluminum Hex (AH) die set.
- **No Filler Compound Required**
  By creating a practically void-free compression, eliminating ingress of water, and using steels that eliminate the exposure of raw steel after, thereby eliminating rust and corrosion, AFL has removed variability of the amount of compound being placed in each connector.
- **Joints Travel Over Sheaves**
  Enhancing speed of installation, full tension joints can travel through sheaves without impact to the performance of the connector, allowing for more conductor to be strung from a single location.
- **Same Install Method**
  With no new tools required, installation crews do not require training on new compression tools.
- **One Connector**
  Assembly can be used for both ACSS and ACSR type conductors, eliminating the need for multiple part numbers.
- **Same Compression Die Set**
  The Aluminum Hex (AH) die size remains the same as that of the standard AFL two-die system used today and eliminates the need for the Steel Hex (SH) dies altogether.
- **Same Compression Tools**
  By using the same compression pumps and presses, AFL does not require the need for a large investment in both the tools and training.

Qualifications

GOVERNING BODY	STANDARD CODE
ANSI	C119.4

Contact AFL for further details.

continued

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Solo HD® Compression Dead End for ACSS/TW Conductor, Adjustable Clevis, Single Tongue

Ordering Information

Assembly Catalog No. **Terminal Connector** **EHV Finish**

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector
For an assembly without a terminal connector, use "NT".
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish
For Extra High Voltage Finish, use "EHV". (> 345 kV).
For Standard Finish, leave blank. (< 345 kV)

Step 4: Assemble Catalog Number

EXAMPLE: For 795 Drake ACSS/TW Conductor with no terminal and EHV finish, the complete catalog number is: **SDACS-AS142HTNTEHV**

Notes

For instructions, see Solo HD ACSR/ACSS/ACSS-TW Adjustable Clevis Dead End installation instructions INS-ACA125 on page 52.

ASSEMBLY CATALOG NO.	CONDUCTORS						ALUMINUM HEX DIES
	CODE NAME	SIZE KCMIL	TYPE	STRAND		DIAMETER	
				AL	ST		
SDACS-AS114HT	ORIOLE ACSS/TW	336.4	23	18	7	0.693	20AH
SDACS-AS120HT	FLICKER ACSS/TW	447.0	13	18	7	0.776	24AH
SDACS-AS121HT	HAWK ACSS/TW	447.0	16	18	7	0.798	24AH
SDACS-AS122HT	HEN ACSS/TW	477.0	23	18	7	0.825	24AH
SDACS-AS124HT	PARAKEET ACSS/TW	556.5	13	18	7	0.835	24AH
SDACS-AS125HT	DOVE ACSS/TW	556.5	16	20	7	0.852	24AH
SDACS-AS858HT	CALUMET ACSS/TW	565.3	16	18	7	0.858	24AH
SDACS-AS846HT	MOHAWK ACSS/TW	571.7	13	18	7	0.846	24AH
SDACS-AS132HT	ROOK ACSS/TW	636.0	13	19	7	0.890	27AH
SDACS-AS133HT	GROSBEAK ACSS/TW	636.0	16	20	7	0.908	27AH
SDACS-AS182HT	SCOTER ACSS/TW	636.0	23	18	7	0.953	27AH
SDACS-AS927HT	OSWEGO ACSS/TW	664.8	16	20	7	0.927	27AH
SDACS-AS913HT	MYSTIC ACSS/TW	666.6	13	20	7	0.913	27AH
SDACS-AS990HT	WABASH ACSS/TW	762.8	16	20	7	0.990	30AH
SDACS-AS977HT	MAUMEE ACSS/TW	768.2	13	20	7	0.977	30AH
SDACS-AS140HT	TERN ACSS/TW	795.0	7	17	7	0.960	30AH
SDACS-AS980HT	PUFFIN ACSS/TW	795.0	10	18	7	0.980	30AH
SDACS-AS141HT	CONDOR ACSS/TW	795.0	13	20	7	0.993	30AH
SDACS-AS142HT	DRAKE ACSS/TW	795.0	16	20	7	1.010	30AH
SDACS-AS146HT	CANARY ACSS/TW	900.0	13	30	7	1.080	30AH
SDACS-AS077HT	FRASER ACSS/TW	946.7	10	35	7	1.077	30AH
SDACS-AS044HT	PHOENIX ACSS/TW	954.0	5	30	7	1.044	30AH
SDACS-AS148HT	RAIL ACSS/TW	954.0	7	32	7	1.061	30AH
SDACS-AS150HT	CARDINAL ACSS/TW	954.0	13	20	7	1.084	30AH
SDACS-AS060HT	KETTLE ACSS/TW	957.2	7	32	7	1.060	30AH
SDACS-AS108HT	SUWANNEE ACSS/TW	959.6	16	22	7	1.108	30AH
SDACS-AS092HT	COLUMBIA ACSS/TW	966.2	13	21	7	1.092	30AH
SDACS-AS153HT	SNOWBIRD ACSS/TW	1033.5	5	30	7	1.089	34AH
SDACS-AS152HT	ORTOLAN ACSS/TW	1033.5	7	32	7	1.102	34AH

continued

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Solo HD® Compression Dead End for ACSS/TW Conductor, Adjustable Clevis, Single Tongue

ASSEMBLY CATALOG NO.	CONDUCTORS						ALUMINUM HEX DIES
	CODE NAME	SIZE KCMIL	TYPE	STRAND		DIAMETER	
				AL	ST		
SDACS-AS154HT	CURLEW ACSS/TW	1033.5	13	22	7	1.128	34AH
SDACS-AS131HT	—	1080.0	7	20	7	1.131	34AH
SDACS-AS129HT	AVOCET ACSS/TW	1113.0	5	30	7	1.129	34AH
SDACS-AS155HT	BLUEJAY ACSS/TW	1113.0	7	33	7	1.143	34AH
SDACS-AS157HT	FINCH ACSS/TW	1113.0	13	38	19	1.185	34AH
SDACS-AS165HT	GENESEE ACSS/TW	1158.0	7	33	7	1.165	34AH
SDACS-AS196HT	HUDSON ACSS/TW	1158.4	13	26	7	1.196	34AH
SDACS-AS155HT	CHEYENNE ACSS/TW	1168.1	5	30	7	1.155	34AH
SDACS-AS167HT	OXBIRD ACSS/TW	1192.5	5	30	7	1.167	34AH
SDACS-AS158HT	BUNTING ACSS/TW	1192.5	7	33	7	1.191	34AH
SDACS-AS159HT	GRACKLE ACSS/TW	1192.5	13	38	19	1.225	36AH
SDACS-AS245HT	YUKON ACSS/TW	1233.6	13	38	19	1.245	34AH
SDACS-AS213HT	NELSON ACSS/TW	1257.1	7	35	7	1.213	34AH
SDACS-AS202HT	SCISSORTAIL ACSS/TW	1272.0	5	30	7	1.202	36AH
SDACS-AS203HT	CATAWBA ACSS/TW	1272.0	5	30	7	1.203	34AH
SDACS-AS161HT	BITTERN ACSS/TW	1272.0	7	35	7	1.220	36AH
SDACS-AS163HT	PHEASANT ACSS/TW	1272.0	13	39	19	1.264	36AH
SDACS-AS290HT	THAMES ACSS/TW	1334.6	13	39	19	1.290	36AH
SDACS-AS164HT	DIPPER ACSS/TW	1351.5	7	35	7	1.256	36AH
SDACS-AS166HT	MARTIN ACSS/TW	1351.5	13	39	19	1.300	38AH
SDACS-AS259HT	MACKENZIE ACSS/TW	1359.7	7	36	7	1.259	36AH
SDACS-AS248HT	TRUCKEE ACSS/TW	1372.5	5	30	7	1.248	34AH
SDACS-AS167HT	BOBOLINK ACSS/TW	1431.0	7	30	7	1.291	38AH
SDACS-AS169HT	PLOVER ACSS/TW	1431.0	13	37	19	1.337	38AH
SDACS-AS340HT	MERRIMACK ACSS/TW	1433.5	13	39	19	1.340	38AH
SDACS-AS302HT	MIRAMICHI ACSS/TW	1455.3	7	36	7	1.302	38AH
SDACS-AS292HT	ST. CROIX ACSS/TW	1467.8	5	33	7	1.292	38AH
SDACS-AS382HT	RIO GRAND ACSS/TW	1533.3	13	39	19	1.382	38AH
SDACS-AS345HT	POTOMAC ACSS/TW	1557.4	7	36	7	1.345	38AH
SDACS-AS334HT	PLATTE ACSS/TW	1569.0	5	33	7	1.334	38AH
SDACS-AS173HT	LAPWING ACSS/TW	1590.0	7	36	7	1.358	40AH
SDACS-AS174HT	FALCON ACSS/TW	1590.0	13	42	19	1.408	40AH
SDACS-AS424HT	PECOS ACSS/TW	1622.0	13	39	19	1.424	40AH
SDACS-AS386HT	SCHUYLKILL ACSS/TW	1657.4	7	36	7	1.386	40AH
SDACS-AS407HT	JAMES ACSS/TW	1730.6	13	34	19	1.407	42AH
SDACS-AS427HT	PEE DEE ACSS/TW	1758.6	7	37	7	1.427	40AH
SDACS-AS175HT	CHUKAR ACSS/TW	1780.0	8	37	19	1.445	42AH
SDACS-AS545HT	CUMBERLAND ACSS/TW	1926.9	13	42	19	1.545	42AH
SDACS-AS504HT	ATHABASKA ACSS/TW	1949.6	7	42	7	1.504	42AH
SDACS-AS602HT	POWDER ACSS/TW	2153 .8	8	64	19	1.602	44AH
SDACS-AS178HT	BLUEBIRD ACSS/TW	2156.0	8	64	19	1.608	44AH
SDACS-AS762HT	SANTEE ACSS/TW	2627.3	8	64	19	1.762	48AH

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Solo HD® Compression Dead End for ACSS/TW Conductor, Adjustable Clevis, Double Tongue



The SDACD-AS Series Double Tongue Dead End Assembly is specifically designed for ACSS conductor . The body of the SOLO HD Dead Ends are fabricated from a specially tempered aluminum that will transfer elevated current and dissipate increased heat more efficiently.

The tongue and terminal pad are constructed with a 15º angle, which permits the terminal connector to be bolted in the straight or 30º position. Its innovative design provides a solid, void-free compression through the complete unit with once set of dies, reducing the total quantity of compressions and installation time by almost ½ when compared to the of the ones required by the two die compression systems while keeping the same reliable and proven performance.

All Solo HD Dead Ends are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor. Each dead end assembly comes with terminal and aluminum hardware.

For die sizes 30 AH and above, the end tapers of the compression portions of all compression accessories are supplied with a high voltage finish. Corona bolts are furnished as standard on 15º terminals for these die sizes.

The square edges of the bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix "EHV".

Benefits

- **Half the Installation Time**
  Using an innovative core gripping system that allows a single die to compress the outer aluminum barrel to grip both the steel core as well as the aluminum strands, utilizing the same Aluminum Hex (AH) die set.
- **No Filler Compound Required**
  By creating a practically void-free compression, eliminating ingress of water, and using steels that eliminate the exposure of raw steel after, thereby eliminating rust and corrosion, AFL has removed variability of the amount of compound being placed in each connector.
- **Joints Travel Over Sheaves**
  Enhancing speed of installation, full tension joints can travel through sheaves without impact to the performance of the connector, allowing for more conductor to be strung from a single location.
- **Same Install Method**
  With no new tools required, installation crews do not require training on new compression tools.
- **One Connector**
  Assembly can be used for both ACSS and ACSR type conductors, eliminating the need for multiple part numbers.
- **Same Compression Die Set**
  The Aluminum Hex (AH) die size remains the same as that of the standard AFL two-die system used today and eliminates the need for the Steel Hex (SH) dies altogether.
- **Same Compression Tools**
  By using the same compression pumps and presses, AFL does not require the need for a large investment in both the tools and training.

Qualifications

GOVERNING BODY	STANDARD CODE
ANSI	C119.4

Contact AFL for further details.

continued

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Solo HD® Compression Dead End for ACSS/TW Conductor, Adjustable Clevis, Double Tongue

Ordering Information

Assembly Catalog No. **Terminal Connector** **EHV Finish**

Step 1: Assembly Catalog Number
Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector
For an assembly without a terminal connector, use "NT".
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish
For Extra High Voltage Finish, use "EHV". (> 345 kV).
For Standard Finish, leave blank. (< 345 kV)

Step 4: Assemble Catalog Number

EXAMPLE: For 795 Drake ACSS Conductor with no terminal and EHV finish, the complete catalog number is: **SDACD-AS142HTNTEHV**

Notes

For instructions, see Solo HD ACSR/ACSS/ACSS-TW Adjustable Clevis Dead End installation instructions INS-ACA125 on page 52.

ASSEMBLY CATALOG NO.	CONDUCTORS						ALUMINUM HEX DIES
	CODE NAME	SIZE KCMIL	TYPE	STRAND		DIAMETER	
				AL	ST		
SDACD-AS114HT	ORIOLE ACSS/TW	336.4	23	18	7	0.693	20AH
SDACD-AS120HT	FLICKER ACSS/TW	447.0	13	18	7	0.776	24AH
SDACD-AS121HT	HAWK ACSS/TW	447.0	16	18	7	0.798	24AH
SDACD-AS122HT	HEN ACSS/TW	477.0	23	18	7	0.825	24AH
SDACD-AS124HT	PARAKEET ACSS/TW	556.5	13	18	7	0.835	24AH
SDACD-AS125HT	DOVE ACSS/TW	556.5	16	20	7	0.852	24AH
SDACD-AS858HT	CALUMET ACSS/TW	565.3	16	18	7	0.858	24AH
SDACD-AS846HT	MOHAWK ACSS/TW	571.7	13	18	7	0.846	24AH
SDACD-AS132HT	ROOK ACSS/TW	636.0	13	19	7	0.890	27AH
SDACD-AS133HT	GROSBEAK ACSS/TW	636.0	16	20	7	0.908	27AH
SDACD-AS182HT	SCOTER ACSS/TW	636.0	23	18	7	0.953	27AH
SDACD-AS927HT	OSWEGO ACSS/TW	664.8	16	20	7	0.927	27AH
SDACD-AS913HT	MYSTIC ACSS/TW	666.6	13	20	7	0.913	27AH
SDACD-AS990HT	WABASH ACSS/TW	762.8	16	20	7	0.990	30AH
SDACD-AS977HT	MAUMEE ACSS/TW	768.2	13	20	7	0.977	30AH
SDACD-AS140HT	TERN ACSS/TW	795.0	7	17	7	0.960	30AH
SDACD-AS980HT	PUFFIN ACSS/TW	795.0	10	18	7	0.980	30AH
SDACD-AS141HT	CONDOR ACSS/TW	795.0	13	20	7	0.993	30AH
SDACD-AS142HT	DRAKE ACSS/TW	795.0	16	20	7	1.010	30AH
SDACD-AS146HT	CANARY ACSS/TW	900.0	13	30	7	1.080	30AH
SDACD-AS077HT	FRASER ACSS/TW	946.7	10	35	7	1.077	30AH
SDACD-A3044HT	PHOENIX ACSS/TW	954.0	5	30	7	1.044	30AH
SDACD-AS148HT	RAIL ACSS/TW	954.0	7	32	7	1.061	30AH
SDACD-AS150HT	CARDINAL ACSS/TW	954.0	13	20	7	1.084	30AH
SDACD-AS060HT	KETTLE ACSS/TW	957.2	7	32	7	1.060	30AH
SDACD-AS108HT	SUWANNEE ACSS/TW	959.6	16	22	7	1.108	30AH
SDACD-AS092HT	COLUMBIA ACSS/TW	966.2	13	21	7	1.092	30AH
SDACD-AS153HT	SNOWBIRD ACSS/TW	1033.5	5	30	7	1.089	34AH
SDACD-AS152HT	ORTOLAN ACSS/TW	1033.5	7	32	7	1.102	34AH

continued

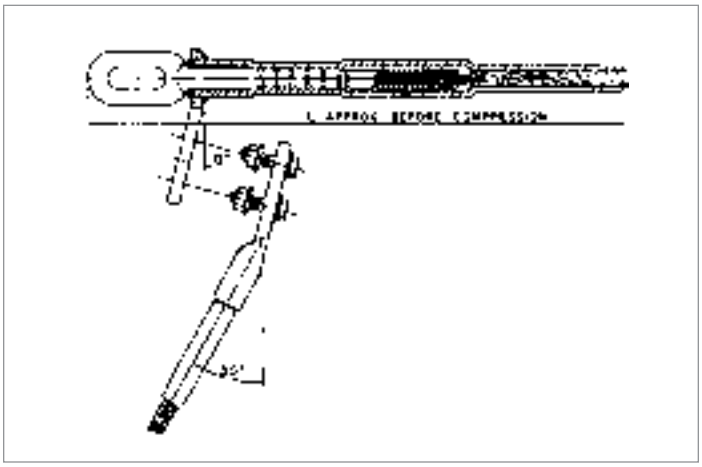
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Solo HD® Compression Dead End for ACSS/TW Conductor, Adjustable Clevis, Double Tongue

ASSEMBLY CATALOG NO.	CONDUCTORS						ALUMINUM HEX DIES
	CODE NAME	SIZE KCMIL	TYPE	STRAND		DIAMETER	
				AL	ST		
SDACD-AS154HT	CURLEW ACSS/TW	1033.5	13	22	7	1.128	34AH
SDACD-AS131HT	-	1080.0	7	20	7	1.131	34AH
SDACD-AS129HT	AVOCET ACSS/TW	1113.0	5	30	7	1.129	34AH
SDACD-AS155HT	BLUEJAY ACSS/TW	1113.0	7	33	7	1.143	34AH
SDACD-AS157HT	FINCH ACSS/TW	1113.0	13	38	19	1.185	34AH
SDACD-AS165HT	GENESEE ACSS/TW	1158.0	7	33	7	1.165	34AH
SDACD-AS196HT	HUDSON ACSS/TW	1158.4	13	26	7	1.196	34AH
SDACD-AS155HT	CHEYENNE ACSS/TW	1168.1	5	30	7	1.155	34AH
SDACD-AS167HT	OXBIRD ACSS/TW	1192.5	5	30	7	1.167	34AH
SDACD-AS158HT	BUNTING ACSS/TW	1192.5	7	33	7	1.191	34AH
SDACD-AS19HT	GRACKLE ACSS/TW	1192.5	13	38	19	1.225	36AH
SDACD-AS245HT	YUKON ACSS/TW	1233.6	13	38	19	1.245	34AH
SDACD-AS213HT	NELSON ACSS/TW	1257.1	7	35	7	1.213	34AH
SDACD-AS202HT	SCISSORTAIL ACSS/TW	1272.0	5	30	7	1.202	36AH
SDACD-AS203HT	CATAWBA ACSS/TW	1272.0	5	30	7	1.203	34AH
SDACD-AS161HT	BITTERN ACSS/TW	1272.0	7	35	7	1.220	36AH
SDACD-AS163HT	PHEASANT ACSS/TW	1272.0	13	39	19	1.264	36AH
SDACD-AS290HT	THAMES ACSS/TW	1334.6	13	39	19	1.290	36AH
SDACD-AS164HT	DIPPER ACSS/TW	1351.5	7	35	7	1.256	36AH
SDACD-AS166HT	MARTIN ACSS/TW	1351.5	13	39	19	1.300	38AH
SDACD-AS259HT	MACKENZIE ACSS/TW	1359.7	7	36	7	1.259	36AH
SDACD-AS248HT	TRUCKEE ACSS/TW	1372.5	5	30	7	1.248	34AH
SDACD-AS167HT	BOBOLINK ACSS/TW	1431.0	7	30	7	1.291	38AH
SDACD-AS169HT	PLOVER ACSS/TW	1431.0	13	37	19	1.337	38AH
SDACD-AS340HT	MERRIMACK ACSS/TW	1433.5	13	39	19	1.340	38AH
SDACD-AS302HT	MIRAMICHI ACSS/TW	1455.3	7	36	7	1.302	38AH
SDACD-AS292HT	ST. CROIX ACSS/TW	1467.8	5	33	7	1.292	38AH
SDACD-AS382HT	RIO GRAND ACSS/TW	1533.3	13	39	19	1.382	38AH
SDACD-AS345HT	POTOMAC ACSS/TW	1557.4	7	36	7	1.345	38AH
SDACD-AS334HT	PLATTE ACSS/TW	1569.0	5	33	7	1.334	38AH
SDACD-AS173HT	LAPWING ACSS/TW	1590.0	7	36	7	1.358	40AH
SDACD-AS174HT	FALCON ACSS/TW	1590.0	13	42	19	1.408	40AH
SDACD-AS424HT	PECOS ACSS/TW	1622.0	13	39	19	1.424	40AH
SDACD-AS386HT	SCHUYLKILL ACSS/TW	1657.4	7	36	7	1.386	40AH
SDACD-AS407HT	JAMES ACSS/TW	1730.6	13	34	19	1.407	42AH
SDACD-AS427HT	PEE DEE ACSS/TW	1758.6	7	37	7	1.427	40AH
SDACD-AS175HT	CHUKAR ACSS/TW	1780.0	8	37	19	1.445	42AH
SDACD-AS545HT	CUMBERLAND ACSS/TW	1926.9	13	42	19	1.545	42AH
SDACD-AS504HT	ATHABASKA ACSS/TW	1949.6	7	42	7	1.504	42AH
SDACD-AS602HT	POWDER ACSS/TW	2153.8	8	64	19	1.602	44AH
SDACD-AS178HT	BLUEBIRD ACSS/TW	2156.0	8	64	19	1.608	44AH
SDACD-AS762HT	SANTEE ACSS/TW	2627.3	8	64	19	1.762	48AH

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HiTemp Compression Dead End for ACSS Conductor, Eye Type, Single Tongue, 33100HT Series



The 33100HT Series Dead End Assembly is specifically designed for ACSS conductors. The body of the HiTemp Dead End is fabricated from a specially tempered aluminum that will transfer elevated current and dissipate increased heat more efficiently. The tongue and terminal pad are constructed with a 15° angle, which permits the terminal connector to be bolted in the straight or 30° position.

All HiTemp Dead Ends are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor. Each dead end assembly comes with terminal and aluminum hardware.

For die sizes 30AH and above, the end tapers of the compression portions of all compression accessories are supplied with a high voltage finish. Corona bolts are furnished as standard on 15° terminals for these die sizes.

The square edges of the bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix "EHV".

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector

For an assembly without a terminal connector, use "NT".
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish
For Extra High Voltage Finish, use "EHV". (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 4: Assemble Catalog Number

Assy Catalog Number + **Terminal Connector** + **EHV Finish**

Example:
For 795 Drake ACSS Conductor with no terminal and EHV finish, the complete catalog number is:

E33142HTNTEHV

Notes:
1. Eye Dimensions are on page 378.
2. Pad Dimensions are on page 378.
3. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 379.
4. Bolt Sizes and Torque Recommendations are on page 379.
5. Installation Instructions for Dead Ends start on page 384.
6. Installation Instructions for Terminals are on page 451.
7. For more information on die selection and ordering instructions, see the Tools and Equipment section of this catalog.

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HiTemp Compression Dead End for ACSS Conductor, Eye Type, Single Tongue, 33100HT Series (cont.)

Dead End Assembly Catalog Number	Conductor				Component Catalog Number			Die Size		Total Weight		Total Dead End Length		Pad Size
	Code Name	Size	Stranding	Diameter	Dead End Body	Steel Eye	15° Terminal	Aluminum	Steel	lbs	kg	in	mm	
		kcmil	Al/St	in										
E33109HT	Woodcock/ACSS	336.4	22/7	0.701	8120.781CHT	9176.228	5120.781HT	20AH	76SH	5.8	2.6	27.3	693	D
E33113HT	Linnet/ACSS	336.4	26/7	0.720	8120.812CHT	9110.277	5120.812HT	20AH	10SH	5.9	2.7	27.3	693	D
E33114HT	Oriole/ACSS	336.4	30/7	0.741	8120.781CHT	9110.332	5120.781HT	20AH	10SH	5.9	2.7	27.3	693	D
E33115HT	Ptarmigan/ACSS	397.5	20/7	0.752	8120.812CHT	9110.231	5120.812HT	20AH	10SH	5.6	2.6	26.6	676	D
E33116HT	Brant/ACSS	397.5	24/7	0.772	8120.812CHT	9110.261	5120.812HT	20AH	10SH	5.6	2.6	26.6	676	D
E33117HT	Ibis/ACSS	397.5	26/7	0.783	8120.844HT	9110.302	5120.844HT	20AH	10SH	5.4	2.5	26.6	676	D
E33118HT	Lark/ACSS	397.5	30/7	0.806	8120.844HT	9112.359	5120.844HT	20AH	12SH	5.5	2.5	26.6	676	D
E33119HT	Tailorbird/ACSS	477.0	20/7	0.823	8120.875HT	9210.231	5120.875HT	20AH	10SH	5.5	2.5	26.6	676	D
E33120HT	Flicker/ACSS	477.0	24/7	0.846	8124.938HT	9110.295	5124.938HT	24AH	10SH	6.8	3.1	26.7	677	D
E33121HT	Hawk/ACSS	477.0	26/7	0.858	8124.938HT	9112.332	5124.938HT	24AH	12SH	6.9	3.1	26.7	677	D
E33122HT	Hen/ACSS	477.0	30/7	0.883	8124.938CHT	9212.397	5124.938HT	24AH	12SH	7.6	3.4	26.8	681	D
E33123HT	Sapsucker/ACSS	556.5	22/7	0.901	8124.969HT	9210.277	5124.969HT	24AH	10SH	7.4	3.4	27.3	693	D
E33124HT	Parakeet/ACSS	556.5	24/7	0.914	8124.969HT	9210.316	5124.969HT	24AH	10SH	7.4	3.4	27.3	693	D
E33125HT	Dove/ACSS	556.5	26/7	0.927	8127.100HT	9212.359	5127.100HT	27AH	12SH	9.0	4.1	28.8	731	D
E33126HT	Eagle/ACSS	556.5	30/7	0.953	8127.100CHT	9314.432	5127.100HT	27AH	14SH	10.2	4.6	29.0	736	D
E33127HT	Peacock/ACSS	605.0	24/7	0.953	8127.100HT	9212.332	5127.100HT	27AH	12SH	9.0	4.1	28.8	731	D
E33128HT	Squab/ACSS	605.0	26/7	0.966	8127.100HT	9212.377	5127.100HT	27AH	12SH	9.3	4.2	28.8	731	D
E33130HT	Wood Duck/ACSS	605.0	30/7	0.994	8127.106HT	9314.441	5127.106HT	27AH	14SH	10.0	4.6	29.0	736	D
E33129HT	Teal/ACSS	605.0	30/19	0.994	8127.106HT	9314.441	5127.106HT	27AH	14SH	10.0	4.6	29.0	736	D
E33131HT	Goldfinch/ACSS	636.0	22/7	0.963	8127.106HT	9210.295	5127.100HT	27AH	10SH	8.8	4.0	28.8	731	D
E33132HT	Rook/ACSS	636.0	24/7	0.977	8127.106HT	9212.344	5127.106HT	27AH	12SH	9.0	4.1	28.8	731	D
E33133HT	Grosbeak/ACSS	636.0	26/7	0.990	8127.106HT	9212.386	5127.106HT	27AH	12SH	9.0	4.1	28.8	731	D
E33182HT	Scoter/ACSS	636.0	30/7	1.019	8127.106HT	9314.453	5127.106HT	27AH	14SH	10.0	4.6	29.0	736	D
E33134HT	Egret/ACSS	636.0	30/19	1.019	8127.106HT	9314.453	5127.106HT	27AH	14SH	10.0	4.6	29.0	736	D
E33135HT	Flamingo/ACSS	666.6	24/7	1.000	8127.106HT	9212.351	5127.106HT	27AH	12SH	9.0	4.1	28.8	731	D
E33183HT	Gannet/ACSS	666.6	26/7	1.014	8127.106HT	9314.397	5127.106HT	27AH	14SH	10.0	4.6	29.0	736	D
E33136HT	Stilt/ACSS	715.5	24/7	1.036	8130.109HT	9312.359	5130.109HT	30AH	12SH	12.0	5.5	29.3	746	D
E33137HT	Starling/ACSS	715.5	26/7	1.051	8130.116HT	9314.406	5130.109HT	30AH	14SH	12.2	5.6	29.8	759	D
E33138HT	Redwing/ACSS	715.5	30/19	1.081	8130.116HT	9316.500	5130.116HT	30AH	16SH	12.2	5.6	29.8	759	D
E33141HT	Cuckoo/ACSS	795.0	24/7	1.092	8130.116HT	9312.386	5130.116HT	30AH	12SH	11.6	5.3	29.8	759	D
E33142HT	Drake/ACSS	795.0	26/7	1.108	8130.122HT	9314.432	5130.122HT	30AH	14SH	11.8	5.4	29.8	759	D
E33144HT	Macaw/ACSS	795.0	42/7	1.055	8130.116HT	9310.261	5130.116HT	30AH	10SH	11.4	5.2	29.8	759	D
E33140HT	Tern/ACSS	795.0	45/7	1.063	8130.116HT	9310.277	5130.116HT	30AH	10SH	11.4	5.2	29.8	759	D
E33141HT	Condor/ACSS	795.0	54/7	1.092	8130.116HT	9312.386	5130.116HT	30AH	12SH	12.1	5.5	29.8	759	D
E33143HT	Mallard/ACSS	795.0	30/19	1.140	8130.122HT	9416.516	5130.122HT	30AH	16SH	12.0	5.5	30.5	774	D
E33145HT	Ruddy/ACSS	900.0	45/7	1.131	8130.122HT	9310.302	5130.122HT	30AH	10SH	11.2	5.1	30.3	771	D
E33146HT	Canary/ACSS	900.0	54/7	1.162	8130.122HT	9414.406	5130.122HT	30AH	14SH	12.0	5.5	30.5	774	D
E33147HT	Corncrake/ACSS	954.0	20/7	1.165	8130.125HT	9412.309	5130.125HT	30AH	12SH	11.7	5.3	30.5	774	D
E33184HT	Redbird/ACSS	954.0	24/7	1.196	8130.125HT	9414.422	5130.125HT	30AH	14SH	12.0	5.5	30.5	774	D
E33148HT	Rail/ACSS	954.0	45/7	1.165	8130.122HT	9410.302	5130.122HT	30AH	10SH	11.6	5.3	30.5	774	D
E33149HT	Towhee/ACSS	954.0	48/7	1.175	8130.125HT	9412.344	5130.125HT	30AH	12SH	11.7	5.3	31.2	793	D
E33150HT	Cardinal/ACSS	954.0	54/7	1.196	8130.125HT	9414.422	5130.125HT	30AH	14SH	12.0	5.5	31.2	793	D
E33151HT	Canvasback/ACSS	954.0	30/19	1.248	8134.134CHT	E9718.578	5134.134HT	34AH	18SH	14.8	6.7	32.9	836	D
E33153HT	Snowbird/ACSS	1033.5	42/7	1.203	8134.128HT	9410.277	5134.128HT	34AH	10SH	15.1	6.9	31.5	800	D
E33152HT	Ortolan/ACSS	1033.5	45/7	1.212	8134.134HT	9410.316	5134.134HT	34AH	10SH	15.1	6.9	31.5	800	D
E33154HT	Curlew/ACSS	1033.5	54/7	1.245	8134.134HT	9414.432	5134.134HT	34AH	14SH	14.8	6.7	32.1	815	D

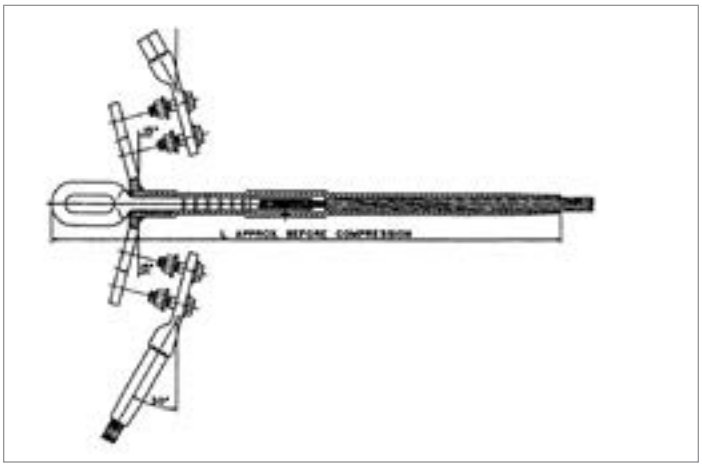
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HiTemp Compression Dead End for ACSS Conductor, Eye Type, Single Tongue, 33100HT Series (cont.)

Dead End Assembly Catalog Number	Conductor				Component Catalog Number			Die Size		Total Weight		Total Dead End Length		Pad Size
	Code Name	Size	Stranding	Diameter	Dead End Body	Steel Eye	15° Terminal	Aluminum	Steel	Lbs	kg	In	mm	
		kcmil	Al/St	In										
E33155HT	Bluejay/ACSS	1113.0	45/7	1.259	8134.134HT	9412.332	5134.134HT	34AH	12SH	14.5	6.6	32.1	815	D
E33157HT	Finch/ACSS	1113.0	54/19	1.293	8134.138CHT	E9614.453	5134.138HT	34AH	14SH	14.7	6.6	32.9	836	D
E33158HT	Bunting/ACSS	1192.5	45/7	1.302	8134.138HT	E9512.344	5134.138HT	34AH	12SH	14.5	6.6	32.1	817	D
E33159HT	Grackle/ACSS	1192.5	54/19	1.338	8136.144CHT	E9614.453	5136.144HT	36AH	14SH	16.3	7.4	32.3	820	D
E33161HT	Bittern/ACSS	1272.0	45/7	1.345	8136.144HT	E9512.351	5136.144HT	36AH	12SH	16.1	7.3	32.3	820	D
E33162HT	Diver/ACSS	1272.0	48/7	1.357	8136.144CHT	E9614.406	5136.144HT	36AH	14SH	16.3	7.4	32.3	820	D
E33163HT	Pheasant/ACSS	1272.0	54/19	1.382	8136.147HT	E9616.500	5136.147HT	36AH	16SH	16.7	7.6	32.5	827	D
E33164HT	Dipper/ACSS	1351.5	45/7	1.386	8136.147HT	E9612.377	5136.147HT	36AH	12SH	16.2	7.4	32.5	827	D
E33166HT	Martin/ACSS	1351.5	54/19	1.424	8138.156HT	E9616.500	5138.156HT	38AH	16SH	18.9	8.6	32.8	833	D
E33167HT	Bobolink/ACSS	1431.0	45/7	1.427	8138.150HT	E9612.377	5138.150HT	38AH	12SH	18.4	8.4	32.8	833	D
E33169HT	Plover/ACSS	1431.0	54/19	1.465	8138.156HT	E9616.516	5138.156HT	38AH	16SH	18.6	8.5	32.8	833	D
E33170HT	Nuthatch/ACSS	1510.0	45/7	1.466	8138.156HT	E9612.386	5138.156HT	38AH	12SH	18.1	8.2	32.8	833	D
E33172HT	Parrot/ACSS	1510.0	54/19	1.505	8140.162HT	E9616.531	5140.162HT	40AH	16SH	21.9	10.0	33.6	855	E
E33171HT	Ratite/ACSS	1590.0	42/7	1.492	8140.162HT	E9612.344	5140.162HT	40AH	12SH	21.4	9.7	33.6	855	E
E33173HT	Lapwing/ACSS	1590.0	45/7	1.504	8140.162HT	E9612.397	5140.162HT	40AH	12SH	21.4	9.7	33.6	855	E
E33174HT	Falcon/ACSS	1590.0	54/19	1.544	8140.162HT	E9718.546	5140.162HT	40AH	18SH	23.1	10.5	33.8	858	E
E33175HT	Chukar/ACSS	1780.0	84/19	1.602	8142.178HT	E9714.453	5142.178HT	42AH	14SH	23.5	10.7	35.0	889	E
E33176HT	Mockingbird/ACSS	2034.5	72/7	1.681	8142.178CHT	E9814.359	5142.178HT	42AH	14SH	25.1	11.4	35.0	889	E
E33177HT	Roadrunner/ACSS	2057.0	76/19	1.700	8142.178CHT	E9814.422	5142.178HT	42AH	14SH	25.1	11.4	35.0	889	E
E33178HT	Bluebird/ACSS	2156.0	84/19	1.762	8144.184HT	E9816.516	5144.184HT	44AH	16SH	25.6	11.6	32.8	835	E
E33179HT	Kiwi/ACSS	2167.0	72/7	1.735	8144.181HT	E9812.377	5144.181HT	44AH	12SH	25.6	11.6	32.8	835	E
E33180HT	Thrasher/ACSS	2312.0	76/19	1.802	8144.188HT	E9814.422	5144.188HT	44AH	14SH	25.6	11.6	32.8	835	E
E33181HT	Joree/ACSS	2515.0	76/19	1.880	8148.197HT	E9814.453	5148.197HT	48AH	14SH	29.4	13.4	37.3	948	E

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HiTemp Compression Dead End for ACSS Conductor, Eye Type, Double Tongue, 33300HT Series



The 33300HT Series Double Tongue Dead End Assembly is specifically designed for ACSS conductor. The body of the HiTemp Dead Ends are fabricated from a specially tempered aluminum that will transfer elevated current and dissipate increased heat more efficiently. The tongue and terminal pad are constructed with a 15° angle, which permits the terminal connector to be bolted in the straight or 30° position.

All HiTemp Dead Ends are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor. Each dead end assembly comes with two 15° terminals and aluminum hardware.

For die sizes 30AH and above, the end tapers of the compression portions of all compression accessories are supplied with a high voltage finish. Corona bolts are furnished as standard on 15° terminals for these die sizes.

The square edges of the bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix "EHV".

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector

For an assembly without a terminal connector, use "NT".
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish

For Extra High Voltage Finish, use "EHV". (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 4: Assemble Catalog Number

Assy Catalog Number + **Terminal Connector** + **EHV Finish**

Example:

For 795 Drake ACSS Conductor with no terminal and EHV finish, the complete catalog number is:

E33342HTNTEHV

Notes:

1. Eye Dimensions are on page 378.
2. Pad Dimensions are on page 378.
3. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 379.
4. Bolt Sizes and Torque Recommendations are on page 379.
5. Installation Instructions for Dead Ends start on page 384.
6. Installation Instructions for Terminals are on page 451.
7. For more information on die selection and ordering instructions, see the Tools and Equipment section of this catalog.

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HiTemp Compression Dead End for ACSS Conductor, Eye Type, Double Tongue, 33300HT Series (cont.)

Dead End Assembly Catalog Number	Conductor				Component Catalog Number			Die Size		Total Weight		Total Length L		Pad Size
	Code Name	Size	Stranding	Diameter	Dead End Body	Steel Eye	15° Terminal	Aluminum	Steel	lbs	kg	in	mm	
		kcmil	Al/St	in										
E33309HT	Woodcock/ACSS	336.4	22/7	0.701	8220.781CHT	9176.228	5120.781HT	20AH	76SH	6.4	2.9	27.3	693	D
E33313HT	Linnet/ACSS	336.4	26/7	0.720	8220.812CHT	9110.277	5120.812HT	20AH	10SH	6.4	2.9	27.3	693	D
E33314HT	Oriole/ACSS	336.4	30/7	0.741	8220.781CHT	9110.332	5120.781HT	20AH	10SH	6.4	2.9	27.3	693	D
E33315HT	Ptarmigan/ACSS	397.5	20/7	0.752	8220.812CHT	9110.231	5120.812HT	20AH	10SH	6.2	2.8	26.6	676	D
E33316HT	Brant/ACSS	397.5	24/7	0.772	8220.812CHT	9110.261	5120.812HT	20AH	10SH	6.2	2.8	26.6	676	D
E33317HT	Ibis/ACSS	397.5	26/7	0.783	8220.844HT	9110.302	5120.844HT	20AH	10SH	6.0	2.7	26.6	676	D
E33318HT	Lark/ACSS	397.5	30/7	0.806	8220.844HT	9112.359	5120.844HT	20AH	12SH	6.1	2.8	26.6	676	D
E33319HT	Tailorbird/ACSS	477.0	20/7	0.823	8220.875HT	9210.231	5120.875HT	20AH	10SH	5.8	2.7	26.6	676	D
E33320HT	Flicker/ACSS	477.0	24/7	0.846	8224.938HT	9110.295	5124.938HT	24AH	10SH	7.4	3.4	26.7	677	D
E33321HT	Hawk/ACSS	477.0	26/7	0.858	8224.938HT	9112.332	5124.938HT	24AH	12SH	7.5	3.4	26.7	677	D
E33322HT	Hen/ACSS	477.0	30/7	0.883	8224.938CHT	9212.397	5124.938HT	24AH	12SH	8.0	3.6	26.8	681	D
E33323HT	Sapsucker/ACSS	556.5	22/7	0.901	8224.969HT	9210.277	5124.969HT	24AH	10SH	7.8	3.6	27.3	693	D
E33324HT	Parakeet/ACSS	556.5	24/7	0.914	8224.969HT	9210.316	5124.969HT	24AH	10SH	7.8	3.6	27.3	693	D
E33325HT	Dove/ACSS	556.5	26/7	0.927	8227.100HT	9212.359	5127.100HT	27AH	12SH	10.0	4.6	28.8	731	D
E33326HT	Eagle/ACSS	556.5	30/7	0.953	8227.100CHT	9314.432	5127.100HT	27AH	14SH	11.2	5.1	28.8	731	D
E33327HT	Peacock/ACSS	605.0	24/7	0.953	8227.100HT	9212.332	5127.100HT	27AH	12SH	10.0	4.6	28.8	731	D
E33328HT	Squab/ACSS	605.0	26/7	0.966	8227.100HT	9212.377	5127.100HT	27AH	12SH	10.3	4.7	28.8	731	D
E33330HT	Wood Duck/ACSS	605.0	30/7	0.994	8227.106HT	9314.441	5127.106HT	27AH	14SH	11.1	5.1	29.0	736	D
E33329HT	Teal/ACSS	605.0	30/19	0.994	8227.106HT	9314.441	5127.106HT	27AH	14SH	11.1	5.1	29.0	736	D
E33331HT	Goldfinch/ACSS	636.0	22/7	0.963	8227.100HT	9212.295	5127.100HT	27AH	10SH	10.0	4.6	28.8	731	D
E33332HT	Rook/ACSS	636.0	24/7	0.977	8227.106HT	9212.344	5127.106HT	27AH	12SH	10.1	4.6	28.8	731	D
E33333HT	Grosbeak/ACSS	636.0	26/7	0.990	8227.106HT	9212.386	5127.106HT	27AH	12SH	10.1	4.6	28.8	731	D
E33382HT	Scoter/ACSS	636.0	30/7	1.019	8227.106HT	9314.453	5127.106HT	27AH	14SH	11.1	5.1	29.0	736	D
E33334HT	Egret/ACSS	636.0	30/19	1.019	8227.106HT	9314.453	5127.106HT	27AH	14SH	11.1	5.1	29.0	736	D
E33335HT	Flamingo/ACSS	666.6	24/7	1.000	8227.106HT	9212.351	5127.106HT	27AH	12SH	10.1	4.6	28.8	731	D
E33383HT	Gannet/ACSS	666.6	26/7	1.014	8227.106HT	9314.397	5127.106HT	27AH	14SH	11.1	5.1	29.3	746	D
E33336HT	Stilt/ACSS	715.5	24/7	1.036	8230.109HT	9312.359	5130.109HT	30AH	12SH	13.1	6.0	29.3	746	D
E33337HT	Starling/ACSS	715.5	26/7	1.051	8230.116HT	9314.406	5130.116HT	30AH	14SH	13.3	6.1	29.3	746	D
E33338HT	Redwing/ACSS	715.5	30/19	1.081	8230.116HT	9316.500	5130.116HT	30AH	16SH	13.1	6.0	29.8	759	D
E33341HT	Cuckoo/ACSS	795.0	24/7	1.092	8230.116HT	9312.386	5130.116HT	30AH	12SH	12.9	5.9	29.8	759	D
E33342HT	Drake/ACSS	795.0	26/7	1.108	8230.122HT	9314.432	5130.122HT	30AH	14SH	13.1	6.0	29.8	759	D
E33344HT	Macaw/ACSS	795.0	42/7	1.055	8230.116HT	9310.261	5130.116HT	30AH	10SH	12.7	5.8	29.8	759	D
E33340HT	Tern/ACSS	795.0	45/7	1.063	8230.116HT	9310.277	5130.116HT	30AH	10SH	12.7	5.8	29.8	759	D
E33341HT	Condor/ACSS	795.0	54/7	1.092	8230.116HT	9312.386	5130.116HT	30AH	12SH	12.9	5.9	29.8	759	D
E33343HT	Mallard/ACSS	795.0	30/19	1.140	8230.122HT	9416.516	5130.122HT	30AH	16SH	13.3	6.1	30.5	774	D
E33345HT	Ruddy/ACSS	900.0	45/7	1.131	8230.122HT	9310.302	5130.122HT	30AH	10SH	12.5	5.7	30.3	771	D
E33346HT	Canary/ACSS	900.0	54/7	1.162	8230.122HT	9414.406	5130.122HT	30AH	14SH	13.3	6.1	30.5	774	D
E33347HT	Corncrake/ACSS	954.0	20/7	1.165	8230.125HT	9412.309	5130.125HT	30AH	12SH	13.0	5.9	30.5	774	D
E33384HT	Redbird/ACSS	954.0	24/7	1.196	8230.125HT	9414.422	5130.125HT	30AH	14SH	13.2	6.0	31.2	793	D
E33348HT	Rail/ACSS	954.0	45/7	1.165	8230.122HT	9410.302	5130.122HT	30AH	10SH	12.9	5.9	30.5	774	D
E33349HT	Towhee/ACSS	954.0	48/7	1.175	8230.125HT	9412.344	5130.125HT	30AH	12SH	12.9	5.9	31.2	793	D
E33350HT	Cardinal/ACSS	954.0	54/7	1.196	8230.125HT	9414.422	5130.125HT	30AH	14SH	13.2	6.0	31.2	793	D
E33351HT	Canvasback/ACSS	954.0	30/19	1.248	8234.134CHT	E9718.578	5134.134HT	34AH	18SH	15.9	7.2	32.9	836	D
E33353HT	Snowbird/ACSS	1033.5	42/7	1.203	8234.128HT	9410.277	5134.128HT	34AH	10SH	16.2	7.4	31.5	800	D
E33352HT	Ortolan/ACSS	1033.5	45/7	1.212	8234.134HT	9410.316	5134.134HT	34AH	10SH	15.9	7.2	32.1	817	D
E33354HT	Curlew/ACSS	1033.5	54/7	1.245	8234.134HT	9414.432	5134.134HT	34AH	14SH	15.9	7.2	32.1	817	D
E33355HT	Bluejay/ACSS	1113.0	45/7	1.259	8234.134HT	9412.332	5134.134HT	34AH	12SH	14.7	6.7	32.1	817	D
E33357HT	Finch/ACSS	1113.0	54/19	1.293	8234.138CHT	E9614.453	5134.138HT	34AH	14SH	16.3	7.4	32.1	817	D
E33358HT	Bunting/ACSS	1192.5	45/7	1.302	8234.138HT	E9512.344	5134.138HT	34AH	12SH	15.6	7.1	32.1	817	D
E33359HT	Grackle/ACSS	1192.5	54/19	1.338	8236.144CHT	E9614.453	5136.144HT	36AH	14SH	17.3	7.9	32.3	820	D
E33361HT	Bittern/ACSS	1272.0	45/7	1.345	8236.144HT	E9512.351	5136.144HT	36AH	12SH	17.1	7.8	32.9	836	D
E33362HT	Diver/ACSS	1272.0	48/7	1.357	8236.144CHT	E9614.406	5136.144HT	36AH	14SH	17.3	7.9	32.9	836	D
E33363HT	Pheasant/ACSS	1272.0	54/19	1.382	8236.147HT	E9616.500	5136.147HT	36AH	16SH	17.7	8.1	32.5	827	D
E33364HT	Dipper/ACSS	1351.5	45/7	1.386	8236.147HT	E9612.377	5136.147HT	36AH	12SH	17.2	7.8	32.5	827	D
E33366HT	Martin/ACSS	1351.5	54/19	1.424	8238.156HT	E9616.500	5138.156HT	38AH	16SH	20.1	9.1	32.8	833	D

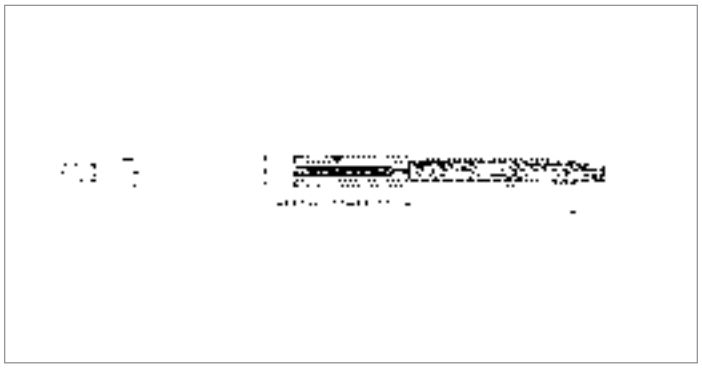
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HiTemp Compression Dead End for ACSS Conductor, Eye Type, Double Tongue, 33300HT Series (cont.)

Dead End Assembly Catalog Number	Conductor				Component Catalog Number			Die Size		Total Weight		Total Length L		Pad Size
	Code Name	Size	Stranding	Diameter	Dead End Body	Steel Eye	15° Terminal	Aluminum	Steel	lbs	kg	in	mm	
		kcmil	Al/St	in										
E33367HT	Bobolink/ACSS	1431.0	45/7	1.427	8238.150HT	E9612.377	5138.150HT	38AH	12SH	19.6	8.91	32.8	833	D
E33369HT	Plover/ACSS	1431.0	54/19	1.465	8238.156HT	E9616.516	5138.156HT	38AH	16SH	19.8	9.00	32.8	833	D
E33370HT	Nuthatch/ACSS	1510.0	45/7	1.466	8238.156HT	E9612.386	5138.156HT	38AH	12SH	19.3	8.77	32.8	833	D
E33372HT	Parrot/ACSS	1510.0	54/19	1.505	8240.162HT	E9616.531	5140.162HT	40AH	16SH	24.3	11.05	33.6	855	E
E33371HT	Ratite/ACSS	1590.0	42/7	1.492	8240.162HT	E9612.344	5140.162HT	40AH	12SH	23.8	10.82	33.6	855	E
E33373HT	Lapwing/ACSS	1590.0	45/7	1.504	8240.162HT	E9612.397	5140.162HT	40AH	12SH	23.8	10.82	33.6	855	E
E33374HT	Falcon/ACSS	1590.0	54/19	1.544	8240.162HT	E9718.546	5140.162HT	40AH	18SH	25.5	11.59	33.8	858	E
E33375HT	Chukar/ACSS	1780.0	84/19	1.602	8242.178HT	E9714.453	5142.178HT	42AH	14SH	24.3	11.05	35.0	889	E
E33376HT	Mockingbird/ACSS	2034.5	72/7	1.681	8242.178CHT	E9814.359	5142.178HT	42AH	14SH	25.0	11.36	35.0	889	E
E33377HT	Roadrunner/ACSS	2057.0	76/19	1.700	8242.178CHT	E9814.422	5142.178HT	42AH	14SH	25.0	11.36	35.0	889	E
E33378HT	Bluebird/ACSS	2156.0	84/19	1.762	8244.184HT	E9816.516	5144.184HT	44AH	16SH	26.1	11.86	32.8	835	E
E33379HT	Kiwi/ACSS	2167.0	72/7	1.735	8244.181HT	E9812.377	5144.181HT	44AH	12SH	26.1	11.86	32.8	835	E
E33380HT	Thrasher/ACSS	2312.0	76/19	1.802	8244.188HT	E9814.422	5144.188HT	44AH	14SH	26.3	11.95	32.8	835	E
E33381HT	Joree/ACSS	2515.0	76/19	1.880	8248.197HT	E9814.453	5148.197HT	48AH	14SH	29.2	13.27	37.3	948	E

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HiTemp Compression Joint for ACSS Conductor, 33000HT Series



Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

For 795 Drake ACSS Conductor, the complete catalog number is:

33043HT

The 33000HT Series Compression Joint Assembly is specifically designed for ACSS conductors. The HiTemp Compression Joint is fabricated from a specially tempered aluminum that will will transfer elevated current and dissipate increased heat more efficiently.

All HiTemp Compression Joints are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor. Each compression joint assembly comes with an aluminum joint and a steel sleeve.

For die sizes 30AH and above, the end tapers of the compression portions of all compression accessories are supplied with a high voltage finish.

Notes:

1. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 379.
2. Installation Instructions for Joints are on page 400.
3. For more information on die selction and ordering instructions, see the Tools and Equipment section of this catalog.

JOINT ASSEMBLY CATALOG NUMBER	CONDUCTOR				COMPONENT CATALOG NO.		DIE SIZE		WEIGHT				TOTAL LENGTH L	
	CODE NAME	SIZE	STRANDING	DIAMETER	ALUMINUM JOINT	STEEL SLEEVE			ALUMINUM		STEEL			
		KCMIL	AL/ST	IN			ALUMINUM	STEEL	LBS	KG	LBS	KG	IN	MM
33012HT	Partridge/ACSS	266.8	26/7	0.642	8076.688HT	4076.246	76AH	76SH	2.4	1.0	0.3	0.1	33.7	857
33013HT	—	300.0	22/7	0.662	8076.719HT	4076.228	76AH	76SH	2.3	1.0	0.3	0.1	33.7	857
33010HT	Woodcock/ACSS	336.4	22/7	0.701	8020.781HT	4076.228	20AH	76SH	2.6	1.2	0.3	0.1	36.8	936
33014HT	Linnet/ACSS	336.4	26/7	0.720	8020.812HT	4010.277	20AH	10SH	2.6	1.2	0.4	0.2	36.8	936
33015HT	Oriole/ACSS	336.4	30/7	0.741	8020.781HT	4010.332	20AH	10SH	2.6	1.2	0.5	0.2	36.8	936
33016HT	Ptarmigan/ACSS	397.5	20/7	0.752	8020.812HT	4010.231	20AH	10SH	2.5	1.1	0.5	0.2	35.1	893
33082HT	Brant/ACSS	397.5	24/7	0.772	8020.812HT	4010.261	20AH	10SH	2.5	1.1	0.4	0.2	35.1	893
33017HT	Ibis/ACSS	397.5	26/7	0.783	8020.844HT	4010.302	20AH	10SH	2.3	1.0	0.5	0.2	35.1	893
33018HT	Lark/ACSS	397.5	30/7	0.806	8020.844HT	4012.359	20AH	12SH	2.3	1.0	0.7	0.3	35.1	893
33019HT	Tailorbird/ACSS	477.0	20/7	0.823	8020.875HT	4010.231	20AH	10SH	2.3	1.0	0.5	0.2	35.1	893
33021HT	Flicker/ACSS	477.0	24/7	0.846	8024.938HT	4010.295	24AH	10SH	3.7	1.7	0.4	0.2	35.1	892
33022HT	Hawk/ACSS	477.0	26/7	0.858	8024.938HT	4012.332	24AH	12SH	3.7	1.7	0.8	0.3	35.1	892
33023HT	Hen/ACSS	477.0	30/7	0.883	8024.938HT	4012.397	24AH	12SH	3.7	1.7	0.8	0.4	35.1	892
33024HT	Sapsucker/ACSS	556.5	22/7	0.901	8024.969HT	4010.277	24AH	10SH	3.6	1.6	0.4	0.2	35.1	893
33025HT	Parakeet/ACSS	556.5	24/7	0.914	8024.969HT	4010.316	24AH	10SH	3.6	1.6	0.5	0.2	35.1	893
33026HT	Dove/ACSS	556.5	26/7	0.927	8027.100HT	4012.359	27AH	12SH	5.6	2.5	0.7	0.3	38.3	974
33027HT	Eagle/ACSS	556.5	30/7	0.953	8027.100HT	4014.432	27AH	14SH	5.6	2.5	1.3	0.6	38.3	974
33028HT	Peacock/ACSS	605.0	24/7	0.953	8027.100HT	4012.332	27AH	12SH	5.6	2.5	0.8	0.3	38.3	974
33029HT	Squab/ACSS	605.0	26/7	0.966	8027.100HT	4012.377	27AH	12SH	5.6	2.5	0.8	0.4	38.3	974
33086HT	Wood Duck/ACSS	605.0	30/7	0.994	8027.106HT	4014.441	27AH	14SH	5.1	2.3	1.3	0.6	39.0	990
33030HT	Teal/ACSS	605.0	30/19	0.994	8027.106HT	4014.441	27AH	14SH	5.1	2.3	1.3	0.6	39.0	990
33031HT	Goldfinch/ACSS	636.0	22/7	0.963	8027.100HT	4010.295	27AH	10SH	5.6	2.5	0.4	0.2	39.0	990
33032HT	Rook/ACSS	636.0	24/7	0.977	8027.106HT	4012.344	27AH	12SH	5.1	2.3	0.7	0.3	39.0	990

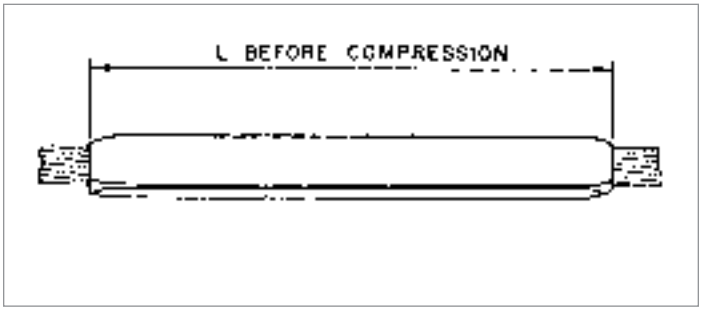
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HiTemp Compression Joint for ACSS Conductor, 33000HT Series (cont.)

JOINT ASSEMBLY CATALOG NUMBER	CONDUCTOR				COMPONENT CATALOG NO.		DIE SIZE		WEIGHT				TOTAL LENGTH L	
	CODE NAME	SIZE	STRANDING	DIAMETER	ALUMINUM JOINT	STEEL SLEEVE			ALUMINUM		STEEL			
		KCMIL	AL/ST	IN			ALUMINUM	STEEL	LBS	KG	LBS	KG	IN	MM
33033HT	Grosbeak/ACSS	636.0	26/7	0.990	8027.106HT	4012.386	27AH	12SH	5.1	2.3	0.8	0.4	39.0	990
33087HT	Scoter/ACSS	636.0	30/7	1.019	8027.106HT	4014.453	27AH	14SH	5.1	2.3	1.2	0.5	39.0	990
33034HT	Egret/ACSS	636.0	30/19	1.019	8027.106HT	4014.453	27AH	14SH	5.1	2.3	1.2	0.5	39.0	990
33035HT	Flamingo/ACSS	666.6	24/7	1.000	8027.106HT	4012.351	27AH	12SH	5.1	2.3	0.7	0.4	39.0	990
33036HT	Gannet/ACSS	666.6	26/7	1.014	8027.106HT	4014.397	27AH	14SH	5.1	2.3	1.2	0.5	39.0	990
33084HT	Stilt/ACSS	715.5	24/7	1.036	8030.109HT	4012.359	30AH	12SH	6.5	3.0	0.7	0.3	38.0	965
33037HT	Starling/ACSS	715.5	26/7	1.051	8030.116HT	4014.406	30AH	14SH	6.5	3.0	1.2	0.5	40.1	1019
33038HT	Redwing/ACSS	715.5	30/19	1.081	8030.116HT	4016.500	30AH	16SH	6.5	3.0	1.7	0.8	40.1	1019
33085HT	Cuckoo/ACSS	795.0	24/7	1.092	8030.116HT	4012.386	30AH	12SH	6.5	3.0	0.8	0.4	40.1	1019
33043HT	Drake/ACSS	795.0	26/7	1.108	8030.122HT	4014.432	30AH	14SH	6.5	3.0	1.3	0.6	40.1	1019
33041HT	Macaw/ACSS	795.0	42/7	1.055	8030.116HT	4010.261	30AH	10SH	6.5	3.0	0.4	0.2	40.1	1019
33040HT	Tern/ACSS	795.0	45/7	1.063	8030.116HT	4010.277	30AH	10SH	6.5	3.0	0.4	0.2	40.1	1019
33042HT	Condor/ACSS	795.0	54/7	1.092	8030.116HT	4012.386	30AH	12SH	6.5	3.0	0.8	0.4	40.1	1019
33044HT	Mallard/ACSS	795.0	30/19	1.140	8030.122HT	4016.516	30AH	16SH	6.3	2.9	1.6	0.7	42.0	1066
33047HT	Ruddy/ACSS	900.0	45/7	1.131	8030.122HT	4010.302	30AH	10SH	6.3	2.9	0.5	0.2	42.0	1066
33046HT	Canary/ACSS	900.0	54/7	1.162	8030.122HT	4014.406	30AH	14SH	6.3	2.9	1.2	0.5	42.0	1066
33045HT	Corncrake/ACSS	954.0	20/7	1.165	8030.125HT	4012.309	30AH	12SH	6.1	2.8	0.7	0.3	42.1	1071
33088HT	Redbird/ACSS	954.0	24/7	1.196	8030.125HT	4014.422	30AH	14SH	6.1	2.8	1.3	0.6	42.1	1071
33047HT	Rail/ACSS	954.0	45/7	1.165	8030.122HT	4010.302	30AH	10SH	6.3	2.9	0.5	0.2	42.0	1066
33089HT	Towhee/ACSS	954.0	48/7	1.175	8030.125HT	4012.344	30AH	12SH	6.1	2.8	0.7	0.3	42.1	1071
33049HT	Cardinal/ACSS	954.0	54/7	1.196	8030.125HT	4014.422	30AH	14SH	6.1	2.8	1.2	0.5	42.1	1071
33090HT	Canvasback/ACSS	954.0	30/19	1.248	8034.134HT	4018.578	34AH	18SH	8.8	4.0	2.0	0.9	44.7	1136
33091HT	Snowbird/ACSS	1033.5	42/7	1.203	8034.128HT	4010.277	34AH	10SH	6.5	2.9	0.5	0.2	42.1	1071
33050HT	Ortolan/ACSS	1033.5	45/7	1.212	8034.134HT	4010.316	34AH	10SH	8.8	4.0	0.4	0.2	44.7	1136
33052HT	Curlew/ACSS	1033.5	54/7	1.245	8034.134HT	4014.432	34AH	14SH	8.8	4.0	1.3	0.6	44.7	1136
33053HT	Bluejay/ACSS	1113.0	45/7	1.259	8034.134HT	4012.332	34AH	12SH	8.8	4.0	0.7	0.3	44.7	1136
33055HT	Finch/ACSS	1113.0	54/19	1.293	8034.138HT	4014.453	34AH	14SH	9.0	4.1	1.2	0.5	45.0	1143
33056HT	Bunting/ACSS	1192.5	45/7	1.302	8034.138HT	4012.344	34AH	12SH	9.0	4.1	0.7	0.3	45.0	1143
33058HT	Grackle/ACSS	1192.5	54/19	1.338	8036.144HT	4014.453	36AH	14SH	10.0	5.3	1.2	0.5	45.5	1155
33059HT	Bittern/ACSS	1272.0	45/7	1.345	8036.144HT	4012.351	36AH	12SH	10.0	4.5	0.7	0.4	45.5	1155
33054HT	Diver/Acss	1272.0	48/7	1.357	8036.144HT	4014.406	36AH	14SH	10.0	4.5	1.2	0.5	45.5	1155
33061HT	Pheasant/ACSS	1272.0	54/19	1.382	8036.147HT	4016.500	36AH	16SH	9.8	4.5	1.7	0.8	46.0	1168
33062HT	Dipper/ACSS	1351.5	45/7	1.386	8036.147HT	4012.377	36AH	12SH	9.8	4.5	0.8	0.4	46.0	1168
33064HT	Martin/ACSS	1351.5	54/19	1.424	8038.156HT	4016.500	38AH	16SH	11.0	5.0	1.6	0.7	46.3	1178
33065HT	Bobolink/ACSS	1431.0	45/7	1.427	8038.150HT	4012.377	38AH	12SH	11.7	5.3	0.8	0.4	46.3	1178
33067HT	Plover/ACSS	1431.0	54/19	1.465	8038.156HT	4016.516	38AH	16SH	11.0	5.0	1.6	0.7	46.3	1178
33068HT	Nuthatch/ACSS	1510.0	45/7	1.466	8038.156HT	4012.386	38AH	12SH	11.0	5.0	0.8	0.4	46.3	1178
33070HT	Parrot/ACSS	1510.0	54/19	1.505	8040.162HT	4016.531	40AH	16SH	12.6	5.7	1.6	0.7	47.0	1193
33069HT	Ratite/ACSS	1590.0	42/7	1.492	8040.162HT	4012.344	40AH	12SH	12.6	5.7	0.7	0.3	47.0	1193
33071HT	Lapwing/ACSS	1590.0	45/7	1.504	8040.162HT	4012.397	40AH	12SH	12.6	5.7	0.8	0.4	47.0	1193
33072HT	Falcon/ACSS	1590.0	54/19	1.544	8040.162HT	4018.546	40AH	18SH	12.6	5.7	2.1	1.0	47.0	1193
33073HT	Chukar/ACSS	1780.0	84/19	1.602	8042.178HT	4014.453	42AH	14SH	13.4	6.1	1.2	0.5	48.2	1225
33074HT	Mockingbird/ACSS	2034.5	72/7	1.681	8042.178HT	4014.359	42AH	14SH	13.4	6.1	1.4	0.6	48.2	1225
33075HT	Roadrunner/ACSS	2057.0	76/19	1.700	8042.178HT	4014.422	42AH	14SH	13.4	6.1	1.2	0.5	48.2	1225
33076HT	Bluebird/ACSS	2156.0	84/19	1.762	8044.184HT	4016.516	44AH	16SH	13.9	6.3	1.6	0.7	44.6	1133
33077HT	Kiwi/ACSS	2167.0	72/7	1.735	8044.181HT	4012.377	44AH	12SH	14.9	6.7	0.8	0.4	46.6	1184
33078HT	Thrasher/ACSS	2312.0	76/19	1.802	8044.188HT	4014.422	44AH	14SH	13.9	6.3	1.2	0.5	46.6	1184
33079HT	Joree/ACSS	2515.0	76/19	1.880	8048.197HT	4014.453	44AH	14SH	16.5	7.5	1.2	0.5	52.3	1330

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HiTemp Repair Sleeve for ACSS Conductor, 5200HT Series



The 5200HT Series Repair Sleeve is specifically designed for ACSS and ACSS/TW Conductor. The repair sleeves incorporate an improved design of interlocking extrusion, providing a permanent grip on the conductor when compressed. The repair sleeve will restore the cable to 95% of its rated strength with up to one-third of the aluminum strands damaged.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

For 795 Drake ACSS Conductor, the complete catalog number is:

5230.3HT

NOTES:

1. Installation Instructions for Repair Sleeves are on page 412.
2. For more information on die selction and ordering instructions, see the Tools and Equipment section of this catalog.

CATALOG NO.	CONDUCTOR				DIE SIZE	WEIGHT		TOTAL LENGTH L	
	CODE NAME	SIZE	STRANDING	DIAMETER					
		KCMIL	AL/ST	IN		LBS	KG	IN	MM
5276.3HT	Partridge/ACSS	266.8	26/7	0.642	76AH	1.2	0.5	18.0	457
5220.3HT	WoodCock/ACSS	336.4	22/7	0.701	20AH	1.7	0.8	22.5	571
5220.3HT	Linnet/ACSS	336.4	26/7	0.720	20AH	1.7	0.8	22.5	571
5220.3HT	Oriole/ACSS	336.4	30/7	0.741	20AH	1.7	0.8	22.5	571
5220.3HT	Ptarmigan/ACSS	397.5	20/7	0.752	20AH	1.7	0.8	22.5	571
5220.3HT	Brant/ACSS	397.5	24/7	0.772	20AH	1.7	0.8	22.5	571
5220.3HT	Ibis/ACSS	397.5	26/7	0.783	20AH	1.7	0.8	22.5	571
5220.3HT	Lark/ACSS	397.5	30/7	0.806	20AH	1.7	0.8	22.5	571
5220.3HT	Tailorbird/ACSS	477.0	20/7	0.823	20AH	1.7	0.8	22.5	571
5224.3HT	Flicker/ACSS	477.0	24/7	0.846	24AH	2.6	1.2	23.5	596
5224.3HT	Hawk/ACSS	477.0	26/7	0.858	24AH	2.6	1.2	23.5	596
5224.3HT	Hen/ACSS	477.0	30/7	0.883	24AH	2.6	1.2	23.5	596
5224.3HT	Sapsucker/ACSS	556.5	22/7	0.901	24AH	2.6	1.2	23.5	596
5224.3HT	Parakeet/ACSS	556.5	24/7	0.914	24AH	2.6	1.2	23.5	596
5227.3HT	Dove/ACSS	556.5	26/7	0.927	27AH	3.5	1.6	26.3	668
5227.3HT	Eagle/ACSS	556.5	30/7	0.953	27AH	3.5	1.6	26.3	668
5227.3HT	Peacock/ACSS	605.0	24/7	0.953	27AH	3.5	1.6	26.3	668
5227.3HT	Squab/ACSS	605.0	26/7	0.966	27AH	3.5	1.6	26.3	668
5227.3HT	Wood Duck/ACSS	605.0	30/7	0.994	27AH	3.5	1.6	26.3	668
5227.3HT	Teal/ACSS	605.0	30/19	0.994	27AH	3.5	1.6	26.3	668
5227.3HT	Goldfinch/ACSS	636.0	22/7	0.966	27AH	3.5	1.6	26.3	668
5227.3HT	Rook/ACSS	636.0	24/7	0.977	27AH	3.5	1.6	26.3	668
5227.3HT	Grosbeak/ACSS	636.0	26/7	0.990	27AH	3.5	1.6	26.3	668
5227.3HT	Scoter/ACSS	636.0	30/7	1.019	27AH	3.5	1.6	26.3	668
5227.3HT	Egret/ACSS	636.0	30/19	1.019	27AH	3.5	1.6	26.3	668

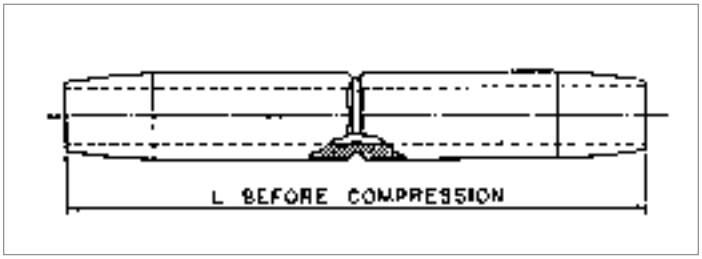
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HiTemp Repair Sleeve for ACSS Conductor, 5200HT Series (cont.)

CATALOG NUMBER	CONDUCTOR				DIE SIZE	WEIGHT		TOTAL LENGTH L	
	CODE NAME	SIZE	STRANDING	DIAMETER					
		KCMIL	AL/ST	IN		LBS	KG	IN	MM
5227.3HT	Flamingo/ACSS	666.6	24/7	1.000	27AH	3.5	1.6	26.3	668
5227.3HT	Gannet/ACSS	666.6	26/7	1.014	27AH	3.5	1.6	26.3	668
5230.3HT	Stilt/ACSS	715.5	24/7	1.036	30AH	4.2	1.9	27.1	688
5230.3HT	Starling/ACSS	715.5	26/7	1.051	30AH	4.2	1.9	27.1	688
5230.3HT	Redwing/ACSS	715.5	30/19	1.081	30AH	4.2	1.9	27.1	688
5230.3HT	Cuckoo/ACSS	795.0	24/7	1.092	30AH	4.2	1.9	27.1	688
5230.3HT	Drake/ACSS	795.0	26/7	1.108	30AH	4.2	1.9	27.1	688
5230.3HT	Macaw/ACSS	795.0	42/7	1.055	30AH	4.2	1.9	27.1	688
5230.3HT	Tern/ACSS	795.0	45/7	1.063	30AH	4.2	1.9	27.1	688
5230.3HT	Condor/ACSS	795.0	54/7	1.092	30AH	4.2	1.9	27.1	688
5230.3HT	Mallard/ACSS	795.0	30/19	1.140	30AH	4.2	1.9	27.1	688
5230.3HT	Ruddy/ACSS	900.0	45/7	1.131	30AH	4.2	1.9	27.1	688
5230.3HT	Canary/ACSS	900.0	54/7	1.162	30AH	4.2	1.9	27.1	688
5230.3HT	Corncrake/ACSS	954.0	20/7	1.165	30AH	4.2	1.9	27.1	688
5230.3HT	Redbird/ACSS	954.0	24/7	1.196	30AH	4.2	1.9	27.1	688
5230.3HT	Rail/ACSS	954.0	45/7	1.165	30AH	4.2	1.9	27.1	688
5230.3HT	Towhee/ACSS	954.0	48/7	1.175	30AH	4.2	1.9	27.1	688
5230.3HT	Cardinal/ACSS	954.0	54/7	1.196	30AH	4.2	1.9	27.1	688
5234.3HT	Canvasback/ACSS	954.0	30/19	1.248	34AH	5.8	2.6	28.1	714
5234.3HT	Snowbird/ACSS	1033.5	42/7	1.203	34AH	5.8	2.6	28.1	714
5234.3HT	Ortolan/ACSS	1033.5	45/7	1.212	34AH	5.8	2.6	28.1	714
5234.3HT	Curlew/ACSS	1033.5	54/7	1.245	34AH	5.8	2.6	28.1	714
5234.3HT	Bluejay/ACSS	1113.0	45/7	1.259	34AH	5.8	2.6	28.1	714
5234.3HT	Finch/ACSS	1113.0	54/19	1.293	34AH	5.8	2.6	28.1	714
5234.3HT	Bunting/ACSS	1192.5	45/7	1.302	34AH	5.8	2.6	28.1	714
5236.3HT	Grackle/ACSS	1192.5	54/19	1.338	36AH	6.0	2.7	29.0	737
5236.3HT	Bittern/ACSS	1272.0	45/7	1.345	36AH	6.0	2.7	29.0	737
5236.3HT	Diver/ACSS	1272.0	48/7	1.357	36AH	6.0	2.7	29.0	737
5236.3HT	Pheasant/ACSS	1272.0	54/19	1.382	36AH	6.0	2.7	29.0	737
5236.3HT	Dipper/ACSS	1351.5	45/7	1.386	36AH	6.0	2.7	29.0	737
5238.3HT	Martin/ACSS	1351.5	54/19	1.424	38AH	7.1	3.2	29.8	757
5238.3HT	Bobolink/ACSS	1431.0	45/7	1.427	38AH	7.1	3.2	29.8	757
5238.3HT	Plover/ACSS	1431.0	54/19	1.465	38AH	7.1	3.2	29.8	757
5238.3HT	Nuthatch/ACSS	1510.0	45/7	1.466	38AH	7.1	3.2	29.8	757
5240.3HT	Parrot/ACSS	1510.0	54/19	1.505	40AH	8.2	3.7	30.7	780
5240.3HT	Ratite/ACSS	1590.0	42/7	1.492	40AH	8.2	3.7	30.7	780
5240.3HT	Lapwing/ACSS	1590.0	45/7	1.504	40AH	8.2	3.7	30.7	780
5240.3HT	Falcon/ACSS	1590.0	54/19	1.544	40AH	8.2	3.7	30.7	780
5242.3HT	Chukar/ACSS	1780.0	84/19	1.602	42AH	9.5	4.3	31.6	803
5242.3HT	Mockingbird/ACSS	2034.5	72/7	1.681	42AH	9.5	4.3	31.6	803
5242.3HT	Roadrunner/ACSS	2057.0	76/19	1.700	42AH	9.5	4.3	31.6	803
5244.3HT	Bluebird/ACSS	2156.0	84/19	1.762	44AH	10.8	4.9	32.5	826
5244.3HT	Kiwi/ACSS	2167.0	72/7	1.735	44AH	10.8	4.9	32.5	826
5244.3HT	Thrasher/ACSS	2312.0	76/19	1.802	44AH	10.8	4.9	32.5	826
5248.3HT	Joree/ACSS	2515.0	76/19	1.880	48AH	12.0	5.5	32.5	826

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HiTemp Jumper Connector for ACSS Conductor, 5000HT Series



The 5000HT Series Jumper Connector is specifically designed for ACSS and ACSS/TW conductors. The HiTemp Jumper Connector is fabricated from a specially tempered aluminum that will transfer elevated current and dissipate increased heat more efficiently.

All HiTemp Jumper Connectors are designed for limited tension use, maintaining a minimum of 40% of the ASTM rated strength of the conductor. For die sizes 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: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

For 795 Drake ACSS Conductor, the complete catalog number is:

5030.116HT

Notes:

1. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 379.
2. Installation Instructions for Jumper Connectors are on page 413.
3. For more information on die selction and ordering instructions, see the Tools and Equipment section of this catalog.

CATALOG NUMBER	CONDUCTOR				DIE SIZE	WEIGHT		TOTAL LENGTH L	
	CODE NAME	SIZE	STRANDING	DIAMETER					
		KCMIL	AL/ST	IN		LBS	KG	IN	MM
5076.688HT	Partridge/ACSS	266.8	26/7	0.642	76AH	1.2	0.5	17.0	431
5020.781HT	Woodcock/ACSS	336.4	22/7	0.701	20AH	1.3	0.6	17.0	431
5020.812HT	Linnet/ACSS	336.4	26/7	0.720	20AH	1.3	0.6	18.0	457
5020.781HT	Oriole/ACSS	336.4	30/7	0.741	20AH	1.3	0.6	18.0	457
5020.812HT	Ptarmigan/ACSS	397.5	20/7	0.752	20AH	1.3	0.6	18.0	457
5020.812HT	Brant/ACSS	397.5	24/7	0.772	20AH	1.3	0.6	18.0	457
5020.844HT	Ibis/ACSS	397.5	26/7	0.783	20AH	1.2	0.5	18.0	457
5020.844HT	Lark/ACSS	397.5	30/7	0.806	20AH	1.2	0.5	18.0	457
5020.875HT	Tailorbird/ACSS	477.0	20/7	0.823	20AH	1.2	0.5	19.0	482
5024.938HT	Flicker/ACSS	477.0	24/7	0.846	24AH	2.0	0.9	19.0	482
5024.938HT	Hawk/ACSS	477.0	26/7	0.858	24AH	2.0	0.9	19.0	482
5024.938HT	Hen/ACSS	477.0	30/7	0.883	24AH	2.0	0.9	19.0	482
5024.969HT	Sapsucker/ACSS	556.5	22/7	0.901	24AH	1.9	0.9	19.0	482
5024.969HT	Parakeet/ACSS	556.5	24/7	0.914	24AH	1.9	0.9	19.0	482
5027.100HT	Dove/ACSS	556.5	26/7	0.927	27AH	2.9	1.3	20.0	508
5027.100HT	Eagle/ACSS	556.5	30/7	0.953	27AH	2.9	1.3	20.0	508
5027.100HT	Peacock/ACSS	605.0	24/7	0.953	27AH	2.9	1.3	20.0	508
5027.100HT	Squab/ACSS	605.0	26/7	0.966	27AH	2.9	1.3	20.0	508
5027.106HT	Wood Duck/ACSS	605.0	30/7	0.994	27AH	2.6	1.2	20.0	508
5027.106HT	Teal/ACSS	605.0	30/19	0.994	27AH	2.6	1.2	20.0	508
5027.106HT	Goldfinch/ACSS	636.0	22/7	0.963	27AH	2.6	1.2	20.0	508
5027.106HT	Rook/ACSS	636.0	24/7	0.977	27AH	2.6	1.2	20.0	508
5027.106HT	Grosbeak/ACSS	636.0	26/7	0.990	27AH	2.6	1.2	20.0	508

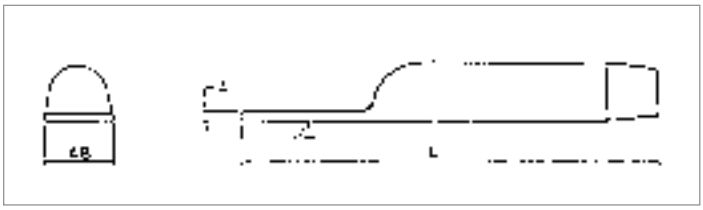
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HiTemp Jumper Connector for ACSS Conductor, 5000HT Series (cont.)

CATALOG NUMBER	CONDUCTOR				DIE SIZE	WEIGHT		TOTAL LENGTH L	
	CODE NAME	SIZE	STRANDING	DIAMETER					
		KCMIL	AL/ST	IN		LBS	KG	IN	MM
5027.106HT	Scoter/ACSS	636.0	30/7	1.019	27AH	2.6	1.2	20.0	508
5027.106HT	Egret/ACSS	636.0	30/19	1.019	27AH	2.6	1.2	20.0	508
5027.106HT	Flamingo/ACSS	666.6	24/7	1.000	27AH	2.6	1.2	20.0	508
5027.106HT	Gannet/ACSS	666.6	26/7	1.014	27AH	2.6	1.2	20.0	508
5030.109HT	Stilt/ACSS	715.5	24/7	1.036	30AH	3.6	1.6	21.0	533
5030.116HT	Starling/ACSS	715.5	26/7	1.051	30AH	3.6	1.6	21.0	533
5030.116HT	Redwing/ACSS	715.5	30/19	1.081	30AH	3.4	1.5	21.0	533
5030.116HT	Cuckoo/ACSS	795.0	24/7	1.092	30AH	3.4	1.5	21.0	533
5030.122HT	Drake/ACSS	795.0	26/7	1.108	30AH	3.4	1.5	21.0	533
5030.116HT	Macaw/ACSS	795.0	42/7	1.055	30AH	3.4	1.5	21.0	533
5030.116HT	Tern/ACSS	795.0	45/7	1.063	30AH	3.4	1.5	21.0	533
5030.116HT	Condor/ACSS	795.0	54/7	1.092	30AH	3.4	1.5	21.0	533
5030.122HT	Mallard/ACSS	795.0	30/19	1.140	30AH	3.2	1.5	21.0	533
5030.122HT	Ruddy/ACSS	900.0	45/7	1.13	30AH	3.2	1.5	21.0	533
5030.122HT	Canary/ACSS	900.0	54/7	1.16	30AH	3.2	1.5	21.0	533
5030.125HT	Corncrake/ACSS	954.0	20/7	1.16	30AH	3.2	1.5	21.0	533
5030.125HT	Redbird/ACSS	954.0	24/7	1.19	30AH	3.0	1.4	21.0	533
5030.122HT	Rail/ACSS	954.0	45/7	1.16	30AH	3.2	1.5	21.0	533
5030.125HT	Towhee/ACSS	954.0	48/7	1.17	30AH	3.0	1.4	21.0	533
5030.125HT	Cardinal/ACSS	954.0	54/7	1.19	30AH	3.0	1.4	21.0	533
5034.134HT	Canvasback/ACSS	954.0	30/19	1.24	34AH	4.3	2.0	22.0	558
5034.128HT	Snowbird/ACSS	1033.5	42/7	1.20	34AH	4.7	2.1	22.0	558
5034.134HT	Ortolan/ACSS	1033.5	45/7	1.21	34AH	4.3	2.0	22.0	558
5034.134HT	Curlew/ACSS	1033.5	54/7	1.24	34AH	4.3	2.0	22.0	558
5034.134HT	Bluejay/ACSS	1113.0	45/7	1.25	34AH	4.3	2.0	22.0	558
5034.138HT	Finch/ACSS	1113.0	54/19	1.29	34AH	4.3	2.0	22.0	558
5034.138HT	Bunting/ACSS	1192.5	45/7	1.30	34AH	4.4	2.0	22.0	558
5036.144HT	Grackle/ACSS	1192.5	54/19	1.33	36AH	5.1	2.3	23.0	584
5036.144HT	Bittern/ACSS	1272.0	45/7	1.34	36AH	5.1	2.3	23.0	584
5036.144HT	Diver/ACSS	1272.0	48/7	1.35	36AH	5.1	2.3	23.0	584
5036.147HT	Pheasant/ACSS	1272.0	54/19	1.38	36AH	5.0	2.3	23.0	584
5036.147HT	Dipper/ACSS	1351.5	45/7	1.38	36AH	5.0	2.3	23.0	584
5038.156HT	Martin/ACSS	1351.5	54/19	1.42	38AH	5.7	2.6	24.0	609
5038.150HT	Bobolink/ACSS	1431.0	45/7	1.42	38AH	6.0	2.7	24.0	609
5038.156HT	Plover/ACSS	1431.0	54/19	1.46	38AH	5.7	2.6	24.0	609
5038.156HT	Nuthatch/ACSS	1510.0	45/7	1.46	38AH	5.7	2.6	24.0	609
5040.162HT	Parrot/ACSS	1510.0	54/19	1.50	40AH	6.7	3.0	25.0	635
5040.162HT	Ratite/ACSS	1590.0	42/7	1.49	40AH	6.7	3.0	25.0	635
5040.162HT	Lapwing/ACSS	1590.0	45/7	1.50	40AH	6.7	3.0	25.0	635
5040.162HT	Falcon/ACSS	1590.0	54/19	1.54	40AH	6.7	3.0	25.0	635
5042.178HT	Chukar/ACSS	1780.0	84/19	1.60	42AH	7.0	3.2	25.0	635
5042.178HT	Mockingbird/ACSS	2034.5	72/7	1.68	42AH	7.0	3.2	25.0	635
5042.178HT	Roadrunner/ACSS	2057.0	76/19	1.70	42AH	7.0	3.2	25.0	635
5044.184HT	Bluebird/ACSS	2156.0	84/19	1.76	44AH	7.8	3.5	25.0	635
5044.181HT	Kiwi/ACSS	2167.0	72/7	1.73	44AH	7.8	3.5	25.0	635
5044.188HT	Thrasher/ACSS	2312.0	76/19	1.80	44AH	7.8	3.5	25.0	635
5048.197HT	Joree/ACSS	2515.0	76/19	1.88	48AH	8.9	4.0	27.0	682

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HiTemp Connector for ACSS Conductor, Straight, 5600HT Series



The 5600HT Series Straight Terminal Connector is specifically designed for ACSS conductors. It is fabricated from a specially tempered aluminum that will transfer elevated current and dissipate increased heat more efficiently.

All HiTemp Terminal Connectors are designed for limited tension use, maintaining a minimum of 40% of the ASTM rated strength of the conductor.

Square edges of the compression accessory pad can cause Corona. Pads with rounded edges and corners can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Catalog Number

Determine the assembly catalog number based on the conductor being used

Step 2: Extra High Voltage Finish

For Extra High Voltage Finish, use "EHV". (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 3: Assemble Catalog Number

Catalog Number + **EHV Finish**

Example:

For 795 Drake ACSS Conductor with an EHV finish, the complete catalog number is:

5630.116HTEHV

Notes:

1. Pad Dimensions are on page 378.
2. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 379.
3. Bolt Sizes and Torque Recommendations are on page 379.
4. Installation Instructions for Terminals are on page 414.
5. For more information on die selction and ordering instructions, see the Tools and Equipment section of this catalog.

CATALOG NUMBER	CONDUCTOR				DIE SIZE	WEIGHT		TOTAL LENGTH L		PAD SIZE
	CODE NAME	SIZE	STRANDING	DIAMETER						
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	
5676.688HT	Partridge/ACSS	266.8	26/7	0.642	76AH	0.6	0.3	8.6	218	D
5620.781HT	Woodcock/ACSS	336.4	22/7	0.701	20AH	0.6	0.3	8.9	226	D
5620.812HT	Linnet/ACSS	336.4	26/7	0.720	20AH	0.6	0.3	8.9	226	D
5620.781HT	Oriole/ACSS	336.4	30/7	0.741	20AH	0.6	0.3	8.9	226	D
5620.812HT	Ptarmigan/ACSS	397.5	20/7	0.752	20AH	0.6	0.3	8.9	226	D
5620.812HT	Brant/ACSS	397.5	24/7	0.772	20AH	0.6	0.3	8.9	226	D
5620.844HT	Ibis/ACSS	397.5	26/7	0.783	20AH	0.6	0.3	8.9	226	D
5620.844HT	Lark/ACSS	397.5	30/7	0.806	20AH	0.6	0.3	8.9	226	D
5620.875HT	Tailorbird/ACSS	477.0	20/7	0.823	20AH	0.6	0.3	9.6	244	D
5624.938HT	Flicker/ACSS	477.0	24/7	0.846	24AH	1.0	0.4	9.6	244	D
5624.938HT	Hawk/ACSS	477.0	26/7	0.858	24AH	1.0	0.4	9.6	244	D
5624.938HT	Hen/ACSS	477.0	30/7	0.883	24AH	1.0	0.4	9.6	244	D
5624.969HT	Sapsucker/ACSS	556.5	22/7	0.901	24AH	1.0	0.4	9.6	244	D
5624.969HT	Parakeet/ACSS	556.5	24/7	0.914	24AH	1.0	0.4	9.6	244	D
5627.100HT	Dove/ACSS	556.5	26/7	0.927	27AH	2.2	1.0	17.1	434	D
5627.100HT	Eagle/ACSS	556.5	30/7	0.953	27AH	2.2	1.0	17.1	434	D
5627.100HT	Peacock/ACSS	605.0	24/7	0.953	27AH	2.2	1.0	17.1	434	D
5627.100HT	Squab/ACSS	605.0	26/7	0.966	27AH	2.2	1.0	17.1	434	D
5627.106HT	Wood Duck/ACSS	605.0	30/7	0.994	27AH	2.2	1.0	17.1	434	D
5627.106HT	Teal/ACSS	605.0	30/19	0.994	27AH	2.2	1.0	17.1	434	D
5627.106HT	Goldfinch/ACSS	636.0	22/7	0.963	27AH	2.2	1.0	17.1	434	D

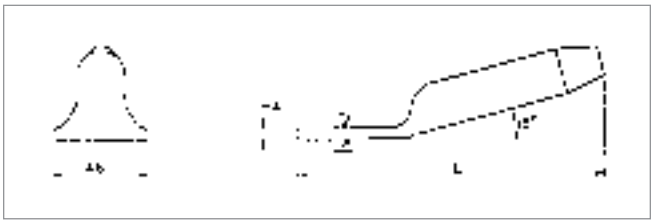
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HiTemp Connector for ACSS Conductor, Straight, 5600HT Series (cont.)

CATALOG NUMBER	CONDUCTOR				DIE SIZE	WEIGHT		TOTAL LENGTH L		PAD SIZE
	CODE NAME	SIZE	STRANDING	DIAMETER						
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	
5627.106HT	Rook/ACSS	636.0	24/7	0.977	27AH	2.2	1.0	17.1	434	D
5627.106HT	Grosbeak/ACSS	636.0	26/7	0.990	27AH	2.2	1.0	17.1	434	D
5627.106HT	Scoter/ACSS	636.0	30/7	1.019	27AH	2.2	1.0	17.1	434	D
5627.106HT	Egret/ACSS	636.0	30/19	1.019	27AH	2.2	1.0	17.1	434	D
5627.106HT	Flamingo/ACSS	666.6	24/7	1.000	27AH	2.2	1.0	17.1	434	D
5627.106HT	Gannet/ACSS	666.6	26/7	1.014	27AH	2.2	1.0	17.1	434	D
5630.109HT	Stilt/ACSS	715.5	24/7	1.036	30AH	3.1	1.4	18.3	465	D
5630.116HT	Starling/ACSS	715.5	26/7	1.051	30AH	2.9	1.3	18.5	471	D
5360.116HT	Redwing/ACSS	715.5	30/19	1.081	30AH	2.9	1.3	18.5	471	D
5630.116HT	Cuckoo/ACSS	795.0	24/7	1.092	30AH	2.9	1.3	18.5	471	D
5630.122HT	Drake/ACSS	795.0	26/7	1.108	30AH	2.9	1.3	18.5	471	D
5630.116HT	Macaw/ACSS	795.0	42/7	1.055	30AH	2.9	1.3	18.5	471	D
5630.116HT	Tern/ACSS	795.0	45/7	1.063	30AH	2.9	1.3	18.5	471	D
5630.116HT	Condor/ACSS	795.0	54/7	1.092	30AH	2.9	1.3	18.5	471	D
5630.122HT	Mallard/ACSS	795.0	30/19	1.140	30AH	2.8	1.3	18.7	476	D
5630.122HT	Ruddy/ACSS	900.0	45/7	1.131	30AH	2.8	1.3	18.7	476	D
5630.122HT	Canary/ACSS	900.0	54/7	1.162	30AH	2.8	1.3	18.7	476	D
5630.125HT	Corncrake/ACSS	954.0	20/7	1.165	30AH	2.8	1.3	18.8	477	D
5630.125HT	Redbird/ACSS	954.0	24/7	1.196	30AH	2.8	1.3	18.8	477	D
5630.122HT	Rail/ACSS	954.0	45/7	1.165	30AH	2.8	1.3	18.8	477	D
5630.125HT	Towhee/ACSS	954.0	48/7	1.175	30AH	2.8	1.3	18.8	477	D
5630.125HT	Cardinal/ACSS	954.0	54/7	1.196	30AH	2.8	1.3	18.8	477	D
5634.134HT	Canvasback/ACSS	954.0	30/19	1.248	34AH	4.0	1.8	19.7	500	D
5634.128HT	Snowbird/ACSS	1033.5	42/7	1.203	34AH	4.2	1.9	19.3	500	D
5634.134HT	Ortolan/ACSS	1033.5	45/7	1.212	34AH	4.0	1.8	19.7	500	D
5634.134HT	Curlew/ACSS	1033.5	54/7	1.245	34AH	4.0	1.8	19.7	500	D
5634.134HT	Bluejay/ACSS	1113.0	45/7	1.259	34AH	4.0	1.8	19.7	500	D
5634.138HT	Finch/ACSS	1113.0	54/19	1.293	34AH	4.0	1.8	20.0	508	D
5634.138HT	Bunting/ACSS	1192.5	45/7	1.302	34AH	4.0	1.8	20.0	508	D
5636.144HT	Grackle/ACSS	1192.5	54/19	1.338	36AH	4.5	2.0	20.5	522	D
5636.144HT	Bittern/ACSS	1272.0	45/7	1.345	36AH	4.5	2.0	20.5	522	D
5636.144HT	Diver/ACSS	1272.0	48/7	1.357	36AH	4.5	2.0	20.5	522	D
5636.147HT	Pheasant/ACSS	1272.0	54/19	1.382	36AH	4.4	2.0	20.1	511	D
5636.147HT	Dipper/ACSS	1351.5	45/7	1.386	36AH	4.4	2.0	20.1	511	D
5638.156HT	Martin/ACSS	1351.5	54/19	1.424	38AH	5.1	2.4	21.8	555	D
5638.150HT	Bobolink/ACSS	1431.0	45/7	1.427	38AH	5.4	2.4	21.1	536	D
5638.156HT	Plover/ACSS	1431.0	54/19	1.465	38AH	5.1	2.3	21.8	555	D
5638.156HT	Nuthatch/ACSS	1510.0	45/7	1.466	38AH	5.1	2.3	21.8	555	D
5640.162HT	Parrot/ACSS	1510.0	54/19	1.505	40AH	5.9	2.7	22.5	572	E
5640.162HT	Ratite/ACSS	1590.0	42/7	1.492	40AH	5.9	2.7	22.5	572	E
5640.162HT	Lapwing/ACSS	1590.0	45/7	1.504	40AH	5.9	2.7	22.5	572	E
5640.162HT	Falcon/ACSS	1590.0	54/19	1.544	40AH	5.9	2.7	22.5	572	E
5642.178HT	Chukar/ACSS	1780.0	84/19	1.602	42AH	6.4	2.9	23.0	584	E
5642.178HT	Mockingbird/ACSS	2034.5	72/7	1.681	42AH	6.4	2.9	23.0	584	E
5642.178HT	Roadrunner/ACSS	2057.0	76/19	1.700	42AH	6.4	2.9	23.0	584	E
5644.184HT	Bluebird/ACSS	2156.0	84/19	1.762	44AH	7.5	3.4	23.5	598	E
5644.181HT	Kiwi/ACSS	2167.0	72/7	1.735	44AH	7.5	3.4	23.5	598	E
5644.188HT	Thrasher/ACSS	2312.0	76/19	1.802	44AH	7.5	3.4	23.5	598	E
5648.197HT	Joree/ACSS	2515.0	76/19	1.880	48AH	8.7	4.0	25.6	650	E

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HiTemp Terminal Connector for ACSS Conductor, 15º, 5100HT Series



The 5100HT Series 15º Terminal Connector is specifically designed for ACSS conductors. It is fabricated from a specially tempered aluminum that will transfer elevated current and dissipate increased heat more efficiently.

When used with the HiTemp Dead End, the 15º terminal connector can be bolted in either the straight or 30º position. All HiTemp Terminal Connectors are designed for limited tension use, maintaining a minimum of 40% of the ASTM rated strength of the conductor. Aluminum hardware is supplied with the 15º terminal connector.

Square edges of the compression accessory pad can cause Corona. Pads with rounded edges and corners can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Catalog Number

Determine the assembly catalog number based on the conductor being used.

Step 2: Extra High Voltage Finish

For Extra High Voltage Finish, use "EHV". (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 3: Assemble Catalog Number

Catalog Number + **EHV Finish**

Example:

For 795 Drake ACSS Conductor with an EHV finish, the complete catalog number is:

5130.116HTEHV

Notes:

1. Pad Dimensions are on page 378.
2. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 379.
3. Bolt Sizes and Torque Recommendations are on page 379.
4. Installation Instructions for Terminals are on page 414.
5. For more information on die selction and ordering instructions, see the Tools and Equipment section of this catalog.

CATALOG NUMBER	CONDUCTOR				DIE SIZE	WEIGHT		TOTAL LENGTH L		PAD SIZE
	CODE NAME	SIZE	STRANDING	DIAMETER						
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	
5176.688HT	Partridge/ACSS	266.8	26/7	0.642	76AH	1.6	0.7	13.1	333	D
5120.781HT	Woodcock/ACSS	336.4	22/7	0.701	20AH	1.6	0.7	13.2	335	D
5120.812HT	Linnet/ACSS	336.4	26/7	0.720	20AH	1.6	0.7	13.2	335	D
5120.781HT	Oriole/ACSS	336.4	30/7	0.741	20AH	1.6	0.7	13.2	335	D
5120.812HT	Ptarmigan/ACSS	397.5	20/7	0.752	20AH	1.6	0.7	13.2	335	D
5120.812HT	Brant/ACSS	397.5	24/7	0.772	20AH	1.6	0.7	13.2	335	D
5120.844HT	Ibis/ACSS	397.5	26/7	0.783	20AH	1.6	0.7	13.2	335	D
5120.844HT	Lark/ACSS	397.5	30/7	0.806	20AH	1.6	0.7	13.2	335	D
5120.875HT	Tailorbird/ACSS	477.0	20/7	0.823	20AH	1.7	0.8	14.0	356	D
5124.938HT	Flicker/ACSS	477.0	24/7	0.846	24AH	2.0	0.9	13.9	353	D
5124.938HT	Hawk/ACSS	477.0	26/7	0.858	24AH	2.0	0.9	13.9	353	D
5124.938HT	Hen/ACSS	477.0	30/7	0.883	24AH	2.0	0.9	13.9	353	D
5124.969HT	Sapsucker/ACSS	556.5	22/7	0.901	24AH	2.0	0.9	13.9	353	D
5124.969HT	Parakeet/ACSS	556.5	24/7	0.914	24AH	2.0	0.9	13.9	353	D
5127.100HT	Dove/ACSS	556.5	26/7	0.927	27AH	2.5	1.1	16.3	414	D
5127.100HT	Eagle/ACSS	556.5	30/7	0.953	27AH	2.5	1.1	16.3	414	D
5127.100HT	Peacock/ACSS	605.0	24/7	0.953	27AH	2.5	1.1	16.3	414	D
5127.100HT	Squab/ACSS	605.0	26/7	0.966	27AH	2.5	1.1	16.3	414	D
5127.106HT	Wood Duck/ACSS	605.0	30/7	0.994	27AH	2.4	1.1	16.3	414	D
5127.106HT	Teal/ACSS	605.0	30/19	0.994	27AH	2.4	1.1	16.3	414	D
5127.106HT	Goldfinch/ACSS	636.0	22/7	0.963	27AH	2.5	1.1	16.3	414	D

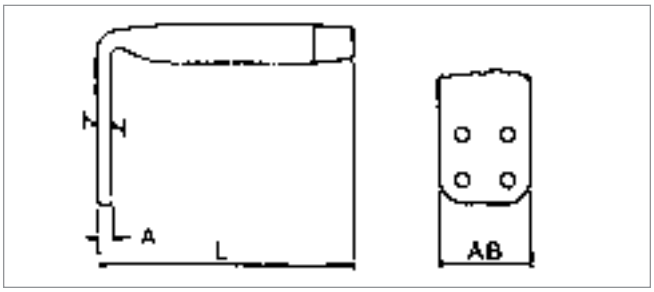
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HiTemp Terminal Connector for ACSS Conductor, 15°, 5100HT Series (cont.)

CATALOG NUMBER	CONDUCTOR				DIE SIZE	WEIGHT		TOTAL LENGTH L		PAD SIZE
	CODE NAME	SIZE	STRANDING	DIAMETER						
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	
5127.106HT	Rook/ACSS	636.0	24/7	0.977	27AH	2.4	1.1	16.3	414	D
5127.106HT	Grosbeak/ACSS	636.0	26/7	0.990	27AH	2.4	1.1	16.3	414	D
5127.106HT	Scoter/ACSS	636.0	30/7	1.019	27AH	2.4	1.1	16.3	414	D
5127.106HT	Egret/ACSS	636.0	30/19	1.019	27AH	2.4	1.1	16.3	414	D
5127.106HT	Flamingo/ACSS	666.6	24/7	1.000	27AH	2.4	1.1	16.3	414	D
5127.106HT	Gannet/ACSS	666.6	26/7	1.014	27AH	2.4	1.1	16.3	414	D
5130.109HT	Stilt/ACSS	715.5	24/7	1.036	30AH	3.4	1.5	17.5	445	D
5130.116HT	Starling/ACSS	715.5	26/7	1.051	30AH	3.3	1.5	17.8	452	D
5130.116HT	Redwing/ACSS	715.5	30/19	1.081	30AH	3.3	1.5	17.8	452	D
5130.116HT	Cuckoo/ACSS	795.0	24/7	1.092	30AH	3.3	1.5	17.8	452	D
5130.122HT	Drake/ACSS	795.0	26/7	1.108	30AH	3.3	1.5	17.8	452	D
5130.116HT	Macaw/ACSS	795.0	42/7	1.055	30AH	3.3	1.5	17.8	452	D
5130.116HT	Tern/ACSS	795.0	45/7	1.063	30AH	3.3	1.5	17.8	452	D
5130.116HT	Condor/ACSS	795.0	54/7	1.092	30AH	3.3	1.5	17.8	452	D
5130.122HT	Mallard/ACSS	795.0	30/19	1.140	30AH	3.1	1.4	18.1	460	D
5130.122HT	Ruddy/ACSS	900.0	45/7	1.131	30AH	3.1	1.4	18.1	460	D
5130.122HT	Canary/ACSS	900.0	54/7	1.162	30AH	3.1	1.4	18.1	460	D
5130.122HT	Corncrake/ACSS	954.0	20/7	1.165	30AH	3.1	1.4	18.1	460	D
5130.125HT	Redbird/ACSS	954.0	24/7	1.196	30AH	3.1	1.4	18.3	465	D
5130.122HT	Rail/ACSS	954.0	45/7	1.165	30AH	3.1	1.4	18.1	460	D
5130.125HT	Towhee/ACSS	954.0	48/7	1.175	30AH	3.1	1.4	18.3	465	D
5130.125HT	Cardinal/ACSS	954.0	54/7	1.196	30AH	3.1	1.4	18.3	465	D
5134.134HT	Canvasback/ACSS	954.0	30/19	1.248	34AH	4.4	2.0	18.3	465	D
5134.128HT	Snowbird/ACSS	1033.5	42/7	1.203	34AH	4.5	2.0	18.1	460	D
5134.134HT	Ortolan/ACSS	1033.5	45/7	1.212	34AH	4.4	2.0	18.3	465	D
5134.134HT	Curlew/ACSS	1033.5	54/7	1.245	34AH	4.4	2.0	18.3	465	D
5134.134HT	Bluejay/ACSS	1113.0	45/7	1.259	34AH	4.4	2.0	18.3	465	D
5134.138HT	Finch/ACSS	1113.0	54/19	1.293	34AH	4.2	1.9	18.4	467	D
5134.138HT	Bunting/ACSS	1192.5	45/7	1.302	34AH	4.2	1.9	18.4	467	D
5136.144HT	Grackle/ACSS	1192.5	54/19	1.338	36AH	4.7	2.1	19.1	485	D
5136.144HT	Bittern/ACSS	1272.0	45/7	1.345	36AH	4.7	2.1	19.1	485	D
5136.144HT	Diver/ACSS	1272.0	48/7	1.357	36AH	4.7	2.1	19.1	485	D
5136.147HT	Pheasant/ACSS	1272.0	54/19	1.382	36AH	4.7	2.1	19.0	483	D
5136.147HT	Dipper/ACSS	1351.5	45/7	1.386	36AH	4.7	2.1	19.0	483	D
5138.156HT	Martin/ACSS	1351.5	54/19	1.424	38AH	5.5	2.5	20.5	521	D
5138.150HT	Bobolink/ACSS	1431.0	45/7	1.427	38AH	5.6	2.5	19.6	498	D
5138.156HT	Plover/ACSS	1431.0	54/19	1.465	38AH	5.5	2.5	20.5	521	D
5138.156HT	Nuthatch/ACSS	1510.0	45/7	1.466	38AH	5.5	2.5	20.5	521	D
5140.162HT	Parrot/ACSS	1510.0	54/19	1.505	40AH	6.4	2.9	21.3	541	E
5140.162HT	Ratite/ACSS	1590.0	42/7	1.492	40AH	6.4	2.9	21.3	541	E
5140.162HT	Lapwing/ACSS	1590.0	45/7	1.504	40AH	6.4	2.9	21.3	541	E
5140.162HT	Falcon/ACSS	1590.0	54/19	1.544	40AH	6.4	2.9	21.3	541	E
5142.178HT	Chukar/ACSS	1780.0	84/19	1.602	42AH	6.9	3.1	22.3	566	E
5142.178HT	Mockingbird/ACSS	2034.5	72/7	1.681	42AH	6.9	3.1	22.3	566	E
5142.178HT	Roadrunner/ACSS	2057.0	76/19	1.700	42AH	6.9	3.1	22.3	566	E
5144.184HT	Bluebird/ACSS	2156.0	84/19	1.762	44AH	8.0	3.6	22.4	569	E
5144.181HT	Kiwi/ACSS	2167.0	72/7	1.735	44AH	8.0	3.6	22.4	569	E
5144.188HT	Thrasher/ACSS	2312.0	76/19	1.802	44AH	8.0	3.6	22.4	569	E
5148.197HT	Joree/ACSS	2515.0	76/19	1.880	48AH	8.7	3.9	24.2	615	E

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HiTemp Terminal Connector for ACSS Conductor, 90º, 5800HT Series



The 5800HT Series 90º Terminal Connector is specifically designed for ACSS conductors. It is fabricated from a specially tempered aluminum that will transfer elevated current and dissipate increased heat more efficiently.

All HiTemp Terminal Connectors are designed for limited tension use, maintaining a minimum of 40% of the ASTM rated strength of the conductor.

Square edges of the compression accessory pad can cause Corona. Pads with rounded edges and corners can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Catalog Number

Determine the assembly catalog number based on the conductor being used.

Step 2: Extra High Voltage Finish

For Extra High Voltage Finish, use "EHV". (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 3: Assemble Catalog Number

Catalog Number + **EHV Finish**

Example:

For 795 Drake ACSS Conductor with an E pad and EHV finish, the complete catalog number is:

5830.116HTEEHV

Notes:

1. Pad Dimensions are on page 378.
2. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 379.
3. Bolt Sizes and Torque Recommendations are on page 379.
4. Installation Instructions for Terminals are on page 414.
5. For more information on die selction and ordering instructions, see the Tools and Equipment section of this catalog.

CATALOG NUMBER	CONDUCTOR				DIE SIZE	WEIGHT		TOTAL LENGTH L		PAD SIZE
	CODE NAME	SIZE	STRANDING	DIAMETER						
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	
5876.688HT	Partridge/ACSS	266.8	26/7	0.642	76AH	1.3	0.6	11.2	289	D
5820.781HT	Woodcock/ACSS	336.4	22/7	0.701	20AH	1.3	0.6	10.8	274	D
5820.812HT	Linnet/ACSS	336.4	26/7	0.720	20AH	1.3	0.6	10.8	274	D
5820.781HT	Oriole/ACSS	336.4	30/7	0.741	20AH	1.3	0.6	10.8	274	D
5820.812HT	Ptarmigan/ACSS	397.5	20/7	0.752	20AH	1.3	0.6	10.8	274	D
5820.812HT	Brant/ACSS	397.5	24/7	0.772	20AH	1.3	0.6	10.8	274	D
5820.844HT	Ibis/ACSS	397.5	26/7	0.783	20AH	1.2	0.5	10.7	272	D
5820.844HT	Lark/ACSS	397.5	30/7	0.806	20AH	1.2	0.5	10.7	272	D
5820.875HT	Tailorbird/ACSS	477.0	20/7	0.823	20AH	1.2	0.5	11.4	290	D
5824.938HT	Flicker/ACSS	477.0	24/7	0.846	24AH	2.0	0.9	11.4	290	D
5824.938HT	Hawk/ACSS	477.0	26/7	0.858	24AH	2.0	0.9	11.4	290	D
5824.938HT	Hen/ACSS	477.0	30/7	0.883	24AH	2.0	0.9	11.4	290	D
5824.969HT	Sapsucker/ACSS	556.5	22/7	0.901	24AH	2.0	0.9	11.4	290	D
5824.969HT	Parakeet/ACSS	556.5	24/7	0.914	24AH	2.0	0.9	11.4	290	D
5827.100HT	Dove/ACSS	556.5	26/7	0.927	27AH	2.4	1.1	12.8	325	D
5827.100HT	Eagle/ACSS	556.5	30/7	0.953	27AH	2.4	1.1	12.8	325	D
5827.100HT	Peacock/ACSS	605.0	24/7	0.953	27AH	2.4	1.1	12.8	325	D
5827.100HT	Squab/ACSS	605.0	26/7	0.966	27AH	2.4	1.1	12.8	325	D
5827.106HT	Wood Duck/ACSS	605.0	30/7	0.994	27AH	2.4	1.1	12.8	325	D
5827.106HT	Teal/ACSS	605.0	30/19	0.994	27AH	2.4	1.1	12.8	325	D
5827.106HT	Goldfinch/ACSS	636.0	22/7	0.963	27AH	2.4	1.1	12.8	325	D
5827.106HT	Rook/ACSS	636.0	24/7	0.977	27AH	2.4	1.1	12.8	325	D
5827.106HT	Grosbeak/ACSS	636.0	26/7	0.990	27AH	2.4	1.1	12.8	325	D

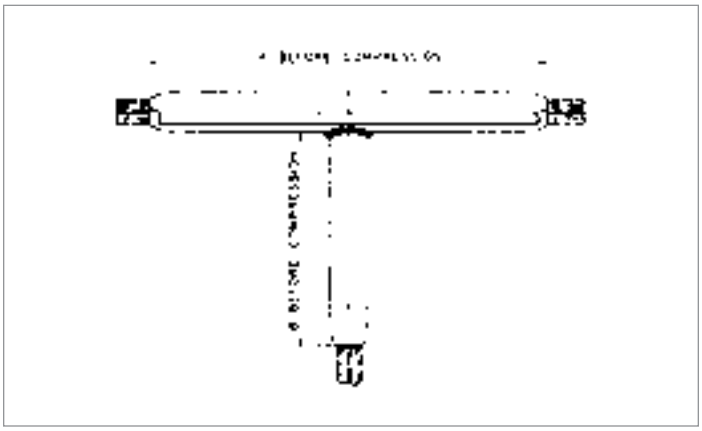
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HiTemp Terminal Connector for ACSS Conductor, 90°, 5800HT Series (cont.)

CATALOG NUMBER	CONDUCTOR				DIE SIZE	WEIGHT		TOTAL LENGTH L		PAD SIZE
	CODE NAME	SIZE	STRANDING	DIAMETER						
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	
5827.106HT	Scoter/ACSS	636.0	30/7	1.019	27AH	2.4	1.1	12.8	325	D
5827.106HT	Egret/ACSS	636.0	30/19	1.019	27AH	2.4	1.1	12.8	325	D
5827.106HT	Flamingo/ACSS	666.6	24/7	1.000	27AH	2.4	1.1	12.8	325	D
5827.106HT	Gannet/ACSS	666.6	26/7	1.014	27AH	2.4	1.1	12.8	325	D
5830.109HT	Stilt/ACSS	715.5	24/7	1.036	30AH	3.3	1.5	14.2	361	D
5830.116HT	Starling/ACSS	715.5	26/7	1.051	30AH	3.3	1.5	14.5	368	D
5830.116HT	Redwing/ACSS	715.5	30/19	1.081	30AH	3.2	1.5	14.5	368	D
5830.116HT	Cuckoo/ACSS	795.0	24/7	1.092	30AH	3.2	1.5	14.5	368	D
5830.122HT	Drake/ACSS	795.0	26/7	1.108	30AH	3.2	1.5	14.5	368	D
5830.116HT	Macaw/ACSS	795.0	42/7	1.055	30AH	3.2	1.5	14.5	368	D
5830.116HT	Tern/ACSS	795.0	45/7	1.063	30AH	3.2	1.5	14.5	368	D
5830.116HT	Condor/ACSS	795.0	54/7	1.092	30AH	3.2	1.5	14.5	368	D
5830.122HT	Mallard/ACSS	795.0	30/19	1.140	30AH	3.0	1.4	14.7	373	D
5830.122HT	Ruddy/ACSS	900.0	45/7	1.131	30AH	3.0	1.4	14.7	373	D
5830.122HT	Canary/ACSS	900.0	54/7	1.162	30AH	3.0	1.4	14.7	373	D
5830.122HT	Corncrake/ACSS	954.0	20/7	1.165	30AH	3.0	1.4	14.7	373	D
5830.125HT	Redbird/ACSS	954.0	24/7	1.196	30AH	3.0	1.4	14.7	373	D
5830.122HT	Rail/ACSS	954.0	45/7	1.165	30AH	3.0	1.4	14.7	373	D
5830.125HT	Towhee/ACSS	954.0	48/7	1.175	30AH	3.0	1.4	14.7	373	D
5830.125HT	Cardinal/ACSS	954.0	54/7	1.196	30AH	3.0	1.4	14.7	373	D
5834.134HT	Canvasback/ACSS	954.0	30/19	1.248	34AH	4.3	2.0	15.5	394	D
5834.128HT	Snowbird/ACSS	1033.5	42/7	1.203	34AH	4.4	2.0	15.5	394	D
5834.134HT	Ortolan/ACSS	1033.5	45/7	1.212	34AH	4.3	2.0	15.5	394	D
5834.134HT	Curlew/ACSS	1033.5	54/7	1.245	34AH	4.3	2.0	15.5	394	D
5834.134HT	Bluejay/ACSS	1113.0	45/7	1.259	34AH	4.3	2.0	15.5	394	D
5834.138HT	Finch/ACSS	1113.0	54/19	1.293	34AH	4.3	2.0	15.5	394	D
5834.138HT	Bunting/ACSS	1192.5	45/7	1.302	34AH	4.2	1.9	15.5	394	D
5836.144HT	Grackle/ACSS	1192.5	54/19	1.338	36AH	4.6	2.1	16.1	409	D
5836.144HT	Bittern/ACSS	1272.0	45/7	1.345	36AH	4.6	2.1	16.1	409	D
5836.144HT	Diver/ACSS	1272.0	48/7	1.357	36AH	4.6	2.1	16.1	409	D
5836.147HT	Pheasant/ACSS	1272.0	54/19	1.382	36AH	4.6	2.1	16.1	409	D
5836.147HT	Dipper/ACSS	1351.5	45/7	1.386	36AH	4.6	2.1	16.1	409	D
5838.156HT	Martin/ACSS	1351.5	54/19	1.424	38AH	5.4	2.5	17.6	447	D
5838.150HT	Bobolink/ACSS	1431.0	45/7	1.427	38AH	5.5	2.5	16.6	422	D
5838.156HT	Plover/ACSS	1431.0	54/19	1.465	38AH	5.4	2.5	17.6	447	D
5838.156HT	Nuthatch/ACSS	1510.0	45/7	1.466	38AH	5.4	2.5	17.6	447	D
5840.162HT	Parrot/ACSS	1510.0	54/19	1.505	40AH	6.1	2.8	17.3	439	E
5840.162HT	Ratite/ACSS	1590.0	42/7	1.492	40AH	6.1	2.8	17.3	439	E
5840.162HT	Lapwing/ACSS	1590.0	45/7	1.504	40AH	6.1	2.8	17.3	439	E
5840.162HT	Falcon/ACSS	1590.0	54/19	1.544	40AH	6.1	2.8	17.3	439	E
5842.178HT	Chukar/ACSS	1780.0	84/19	1.602	42AH	7.0	3.2	18.5	470	E
5842.178HT	Mockingbird/ACSS	2034.5	72/7	1.681	42AH	7.0	3.2	18.5	470	E
5842.178HT	Roadrunner/ACSS	2057.0	76/19	1.700	42AH	7.0	3.2	18.5	470	E
5844.184HT	Bluebird/ACSS	2156.0	84/19	1.762	44AH	8.3	3.8	18.7	475	E
5844.181HT	Kiwi/ACSS	2167.0	72/7	1.735	44AH	8.3	3.8	18.7	475	E
5844.188HT	Thrasher/ACSS	2312.0	76/19	1.802	44AH	8.3	3.8	18.7	475	E
5848.197HT	Joree/ACSS	2515.0	76/19	1.880	48AH	10.6	4.8	20.3	516	E

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HiTemp Tee Connector for ACSS Conductor, Open Run, 5500HT Series



The 5500HT Series Tee Connector is a permanent drop specifically designed for ACSS conductors. It is fabricated from a specially tempered aluminum that will transfer elevated current and dissipate increased heat more efficiently.

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.

For die sizes 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 a Tee Connector with a run conductor of 795 Drake ACSS Conductor and a branch conductor of 954 Cardinal ACSS Conductor, the complete catalog number is:

5530.3-30.125HT

Notes:

1. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 379.
2. Installation Instructions for Tee Connectors are on page 416.

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HiTemp Tee Connector for ACSS Conductor, Open Run, 5500HT Series (cont.)

PARTIAL CATALOG NUMBER		CONDUCTOR				DIE SIZE	WEIGHT		RUN LENGTH A		BRANCH LENGTH B	
		CODE NAME	SIZE	STRANDING	DIAMETER							
RUN	BRANCH		KCMIL	AL/ST	IN		LBS	KG	IN	MM	IN	MM
5576.3	-76.688HT	Partridge/ACSS	266.8	26/7	0.642	76AH	1.9	0.9	18.0	457	10.5	267
5520.3	-20.781HT	Woodcock/ACSS	336.4	22/7	0.701	20AH	2.6	1.2	22.5	572	11.6	295
5520.3	-20.812HT	Linnet/ACSS	336.4	26/7	0.720	20AH	2.6	1.2	22.5	572	11.6	295
5520.3	-20.781HT	Oriole/ACSS	336.4	30/7	0.741	20AH	2.6	1.2	22.5	572	11.6	295
5520.3	-20.812HT	Ptarmigan/ACSS	397.5	20/7	0.752	20AH	2.5	1.1	22.5	572	11.6	295
5520.3	-20.812HT	Brant/ACSS	397.5	24/7	0.772	20AH	2.5	1.1	22.5	572	11.6	295
5520.3	-20.844HT	Ibis/ACSS	397.5	26/7	0.783	20AH	2.5	1.1	22.5	572	11.6	295
5520.3	-20.844HT	Lark/ACSS	397.5	30/7	0.806	20AH	2.5	1.1	22.5	572	11.6	295
5520.3	-20.875HT	Tailorbird/ACSS	477.0	20/7	0.823	20AH	2.5	1.1	22.5	572	11.6	295
5524.3	-24.938HT	Flicker/ACSS	477.0	24/7	0.846	24AH	3.9	1.8	23.5	597	12.3	311
5524.3	-24.938HT	Hawk/ACSS	477.0	26/7	0.858	24AH	3.9	1.8	23.5	597	12.3	311
5524.3	-24.938HT	Hen/ACSS	477.0	30/7	0.883	24AH	3.9	1.8	23.5	597	12.3	311
5524.3	-24.969HT	Sapsucker/ACSS	556.5	22/7	0.901	24AH	3.8	1.7	23.5	597	12.3	311
5524.3	-24.969HT	Parakeet/ACSS	556.5	24/7	0.914	24AH	3.8	1.7	23.5	597	12.3	311
5527.3	-27.100HT	Dove/ACSS	556.5	26/7	0.927	27AH	5.3	2.4	26.3	667	12.8	311
5527.3	-27.100HT	Eagle/ACSS	556.5	30/7	0.953	27AH	5.3	2.4	26.3	667	12.8	326
5527.3	-27.100HT	Peacock/ACSS	605.0	24/7	0.953	27AH	5.3	2.4	26.3	667	12.8	326
5527.3	-27.100HT	Squab/ACSS	605.0	26/7	0.966	27AH	5.3	2.4	26.3	667	12.8	326
5527.3	-27.106HT	Wood Duck/ACSS	605.0	30/7	0.994	27AH	5.2	2.4	26.3	667	12.8	326
5527.3	-27.106HT	Teal/ACSS	605.0	30/19	0.994	27AH	5.2	2.4	26.3	667	12.8	326
5527.3	-27.106HT	Goldfinch/ACSS	636.0	22/7	0.963	27AH	5.2	2.4	26.3	667	12.8	326
5527.3	-27.106HT	Rook/ACSS	636.0	24/7	0.977	27AH	5.2	2.4	26.3	667	12.8	326
5527.3	-27.106HT	Grosbeak/ACSS	636.0	26/7	0.990	27AH	5.2	2.4	26.3	667	12.8	326
5527.3	-27.106HT	Scoter/ACSS	636.0	30/7	1.019	27AH	5.2	2.4	26.3	667	12.8	326
5527.3	-27.106HT	Egret/ACSS	636.0	30/19	1.019	27AH	5.2	2.4	26.3	667	12.8	326
5527.3	-27.106HT	Flamingo/ACSS	666.6	24/7	1.000	27AH	5.2	2.4	26.3	667	12.8	326
5527.3	-27.106HT	Gannet/ACSS	666.6	26/7	1.014	27AH	5.2	2.4	26.3	667	12.8	326
5530.3	-30.109HT	Stilt/ACSS	715.5	24/7	1.036	30AH	6.6	3.0	27.1	689	13.4	341
5530.3	-30.109HT	Starling/ACSS	715.5	26/7	1.051	30AH	6.6	3.0	27.1	689	13.4	341
5530.3	-30.116HT	Redwing/ACSS	715.5	30/19	1.081	30AH	6.6	3.0	27.1	689	13.4	341
5530.3	-30.116HT	Cuckoo/ACSS	795.0	24/7	1.092	30AH	6.4	2.9	27.1	689	13.4	341
5530.3	-30.122HT	Drake/ACSS	795.0	26/7	1.108	30AH	6.4	2.9	27.1	689	13.4	341
5530.3	-30.116HT	Macaw/ACSS	795.0	42/7	1.055	30AH	6.4	2.9	27.1	689	13.4	341
5530.3	-30.116HT	Tern/ACSS	795.0	45/7	1.063	30AH	6.4	2.9	27.1	689	13.4	341
5530.3	-30.116HT	Condor/ACSS	795.0	54/7	1.092	30AH	6.4	2.9	27.1	689	13.4	341
5530.3	-30.122HT	Mallard/ACSS	795.0	30/19	1.140	30AH	6.3	2.9	27.1	689	13.4	341
5530.3	-30.122HT	Ruddy/ACSS	900.0	45/7	1.131	30AH	6.3	2.9	27.1	689	13.4	341
5530.3	-30.122HT	Canary/ACSS	900.0	54/7	1.162	30AH	6.3	2.9	27.1	689	13.4	341
5530.3	-30.122HT	Corncrake/ACSS	954.0	20/7	1.165	30AH	6.3	2.9	27.1	689	13.4	341
5530.3	-30.125HT	Redbird/ACSS	954.0	24/7	1.196	30AH	6.2	2.8	27.1	689	13.4	341
5530.3	-30.122HT	Rail/ACSS	954.0	45/7	1.165	30AH	6.30	2.9	27.1	689	13.4	341
5530.3	-30.125HT	Towhee/ACSS	954.0	48/7	1.175	30AH	6.2	2.8	27.1	689	13.4	341

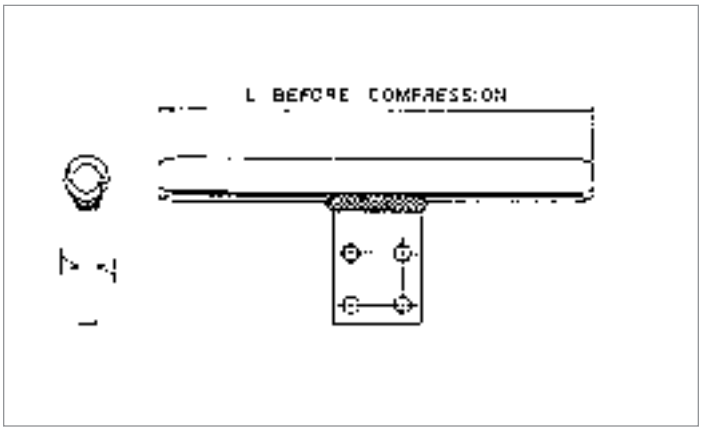
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HiTemp Tee Connector for ACSS Conductor, Open Run, 5500HT Series (cont.)

PARTIAL CATALOG NUMBER		CONDUCTOR				DIE SIZE	WEIGHT		RUN LENGTH A		BRANCH LENGTH B	
		CODE NAME	SIZE	STRANDING	DIAMETER							
RUN	BRANCH		KCMIL	AL/ST	IN		LBS	KG	IN	MM	IN	MM
5530.3	-30.125HT	Cardinal/ACSS	954.0	54/7	1.196	30AH	6.2	2.8	27.1	689	13.4	341
5534.3	-34.134HT	Canvasback/ACSS	954.0	30/19	1.248	34AH	8.7	4.0	28.1	714	14.1	357
5534.3	-34.128HT	Snowbird/ACSS	1033.5	42/7	1.203	34AH	8.9	4.0	28.1	714	14.1	357
5534.3	-34.134HT	Ortolan/ACSS	1033.5	45/7	1.212	34AH	8.9	4.0	28.1	714	14.1	357
5534.3	-34.134HT	Curlew/ACSS	1033.5	54/7	1.245	34AH	8.7	4.0	28.1	714	14.1	357
5534.3	-34.134HT	Bluejay/ACSS	1113.0	45/7	1.259	34AH	8.7	4.0	28.1	714	14.1	357
5534.3	-34.138HT	Finch/ACSS	1113.0	54/19	1.293	34AH	8.7	4.0	28.1	714	14.1	357
5534.3	-34.138HT	Bunting/ACSS	1192.5	45/7	1.302	34AH	8.6	3.9	28.1	714	14.1	357
5536.3	-36.144HT	Grackle/ACSS	1192.5	54/19	1.338	36AH	9.4	4.3	29.0	737	14.6	371
5536.3	-36.144HT	Bittern/ACSS	1272.0	45/7	1.345	36AH	9.4	4.3	29.0	737	14.6	371
5536.3	-36.144HT	Diver/ACSS	1272.0	48/7	1.357	36AH	9.4	4.3	29.0	737	14.6	371
5536.3	-36.147HT	Pheasant/ACSS	1272.0	54/19	1.382	36AH	9.3	4.2	29.0	737	14.6	371
5536.3	-36.147HT	Dipper/ACSS	1351.5	45/7	1.386	36AH	9.3	4.2	29.0	737	14.6	371
5538.3	-38.156HT	Martin/ACSS	1351.5	54/19	1.424	38AH	11.1	5.0	29.9	759	15.2	386
5538.3	-38.150HT	Bobolink/ACSS	1431.0	45/7	1.427	38AH	11.1	5.0	29.9	759	15.2	386
5538.3	-38.156HT	Plover/ACSS	1431.0	54/19	1.465	38AH	10.8	4.9	29.9	759	15.2	386
5538.3	-38.156HT	Nuthatch/ACSS	1510.0	45/7	1.466	38AH	11.8	5.4	29.9	759	16.2	411
5540.3	-40.162HT	Parrot/ACSS	1510.0	54/19	1.505	40AH	12.6	5.7	30.8	781	15.8	400
5540.3	-40.162HT	Ratite/ACSS	1590.0	42/7	1.492	40AH	12.6	5.7	30.8	781	15.8	400
5540.3	-40.162HT	Lapwing/ACSS	1590.0	45/7	1.504	40AH	12.6	5.7	30.8	781	15.8	400
5540.3	-40.162HT	Falcon/ACSS	1590.0	54/19	1.544	40AH	12.6	5.7	30.8	781	15.8	400
5542.3	-42.178HT	Chukar/ACSS	1780.0	84/19	1.602	42AH	14.2	6.5	31.6	803	16.4	416
5542.3	-42.178HT	Mockingbird/ACSS	2034.5	72/7	1.681	42AH	14.2	6.5	31.6	803	16.4	416
5542.3	-42.178HT	Roadrunner/ACSS	2057.0	76/19	1.700	42AH	14.2	6.5	31.6	803	16.4	416
5544.3	-44.184HT	Bluebird/ACSS	2156.0	84/19	1.762	44AH	15.9	7.2	32.5	826	16.0	406
5544.3	-44.181HT	Kiwi/ACSS	2167.0	72/7	1.735	44AH	15.9	7.2	32.5	826	16.0	406
5544.3	-44.188HT	Thrasher/ACSS	2312.0	76/19	1.802	44AH	15.9	7.2	32.5	826	16.0	406
5548.3	-48.197HT	Joree/ACSS	2515.0	76/19	1.880	48AH	20.9	9.5	32.5	826	16.0	406

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HiTemp Tee Tap for ACSS Conductor, Open Run, 5300HT Series



The 5300HT Series Tee Tap is a permanent or temporary drop specifically designed for ACSS conductors. It is fabricated from a specially tempered aluminum that will transfer elevated current and dissipate increased heat more efficiently.

The run portion incorporates an improved design of interlocking extrusions, providing a permanent grip on the conductor when compressed.

For die sizes 30AH and above, the end tapers of the compression portions of all compression accessories are supplied with a high voltage finish.

Square edges of the compression accessory pad can cause Corona. Pads with rounded edges and corners can be supplied by adding the catalog suffix "EHV".

Ordering Instructions

Step 1: Catalog Number

Determine the catalog number based on the conductor being used.

Step 2: Extra High Voltage Finish

For Extra High Voltage Finish, use "EHV". (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 3: Assemble Catalog Number

Catalog Number + **EHV Finish**

Example:

For 795 Drake ACSS Conductor with EHV finish, the complete catalog number is:

5330.3HTEHV

Notes:
1. Pad Dimensions are on page 378.
2. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 379.
3. Bolt Sizes and Torque Recommendations are on page 379.
4. Installation Instructions for Tee Taps are on page 416..

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HiTemp Tee Tap for ACSS Conductor, Open Run, 5300HT Series (cont.)

CATALOG NUMBER	CONDUCTOR				DIE SIZE	WEIGHT		TOTAL LENGTH L		PAD SIZE
	CODE NAME	SIZE	STRANDING	DIAMETER						
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	
5376.3HT	Partridge/ACSS	266.8	26/7	0.642	76AH	1.6	0.7	19.5	495	D
5320.3HT	Woodcock/ACSS	336.4	22/7	0.701	20AH	2.4	1.1	24.0	611	D
5320.3HT	Linnet/ACSS	336.4	26/7	0.720	20AH	2.4	1.1	24.0	611	D
5320.3HT	Oriole/ACSS	336.4	30/7	0.741	20AH	2.4	1.1	24.0	611	D
5320.3HT	Ptarmigan/ACSS	397.5	20/7	0.752	20AH	2.4	1.1	24.0	611	D
5320.3HT	Brant/ACSS	397.5	24/7	0.772	20AH	2.4	1.1	24.0	611	D
5320.3HT	Ibis/ACSS	397.5	26/7	0.783	20AH	2.4	1.1	24.0	611	D
5320.3HT	Lark/ACSS	397.5	30/7	0.806	20AH	2.4	1.1	24.0	611	D
5320.3HT	Tailorbird/ACSS	477.0	20/7	0.823	20AH	2.4	1.1	24.0	611	D
5324.3HT	Flicker/ACSS	477.0	24/7	0.846	24AH	2.8	1.3	24.9	633	D
5324.3HT	Hawk/ACSS	477.0	26/7	0.858	24AH	2.8	1.3	24.9	633	D
5324.3HT	Hen/ACSS	477.0	30/7	0.883	24AH	2.8	1.3	24.9	633	D
5324.3HT	Sapsucker/ACSS	556.5	22/7	0.901	24AH	2.8	1.3	24.9	633	D
5324.3HT	Parakeet/ACSS	556.5	24/7	0.914	24AH	2.8	1.3	24.9	633	D
5327.3HT	Dove/ACSS	556.5	26/7	0.927	27AH	3.9	1.8	27.0	688	D
5327.3HT	Eagle/ACSS	556.5	30/7	0.953	27AH	3.9	1.8	27.0	688	D
5327.3HT	Peacock/ACSS	605.0	24/7	0.953	27AH	3.9	1.8	27.0	688	D
5327.3HT	Squab/ACSS	605.0	26/7	0.966	27AH	3.9	1.8	27.0	688	D
5327.3HT	Wood Duck/ACSS	605.0	30/7	0.994	27AH	3.9	1.8	27.0	688	D
5327.3HT	Teal/ACSS	605.0	30/19	0.994	27AH	3.9	1.8	27.0	688	D
5327.3HT	Goldfinch/ACSS	636.0	22/7	0.963	27AH	3.9	1.8	27.0	688	D
5327.3HT	Rook/ACSS	636.0	24/7	0.977	27AH	3.9	1.0	27.0	688	D
5327.3HT	Grosbeak/ACSS	636.0	26/7	0.990	27AH	3.9	1.8	27.0	688	D
5327.3HT	Scoter/ACSS	636.0	30/7	1.019	27AH	3.9	1.8	27.0	688	D
5327.3HT	Egret/ACSS	636.0	30/19	1.019	27AH	3.9	1.8	27.0	688	D
5327.3HT	Flamingo/ACSS	666.6	24/7	1.000	27AH	3.9	1.8	27.0	688	D
5327.3HT	Gannet/ACSS	666.6	26/7	1.014	27AH	3.9	1.8	27.0	688	D
5330.3HT	Stilt/ACSS	715.5	24/7	1.036	30AH	4.8	2.2	27.2	692	D
5330.3HT	Starling/ACSS	715.5	26/7	1.051	30AH	4.8	2.2	27.2	692	D
5330.3HT	Redwing/ACSS	715.5	30/19	1.081	30AH	4.8	2.2	27.2	692	D
5330.3HT	Cuckoo/ACSS	795.0	24/7	1.092	30AH	4.8	2.2	27.2	692	D
5330.3HT	Drake/ACSS	795.0	26/7	1.108	30AH	4.8	2.2	27.2	692	D
5330.3HT	Macaw/ACSS	795.0	42/7	1.055	30AH	4.8	2.2	27.2	692	D
5330.3HT	Tern/ACSS	795.0	45/7	1.063	30AH	4.8	2.2	27.2	692	D
5330.3HT	Condor/ACSS	795.0	54/7	1.092	30AH	4.8	2.2	27.2	692	D
5330.3HT	Mallard/ACSS	795.0	30/19	1.140	30AH	4.8	2.2	27.8	708	D
5330.3HT	Ruddy/ACSS	900.0	45/7	1.131	30AH	4.8	2.2	27.8	708	D
5330.3HT	Canary/ACSS	900.0	54/7	1.162	30AH	4.8	2.2	27.2	692	D
5330.3HT	Corncrake/ACSS	954.0	20/7	1.165	30AH	4.8	2.2	27.2	692	D
5330.3HT	Redbird/ACSS	954.0	24/7	1.196	30AH	4.8	2.2	27.8	708	D
5330.3HT	Rail/ACSS	954.0	45/7	1.165	30AH	4.8	2.2	27.2	692	D
5330.3HT	Towhee/ACSS	954.0	48/7	1.175	30AH	4.8	2.2	27.8	708	D
5330.3HT	Cardinal/ACSS	954.0	54/7	1.196	30AH	4.8	2.2	27.2	692	D

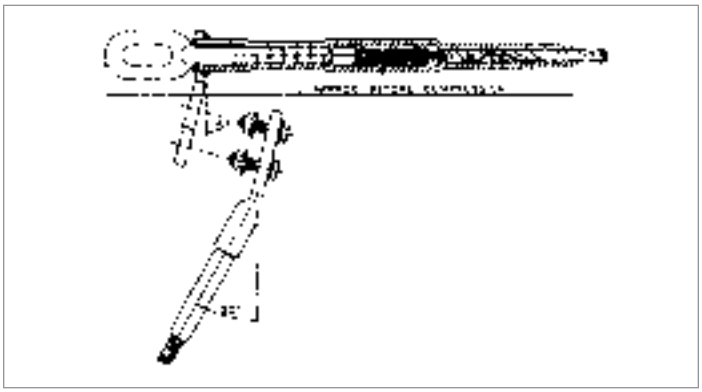
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HiTemp Tee Tap for ACSS Conductor, Open Run, 5300HT Series (cont.)

CATALOG NUMBER	CONDUCTOR				DIE SIZE	WEIGHT		TOTAL LENGTH L		PAD SIZE
	CODE NAME	SIZE	STRANDING	DIAMETER						
		KCMIL	AL/ST	IN		LBS	KG	IN	MM	
5334.3HT	Canvasback/ACSS	954.0	30/19	1.248	34AH	6.3	2.9	28.6	728	D
5334.3HT	Snowbird/ACSS	1033.5	42/7	1.203	34AH	6.3	2.9	28.6	728	D
5334.3HT	Ortolan/ACSS	1033.5	45/7	1.212	34AH	6.3	2.9	28.6	728	D
5334.3HT	Curlew/ACSS	1033.5	54/7	1.245	34AH	6.3	2.9	28.6	728	D
5334.3HT	Bluejay/ACSS	1113.0	45/7	1.259	34AH	6.3	2.9	28.6	728	D
5334.3HT	Finch/ACSS	1113.0	54/19	1.293	34AH	6.3	2.9	28.6	728	D
5334.3HT	Bunting/ACSS	1192.5	45/7	1.302	34AH	6.3	2.9	28.6	728	D
5336.3HT	Grackle/ACSS	1192.5	54/19	1.338	36AH	6.5	3.0	29.5	750	D
5336.3HT	Bittern/ACSS	1272.0	45/7	1.345	36AH	6.5	3.0	29.5	750	D
5336.3HT	Diver/ACSS	1272.0	48/7	1.357	36AH	6.5	3.0	29.5	750	D
5336.3HT	Pheasant/ACSS	1272.0	54/19	1.382	36AH	6.5	3.0	29.5	750	D
5336.3HT	Dipper/ACSS	1351.5	45/7	1.386	36AH	6.5	3.0	29.5	750	D
5338.3HT	Martin/ACSS	1351.5	54/19	1.424	38AH	7.3	3.3	30.1	765	D
5338.3HT	Bobolink/ACSS	1431.0	45/7	1.427	38AH	7.3	3.3	30.1	765	D
5338.3HT	Plover/ACSS	1431.0	54/19	1.465	38AH	7.3	3.3	30.1	765	D
5338.3HT	Nuthatch/ACSS	1510.0	45/7	1.466	38AH	7.3	3.3	30.1	765	D
5340.3HT	Parrot/ACSS	1510.0	54/19	1.505	40AH	8.4	3.8	30.7	779	E
5340.3HT	Ratite/ACSS	1590.0	42/7	1.492	40AH	8.4	3.8	30.7	779	E
5340.3HT	Lapwing/ACSS	1590.0	45/7	1.504	40AH	8.4	3.8	30.7	779	E
5340.3HT	Falcon/ACSS	1590.0	54/19	1.544	40AH	8.4	3.8	30.7	779	E
5342.3HT	Chukar/ACSS	1780.0	84/19	1.602	42AH	10.4	4.7	31.6	803	E
5342.3HT	Mockingbird/ACSS	2034.5	72/7	1.681	42AH	10.4	4.7	31.6	803	E
5342.3HT	Roadrunner/ACSS	2057.0	76/19	1.700	42AH	10.4	4.7	31.6	803	E
5344.3HT	Bluebird/ACSS	2156.0	84/19	1.762	44AH	11.9	5.4	33.5	853	E
5344.3HT	Kiwi/ACSS	2167.0	72/7	1.735	44AH	11.9	5.4	33.5	853	E
5344.3HT	Thrasher/ACSS	2312.0	76/19	1.802	44AH	11.9	5.4	33.5	853	E
5348.3HT	Joree/ACSS	2515.0	76/19	1.880	48AH	13.4	6.1	35.0	885	E

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HiTemp Compression Dead End for ACSS/TW Conductor, Eye Type, Single Tongue, 440000HT Series



The 440000HT Series Dead End Assembly is specifically designed for ACSS/TW conductor. The body of the HiTemp Dead Ends are fabricated from a specially tempered aluminum that will transfer elevated current and dissipate increased heat more efficiently. The tongue and terminal pad are constructed with a 15° angle, which permits the terminal connector to be bolted in the straight or 30° position.

All HiTemp Dead Ends are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor. Each dead end assembly comes with a terminal and aluminum hardware.

For die sizes 30AH and above, the end tapers of the compression portions of all compression accessories are supplied with a high voltage finish. Corona bolts are furnished as standard on 15° terminals for these die sizes.

The square edges of the bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix "EHV".

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector

For an assembly without a terminal connector, use "NT".
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish

For Extra High Voltage Finish, use "EHV". (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 4: Assemble Catalog Number

Assy Catalog Number + **Terminal Connector** + **EHV Finish**

Example:

For 954 Cardinal ACSS/TW Conductor with no terminal and EHV finish, the complete catalog number is:

E441084HTNTEHV

Notes:

1. Eye Dimensions are on page 378.
2. Pad Dimensions are on page 378.
3. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 379.
4. Bolt Sizes and Torque Recommendations are on page 379.
5. Installation Instructions for Dead Ends start on page 384.
6. Installation Instructions for Terminals are on page 414.
7. For more information on die selection and ordering instructions, see the Tools and Equipment section of this catalog.

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Specifications are subject to change without notice.

HiTemp Compression Dead End for ACSS/TW Conductor, Eye Type, Single Tongue, 440000HT Series (cont.)

DEAD END ASSEMBLY CATALOG NUMBER	CONDUCTOR					COMPONENT CATALOG NUMBER			DIE SIZE		TOTAL WEIGHT		TOTAL LENGTH L		PAD SIZE
	CODE NAME	SIZE	TYPE	STRANDING	DIA.	DEAD END BODY	STEEL EYE	15° TERMINAL	ALUMINUM	STEEL	LBS	KG	IN	MM	
		KCMIL		AL/ST	IN										
E440693HT	Oriole/ACSS/TW	336.4	23	18/7	0.693	8120.781CHT	9110.332	5120.781HT	20AH	10SH	5.9	2.7	27.3	694	D
E440776HT	Flicker/ACSS/TW	477.0	13	18/7	0.776	8124.938HT	9110.295	5124.938HT	24AH	10SH	7.0	3.5	26.6	678	D
E440789HT	Hawk/ACSS/TW	477.0	16	18/7	0.789	8124.938HT	9112.332	5124.938HT	24AH	12SH	7.1	3.5	26.6	678	D
E440825HT	Hen/ACSS/TW	477.0	23	18/7	0.825	8124.938CHT	9212.397	5124.938HT	24AH	12SH	7.6	3.7	26.8	681	D
E440835HT	Parakeet/ACSS/TW	556.5	13	18/7	0.835	8124.969HT	9210.316	5124.969HT	24AH	10SH	7.4	3.5	27.3	694	D
E440852HT	Dove/ACSS/TW	556.5	16	20/7	0.852	8124.969HT	9212.359	5124.969HT	24AH	12SH	7.7	3.6	27.3	694	D
E440858HT	Calumet/ACSS/TW	565.3	16	18/7	0.858	8124.969HT	9212.359	5124.969HT	24AH	12SH	7.7	3.5	27.3	694	D
E440846HT	Mohawk/ACSS/TW	571.7	13	18/7	0.846	8124.969HT	9212.332	5124.969HT	24AH	12SH	7.7	3.5	27.3	694	D
E440890HT	Rook/ACSS/TW	636.0	13	19/7	0.890	8127.106HT	9212.344	5127.106HT	27AH	12SH	9.0	4.2	28.8	732	D
E440908HT	Grosbeak/ACSS/TW	636.0	16	20/7	0.908	8127.106HT	9212.386	5127.106HT	27AH	12SH	9.0	4.2	28.8	732	D
E440953HT	Scoter/ACSS/TW	636.0	23	18/7	0.953	8127.106HT	9214.484	5127.106HT	27AH	14SH	9.0	4.2	28.8	732	D
E440927HT	Oswego/ACSS/TW	664.8	16	20/7	0.927	8127.106CHT	9312.391	5127.106HT	27AH	12SH	9.9	4.5	29.0	737	D
E440913HT	Mystic/ACSS/TW	666.6	13	20/7	0.913	8127.106CHT	9312.351	5127.106HT	27AH	12SH	9.9	4.5	29.0	737	D
E440990HT	Wabash/ACSS/TW	762.8	16	20/7	0.990	8130.116HT	9314.432	5130.116HT	30AH	14SH	11.8	5.4	29.8	759	D
E440977HT	Maumee/ACSS/TW	768.2	13	20/7	0.977	8130.116HT	9314.381	5130.116HT	30AH	14SH	11.8	5.4	29.8	759	D
E440960HT	Tern/ACSS/TW	795.0	7	17/7	0.960	8130.116HT	9310.290	5130.116HT	30AH	10SH	11.4	5.4	29.8	759	D
E440980HT	Puffin/ACSS/TW	795.0	10	18/7	0.980	8130.116HT	9312.351	5130.116HT	30AH	12SH	11.6	5.4	29.8	759	D
E440993HT	Condor/ACSS/TW	795.0	13	20/7	0.993	8130.116HT	9312.386	5130.116HT	30AH	12SH	11.6	5.5	29.8	759	D
E441010HT	Drake/ACSS/TW	795.0	16	20/7	1.010	8130.122HT	9314.432	5130.122HT	30AH	14SH	11.8	5.6	29.8	759	D
E441080HT	Canary/ACSS/TW	900.0	13	30/7	1.055	8130.122HT	9414.406	5130.122HT	30AH	14SH	12.0	5.7	30.5	775	D
E441077HT	Fraser/ACSS/TW	946.7	10	35/7	1.077	8130.122HT	9412.359	5130.122HT	30AH	12SH	11.7	5.3	30.5	775	D
E441044HT	Phoenix/ACSS/TW	954.0	5	30/7	1.044	8130.122HT	9412.277	5130.122HT	30AH	12SH	11.7	5.7	30.5	775	D
E441061HT	Rail/ACSS/TW	954.0	7	32/7	1.061	8130.122HT	9410.302	5130.122HT	30AH	10SH	11.6	5.5	30.5	775	D
E441084HT	Cardinal/ACSS/TW	954.0	13	20/7	1.084	8130.125HT	9414.422	5130.125HT	30AH	14SH	12.0	5.7	31.3	794	D
E441060HT	Kettle/ACSS/TW	957.2	7	32/7	1.060	8130.122HT	9412.316	5130.122HT	30AH	12SH	11.7	5.3	30.5	775	D
E441108HT	Suwannee/ACSS/TW	959.6	16	22/7	1.108	8130.122HT	9314.453	5130.122HT	30AH	14SH	11.6	5.3	30.5	775	D
E441092HT	Columbia/ACSS/TW	966.2	13	21/7	1.092	8130.122HT	9414.441	5130.122HT	30AH	14SH	12.0	5.5	30.5	775	D
E441089HT	Snowbird/ACSS/TW	1033.5	5	30/7	1.089	8134.128HT	9412.277	5134.128HT	34AH	12SH	15.2	7.0	31.5	800	D
E441102HT	Ortolan/ACSS/TW	1033.5	7	32/7	1.102	8134.128HT	9410.324	5134.128HT	34AH	10SH	15.1	6.9	31.5	800	D
E441128HT	Curlew/ACSS/TW	1033.5	13	22/7	1.128	8134.134CHT	E9614.441	5134.134HT	34AH	14SH	15.2	6.7	32.9	836	D
E441131HT	—	1080.0	7	20/7	1.131	8134.128HT	9412.332	5134.128HT	34AH	12SH	15.2	6.9	31.5	800	D
E441129HT	Avocet/ACSS/TW	1113.0	5	30/7	1.129	8134.128HT	9412.290	5134.134HT	34AH	12SH	15.2	6.9	31.5	800	D
E441143HT	Bluejay/ACSS/TW	1113.0	7	33/7	1.143	8134.134HT	E9512.332	5134.134HT	34AH	12SH	15.0	6.6	32.2	818	D
E441185HT	Finch/ACSS/TW	1113.0	13	38/19	1.185	8134.134CHT	E9614.453	5134.134HT	34AH	14SH	15.2	6.4	32.2	818	D
E441165HT	Genesee/ACSS/TW	1158.0	7	33/7	1.165	8134.134HT	9412.351	5134.134HT	34AH	12SH	14.5	6.6	32.2	818	D
E441196HT	Hudson/ACSS/TW	1158.4	13	26/7	1.196	8134.138CHT	E9614.484	5134.138HT	34AH	14SH	14.7	6.7	32.9	836	D
E441155HT	Cheyenne/ACSS/TW	1168.1	5	30/7	1.155	8134.134HT	9412.295	5134.134HT	34AH	12SH	14.5	6.6	31.5	800	D
E441167HT	Oxbird/ACSS/TW	1192.5	5	30/7	1.167	8134.138HT	E9512.302	5134.138HT	34AH	12SH	14.5	6.6	32.2	818	D
E441181HT	Bunting/ACSS/TW	1192.5	7	33/7	1.181	8134.138HT	E9512.344	5134.138HT	34AH	12SH	14.5	6.5	32.2	818	D
E441225HT	Grackle/ACSS/TW	1192.5	13	38/19	1.225	8136.144CHT	E9614.484	5136.144HT	36AH	14SH	16.3	6.5	32.3	821	D
E441245HT	Yukon/ACSS/TW	1233.6	13	38/19	1.245	8134.138CHT	E9614.500	5134.138HT	34AH	14SH	14.7	6.7	32.9	836	D
E441213HT	Nelson/ACSS/TW	1257.1	7	35/7	1.213	8134.138HT	E9512.351	5134.138HT	34AH	12SH	14.5	6.6	32.2	818	D

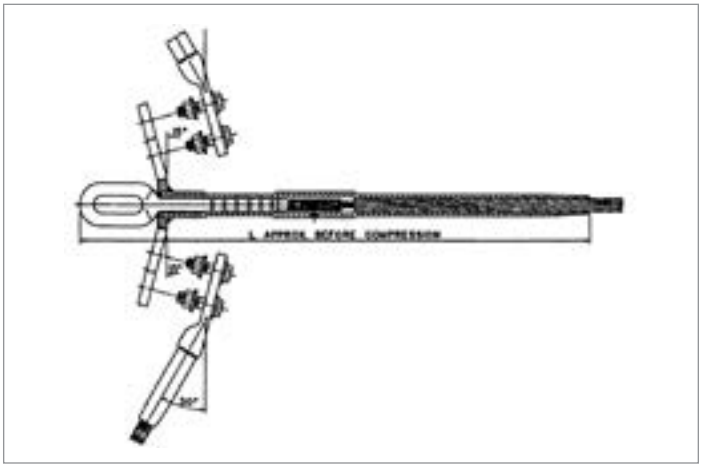
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HiTemp Compression Dead End for ACSS/TW Conductor, Eye Type, Single Tongue, 440000HT Series (cont.)

DEAD END ASSEMBLY CATALOG NUMBER	CONDUCTOR					COMPONENT CATALOG NUMBER			DIE SIZE		TOTAL WEIGHT		TOTAL LENGTH L		PAD SIZE
	CODE NAME	SIZE	TYPE	STRANDING	DIA.	DEAD END BODY	STEEL EYE	15° TERMINAL	ALUMINUM	STEEL	LBS	KG	IN	MM	
		KCMIL		AL/ST	IN										
E441203HT	Scissortail/ACSS/TW	1272.0	5	30/7	1.202	8136.144HT	E9512.316	5136.144HT	36AH	12SH	16.1	6.7	32.3	821	D
E441203HT	Catawba/ACSS/TW	1272.0	5	30/7	1.203	8134.138HT	E9512.316	5134.138HT	34AH	12SH	14.5	6.6	32.2	818	D
E441220HT	Bittern/ACSS/TW	1272.0	7	35/7	1.220	8136.144HT	E9512.351	5136.144HT	36AH	12SH	16.1	7.3	32.3	821	D
E441264HT	Pheasant/ACSS/TW	1272.0	13	39/19	1.264	8136.147HT	E9616.500	5136.147HT	36AH	16SH	16.7	7.6	32.6	827	D
E441290HT	Thames/ACSS/TW	1334.6	13	39/19	1.290	8136.144CHT	E9614.516	5136.144HT	36AH	14SH	16.3	7.4	32.3	821	D
E441256HT	Dipper/ACSS/TW	1351.5	7	35/7	1.256	8136.147HT	E9612.377	5136.147HT	36AH	12SH	16.2	7.4	32.6	827	D
E441300HT	Martin/ACSS/TW	1351.5	13	39/19	1.300	8138.150HT	E9616.500	5138.150HT	38AH	16SH	18.9	8.6	32.8	833	D
E441259HT	Mackenzie/ACSS/TW	1359.7	7	36/7	1.259	8136.144HT	E9512.359	5136.144HT	36AH	12SH	16.1	7.3	32.3	821	D
E441248HT	Truckee/ACSS/TW	1372.5	5	30/7	1.248	8134.138HT	E9512.318	5134.138HT	34AH	12SH	14.5	6.6	32.2	818	D
E441291HT	Bobolink/ACSS/TW	1431.0	7	36/7	1.291	8138.150HT	E9612.381	5138.150HT	38AH	12SH	18.4	8.4	32.8	833	D
E441337HT	Plover/ACSS/TW	1431.0	13	37/19	1.337	8138.156HT	E9616.516	5138.156HT	38AH	16SH	18.6	8.9	32.8	833	D
E441340HT	Merrimack/ACSS/TW	1433.6	13	39/19	1.340	8138.156HT	E9616.521	5138.156HT	38AH	16SH	18.6	8.5	32.8	833	D
E441302HT	Miramichi/ACSS/TW	1455.3	7	36/7	1.302	8138.156HT	E9614.397	5138.156HT	38AH	14SH	18.2	8.3	32.8	833	D
E441292HT	St. Croix/ACSS/TW	1467.8	5	33/7	1.292	8138.156HT	E9612.332	5138.156HT	38AH	12SH	18.1	8.2	32.8	833	D
E441382HT	Rio Grande/ACSS/TW	1533.3	13	39/19	1.382	8138.156HT	E9616.546	5138.156HT	38AH	16SH	18.6	8.5	32.8	833	D
E441345HT	Potomac/ACSS/TW	1557.4	7	36/7	1.345	8138.156HT	E9614.406	5138.156HT	38AH	14SH	18.3	8.3	32.8	833	D
E441334HT	Platte/ACSS/TW	1569.0	5	33/7	1.334	8138.156HT	E9612.337	5138.156HT	38AH	12SH	18.1	8.2	32.8	833	D
E441358HT	Lapwing/ACSS/TW	1590.0	7	36/7	1.358	8140.162HT	E9612.397	5140.162HT	40AH	12SH	21.4	9.7	33.7	856	E
E441408HT	Falcon/ACSS/TW	1590.0	13	42/19	1.408	8140.162HT	E9718.546	5140.162HT	40AH	18SH	23.1	10.5	33.8	859	E
E441424HT	Pecos/ACSS/TW	1622.0	13	39/19	1.424	8140.162HT	E9718.578	5140.162HT	40AH	18SH	23.1	10.5	33.8	859	E
E441386HT	Schuylkill/ACSS/TW	1657.4	7	36/7	1.386	8140.162HT	E9614.422	5140.162HT	40AH	14SH	21.6	9.8	33.7	856	E
E441470HT	James/ACSS/TW	1730.6	13	34/19	1.470	8142.168HT	E9718.578	5142.168HT	42AH	18SH	24.0	10.9	35.0	889	E
E441427HT	Pee Dee/ACSS/TW	1758.6	7	37/7	1.427	8140.162HT	E9714.432	5140.162HT	40AH	14SH	22.5	10.2	33.8	859	E
E441445HT	Chukar/ACSS/TW	1780.0	8	37/19	1.445	8142.178HT	E9714.453	5142.178HT	42AH	14SH	23.5	10.7	35.0	889	E
E441545HT	Cumberland/ACSS/TW	1926.9	13	42/19	1.545	8142.178HT	E9718.609	5142.178HT	42AH	18SH	24.1	11.0	35.0	889	E
E441504HT	Athabaska/ACSS/TW	1949.6	7	42/7	1.504	8142.178HT	E9714.453	5142.178HT	42AH	14SH	23.5	10.7	35.0	889	E
E441602HT	Powder/ACSS/TW	2153.8	8	64/19	1.602	8144.184HT	E9814.516	5144.184HT	44AH	14SH	25.6	11.6	32.8	835	E
E441608HT	Bluebird/ACSS/TW	2156.0	8	64/19	1.608	8144.184HT	E9816.516	5144.184HT	44AH	16SH	25.6	11.6	32.8	835	E
E441762HT	Santee/ACSS/TW	2627.3	8	64/19	1.762	8148.191HT	E9816.578	5148.191HT	48AH	16SH	29.4	13.4	37.3	948	E

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HiTemp Compression Dead End for ACSS/TW Conductor, Eye Type, Double Tongue, 480000HT Series



The 480000HT Series Double Tongue Dead End Assembly is specifically designed for ACSS/TW conductor. The body of the HiTemp Dead Ends are fabricated from a specially tempered aluminum that will transfer elevated current and dissipate increased heat more efficiently. The tongue and terminal pad are constructed with a 15° angle, which permits the terminal connector to be bolted in the straight or 30° position.

All HiTemp Dead Ends are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor. Each dead end assembly comes with two 15° terminals and aluminum hardware.

For die sizes 30AH and above, the end tapers of the compression portions of all compression accessories are supplied with a high voltage finish. Corona bolts are furnished as standard on 15° terminals for these die sizes.

The square edges of the bolted pads of the compression accessories could cause Corona. Pads with edges and corners rounded can be supplied by adding the catalog suffix "EHV".

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Step 2: Terminal Connector

For an assembly without a terminal connector, use "NT".
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish

For Extra High Voltage Finish, use "EHV". (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 4: Assemble Catalog Number

Assy Catalog Number + **Terminal Connector** + **EHV Finish**

Example:

For 954 Cardinal ACSS/TW Conductor with no terminal and EHV finish, the complete catalog number is:

E481084HTNTEHV

Notes:

1. Eye Dimensions are on page 378.
2. Pad Dimensions are on page 378.
3. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 379.
4. Bolt Sizes and Torque Recommendations are on page 379.
5. Installation Instructions for Dead Ends start on page 384.
6. Installation Instructions for Terminals are on page 414.
7. For more information on die selection and ordering instructions, see the Tools and Equipment section of this catalog.

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HiTemp Compression Dead End for ACSS/TW Conductor, Eye Type, Double Tongue, 480000HT Series (cont.)

DEAD END ASSEMBLY CATALOG NUMBER	CONDUCTOR					COMPONENT CATALOG NUMBER			DIE SIZE		TOTAL WEIGHT		TOTAL LENGTH L		PAD SIZE
	CODE NAME	SIZE	TYPE	STRANDING	DIAMETER	DEAD END BODY	STEEL EYE	15° TERMINAL	ALUMINUM	STEEL	LBS	KG	IN	MM	
		KCMIL		AL/ST	IN										
E480693HT	Oriole/ACSS/TW	336.4	23	18/7	0.693	8220.781HT	9110.332	5120.781HT	20AH	10SH	8.0	3.8	27.3	693	D
E480776HT	Flicker/ACSS/TW	477.0	13	18/7	0.776	8224.938HT	9110.295	5124.938HT	24AH	10SH	9.8	4.3	26.6	676	D
E480789HT	Hawk/ACSS/TW	477.0	16	18/7	0.789	8224.938CHT	9112.332	5124.938HT	24AH	12SH	9.9	4.5	26.6	676	D
E480825HT	Hen/ACSS/TW	477.0	23	18/7	0.825	8224.938HT	9212.397	5124.938HT	24AH	12SH	10.4	5.2	26.8	681	D
E480835HT	Parakeet/ACSS/TW	556.5	13	18/7	0.835	8224.969HT	9210.316	5124.969HT	24AH	10SH	10.2	4.8	27.3	693	D
E480852HT	Dove/ACSS/TW	556.5	16	20/7	0.852	8224.969HT	9212.359	5124.969HT	24AH	12SH	10.5	5.2	27.3	693	D
E480858HT	Calumet/ACSS/TW	565.3	16	18/7	0.858	8224.969HT	9212.359	5124.969HT	24AH	12SH	10.5	5.2	27.3	693	D
E480846HT	Mohawk/ACSS/TW	571.7	13	18/7	0.846	8224.969HT	9212.332	5124.969HT	24AH	12SH	10.5	5.2	27.3	693	D
E480890HT	Rook/ACSS/TW	636.0	13	19/7	0.890	8227.106HT	9212.344	5127.106HT	27AH	12SH	12.5	5.4	28.8	732	D
E480908HT	Grosbeak/ACSS/TW	636.0	16	20/7	0.908	8227.106HT	9212.386	5127.106HT	27AH	12SH	12.5	5.4	28.8	732	D
E480953HT	Scoter/ACSS/TW	636.0	23	18/7	0.953	8227.106HT	9214.484	5127.106HT	27AH	14SH	12.5	5.4	28.8	732	D
E480927HT	Oswego/ACSS/TW	664.8	16	20/7	0.927	8227.106CHT	9312.391	5127.106HT	27AH	12SH	13.3	6.6	29.0	737	D
E480913HT	Mystic/ACSS/TW	666.6	13	20/7	0.913	8227.106CHT	9312.351	5127.106HT	27AH	12SH	13.3	6.6	29.0	737	D
E480990HT	Wabash/ACSS/TW	762.8	16	20/7	0.990	8230.116HT	9314.432	5130.116HT	30AH	14SH	16.4	7.7	29.8	757	D
E480977HT	Maumee/ACSS/TW	768.2	13	20/7	0.977	8230.116HT	9314.381	5130.116HT	30AH	14SH	16.4	7.7	29.8	757	D
E480960HT	Tern/ACSS/TW	795.0	7	17/7	0.960	8230.116HT	9310.277	5130.116HT	30AH	10SH	16.0	7.1	29.8	757	D
E480980HT	Puffin/ACSS/TW	795.0	10	18/7	0.980	8230.116HT	9312.351	5130.116HT	30AH	12SH	16.0	7.3	29.8	757	D
E480993HT	Condor/ACSS/TW	795.0	13	20/7	0.993	8230.116HT	9312.386	5130.116HT	30AH	12SH	16.2	7.4	29.8	757	D
E481010HT	Drake/ACSS/TW	795.0	16	20/7	1.010	8230.122HT	9314.432	5130.122HT	30AH	14SH	16.4	7.7	29.8	757	D
E481080HT	Canary/ACSS/TW	900.0	13	30/7	1.055	8230.122HT	9414.406	5130.122HT	30AH	14SH	16.4	8.1	30.5	775	D
E481077HT	Fraser/ACSS/TW	946.7	10	35/7	1.077	8230.122HT	9412.359	5130.122HT	30AH	12SH	16.1	7.6	30.5	775	D
E481044HT	Phoenix/ACSS/TW	954.0	5	30/7	1.044	8230.122HT	9412.277	5130.122HT	30AH	12SH	16.1	7.8	30.5	775	D
E481061HT	Rail/ACSS/TW	954.0	7	32/7	1.061	8230.122HT	9410.302	5130.122HT	30AH	10SH	16.0	7.5	30.5	775	D
E481084HT	Cardinal/ACSS/TW	954.0	13	20/7	1.084	8230.125HT	9414.422	5130.125HT	30AH	14SH	16.3	8.1	31.2	792	D
E481060HT	Kettle/ACSS/TW	957.2	7	32/7	1.060	8230.122HT	9412.316	5130.122HT	30AH	12SH	16.1	7.6	30.5	775	D
E481108HT	Suwannee/ACSS/TW	959.6	16	22/7	1.108	8230.122HT	9314.453	5130.122HT	30AH	14SH	16.0	7.5	30.5	775	D
E481092HT	Columbia/ACSS/TW	966.2	13	21/7	1.092	8230.122HT	9414.441	5130.122HT	30AH	14SH	16.4	8.1	30.5	775	D
E481089HT	Snowbird/ACSS/TW	1033.5	5	30/7	1.089	8234.128HT	9412.277	5134.128HT	34AH	12SH	20.8	9.0	31.5	800	D
E481102HT	Ortolan/ACSS/TW	1033.5	7	32/7	1.102	8234.128HT	9410.324	5134.128HT	34AH	10SH	20.7	8.7	31.5	800	D
E481128HT	Curlew/ACSS/TW	1033.5	13	22/7	1.128	8234.134CHT	E9614.441	5134.134HT	34AH	14SH	20.7	9.6	32.9	836	D
E481131HT	—	1080.0	7	20/7	1.131	8234.128HT	9412.332	5134.128HT	34AH	12SH	20.8	8.9	31.5	800	D
E481129HT	Avocet/ACSS/TW	1113.0	5	30/7	1.129	8234.128HT	9412.290	5134.128HT	34AH	12SH	20.6	8.8	31.5	800	D
E481143HT	Bluejay/ACSS/TW	1113.0	7	33/7	1.143	8234.134HT	E9512.332	5134.134HT	34AH	12SH	20.5	9.3	31.5	815	D
E481185HT	Finch/ACSS/TW	1113.0	13	38/19	1.185	8234.134CHT	E9614.453	5134.134HT	34AH	14SH	20.7	9.5	32.1	815	D
E481165HT	Genesee/ACSS/TW	1158.0	7	33/7	1.165	8234.134HT	9412.351	5134.134HT	34AH	12SH	20.0	8.8	31.5	800	D
E481196HT	Hudson/ACSS/TW	1158.4	13	26/7	1.196	8234.138CHT	E9614.484	5134.138HT	34AH	14SH	20.0	9.6	32.9	836	D
E481155HT	Cheyenne/ACSS/TW	1168.1	5	30/7	1.155	8234.134HT	9412.295	5134.134HT	34AH	12SH	20.0	8.8	31.5	800	D
E481167HT	Oxbird/ACSS/TW	1192.5	5	30/7	1.167	8234.138HT	E9512.302	5134.138HT	34AH	12SH	19.8	9.3	32.1	815	D
E481181HT	Bunting/ACSS/TW	1192.5	7	33/7	1.181	8234.138HT	E9512.344	5134.138HT	34AH	12SH	19.8	9.3	32.1	815	D
E481225HT	Grackle/ACSS/TW	1192.5	13	38/19	1.225	8236.144CHT	E9614.484	5136.144HT	36AH	14SH	22.0	9.8	32.3	820	D
E481245HT	Yukon/ACSS/TW	1233.6	13	38/19	1.245	8234.138CHT	E9614.500	5134.138HT	34AH	14SH	20.0	9.6	32.9	836	D

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HiTemp Compression Dead End for ACSS/TW Conductor, Eye Type, Double Tongue, 480000HT Series (cont.)

DEAD END ASSEMBLY CATALOG NUMBER	CONDUCTOR					COMPONENT CATALOG NUMBER			DIE SIZE		TOTAL WEIGHT		TOTAL LENGTH L		PAD SIZE
	CODE NAME	SIZE	TYPE	STRANDING	DIAMETER	DEAD END BODY	STEEL EYE	15° TERMINAL	ALUMINUM	STEEL	LBS	KG	IN	MM	
		KCMIL		AL/ST	IN										
E481213HT	Nelson/ACSS/TW	1257.1	7	35/7	1.213	8234.138HT	E9512.351	5134.138HT	34AH	12SH	19.8	9.4	32.1	815	D
E481203HT	Scissortail/ACSS/TW	1272.0	5	30/7	1.202	8236.144HT	E9512.316	5136.144HT	36AH	10SH	21.8	9.8	32.1	815	D
E481203HT	Catawba/ACSS/TW	1272.0	5	30/7	1.203	8234.138HT	E9512.316	5134.138HT	34AH	12SH	19.8	9.4	32.1	815	D
E481220HT	Bittern/ACSS/TW	1272.0	7	35/7	1.220	8236.144HT	E9512.351	5136.144HT	36AH	12SH	21.8	9.8	32.3	820	D
E481264HT	Pheasant/ACSS/TW	1272.0	13	39/19	1.264	8236.147HT	E9616.500	5136.147HT	36AH	16SH	22.4	11.4	32.5	826	D
E481290HT	Thames/ACSS/TW	1334.6	13	39/19	1.290	8236.144CHT	E9614.516	5136.144HT	36AH	14SH	22.0	10.1	32.3	820	D
E481256HT	Dipper/ACSS/TW	1351.5	7	35/7	1.256	8236.147HT	E9612.377	5136.147HT	36AH	12SH	21.9	10.7	32.5	826	D
E481300HT	Martin/ACSS/TW	1351.5	13	39/19	1.300	8238.150HT	E9616.500	5138.15HT	38AH	16SH	25.7	12.2	32.8	833	D
E481259HT	Mackenzie/ACSS/TW	1359.7	7	36/7	1.259	8236.144HT	E9512.359	5136.144HT	36AH	12SH	21.8	9.8	32.3	820	D
E481248HT	Truckee/ACSS/TW	1372.5	5	30/7	1.248	8234.138HT	E9512.318	5134.138HT	34AH	12SH	19.8	9.4	32.1	815	D
E481291HT	Bobolink/ACSS/TW	1431.0	7	36/7	1.291	8238.150HT	E9612.381	5138.15HT	38AH	12SH	25.2	11.5	32.8	833	D
E481337HT	Plover/ACSS/TW	1431.0	13	37/19	1.337	8238.156HT	E9616.516	5138.156HT	38AH	16SH	25.4	12.9	32.8	833	D
E481340HT	Merrimack/ACSS/TW	1433.6	13	39/19	1.340	8238.156HT	E9616.521	5138.156HT	38AH	16SH	25.4	12.2	32.8	833	D
E481302HT	Miramichi/ACSS/TW	1455.3	7	36/7	1.302	8238.156HT	E9614.397	5138.156HT	38AH	14SH	25.1	11.8	32.8	833	D
E481292HT	St. Croix/ACSS/TW	1467.8	5	33/7	1.292	8238.156HT	E9612.332	5138.156HT	38AH	12SH	24.9	11.5	32.8	833	D
E481382HT	Rio Grande/ACSS/TW	1533.3	13	39/19	1.382	8238.156HT	E9616.546	5138.156HT	38AH	16SH	25.4	12.2	32.8	833	D
E481345HT	Potomac/ACSS/TW	1557.4	7	36/7	1.345	8238.156HT	E9614.406	5138.156HT	38AH	14SH	25.1	11.8	32.8	833	D
E481334HT	Platte/ACSS/TW	1569.0	5	33/7	1.334	8238.156HT	E9612.337	5138.156HT	38AH	12SH	24.9	11.5	32.8	833	D
E481358HT	Lapwing/ACSS/TW	1590.0	7	36/7	1.358	8240.162HT	E9612.397	5140.162HT	40AH	12SH	30.2	12.2	33.6	853	E
E481408HT	Falcon/ACSS/TW	1590.0	13	42/19	1.408	8240.162HT	E9718.546	5140.162HT	40AH	18SH	31.9	14.7	33.8	859	E
E481424HT	Pecos/ACSS/TW	1622.0	13	39/19	1.424	8240.162HT	E9718.578	5140.162HT	40AH	18SH	31.9	14.7	33.8	859	E
E481386HT	Schuylkill/ACSS/TW	1657.4	7	36/7	1.386	8240.162HT	E9614.422	5140.162HT	40AH	14SH	30.4	12.5	33.6	853	E
E481470HT	James/ACSS/TW	1730.6	13	34/19	1.470	8242.168HT	E9718.578	5142.168HT	42AH	18SH	32.8	15.2	35.0	889	E
E481427HT	Pee Dee/ACSS/TW	1758.6	7	37/7	1.427	8240.162HT	E9714.432	5140.162HT	40AH	14SH	30.4	13.5	33.8	859	E
E481445HT	Chukar/ACSS/TW	1780.0	8	37/19	1.445	8242.178HT	E9714.453	5142.178HT	42AH	14SH	31.2	14.3	35.0	889	E
E481545HT	Cumberland/ACSS/TW	1926.9	13	42/19	1.545	8242.178HT	E9718.609	5142.178HT	42AH	18SH	31.8	15.2	35.0	889	E
E481504HT	Athabaska/ACSS/TW	1949.6	7	42/7	1.504	8242.178HT	E9714.453	5142.178HT	42AH	14SH	31.2	14.3	35.0	889	E
E481602HT	Powder/ACSS/TW	2153.8	8	64/19	1.602	8244.184HT	E9814.516	5144.184HT	44AH	14SH	35.1	17.6	32.8	833	E
E481608HT	Bluebird/ACSS/TW	2156.0	8	64/19	1.608	8244.184HT	E9816.516	5144.184HT	44AH	16SH	34.3	17.6	32.8	833	E
E481762HT	Santee/ACSS/TW	2627.3	8	64/19	1.762	8248.191HT	E9816.578	5148.191HT	48AH	16SH	38.3	18.4	37.3	947	E

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HiTemp Compression Joint for ACSS/TW Conductor, 420000HT Series



The 420000HT Series Compression Joint Assembly is specifically designed for ACSS/TW conductors. The HiTemp Compression Joints are fabricated from a specially tempered aluminum that will transfer elevated current and dissipate increased heat more efficiently.

All HiTemp Compression Joints are designed for full tension use, achieving a minimum of 95% of the ASTM rated strength of the conductor. Each compression joint assembly comes with an aluminum joint and a steel sleeve.

For die sizes 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: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

For 954 Cardinal ACSS/TW Conductor, the complete catalog number is:

421084HT

Notes:

1. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 379.
2. Installation Instructions for Joints are on page 400.
3. For more information on die selection and ordering instructions, see the Tools and Equipment section of this catalog.

JOINT ASSEMBLY CATALOG NUMBER	CONDUCTOR					COMPONENT CATALOG NO.		DIE SIZE		WEIGHT				TOTAL LENGTH L	
	CODE NAME	SIZE	TYPE	STRANDING	DIA.	ALUMINUM JOINT	STEEL SLEEVE			ALUMINUM		STEEL			
		KCMIL		AL/ST	IN			ALUMINUM	STEEL	LBS	KG	LBS	KG	IN	MM
420693HT	Oriole/ACSS/TW	336.4	23	18/7	0.693	8020.781HT	4010.332	20AH	10SH	2.6	1.2	0.5	0.2	36.8	937
420776HT	Flicker/ACSS/TW	477	13	18/7	0.776	8024.938HT	4010.24	24AH	10SH	3.7	1.7	0.4	0.2	35.1	892
420789HT	Hawk/ACSS/TW	477	16	18/7	0.789	8024.938HT	4012.332	24AH	12SH	3.7	1.7	0.8	0.3	35.1	892
420825HT	Hen/ACSS/TW	477	23	18/7	0.825	8024.938HT	4012.397	24AH	12SH	3.7	1.7	0.8	0.4	35.1	892
420835HT	Parakeet/ACSS/TW	556.5	13	18/7	0.835	8024.969HT	4010.316	24AH	10SH	3.6	1.6	0.5	0.2	35.1	894
420852HT	Dove/ACSS/TW	556.5	16	20/7	0.852	8024.969HT	4012.359	24AH	12SH	3.6	1.6	0.7	0.3	35.1	894
420858HT	Calumet/ACSS/TW	565.3	16	18/7	0.858	8024.969HT	4012.359	24AH	12SH	3.6	1.6	0.7	0.3	35.1	894
420846HT	Mohawk/ACSS/TW	571.7	13	18/7	0.846	8024.969HT	4012.332	24AH	12SH	3.6	1.6	0.8	0.3	35.1	894
420890HT	Rook/ACSS/TW	636	13	19/7	0.89	8027.106HT	4012.344	27AH	12SH	5.1	2.3	0.7	0.3	39	991
420908HT	Grosbeak/ACSS/TW	636	16	20/7	0.908	8027.106HT	4012.386	27AH	12SH	5.1	2.3	0.8	0.4	39	991
420953HT	Scoter/ACSS/TW	636	23	18/7	0.953	8027.106HT	4014.484	27AH	14SH	5.1	2.3	1.2	0.6	39	991
420927HT	Oswego/ACSS/TW	664.8	16	20/7	0.927	8027.106HT	4012.391	27AH	12SH	5.1	2.3	0.8	0.4	39	991
420913HT	Mystic/ACSS/TW	666.6	13	20/7	0.913	8027.106HT	4012.351	27AH	12SH	5.1	2.3	0.8	0.4	39	991
420990HT	Wabash/ACSS/TW	762.8	16	20/7	0.99	8030.116HT	4014.432	30AH	14SH	6.5	3.0	1.3	0.6	40.1	1019
420977HT	Maumee/ACSS/TW	768.2	13	20/7	0.977	8030.116HT	4014.381	30AH	14SH	6.5	3.0	1.2	0.6	40.1	1019
420960HT	Tern/ACSS/TW	795	7	17/7	0.96	8030.116HT	4010.277	30AH	10SH	6.5	3.0	0.4	0.2	40.1	1019
420980HT	Puffin/ACSS/TW	795	10	18/7	0.98	8030.116HT	4012.351	30AH	12SH	6.5	3.0	0.8	0.4	40.1	1019
420993HT	Condor/ACSS/TW	795	13	20/7	0.993	8030.116HT	4012.386	30AH	12SH	6.5	3.0	0.8	0.4	40.1	1019
421010HT	Drake/ACSS/TW	795	16	20/7	1.01	8030.122HT	4014.432	30AH	14SH	6.5	3.0	1.3	0.6	40.1	1019
421080HT	Canary/ACSS/TW	900	13	30/7	1.055	8030.122HT	4014.406	30AH	14SH	6.3	2.9	1.2	0.6	42	1067
421077HT	Fraser/ACSS/TW	946.7	10	35/7	1.077	8030.122HT	4012.359	30AH	12SH	6.3	2.9	0.7	0.3	42	1067
421044HT	Phoenix/ACSS/TW	954	5	30/7	1.044	8030.122HT	4012.277	30AH	12SH	6.3	2.9	0.8	0.4	42	1067
421061HT	Rail/ACSS/TW	954	7	32/7	1.061	8030.122HT	4010.302	30AH	10SH	6.3	2.9	0.5	0.2	42	1067

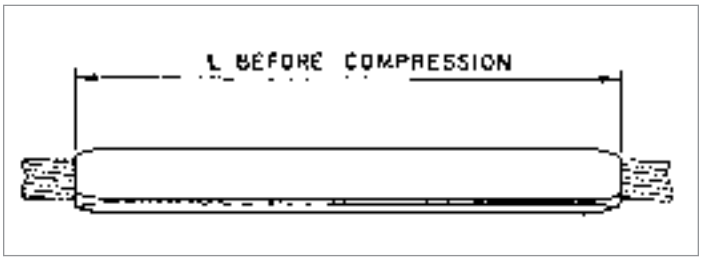
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HiTemp Compression Joint for ACSS/TW Conductor, 420000HT Series (cont.)

JOINT ASSEMBLY CATALOG NUMBER	CONDUCTOR					COMPONENT CATALOG NO.		DIE SIZE		WEIGHT				TOTAL LENGTH L	
	CODE NAME	SIZE	TYPE	STRANDING	DIA.	ALUMINUM JOINT	STEEL SLEEVE			ALUMINUM		STEEL			
		KCMIL		AL/ST	IN			ALUMINUM	STEEL	LBS	KG	LBS	KG	IN	MM
421084HT	Cardinal/ACSS/TW	954	13	20/7	1.084	8030.125HT	4014.422	30AH	14SH	6.1	2.8	0.8	0.4	42.1	1072
421060HT	Kettle/ACSS/TW	957.2	7	32/7	1.06	8030.122HT	4012.316	30AH	12SH	6.3	2.9	0.8	0.4	42	1067
421108HT	Suwannee/ACSS/TW	959.6	16	22/7	1.108	8030.122HT	4014.453	30AH	14SH	6.3	2.9	1.3	0.6	42	1067
421092HT	Columbia/ACSS/TW	966.2	13	21/7	1.092	8030.122HT	4014.441	30AH	14SH	6.3	2.9	1.3	0.6	42	1067
421089HT	Snowbird/ACSS/TW	1033.5	5	30/7	1.089	8034.128HT	4012.277	34AH	12SH	9	4.1	0.8	0.4	42.1	1070
421102HT	Ortolan/ACSS/TW	1033.5	7	32/7	1.102	8034.128HT	4010.324	34AH	10SH	9	4.1	0.5	0.2	42.1	1070
421128HT	Curlew/ACSS/TW	1033.5	13	22/7	1.128	8034.134HT	4014.441	34AH	14SH	8.8	4.0	1.3	0.6	44.7	1137
421131HT	—	1080	7	20/7	1.131	8034.128HT	4012.332	34AH	12SH	9	4.1	0.8	0.3	42.1	1070
421129HT	Avocet/ACSS/TW	1113	5	30/7	1.129	8034.128HT	4012.29	34AH	12SH	9	4.1	0.8	0.4	42.1	1070
421143HT	Bluejay/ACSS/TW	1113	7	33/7	1.143	8034.134HT	4012.332	34AH	12SH	8.8	4.0	0.8	0.3	44.7	1137
421185HT	Finch/ACSS/TW	1113	13	38/19	1.185	8034.134HT	4014.453	34AH	14SH	8.8	4.0	1.2	0.6	44.7	1137
421165HT	Genesee/ACSS/TW	1158	7	33/7	1.165	8034.134HT	4012.351	34AH	12SH	8.8	4.0	0.8	0.4	44.7	1137
421196HT	Hudson/ACSS/TW	1158.4	13	26/7	1.196	8034.138HT	4014.484	34AH	14SH	9	4.1	1.2	0.6	45	1143
421155HT	Cheyenne/ACSS/TW	1168.1	5	30/7	1.155	8034.134HT	4012.295	34AH	12SH	8.8	4.0	0.8	0.4	44.7	1137
421167HT	Oxbird/ACSS/TW	1192.5	5	30/7	1.167	8034.138HT	4012.302	34AH	12SH	9	4.1	0.8	0.4	45	1143
421181HT	Bunting/ACSS/TW	1192.5	7	33/7	1.181	8034.138HT	4012.344	34AH	12SH	9	4.1	0.7	0.3	45	1143
421225HT	Grackle/ACSS/TW	1192.5	13	38/19	1.225	8036.144HT	4014.484	36AH	14SH	10	4.6	1.2	0.6	45.5	1156
421245HT	Yukon/ACSS/TW	1233.6	13	38/19	1.245	8034.138HT	4014.5	34AH	14SH	9	4.1	1.2	0.6	45	1143
421213HT	Nelson/ACSS/TW	1257.1	7	35/7	1.213	8034.138HT	4012.351	34AH	12SH	9	4.1	0.8	0.4	45	1143
421202HT	Scissortail/ACSS/TW	1272	5	30/7	1.202	8036.144HT	4012.316	36AH	12SH	10	4.6	0.8	0.4	45.5	1156
421203HT	Catawba/ACSS/TW	1272	5	30/7	1.203	8034.138HT	4012.316	34AH	12SH	9	4.1	0.8	0.4	45	1143
421220HT	Bittern/ACSS/TW	1272	7	35/7	1.22	8036.144HT	4012.351	36AH	12SH	10	4.6	0.8	0.4	45.5	1156
421264HT	Pheasant/ACSS/TW	1272	13	39/19	1.264	8036.147HT	4016.5	36AH	16SH	9.8	4.5	1.7	0.8	46	1168
421290HT	Thames/ACSS/TW	1334.6	13	39/19	1.29	8036.144HT	4014.516	36AH	14SH	10	4.6	1.2	0.6	45.5	1156
421256HT	Dipper/ACSS/TW	1351.5	7	35/7	1.256	8036.147HT	4012.377	36AH	12SH	9.8	4.5	0.8	0.4	46	1168
421300HT	Martin/ACSS/TW	1351.5	13	39/19	1.3	8038.150HT	4016.516	38AH	16SH	11.7	5.3	1.6	0.7	46.4	1178
421259HT	Mackenzie/ACSS/TW	1359.7	7	36/7	1.259	8036.144HT	4012.359	36AH	12SH	10	4.6	0.7	0.3	45.5	1156
421248HT	Truckee/ACSS/TW	1372.5	5	30/7	1.248	8034.138HT	4012.318	34AH	12SH	9	4.1	0.8	0.4	45	1143
421291HT	Bobolink/ACSS/TW	1431	7	36/7	1.291	8038.150HT	4012.381	38AH	12SH	11.7	5.3	0.8	0.4	46.4	1178
421337HT	Plover/ACSS/TW	1431	13	37/19	1.337	8038.156HT	4016.516	38AH	16SH	11	5.0	1.6	0.7	46.4	1178
421340HT	Merrimack/ACSS/TW	1433.6	13	39/19	1.34	8038.156HT	4016.521	38AH	16SH	11	5.0	1.6	0.7	46.4	1178
421302HT	Miramichi/ACSS/TW	1455.3	7	36/7	1.302	8038.156HT	4014.397	38AH	14SH	11	5.0	1.3	0.6	46.4	1178
421292HT	St. Croix/ACSS/TW	1467.8	5	33/7	1.292	8038.156HT	4012.332	38AH	12SH	11	5.0	0.8	0.3	46.4	1178
421382HT	Rio Grande/ACSS/TW	1533.3	13	39/19	1.382	8038.156HT	4016.546	38AH	16SH	11	5.0	1.6	0.7	46.4	1178
421345HT	Potomac/ACSS/TW	1557.4	7	36/7	1.345	8038.156HT	4014.406	38AH	14SH	11	5.0	1.2	0.6	46.4	1178
421334HT	Platte/ACSS/TW	1569	5	33/7	1.334	8038.156HT	4012.337	38AH	12SH	11	5.0	0.8	0.4	46.4	1178
421358HT	Lapwing/ACSS/TW	1590	7	36/7	1.358	8040.162HT	4012.397	40AH	12SH	12.6	5.7	0.8	0.4	47	1194
421408HT	Falcon/ACSS/TW	1590	13	42/19	1.408	8040.162HT	4018.546	40AH	18SH	12.6	5.7	2.1	1.0	47	1194
421424HT	Pecos/ACSS/TW	1622	13	39/19	1.424	8040.162HT	4018.578	40AH	18SH	12.6	5.7	2	0.9	47	1194
421386HT	Schuylkill/ACSS/TW	1657.4	7	36/7	1.386	8040.162HT	4014.422	40AH	14SH	12.6	5.7	1.2	0.5	47	1194
421470HT	James/ACSS/TW	1730.6	13	34/19	1.47	8042.168HT	4018.578	42AH	18SH	13.6	6.2	2	0.9	48.3	1226
421427HT	Pee Dee/ACSS/TW	1758.6	7	37/7	1.427	8040.162HT	4014.432	40AH	14SH	12.4	5.6	1.3	0.6	47	1194
421445HT	Chukar/ACSS/TW	1780	8	37/19	1.445	8042.178HT	4014.453	42AH	14SH	13.4	6.1	1.2	0.6	48.3	1226
421545HT	Cumberland/ACSS/TW	1926.9	13	54/19	1.545	8042.178HT	4018.609	42AH	18SH	13.4	6.1	2	0.9	48.3	1226
421504HT	Athabaska/ACSS/TW	1949.6	7	42/7	1.504	8042.178HT	4014.453	42AH	14SH	13.4	6.1	1.2	0.6	48.3	1226
421602HT	Powder/ACSS/TW	2153.8	8	64/19	1.602	8044.184HT	4014.516	44AH	14SH	13.9	6.3	1.2	0.6	44.6	1133
421608HT	Bluebird/ACSS/TW	2156	8	64/19	1.608	8044.184HT	4016.516	44AH	16SH	13.9	6.3	1.6	0.7	44.6	1133
421762HT	Santee/ACSS/TW	2627.3	8	64/19	1.762	8048.191HT	4016.578	48AH	16SH	19.9	9.1	1.5	0.7	52.5	1334

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HiTemp Repair Sleeve for ACSS/TW Conductor, 5200HT Series



The 5200HT Series Repair Sleeve is specifically designed for ACSS and ACSS/TW Conductor. The repair sleeves incorporate an improved design of interlocking extrusion, providing a permanent grip on the conductor when compressed. The repair sleeve will restore the cable to 95% of its rated strength with up to one-third of the aluminum strands damaged.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

For 954 Cardinal ACSS/TW Conductor, the complete catalog number is:

5230.3HT

NOTES:

1. Installation Instructions for Repair Sleeves are on page 412.
2. For more information on die selction and ordering instructions, see the Tools and Equipment section of this catalog.

CATALOG NO.	CONDUCTOR					DIE SIZE	WEIGHT		TOTAL LENGTH L	
	CODE NAME	SIZE	TYPE	STRANDING	DIAMETER					
		KCMIL		AL/ST	IN		LBS	KG	IN	MM
5220.3HT	Oriole/ACSS/TW	336.4	23	18/7	0.693	20AH	1.7	0.8	22.5	571
5224.3HT	Flicker/ACSS/TW	477	13	18/7	0.776	24AH	2.6	1.2	23.5	596
5224.3HT	Hawk/ACSS/TW	477	16	18/7	0.789	24AH	2.6	1.2	23.5	596
5224.3HT	Hen/ACSS/TW	477	23	18/7	0.825	24AH	2.6	1.2	23.5	596
5224.3HT	Parakeet/ACSS/TW	556.5	13	18/7	0.835	24AH	2.6	1.2	23.5	596
5224.3HT	Dove/ACSS/TW	556.5	16	20/7	0.852	24AH	2.6	1.2	23.5	596
5224.3HT	Calumet/ACSS/TW	565.3	16	18/7	0.858	24AH	2.6	1.2	23.5	596
5224.3HT	Mohawk/ACSS/TW	571.7	13	18/7	0.846	24AH	2.6	1.2	23.5	596
5227.3HT	Rook/ACSS/TW	636	13	19/7	0.89	27AH	3.5	1.6	26.3	668
5227.3HT	Grosbeak/ACSS/TW	636	16	20/7	0.908	27AH	3.5	1.6	26.3	668
5227.3HT	Scoter/ACSS/TW	636	23	18/7	0.953	27AH	3.5	1.6	26.3	668
5227.3HT	Oswego/ACSS/TW	664.8	16	20/7	0.927	27AH	3.5	1.6	26.3	668
5227.3HT	Mystic/ACSS/TW	666.6	13	20/7	0.913	27AH	3.5	1.6	26.3	668
5230.3HT	Wabash/ACSS/TW	762.8	16	20/7	0.99	30AH	4.2	1.9	27.1	688
5230.3HT	Maumee/ACSS/TW	768.2	13	20/7	0.977	30AH	4.2	1.9	27.1	688
5230.3HT	Tern/ACSS/TW	795	7	17/7	0.96	30AH	4.2	1.9	27.1	688
5230.3HT	Puffin/ACSS/TW	795	10	18/7	0.98	30AH	4.2	1.9	27.1	688
5230.3HT	Condor/ACSS/TW	795	13	20/7	0.993	30AH	4.2	1.9	27.1	688
5230.3HT	Drake/ACSS/TW	795	16	20/7	1.01	30AH	4.2	1.9	27.1	688
5230.3HT	Canary/ACSS/TW	900	13	30/7	1.055	30AH	4.2	1.9	27.1	688
5230.3HT	Fraser/ACSS/TW	946.7	10	35/7	1.077	30AH	4.2	1.9	27.1	688
5230.3HT	Phoenix/ACSS/TW	954	5	30/7	1.044	30AH	4.2	1.9	27.1	688
5230.3HT	Rail/ACSS/TW	954	7	32/7	1.061	30AH	4.2	1.9	27.1	688
5230.3HT	Cardinal/ACSS/TW	954	13	20/7	1.084	30AH	4.2	1.9	27.1	688
5230.3HT	Kettle/ACSS/TW	957.2	7	32/7	1.06	30AH	4.2	1.9	27.1	688
5230.3HT	Suwannee/ACSS/TW	959.6	16	22/7	1.108	30AH	4.2	1.9	27.1	688
5230.3HT	Columbia/ACSS/TW	966.2	13	21/7	1.092	30AH	4.2	1.9	27.1	688

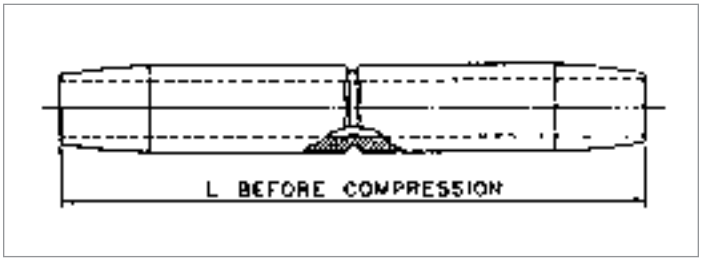
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HiTemp Repair Sleeve for ACSS/TW Conductor, 5200HT Series (cont.)

CATALOG NUMBER	CONDUCTOR					DIE SIZE	WEIGHT		TOTAL LENGTH L	
	CODE NAME	SIZE	TYPE	STRANDING	DIAMETER					
		KCMIL		AL/ST	IN		LBS	KG	IN	MM
5234.3HT	Snowbird/ACSS/TW	1033.5	5	30/7	1.089	34AH	5.8	2.6	28.1	714
5234.3HT	Ortolan/ACSS/TW	1033.5	7	32/7	1.102	34AH	5.8	2.6	28.1	714
5234.3HT	Curlew/ACSS/TW	1033.5	13	22/7	1.128	34AH	5.8	2.6	28.1	714
5234.3HT	—	1080	7	20/7	1.131	34AH	5.8	2.6	28.1	714
5234.3HT	Avocet/ACSS/TW	1113	5	30/7	1.129	34AH	5.8	2.6	28.1	714
5234.3HT	Bluejay/ACSS/TW	1113	7	33/7	1.143	34AH	5.8	2.6	28.1	714
5234.3HT	Finch/ACSS/TW	1113	13	38/19	1.185	34AH	5.8	2.6	28.1	714
5234.3HT	Genesee/ACSS/TW	1158	7	33/7	1.165	34AH	5.8	2.6	28.1	714
5234.3HT	Hudson/ACSS/TW	1158.4	13	26/7	1.196	34AH	5.8	2.6	28.1	714
5234.3HT	Cheyenne/ACSS/TW	1168.1	5	30/7	1.155	34AH	5.8	2.6	28.1	714
5234.3HT	Oxbird/ACSS/TW	1192.5	5	30/7	1.167	34AH	5.8	2.6	28.1	714
5234.3HT	Bunting/ACSS/TW	1192.5	7	33/7	1.181	34AH	5.8	2.6	28.1	714
5236.3HT	Grackle/ACSS/TW	1192.5	13	38/19	1.225	36AH	6	2.7	29	737
5234.3HT	Yukon/ACSS/TW	1233.6	13	38/19	1.245	34AH	5.8	2.6	28.1	714
5234.3HT	Nelson/ACSS/TW	1257.1	7	35/7	1.213	34AH	5.8	2.6	28.1	714
5236.3HT	Scissortail/ACSS/TW	1272	5	30/7	1.202	36AH	6	2.7	29	737
5234.3HT	Catawba/ACSS/TW	1272	5	30/7	1.203	34AH	5.8	2.6	28.1	714
5236.3HT	Bittern/ACSS/TW	1272	7	35/7	1.22	36AH	6	2.7	29	737
5236.3HT	Pheasant/ACSS/TW	1272	13	39/19	1.264	36AH	6	2.7	29	737
5236.3HT	Thames/ACSS/TW	1334.6	13	39/19	1.29	36AH	6	2.7	29	737
5236.3HT	Dipper/ACSS/TW	1351.5	7	35/7	1.256	36AH	6	2.7	29	737
5238.3HT	Martin/ACSS/TW	1351.5	13	39/19	1.3	38AH	7.1	3.2	29.9	757
5236.3HT	Mackenzie/ACSS/TW	1359.7	7	36/7	1.259	36AH	6	2.7	29	737
5234.3HT	Truckee/ACSS/TW	1372.5	5	30/7	1.248	34AH	5.8	2.6	28.1	714
5238.3HT	Bobolink/ACSS/TW	1431	7	36/7	1.291	38AH	7.1	3.2	29.9	757
5238.3HT	Plover/ACSS/TW	1431	13	37/19	1.337	38AH	7.1	3.2	29.9	757
5238.3HT	Merrimack/ACSS/TW	1433.6	13	39/19	1.34	38AH	7.1	3.2	29.9	757
5238.3HT	Miramichi/ACSS/TW	1455.3	7	36/7	1.302	38AH	7.1	3.2	29.9	757
5238.3HT	St. Croix/ACSS/TW	1467.8	5	33/7	1.292	38AH	7.1	3.2	29.9	757
5238.3HT	Rio Grande/ACSS/TW	1533.3	13	39/19	1.382	38AH	7.1	3.2	29.9	757
5238.3HT	Potomac/ACSS/TW	1557.4	7	36/7	1.345	38AH	7.1	3.2	29.9	757
5238.3HT	Platte/ACSS/TW	1569	5	33/7	1.334	38AH	7.1	3.2	29.9	757
5240.3HT	Lapwing/ACSS/TW	1590	7	36/7	1.358	40AH	8.2	3.7	30.8	780
5240.3HT	Falcon/ACSS/TW	1590	13	42/19	1.408	40AH	8.2	3.7	30.8	780
5240.3HT	Pecos/ACSS/TW	1622	13	39/19	1.424	40AH	8.2	3.7	30.8	780
5240.3HT	Schuylkill/ACSS/TW	1657.4	7	36/7	1.386	40AH	8.2	3.7	30.8	780
5242.3HT	James/ACSS/TW	1730.6	13	34/19	1.47	42AH	9.5	4.3	31.6	803
5240.3HT	Pee Dee/ACSS/TW	1758.6	7	37/7	1.427	40AH	8.2	3.7	30.8	780
5242.3HT	Chukar/ACSS/TW	1780	8	37/19	1.445	42AH	9.5	4.3	31.6	803
5242.3HT	Cumberland/ACSS/TW	1926.9	13	42/19	1.545	42AH	9.5	4.3	31.6	803
5242.3HT	Athabaska/ACSS/TW	1949.6	7	42/7	1.504	42AH	9.5	4.3	31.6	803
5244.3HT	Powder/ACSS/TW	2153.8	8	64/19	1.602	44AH	10.8	4.9	32.5	826
5244.3HT	Bluebird/ACSS/TW	2156	8	64/19	1.608	44AH	10.8	4.9	32.5	826
5248.3HT	Santee/ACSS/TW	2627.3	8	64/19	1.762	48AH	12	5.5	32.5	826
5248.3HT	Santee/ACSS/TW	2627.3	8	64/19	1.762	48AH	12.0	5.45	32.5	826

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HiTemp Jumper Connector for ACSS/TW Conductor, 5000HT Series



The 5000HT Series Jumper Connector is specifically designed for ACSS and ACSS/TW conductors. The HiTemp Jumper Connector is fabricated from a specially tempered aluminum that will transfer elevated current and dissipate increased heat more efficiently. All HiTemp Jumper Connectors are designed for limited tension use, maintaining a minimum of 40% of the ASTM rated strength of the conductor. For die sizes 30AH and above, end tapers of the compression portions of all compression accessories are supplied with a high voltage finish.

Ordering Instructions

Step 1: Assembly Catalog Number

Determine the assembly catalog number based on the conductor being used.

Example:

For 954 Cardinal ACSS/TW Conductor, the complete catalog number is:

5030.125HT

Notes:

1. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 379.
2. Installation Instructions for Jumper Connectors are on page 413.
3. For more information on die selction and ordering instructions, see the Tools and Equipment section of this catalog.

CATALOG NUMBER	CONDUCTOR					DIE SIZE	WEIGHT		TOTAL LENGTH L	
	CODE NAME	SIZE KCMIL	TYPE	STRANDING AL/ST	DIAMETER IN		LBS	KG	IN	MM
5020.781HT	Oriole/ACSS/TW	336.4	23	18/7	0.693	20AH	1.0	0.5	17.0	431
5024.938HT	Flicker/ACSS/TW	477.0	13	18/7	0.776	24AH	2.0	0.9	19.0	482
5024.938HT	Hawk/ACSS/TW	477.0	16	18/7	0.789	24AH	2.0	0.9	19.0	482
5024.938HT	Hen/ACSS/TW	477.0	23	18/7	0.825	24AH	2.0	0.9	19.0	482
5024.969HT	Parakeet/ACSS/TW	556.5	13	18/7	0.835	24AH	1.9	0.9	19.0	482
5024.969HT	Dove/ACSS/TW	556.5	16	20/7	0.852	24AH	1.9	0.9	19.0	482
5024.969HT	Calumet/ACSS/TW	565.3	16	18/7	0.858	24AH	1.9	0.9	19.0	482
5024.969HT	Mohawk/ACSS/TW	571.7	13	18/7	0.846	24AH	1.9	0.9	19.0	482
5027.106HT	Rook/ACSS/TW	636.0	13	19/7	0.890	27AH	2.6	1.2	20.0	508
5027.106HT	Grosbeak/ACSS/TW	636.0	16	20/7	0.908	27AH	2.6	1.2	20.0	508
5027.106HT	Scoter/ACSS/TW	636.0	23	18/7	0.953	27AH	2.6	1.2	20.0	508
5027.106HT	Oswego/ACSS/TW	664.8	16	20/7	0.927	27AH	2.6	1.2	20.0	508
5027.106HT	Mystic/ACSS/TW	666.6	13	20/7	0.913	27AH	2.6	1.2	20.0	508
5030.116HT	Wabash/ACSS/TW	762.8	16	20/7	0.990	30AH	3.4	1.6	21.0	533
5030.116HT	Maumee/ACSS/TW	768.2	13	20/7	0.977	30AH	3.4	1.6	21.0	533
5030.116HT	Tern/ACSS/TW	795.0	7	17/7	0.960	30AH	3.4	1.6	21.0	533
5030.116HT	Puffin/ACSS/TW	795.0	10	18/7	0.980	30AH	3.4	1.6	21.0	533
5030.116HT	Condor/ACSS/TW	795.0	13	20/7	0.993	30AH	3.4	1.6	21.0	533
5030.122HT	Drake/ACSS/TW	795.0	16	20/7	1.010	30AH	3.4	1.6	21.0	533
5030.122HT	Canary/ACSS/TW	900.0	13	30/7	1.055	30AH	3.2	1.5	21.0	533
5030.122HT	Fraser/ACSS/TW	946.7	10	35/7	1.077	30AH	3.2	1.5	21.0	533
5030.122HT	Phoenix/ACSS/TW	954.0	5	30/7	1.044	30AH	3.2	1.5	21.0	533
5030.122HT	Rail/ACSS/TW	954.0	7	32/7	1.061	30AH	3.2	1.5	21.0	533
5030.125HT	Cardinal/ACSS/TW	954.0	13	20/7	1.084	30AH	3.0	1.4	21.0	533
5030.122HT	Kettle/ACSS/TW	957.2	7	32/7	1.060	30AH	3.2	1.5	21.0	533

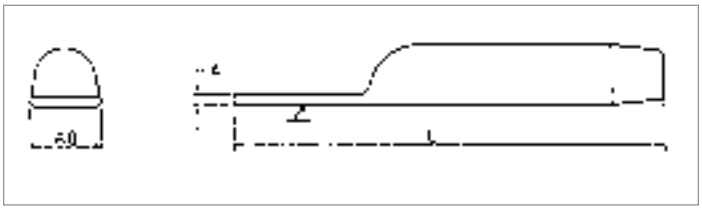
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HiTemp Jumper Connector for ACSS/TW Conductor, 5000HT Series (cont.)

CATALOG NUMBER	CONDUCTOR					DIE SIZE	WEIGHT		TOTAL LENGTH L	
	CODE NAME	SIZE	TYPE	STRAND-ING	DIAMETER					
		KCMIL		AL/ST	IN		LBS	KG	IN	MM
5030.122HT	Suwannee/ACSS/TW	959.6	16	22/7	1.108	30AH	3.2	1.5	21.0	533
5030.122HT	Columbia/ACSS/TW	966.2	13	21/7	1.092	30AH	3.2	1.5	21.0	533
5034.128HT	Snowbird/ACSS/TW	1033.5	5	30/7	1.089	34AH	4.7	2.1	22.0	558
5034.128HT	Ortolan/ACSS/TW	1033.5	7	32/7	1.102	34AH	4.7	2.1	22.0	558
5034.134HT	Curlew/ACSS/TW	1033.5	13	22/7	1.128	34AH	4.3	2.0	22.0	558
5034.128HT	—	1080.0	7	20/7	1.131	34AH	4.7	2.1	22.0	558
5034.128HT	Avocet/ACSS/TW	1113.0	5	30/7	1.129	34AH	4.7	2.1	22.0	558
5034.134HT	Bluejay/ACSS/TW	1113.0	7	33/7	1.143	34AH	4.3	2.0	22.0	558
5034.138HT	Finch/ACSS/TW	1113.0	13	38/19	1.185	34AH	4.3	2.0	22.0	558
5034.134HT	Genesee/ACSS/TW	1158.0	7	33/7	1.165	34AH	4.3	2.0	22.0	558
5034.138HT	Hudson/ACSS/TW	1158.4	13	26/7	1.196	34AH	4.4	2.0	22.0	558
5034.134HT	Cheyenne/ACSS/TW	1168.1	5	30/7	1.155	34AH	4.3	2.0	22.0	558
5034.138HT	Oxbird/ACSS/TW	1192.5	5	30/7	1.167	34AH	4.4	2.0	22.0	558
5034.138HT	Bunting/ACSS/TW	1192.5	7	33/7	1.181	34AH	4.4	2.0	22.0	558
5036.144HT	Grackle/ACSS/TW	1192.5	13	38/19	1.225	36AH	5.1	2.3	23.0	584
5034.138HT	Yukon/ACSS/TW	1233.6	13	38/19	1.245	34AH	4.4	2.0	22.0	558
5034.138HT	Nelson/ACSS/TW	1257.1	7	35/7	1.213	34AH	4.4	2.0	22.0	558
5036.144HT	Scissortail/ACSS/TW	1272.0	5	30/7	1.202	36AH	5.1	2.3	23.0	584
5034.138HT	Catawba/ACSS/TW	1272.0	5	30/7	1.203	34AH	4.4	2.0	22.0	558
5036.144HT	Bittern/ACSS/TW	1272.0	7	35/7	1.220	36AH	5.1	2.3	23.0	584
5036.147HT	Pheasant/ACSS/TW	1272.0	13	39/19	1.264	36AH	5.0	2.3	23.0	584
5036.144HT	Thames/ACSS/TW	1334.6	13	39/19	1.290	36AH	5.1	2.3	23.0	584
5036.147HT	Dipper/ACSS/TW	1351.5	7	35/7	1.256	36AH	5.0	2.3	23.0	584
5038.150HT	Martin/ACSS/TW	1351.5	13	39/19	1.300	38AH	6.0	2.7	24.0	609
5036.144HT	Mackenzie/ACSS/TW	1359.7	7	36/7	1.259	36AH	5.1	2.3	23.0	584
5034.138HT	Truckee/ACSS/TW	1372.5	5	30/7	1.248	34AH	4.4	2.0	22.0	558
5038.150HT	Bobolink/ACSS/TW	1431.0	7	36/7	1.291	38AH	6.0	2.7	24.0	609
5038.156HT	Plover/ACSS/TW	1431.0	13	37/19	1.337	38AH	5.7	2.6	24.0	609
5038.156HT	Merrimack/ACSS/TW	1433.6	13	39/19	1.340	38AH	5.7	2.6	24.0	609
5038.156HT	Miramichi/ACSS/TW	1455.3	7	36/7	1.302	38AH	5.7	2.6	24.0	609
5038.156HT	St. Croix/ACSS/TW	1467.8	5	33/7	1.292	38AH	5.7	2.6	24.0	609
5038.156HT	Rio Grande/ACSS/TW	1533.3	13	39/19	1.382	38AH	5.7	2.6	24.0	609
5038.156HT	Potomac/ACSS/TW	1557.4	7	36/7	1.345	38AH	5.7	2.6	24.0	609
5038.156HT	Platte/ACSS/TW	1569.0	5	33/7	1.334	38AH	5.7	2.6	24.0	609
5040.162HT	Lapwing/ACSS/TW	1590.0	7	36/7	1.358	40AH	6.7	3.1	25.0	635
5040.162HT	Falcon/ACSS/TW	1590.0	13	42/19	1.408	40AH	6.7	3.1	25.0	635
5040.162HT	Pecos/ACSS/TW	1622.0	13	39/19	1.424	40AH	6.7	3.1	25.0	635
5040.162HT	Schuylkill/ACSS/TW	1657.4	7	36/7	1.386	40AH	6.7	3.1	25.0	635
5042.168HT	James/ACSS/TW	1730.6	13	34/19	1.470	42AH	7.0	3.2	25.0	635
5040.162HT	Pee Dee/ACSS/TW	1758.6	7	37/7	1.427	40AH	6.7	3.1	25.0	635
5042.178HT	Chukar/ACSS/TW	1780.0	8	37/19	1.445	42AH	7.0	3.2	25.0	635
5042.178HT	Cumberland/ACSS/TW	1926.9	13	42/19	1.545	42AH	7.0	3.2	25.0	635
5042.178HT	Athabaska/ACSS/TW	1949.6	7	42/7	1.504	42AH	7.0	3.2	25.0	635
5044.184HT	Powder/ACSS/TW	2153.8	8	64/19	1.602	44AH	7.8	3.6	25.0	635
5044.184HT	Bluebird/ACSS/TW	2156.0	8	64/19	1.608	44AH	7.8	3.6	25.0	635
5048.191HT	Santee/ACSS/TW	2627.3	8	64/19	1.762	48AH	8.9	4.0	27.0	682

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HiTemp Connector—Straight for ACSS/TW Conductor, 5600HT Series



The 5600HT Series Straight Terminal Connector is specifically designed for ACSS/TW conductors. It is fabricated from a specially tempered aluminum that will transfer elevated current and dissipate increased heat more efficiently.

All HiTemp Terminal Connectors are designed for limited tension use, maintaining a minimum of 40% of the ASTM rated strength of the conductor.

Square edges of the compression accessory pad can cause Corona. Pads with rounded edges and corners can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Catalog Number

Determine the assembly catalog number based on the conductor being used

Step 2: Extra High Voltage Finish

For Extra High Voltage Finish, use "EHV". (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 3: Assemble Catalog Number

Catalog Number + **EHV Finish**

Example:

For 954 Cardinal ACSS/TW Conductor with an EHV finish, the complete catalog number is:

5630.125HTEHV

Notes:

1. Pad Dimensions are on page 378.
2. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 379.
3. Bolt Sizes and Torque Recommendations are on page 379.
4. Installation Instructions for Terminals are on page 414.
5. For more information on die selction and ordering instructions, see the Tools and Equipment section of this catalog.

CATALOG NUMBER	CONDUCTOR					DIE SIZE	WEIGHT		TOTAL LENGTH L		PAD SIZE
	CODE NAME	SIZE	TYPE	STRANDING	DIAMETER						
		KCMIL		AL/ST	IN		LBS	KG	IN	MM	
5620.781HT	Oriole/ACSS/TW	336.4	23	18/7	0.693	20AH	0.6	0.3	8.9	226	D
5624.938HT	Flicker/ACSS/TW	477.0	13	18/7	0.776	24AH	1.0	0.5	9.6	244	D
5624.938HT	Hawk/ACSS/TW	477.0	16	18/7	0.789	24AH	1.0	0.5	9.6	244	D
5624.938HT	Hen/ACSS/TW	477.0	23	18/7	0.825	24AH	1.0	0.5	9.6	244	D
5624.969HT	Parakeet/ACSS/TW	556.5	13	18/7	0.835	24AH	1.0	0.5	9.6	244	D
5624.969HT	Dove/ACSS/TW	556.5	16	20/7	0.852	24AH	1.0	0.5	9.6	244	D
5624.969HT	Calumet/ACSS/TW	565.3	16	18/7	0.858	24AH	1.0	0.5	9.6	244	D
5624.969HT	Mohawk/ACSS/TW	571.7	13	18/7	0.846	24AH	1.0	0.5	9.6	244	D
5627.106HT	Rook/ACSS/TW	636.0	13	19/7	0.890	27AH	2.2	1.0	17.1	434	D
5627.106HT	Grosbeak/ACSS/TW	636.0	16	20/7	0.908	27AH	2.2	1.0	17.1	434	D
5627.106HT	Scoter/ACSS/TW	636.0	23	18/7	0.953	27AH	2.2	1.0	17.1	434	D
5627.106HT	Oswego/ACSS/TW	664.8	16	20/7	0.927	27AH	2.2	1.0	17.1	434	D
5627.106HT	Mystic/ACSS/TW	666.6	13	20/7	0.913	27AH	2.2	1.0	17.1	434	D
5630.116HT	Wabash/ACSS/TW	762.8	16	20/7	0.990	30AH	2.9	1.3	18.6	472	D
5630.116HT	Maumee/ACSS/TW	768.2	13	20/7	0.977	30AH	2.9	1.3	18.6	472	D
5630.116HT	Tern/ACSS/TW	795.0	7	17/7	0.960	30AH	2.9	1.3	18.6	472	D
5630.116HT	Puffin/ACSS/TW	795.0	10	18/7	0.980	30AH	2.9	1.3	18.6	472	D
5630.116HT	Condor/ACSS/TW	795.0	13	20/7	0.993	30AH	2.9	1.3	18.6	472	D
5630.122HT	Drake/ACSS/TW	795.0	16	20/7	1.010	30AH	2.9	1.3	18.6	472	D
5630.122HT	Canary/ACSS/TW	900.0	13	30/7	1.055	30AH	2.8	1.3	18.8	477	D
5630.122HT	Fraser/ACSS/TW	946.7	10	35/7	1.077	30AH	2.8	1.3	18.8	477	D
5630.122HT	Phoenix/ACSS/TW	954.0	5	30/7	1.044	30AH	2.8	1.3	18.8	477	D
5630.122HT	Rail/ACSS/TW	954.0	7	32/7	1.061	30AH	2.8	1.3	18.8	477	D

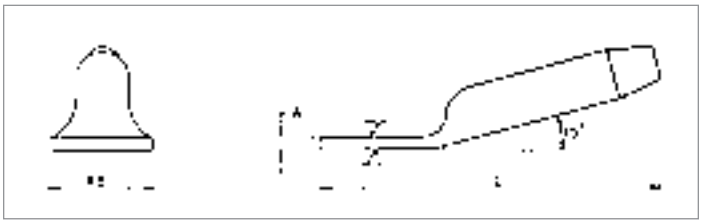
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HiTemp Connector—Straight for ACSS/TW Conductor, 5600HT Series (cont.)

CATALOG NUMBER	CONDUCTOR					DIE SIZE	WEIGHT		TOTAL LENGTH L		PAD SIZE
	CODE NAME	SIZE	TYPE	STRANDING	DIAMETER						
		KCMIL		AL/ST	IN		LBS	KG	IN	MM	
5630.125HT	Cardinal/ACSS/TW	954.0	13	20/7	1.084	30AH	2.8	1.3	18.8	477	D
5630.122HT	Kettle/ACSS/TW	957.2	7	32/7	1.060	30AH	2.8	1.3	18.8	477	D
5630.122HT	Suwannee/ACSS/TW	959.6	16	22/7	1.108	30AH	2.8	1.3	18.8	477	D
5630.122HT	Columbia/ACSS/TW	966.2	13	21/7	1.092	30AH	2.8	1.3	18.8	477	D
5634.128HT	Snowbird/ACSS/TW	1033.5	5	30/7	1.089	34AH	4.2	1.9	19.3	490	D
5634.128HT	Ortolan/ACSS/TW	1033.5	7	32/7	1.102	34AH	4.2	1.9	19.3	490	D
5634.134HT	Curlew/ACSS/TW	1033.5	13	22/7	1.128	34AH	4.0	1.8	19.8	503	D
5634.128HT	—	1080.0	7	20/7	1.131	34AH	4.2	1.9	19.3	490	D
5634.128HT	Avocet/ACSS/TW	1113.0	5	30/7	1.129	34AH	4.2	1.9	19.3	490	D
5634.134HT	Bluejay/ACSS/TW	1113.0	7	33/7	1.143	34AH	4.0	1.8	19.8	503	D
5634.138HT	Finch/ACSS/TW	1113.0	13	38/19	1.185	34AH	4.0	1.8	20.0	508	D
5634.134HT	Genesee/ACSS/TW	1158.0	7	33/7	1.165	34AH	4.0	1.8	19.8	503	D
5634.138HT	Hudson/ACSS/TW	1158.4	13	26/7	1.196	34AH	4.0	1.8	20.0	508	D
5634.134HT	Cheyenne/ACSS/TW	1168.1	5	30/7	1.155	34AH	4.0	1.8	19.8	503	D
5634.138HT	Oxbird/ACSS/TW	1192.5	5	30/7	1.167	34AH	4.0	1.8	20.0	508	D
5634.138HT	Bunting/ACSS/TW	1192.5	7	33/7	1.181	34AH	4.0	1.8	20.0	508	D
5636.144HT	Grackle/ACSS/TW	1192.5	13	38/19	1.225	36AH	4.5	2.0	20.6	523	D
5634.138HT	Yukon/ACSS/TW	1233.6	13	38/19	1.245	34AH	4.0	1.8	20.0	508	D
5634.138HT	Nelson/ACSS/TW	1257.1	7	35/7	1.213	34AH	4.0	1.8	20.0	508	D
5636.144HT	Scissortail/ACSS/TW	1272.0	5	30/7	1.202	36AH	4.5	2.0	20.6	523	D
5634.138HT	Catawba/ACSS/TW	1272.0	5	30/7	1.203	34AH	4.0	1.8	20.0	508	D
5636.144HT	Bittern/ACSS/TW	1272.0	7	35/7	1.220	36AH	4.5	2.0	20.6	523	D
5636.147HT	Pheasant/ACSS/TW	1272.0	13	39/19	1.264	36AH	4.4	2.0	20.1	510	D
5636.144HT	Thames/ACSS/TW	1334.6	13	39/19	1.290	36AH	4.5	2.0	20.6	523	D
5636.147HT	Dipper/ACSS/TW	1351.5	7	35/7	1.256	36AH	4.4	2.0	20.1	510	D
5638.150HT	Martin/ACSS/TW	1351.5	13	39/19	1.300	38AH	5.4	2.5	21.1	536	D
5636.144HT	Mackenzie/ACSS/TW	1359.7	7	36/7	1.259	36AH	4.5	2.0	20.6	523	D
5634.138HT	Truckee/ACSS/TW	1372.5	5	30/7	1.248	34AH	4.0	1.8	20.0	508	D
5638.150HT	Bobolink/ACSS/TW	1431.0	7	36/7	1.291	38AH	5.4	2.5	21.1	536	D
5638.156HT	Plover/ACSS/TW	1431.0	13	37/19	1.337	38AH	5.1	2.3	21.9	556	D
5638.156HT	Merrimack/ACSS/TW	1433.6	13	39/19	1.340	38AH	5.1	2.3	21.9	556	D
5638.156HT	Miramichi/ACSS/TW	1455.3	7	36/7	1.302	38AH	5.1	2.3	21.9	556	D
5638.156HT	St. Croix/ACSS/TW	1467.8	5	33/7	1.292	38AH	5.1	2.3	21.9	556	D
5638.156HT	Rio Grande/ACSS/TW	1533.3	13	39/19	1.382	38AH	5.1	2.3	21.9	556	D
5638.156HT	Potomac/ACSS/TW	1557.4	7	36/7	1.345	38AH	5.1	2.3	21.9	556	D
5638.156HT	Platte/ACSS/TW	1569.0	5	33/7	1.334	38AH	5.1	2.3	21.9	556	D
5640.162HT	Lapwing/ACSS/TW	1590.0	7	36/7	1.358	40AH	5.9	2.7	22.6	574	E
5640.162HT	Falcon/ACSS/TW	1590.0	13	42/19	1.408	40AH	5.9	2.7	22.6	574	E
5640.162HT	Pecos/ACSS/TW	1622.0	13	39/19	1.424	40AH	5.9	2.7	22.6	574	E
5640.162HT	Schuylkill/ACSS/TW	1657.4	7	36/7	1.386	40AH	5.9	2.7	22.6	574	E
5642.168HT	James/ACSS/TW	1730.6	13	34/19	1.470	42AH	6.4	2.9	23.0	584	E
5640.162HT	Pee Dee/ACSS/TW	1758.6	7	37/7	1.427	40AH	5.9	2.7	22.6	574	E
5642.178HT	Chukar/ACSS/TW	1780.0	8	37/19	1.445	42AH	6.4	2.9	23.0	584	E
5642.178HT	Cumberland/ACSS/TW	1926.9	13	42/19	1.545	42AH	6.4	2.9	23.0	584	E
5642.178HT	Athabaska/ACSS/TW	1949.6	7	42/7	1.504	42AH	6.4	2.9	23.0	584	E
5644.184HT	Powder/ACSS/TW	2153.8	8	64/19	1.602	44AH	7.5	3.4	23.6	599	E
5644.184HT	Bluebird/ACSS/TW	2156.0	8	64/19	1.608	44AH	7.5	3.4	23.6	599	E
5648.191HT	Santee/ACSS/TW	2627.3	8	64/19	1.762	48AH	8.7	3.9	25.6	650	E

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HiTemp Terminal Connector—15° for ACSS/TW Conductor, 5100HT Series



The 5100HT Series 15° Terminal Connector is specifically designed for ACSS/TW conductors. It is fabricated from a specially tempered aluminum that will transfer elevated current and dissipate increased heat more efficiently.

When used with the HiTemp Dead End, the 15° terminal connector can be bolted in either the straight or 30° position. All HiTemp Terminal Connectors are designed for limited tension use, maintaining a minimum of 40% of the ASTM rated strength of the conductor. Aluminum hardware is supplied with the 15° terminal connector.

Square edges of the compression accessory pad can cause Corona. Pads with rounded edges and corners can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Catalog Number

Determine the assembly catalog number based on the conductor being used.

Step 2: Extra High Voltage Finish

For Extra High Voltage Finish, use "EHV". (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 3: Assemble Catalog Number

Catalog Number + **EHV Finish**

Example:

For 954 Cardinal ACSS/TW Conductor with an EHV finish, the complete catalog number is:

5130.125HTEHV

Notes:

1. Pad Dimensions are on page 378.
2. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 379.
3. Bolt Sizes and Torque Recommendations are on page 379.
4. Installation Instructions for Terminals are on page 414.
5. For more information on die selction and ordering instructions, see the Tools and Equipment section of this catalog.

CATALOG NUMBER	CONDUCTOR					DIE SIZE	WEIGHT		TOTAL LENGTH L		PAD SIZE
	CODE NAME	SIZE	TYPE	STRANDING	DIAMETER						
		KCMIL		AL/ST	IN		LBS	KG	IN	MM	
5120.781HT	Oriole/ACSS/TW	336.4	23	18/7	0.693	20AH	1.6	0.7	13.2	333	D
5124.938HT	Flicker/ACSS/TW	477.0	13	18/7	0.776	24AH	2.0	0.9	13.9	353	D
5124.938HT	Hawk/ACSS/TW	477.0	16	18/7	0.789	24AH	2.0	0.9	13.9	353	D
5124.938HT	Hen/ACSS/TW	477.0	23	18/7	0.825	24AH	2.0	0.9	13.9	353	D
5124.969HT	Parakeet/ACSS/TW	556.5	13	18/7	0.835	24AH	2.0	0.9	13.9	353	D
5124.969HT	Dove/ACSS/TW	556.5	16	20/7	0.852	24AH	2.0	0.9	13.9	353	D
5124.969HT	Calumet/ACSS/TW	565.3	16	18/7	0.858	24AH	2.0	0.9	13.9	353	D
5124.969HT	Mohawk/ACSS/TW	571.7	13	18/7	0.846	24AH	2.0	0.9	13.9	353	D
5127.106HT	Rook/ACSS/TW	636.0	13	19/7	0.890	27AH	2.4	1.1	16.3	414	D
5127.106HT	Grosbeak/ACSS/TW	636.0	16	20/7	0.908	27AH	2.4	1.1	16.3	414	D
5127.106HT	Scoter/ACSS/TW	636.0	23	18/7	0.953	27AH	2.4	1.1	16.3	414	D
5127.106HT	Oswego/ACSS/TW	664.8	16	20/7	0.927	27AH	2.4	1.1	16.3	414	D
5127.106HT	Mystic/ACSS/TW	666.6	13	20/7	0.913	27AH	2.4	1.1	16.3	414	D
5130.116HT	Wabash/ACSS/TW	762.8	16	20/7	0.990	30AH	3.3	1.5	17.8	452	D
5130.116HT	Maumee/ACSS/TW	768.2	13	20/7	0.977	30AH	3.3	1.5	17.8	452	D
5130.116HT	Tern/ACSS/TW	795.0	7	17/7	0.960	30AH	3.3	1.5	17.8	452	D
5130.116HT	Puffin/ACSS/TW	795.0	10	18/7	0.980	30AH	3.3	1.5	17.8	452	D
5130.116HT	Condor/ACSS/TW	795.0	13	20/7	0.993	30AH	3.3	1.5	17.8	452	D
5130.122HT	Drake/ACSS/TW	795.0	16	20/7	1.010	30AH	3.3	1.5	17.8	452	D
5130.122HT	Canary/ACSS/TW	900.0	13	30/7	1.055	30AH	3.1	1.4	18.1	460	D
5130.122HT	Fraser/ACSS/TW	946.7	10	35/7	1.077	30AH	3.1	1.4	18.1	460	D
5130.122HT	Phoenix/ACSS/TW	954.0	5	30/7	1.044	30AH	3.1	1.4	18.1	460	D
5130.122HT	Rail/ACSS/TW	954.0	7	32/7	1.061	30AH	3.1	1.4	18.1	460	D

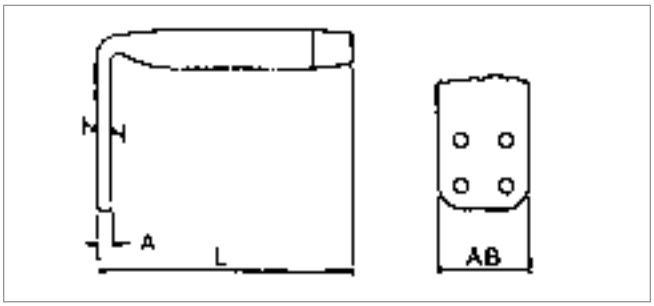
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HiTemp Terminal Connector—15° for ACSS/TW Conductor, 5100HT Series (cont.)

CATALOG NUMBER	CONDUCTOR					DIE SIZE	WEIGHT		TOTAL LENGTH L		PAD SIZE
	CODE NAME	SIZE	TYPE	STRANDING	DIAMETER						
		KCMIL		AL/ST	IN		LBS	KG	IN	MM	
5130.125HT	Cardinal/ACSS/TW	954.0	13	20/7	1.084	30AH	3.1	1.4	18.3	465	D
5130.122HT	Kettle/ACSS/TW	957.2	7	32/7	1.060	30AH	3.1	1.4	18.1	460	D
5130.122HT	Suwannee/ACSS/TW	959.6	16	22/7	1.108	30AH	3.1	1.4	18.1	460	D
5130.122HT	Columbia/ACSS/TW	966.2	13	21/7	1.092	30AH	3.1	1.4	18.1	460	D
5134.128HT	Snowbird/ACSS/TW	1033.5	5	30/7	1.089	34AH	4.5	2.0	18.2	462	D
5134.128HT	Ortolan/ACSS/TW	1033.5	7	32/7	1.102	34AH	4.5	2.0	18.2	462	D
5134.134HT	Curlew/ACSS/TW	1033.5	13	22/7	1.128	34AH	4.4	2.0	18.3	465	D
5134.128HT	—	1080.0	7	20/7	1.131	34AH	4.5	2.0	18.1	460	D
5134.128HT	Avocet/ACSS/TW	1113.0	5	30/7	1.129	34AH	4.4	2.0	18.3	465	D
5134.134HT	Bluejay/ACSS/TW	1113.0	7	33/7	1.143	34AH	4.4	2.0	18.1	460	D
5134.138HT	Finch/ACSS/TW	1113.0	13	38/19	1.185	34AH	4.2	1.9	18.4	467	D
5134.134HT	Genesee/ACSS/TW	1158.0	7	33/7	1.165	34AH	4.4	2.0	18.3	465	D
5134.138HT	Hudson/ACSS/TW	1158.4	13	26/7	1.196	34AH	4.2	1.9	18.4	467	D
5134.134HT	Cheyenne/ACSS/TW	1168.1	5	30/7	1.155	34AH	4.4	2.0	18.3	465	D
5134.138HT	Oxbird/ACSS/TW	1192.5	5	30/7	1.167	34AH	4.2	1.9	18.4	467	D
5134.138HT	Bunting/ACSS/TW	1192.5	7	33/7	1.181	34AH	4.2	1.9	18.4	467	D
5136.144HT	Grackle/ACSS/TW	1192.5	13	38/19	1.225	36AH	4.7	2.1	19.1	485	D
5134.138HT	Yukon/ACSS/TW	1233.6	13	38/19	1.245	34AH	4.2	1.9	18.4	467	D
5134.138HT	Nelson/ACSS/TW	1257.1	7	35/7	1.213	34AH	4.2	1.9	18.4	468	D
5136.144HT	Scissortail/ACSS/TW	1272.0	5	30/7	1.202	36AH	4.7	2.1	19.1	485	D
5134.138HT	Catawba/ACSS/TW	1272.0	5	30/7	1.203	34AH	4.2	1.9	18.4	468	D
5136.144HT	Bittern/ACSS/TW	1272.0	7	35/7	1.220	36AH	4.7	2.1	19.1	485	D
5136.147HT	Pheasant/ACSS/TW	1272.0	13	39/19	1.264	36AH	4.7	2.1	19.0	483	D
5136.144HT	Thames/ACSS/TW	1334.6	13	39/19	1.290	36AH	4.7	2.1	19.1	485	D
5136.147HT	Dipper/ACSS/TW	1351.5	7	35/7	1.256	36AH	4.7	2.1	19.0	483	D
5138.150HT	Martin/ACSS/TW	1351.5	13	39/19	1.300	38AH	5.6	2.5	19.6	498	D
5136.144HT	Mackenzie/ACSS/TW	1359.7	7	36/7	1.259	36AH	4.7	2.1	19.1	485	D
5134.138HT	Truckee/ACSS/TW	1372.5	5	30/7	1.248	34AH	4.2	1.9	18.4	467	D
5138.150HT	Bobolink/ACSS/TW	1431.0	7	36/7	1.291	38AH	5.6	2.5	19.6	498	D
5138.156HT	Plover/ACSS/TW	1431.0	13	37/19	1.337	38AH	5.5	2.9	20.5	521	D
5138.156HT	Merrimack/ACSS/TW	1433.6	13	39/19	1.340	38AH	5.5	2.5	20.5	521	D
5138.156HT	Miramichi/ACSS/TW	1455.3	7	36/7	1.302	38AH	5.5	2.5	20.5	521	D
5138.156HT	St. Croix/ACSS/TW	1467.8	5	33/7	1.292	38AH	5.5	2.5	20.5	521	D
5138.156HT	Rio Grande/ACSS/TW	1533.3	13	39/19	1.382	38AH	5.5	2.5	20.5	521	D
5138.156HT	Potomac/ACSS/TW	1557.4	7	36/7	1.345	38AH	5.5	2.5	20.5	521	D
5138.156HT	Platte/ACSS/TW	1569.0	5	33/7	1.334	38AH	5.5	2.5	20.5	521	D
5140.162HT	Lapwing/ACSS/TW	1590.0	7	36/7	1.358	40AH	6.4	2.9	21.3	541	E
5140.162HT	Falcon/ACSS/TW	1590.0	13	42/19	1.408	40AH	6.4	2.9	21.3	541	E
5140.162HT	Pecos/ACSS/TW	1622.0	13	39/19	1.424	40AH	6.4	2.9	21.3	541	E
5140.162HT	Schuylkill/ACSS/TW	1657.4	7	36/7	1.386	40AH	6.4	2.9	21.3	541	E
5142.168HT	James/ACSS/TW	1730.6	13	34/19	1.470	42AH	6.9	3.1	22.3	566	E
5140.162HT	Pee Dee/ACSS/TW	1758.6	7	37/7	1.427	40AH	6.0	2.7	21.3	541	E
5142.178HT	Chukar/ACSS/TW	1780.0	8	37/19	1.445	42AH	6.9	3.1	22.3	566	E
5142.178HT	Cumberland/ACSS/TW	1926.9	13	42/19	1.545	42AH	6.9	3.1	22.3	566	E
5142.178HT	Athabaska/ACSS/TW	1949.6	7	42/7	1.504	42AH	6.9	3.1	22.3	566	E
5144.184HT	Powder/ACSS/TW	2153.8	8	64/19	1.602	44AH	8.0	3.6	22.4	569	E
5144.184HT	Bluebird/ACSS/TW	2156.0	8	64/19	1.608	44AH	8.0	3.6	22.4	569	E
5148.191HT	Santee/ACSS/TW	2627.3	8	64/19	1.762	48AH	8.7	4.0	24.2	615	E

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HiTemp Terminal Connector—90° for ACSS/TW Conductor, 5800HT Series



The 5800HT Series 90° Terminal Connector is specifically designed for ACSS/TW conductors. It is fabricated from a specially tempered aluminum that will transfer elevated current and dissipate increased heat more efficiently.

All HiTemp Terminal Connectors are designed for limited tension use, maintaining a minimum of 40% of the ASTM rated strength of the conductor.

Square edges of the compression accessory pad can cause Corona. Pads with rounded edges and corners can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Catalog Number

Determine the assembly catalog number based on the conductor being used.

Step 2: Extra High Voltage Finish

For Extra High Voltage Finish, use "EHV". (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 3: Assemble Catalog Number

Catalog Number + **EHV Finish**

Example:

For 954 Cardinal ACSS/TW Conductor with an EHV finish, the complete catalog number is:

5830.125HTEHV

Notes:

1. Pad Dimensions are on page 378.
2. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 379.
3. Bolt Sizes and Torque Recommendations are on page 379.
4. Installation Instructions for Terminals are on page 414.
5. For more information on die selction and ordering instructions, see the Tools and Equipment section of this catalog.

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HiTemp Terminal Connector—90° for ACSS/TW Conductor, 5800HT Series (cont.)

CATALOG NUMBER	CONDUCTOR					DIE SIZE	WEIGHT		TOTAL LENGTH L		DIE SIZE
	CODE NAME	SIZE	TYPE	STRANDING	DIAMETER						
		KCMIL		AL/ST	IN		LBS	KG	IN	MM	
5820.781HT	Oriole/ACSS/TW	336.4	23	18/7	0.693	20AH	1.3	0.6	10.8	274	D
5824.938HT	Flicker/ACSS/TW	477.0	13	18/7	0.776	24AH	2.0	0.9	11.4	290	D
5824.938HT	Hawk/ACSS/TW	477.0	16	18/7	0.789	24AH	2.0	0.9	11.4	290	D
5824.938HT	Hen/ACSS/TW	477.0	23	18/7	0.825	24AH	2.0	0.9	11.4	290	D
5824.969HT	Parakeet/ACSS/TW	556.5	13	18/7	0.835	24AH	2.0	0.9	11.4	290	D
5824.969HT	Dove/ACSS/TW	556.5	16	20/7	0.852	24AH	2.0	0.9	11.4	290	D
5824.969HT	Calumet/ACSS/TW	565.3	16	18/7	0.858	24AH	2.0	0.9	11.4	290	D
5824.969HT	Mohawk/ACSS/TW	571.7	13	18/7	0.846	24AH	2.0	0.9	11.4	290	D
5827.106HT	Rook/ACSS/TW	636.0	13	19/7	0.890	27AH	2.5	1.1	12.8	325	D
5827.106HT	Grosbeak/ACSS/TW	636.0	16	20/7	0.908	27AH	2.5	1.1	12.8	325	D
5827.106HT	Scoter/ACSS/TW	636.0	23	18/7	0.953	27AH	2.5	1.1	12.8	325	D
5827.106HT	Oswego/ACSS/TW	664.8	16	20/7	0.927	27AH	2.5	1.1	12.8	325	D
5827.106HT	Mystic/ACSS/TW	666.6	13	20/7	0.913	27AH	2.5	1.1	12.8	325	D
5830.116HT	Wabash/ACSS/TW	762.8	16	20/7	0.990	30AH	3.2	1.5	14.5	368	D
5830.116HT	Maumee/ACSS/TW	768.2	13	20/7	0.977	30AH	3.2	1.5	14.5	368	D
5830.116HT	Tern/ACSS/TW	795.0	7	17/7	0.960	30AH	3.2	1.5	14.5	368	D
5830.116HT	Puffin/ACSS/TW	795.0	10	18/7	0.980	30AH	3.2	1.5	14.5	368	D
5830.116HT	Condor/ACSS/TW	795.0	13	20/7	0.993	30AH	3.2	1.5	14.5	368	D
5830.122HT	Drake/ACSS/TW	795.0	16	20/7	1.010	30AH	3.2	1.5	14.5	368	D
5830.122HT	Canary/ACSS/TW	900.0	13	30/7	1.055	30AH	3.0	1.4	14.7	373	D
5830.122HT	Fraser/ACSS/TW	946.7	10	35/7	1.077	30AH	3.0	1.4	14.7	373	D
5830.122HT	Phoenix/ACSS/TW	954.0	5	30/7	1.044	30AH	3.0	1.4	14.7	373	D
5830.122HT	Rail/ACSS/TW	954.0	7	32/7	1.061	30AH	3.0	1.4	14.7	373	D
5830.125HT	Cardinal/ACSS/TW	954.0	13	20/7	1.084	30AH	3.0	1.4	14.7	373	D
5830.122HT	Kettle/ACSS/TW	957.2	7	32/7	1.060	30AH	3.0	1.4	14.7	373	D
5830.122HT	Suwannee/ACSS/TW	959.6	16	22/7	1.108	30AH	3.0	1.4	14.7	373	D
5830.122HT	Columbia/ACSS/TW	966.2	13	21/7	1.092	30AH	3.0	1.4	14.7	373	D
5834.128HT	Snowbird/ACSS/TW	1033.5	5	30/7	1.089	34AH	4.5	2.0	15.5	394	D
5834.128HT	Ortolan/ACSS/TW	1033.5	7	32/7	1.102	34AH	4.5	2.0	15.5	394	D
5834.134HT	Curlew/ACSS/TW	1033.5	13	22/7	1.128	34AH	4.3	2.0	15.5	394	D
5834.128HT	—	1080.0	7	20/7	1.131	34AH	4.5	2.0	15.5	394	D
5834.128HT	Avocet/ACSS/TW	1113.0	5	30/7	1.129	34AH	4.5	2.0	15.5	394	D
5834.134HT	Bluejay/ACSS/TW	1113.0	7	33/7	1.143	34AH	4.3	2.0	15.5	394	D
5834.138HT	Finch/ACSS/TW	1113.0	13	38/19	1.185	34AH	4.3	2.0	15.5	394	D
5834.134HT	Genesee/ACSS/TW	1158.0	7	33/7	1.165	34AH	4.3	2.0	15.5	394	D
5834.138HT	Hudson/ACSS/TW	1158.4	13	26/7	1.196	34AH	4.2	1.9	15.5	394	D
5834.134HT	Cheyenne/ACSS/TW	1168.1	5	30/7	1.155	34AH	4.3	2.0	15.5	394	D
5834.138HT	Oxbird/ACSS/TW	1192.5	5	30/7	1.167	34AH	4.2	1.9	15.5	394	D
5834.138HT	Bunting/ACSS/TW	1192.5	7	33/7	1.181	34AH	4.2	1.9	15.5	394	D
5836.144HT	Grackle/ACSS/TW	1192.5	13	38/19	1.225	36AH	4.7	2.1	16.1	409	D
5834.138HT	Yukon/ACSS/TW	1233.6	13	38/19	1.245	34AH	4.2	1.9	15.5	394	D
5834.138HT	Nelson/ACSS/TW	1257.1	7	35/7	1.213	34AH	4.2	1.9	15.5	394	D

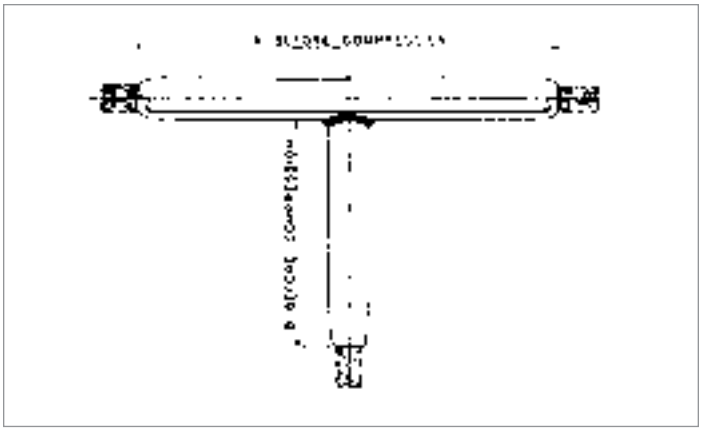
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HiTemp Terminal Connector—90° for ACSS/TW Conductor, 5800HT Series (cont.)

CATALOG NUMBER	CONDUCTOR					DIE SIZE	WEIGHT		TOTAL LENGTH L		DIE SIZE
	CODE NAME	SIZE	TYPE	STRANDING	DIAMETER						
		KCMIL		AL/ST	IN		LBS	KG	IN	MM	
5836.144HT	Scissortail/ACSS/TW	1272.0	5	30/7	1.202	36AH	4.7	2.1	16.1	394	D
5834.138HT	Catawba/ACSS/TW	1272.0	5	30/7	1.203	34AH	4.2	1.9	15.5	394	D
5836.144HT	Bittern/ACSS/TW	1272.0	7	35/7	1.220	36AH	4.7	2.1	16.1	409	D
5836.147HT	Pheasant/ACSS/TW	1272.0	13	39/19	1.264	36AH	4.7	2.1	16.1	409	D
5836.144HT	Thames/ACSS/TW	1334.6	13	39/19	1.290	36AH	4.7	2.1	16.1	409	D
5836.147HT	Dipper/ACSS/TW	1351.5	7	35/7	1.256	36AH	4.7	2.1	16.1	409	D
5838.150HT	Martin/ACSS/TW	1351.5	13	39/19	1.300	38AH	5.5	2.5	16.6	422	D
5836.144HT	Mackenzie/ACSS/TW	1359.7	7	36/7	1.259	36AH	4.7	2.1	16.1	409	D
5834.138HT	Truckee/ACSS/TW	1372.5	5	30/7	1.248	34AH	4.2	1.9	15.5	394	D
5838.150HT	Bobolink/ACSS/TW	1431.0	7	36/7	1.291	38AH	5.5	2.5	16.6	422	D
5838.156HT	Plover/ACSS/TW	1431.0	13	37/19	1.337	38AH	5.4	2.5	17.6	447	D
5838.156HT	Merrimack/ACSS/TW	1433.6	13	39/19	1.340	38AH	5.4	2.5	17.6	447	D
5838.156HT	Miramichi/ACSS/TW	1455.3	7	36/7	1.302	38AH	5.4	2.5	17.6	447	D
5838.156HT	St. Croix/ACSS/TW	1467.8	5	33/7	1.292	38AH	5.4	2.5	17.6	447	D
5838.156HT	Rio Grande/ACSS/TW	1533.3	13	39/19	1.382	38AH	5.4	2.5	17.6	447	D
5838.156HT	Potomac/ACSS/TW	1557.4	7	36/7	1.345	38AH	5.4	2.5	17.6	447	D
5838.156HT	Platte/ACSS/TW	1569.0	5	33/7	1.334	38AH	5.4	2.5	17.6	447	D
5840.162HT	Lapwing/ACSS/TW	1590.0	7	36/7	1.358	40AH	6.1	2.8	17.3	439	E
5840.162HT	Falcon/ACSS/TW	1590.0	13	42/19	1.408	40AH	6.1	2.8	17.3	439	E
5840.162HT	Pecos/ACSS/TW	1622.0	13	39/19	1.424	40AH	6.1	2.8	17.3	439	E
5840.162HT	Schuylkill/ACSS/TW	1657.4	7	36/7	1.386	40AH	6.1	2.8	17.3	439	E
5842.168HT	James/ACSS/TW	1730.6	13	34/19	1.470	42AH	7.0	3.2	17.3	439	E
5840.162HT	Pee Dee/ACSS/TW	1758.6	7	37/7	1.427	40AH	6.1	2.8	17.3	439	E
5842.178HT	Chukar/ACSS/TW	1780.0	8	37/19	1.445	42AH	7.0	3.2	18.5	470	E
5842.178HT	Cumberland/ACSS/TW	1926.9	13	42/19	1.545	42AH	7.0	3.2	18.5	470	E
5842.178HT	Athabaska/ACSS/TW	1949.6	7	42/7	1.504	42AH	7.0	3.2	18.5	470	E
5844.184HT	Powder/ACSS/TW	2153.8	8	64/19	1.602	44AH	8.4	3.8	18.7	475	E
5844.184HT	Bluebird/ACSS/TW	2156.0	8	64/19	1.608	44AH	8.4	3.8	18.7	475	E
5848.191HT	Santee/ACSS/TW	2627.3	8	64/19	1.762	48AH	10.6	4.8	20.3	516	E

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HiTemp Tee Connector—Open Run for ACSS/TW Conductor, 5500HT Series



The 5500HT Series Tee Connector is a permanent drop specifically designed for ACSS/TW conductors. It is fabricated from a specially tempered aluminum that will transfer elevated current and dissipate increased heat more efficiently.

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.

For die sizes 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 a Tee Connector with a run conductor of 954 Cardinal ACSS/TW Conductor and a branch conductor of 1192.5 Gracklel ACSS/TW Conductor, the complete catalog number is:

5530.3-36.144HT

Notes:

1. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 379.
2. Installation Instructions for Tee Connectors are on page 416.

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HiTemp Tee Connector—Open Run for ACSS/TW Conductor, 5500HT Series (cont.)

PARTIAL CATALOG NUMBER		CONDUCTOR					DIE SIZE	WEIGHT		RUN LENGTH A		BRANCH LENGTH B	
		CODE NAME	SIZE	TYPE	STRANDING	DIAMETER							
RUN	BRANCH		KCMIL		AL/ST	IN		LBS	KG	IN	MM	IN	MM
5520.3	-20.781HT	Oriole/ACSS/TW	336.4	23	18/7	0.693	20AH	2.5	1.1	22.5	569	11.6	294
5524.3	-24.938HT	Flicker/ACSS/TW	477.0	13	18/7	0.776	24AH	3.9	1.8	23.5	594	12.3	310
5524.3	-24.938HT	Hawk/ACSS/TW	477.0	16	18/7	0.789	24AH	3.9	1.8	23.5	594	12.3	310
5524.3	-24.938HT	Hen/ACSS/TW	477.0	23	18/7	0.825	24AH	3.9	1.8	23.5	594	12.3	310
5524.3	-24.969HT	Parakeet/ACSS/TW	556.5	13	18/7	0.835	24AH	3.8	1.7	23.5	594	12.3	310
5524.3	-24.969HT	Dove/ACSS/TW	556.5	16	20/7	0.852	24AH	3.8	1.7	23.5	594	12.3	310
5524.3	-24.969HT	Calumet/ACSS/TW	565.3	16	18/7	0.858	24AH	3.8	1.7	23.5	594	12.3	310
5524.3	-24.969HT	Mohawk/ACSS/TW	571.7	13	18/7	0.846	24AH	3.8	1.7	23.5	594	12.3	310
5527.3	-27.106HT	Rook/ACSS/TW	636.0	13	19/7	0.890	27AH	5.5	2.5	26.3	664	12.8	325
5527.3	-27.106HT	Grosbeak/ACSS/TW	636.0	16	20/7	0.908	27AH	5.5	2.5	26.3	664	12.8	325
5527.3	-27.106HT	Scoter/ACSS/TW	636.0	23	18/7	0.953	27AH	5.5	2.5	26.3	664	12.8	325
5527.3	-27.106HT	Oswego/ACSS/TW	664.8	16	20/7	0.927	27AH	5.5	2.5	26.3	664	12.3	310
5527.3	-27.106HT	Mystic/ACSS/TW	666.6	13	20/7	0.913	27AH	5.5	2.5	26.3	664	12.3	310
5530.3	-30.116HT	Wabash/ACSS/TW	762.8	16	20/7	0.990	30AH	6.4	2.9	27.1	686	13.4	340
5530.3	-30.116HT	Maumee/ACSS/TW	768.2	13	20/7	0.977	30AH	6.4	2.9	27.1	686	13.4	340
5530.3	-30.116HT	Tern/ACSS/TW	795.0	7	17/7	0.960	30AH	6.4	2.9	27.1	686	13.4	340
5530.3	-30.116HT	Puffin/ACSS/TW	795.0	10	18/7	0.980	30AH	6.4	2.9	27.1	686	13.4	340
5530.3	-30.116HT	Condor/ACSS/TW	795.0	13	20/7	0.993	30AH	6.4	2.9	27.1	686	13.4	340
5530.3	-30.122HT	Drake/ACSS/TW	795.0	16	20/7	1.010	30AH	6.4	2.9	27.1	686	13.4	340
5530.3	-30.122HT	Canary/ACSS/TW	900.0	13	30/7	1.055	30AH	6.3	2.9	27.1	686	13.4	340
5530.3	-30.122HT	Fraser/ACSS/TW	946.7	10	35/7	1.077	30AH	6.3	2.9	27.1	686	13.4	340
5530.3	-30.122HT	Phoenix/ACSS/TW	954.0	5	30/7	1.044	30AH	6.3	2.9	27.1	686	13.4	340
5530.3	-30.122HT	Rail/ACSS/TW	954.0	7	32/7	1.061	30AH	6.3	2.9	27.1	686	13.4	340
5530.3	-30.125HT	Cardinal/ACSS/TW	954.0	13	20/7	1.084	30AH	6.2	2.8	27.1	686	13.4	340
5530.3	-30.122HT	Kettle/ACSS/TW	957.2	7	32/7	1.060	30AH	6.3	2.9	27.1	686	13.4	340
5530.3	-30.122HT	Suwannee/ACSS/TW	959.6	16	22/7	1.108	30AH	6.3	2.9	27.1	686	13.4	340
5530.3	-30.122HT	Columbia/ACSS/TW	966.2	13	21/7	1.092	30AH	6.3	2.9	27.1	686	13.4	340
5534.3	-.34.128HT	Snowbird/ACSS/TW	1033.5	5	30/7	1.089	34AH	8.9	4.0	28.1	711	14.1	355
5534.3	-34.128HT	Ortolan/ACSS/TW	1033.5	7	32/7	1.102	34AH	8.9	4.0	28.1	711	14.1	355
5534.3	-34.134HT	Curlew/ACSS/TW	1033.5	13	22/7	1.128	34AH	8.7	4.0	28.1	711	14.1	355
5534.3	-34.128HT	—	1080.0	7	20/7	1.131	34AH	8.9	4.0	28.1	711	14.1	355
5534.3	-34.128HT	Avocet/ACSS/TW	1113.0	5	30/7	1.129	34AH	8.9	4.0	28.1	711	14.1	355
5534.3	-34.134HT	Bluejay/ACSS/TW	1113.0	7	33/7	1.143	34AH	8.6	3.9	28.1	711	14.1	355
5534.3	-34.134HT	Finch/ACSS/TW	1113.0	13	38/19	1.185	34AH	8.7	4.0	28.1	711	14.1	355
5534.3	-34.134HT	Genesee/ACSS/TW	1158.0	7	33/7	1.165	34AH	8.7	4.0	28.1	711	14.1	355
5534.3	-34.138HT	Hudson/ACSS/TW	1158.4	13	26/7	1.196	34AH	8.6	3.9	28.1	711	14.1	355
5534.3	-34.134HT	Cheyenne/ACSS/TW	1168.1	5	30/7	1.155	34AH	8.7	4.0	28.1	711	14.1	355
5534.3	-34.138HT	Oxbird/ACSS/TW	1192.5	5	30/7	1.167	34AH	8.6	3.9	28.1	711	14.1	355
5534.3	-34.138HT	Bunting/ACSS/TW	1192.5	7	33/7	1.181	34AH	8.6	3.9	28.1	711	14.1	355
5536.3	-36.144HT	Grackle/ACSS/TW	1192.5	13	38/19	1.225	36AH	9.4	4.3	29.0	733	14.6	370
5534.3	-34.138HT	Yukon/ACSS/TW	1233.6	13	38/19	1.245	34AH	8.6	3.9	28.1	711	14.1	355

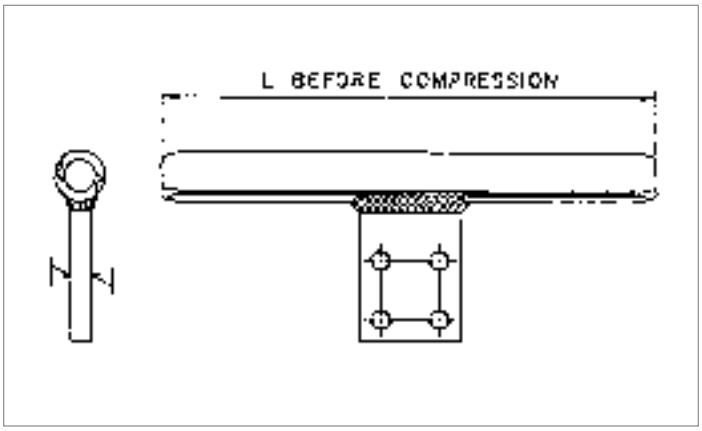
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HiTemp Tee Connector—Open Run for ACSS/TW Conductor, 5500HT Series (cont.)

PARTIAL CATALOG NUMBER		CONDUCTOR					DIE SIZE	WEIGHT		RUN LENGTH A		BRANCH LENGTH B	
		CODE NAME	SIZE	TYPE	STRANDING	DIAMETER							
RUN	BRANCH		KCMIL		AL/ST	IN		LBS	KG	IN	MM	IN	MM
5534.3	-34.138HT	Nelson/ACSS/TW	1257.1	7	35/7	1.213	34AH	8.6	3.9	28.1	711	14.1	355
5536.3	-36.144HT	Scissortail/ACSS/TW	1272.0	5	30/7	1.202	36AH	9.4	4.3	29.0	733	14.6	370
5534.3	-34.138HT	Catawba/ACSS/TW	1272.0	5	30/7	1.203	34AH	8.6	3.9	28.1	711	14.1	355
5536.3	-36.144HT	Bittern/ACSS/TW	1272.0	7	35/7	1.220	36AH	9.4	4.3	29.0	733	14.6	370
5536.3	-36.147HT	Pheasant/ACSS/TW	1272.0	13	39/19	1.264	36AH	9.3	4.2	29.0	733	14.6	370
5536.3	-36.144HT	Thames/ACSS/TW	1334.6	13	39/19	1.290	36AH	9.4	4.3	29.0	733	14.6	370
5536.3	-36.147HT	Dipper/ACSS/TW	1351.5	7	35/7	1.256	36AH	9.3	4.2	29.0	733	14.6	370
5538.3	-38.150HT	Martin/ACSS/TW	1351.5	13	39/19	1.300	38AH	11.1	5.1	29.9	756	15.2	384
5536.3	-36.144HT	Mackenzie/ACSS/TW	1359.7	7	36/7	1.259	36AH	9.4	4.3	29.0	733	14.6	370
5534.3	-34.138HT	Truckee/ACSS/TW	1372.5	5	30/7	1.248	34AH	8.6	3.9	28.1	711	14.1	355
5538.3	-38.150HT	Bobolink/ACSS/TW	1431.0	7	36/7	1.291	38AH	11.1	5.1	29.9	756	15.2	384
5538.3	-38.156HT	Plover/ACSS/TW	1431.0	13	37/19	1.337	38AH	10.8	4.9	29.9	756	15.2	384
5538.3	-38.156HT	Merrimack/ACSS/TW	1433.6	13	39/19	1.340	38AH	10.8	4.9	29.9	756	15.2	384
5538.3	-38.156HT	Miramichi/ACSS/TW	1455.3	7	36/7	1.302	38AH	10.8	4.9	29.9	756	15.2	384
5538.3	-38.156HT	St. Croix/ACSS/TW	1467.8	5	33/7	1.292	38AH	10.8	4.9	29.9	756	15.2	384
5538.3	-38.156HT	Rio Grande/ACSS/TW	1533.3	13	39/19	1.382	38AH	10.8	4.9	29.9	756	15.2	384
5538.3	-38.156HT	Potomac/ACSS/TW	1557.4	7	36/7	1.345	38AH	10.8	4.9	29.9	756	15.2	384
5538.3	-38.156HT	Platte/ACSS/TW	1569.0	5	33/7	1.334	38AH	10.8	4.9	29.9	756	15.2	384
5540.3	-40.162HT	Lapwing/ACSS/TW	1590.0	7	36/7	1.358	40AH	12.6	5.7	30.8	778	15.8	398
5540.3	-40.162HT	Falcon/ACSS/TW	1590.0	13	42/19	1.408	40AH	12.6	5.7	30.8	778	15.8	398
5540.3	-40.162HT	Pecos/ACSS/TW	1622.0	13	39/19	1.424	40AH	12.6	5.7	30.8	778	15.8	398
5540.3	-40.162HT	Schuylkill/ACSS/TW	1657.4	7	36/7	1.386	40AH	12.6	5.7	30.8	778	15.8	398
5542.3	-40.168HT	James/ACSS/TW	1730.6	13	34/19	1.470	42AH	14.6	6.6	31.6	800	16.4	414
5540.3	-40.168HT	Pee Dee/ACSS/TW	1758.6	7	37/7	1.427	40AH	13.3	6.1	30.8	778	15.8	398
5540.3	-40.162HT	Schuylkill/ACSS/TW	1657.4	7	36/7	1.386	40AH	12.6	5.7	30.8	778	15.8	398
5542.3	-42.168HT	James/ACSS/TW	1730.6	13	34/19	1.470	42AH	14.6	6.6	31.6	800	16.4	414
5540.3	-40.162HT	Pee Dee/ACSS/TW	1758.6	7	37/7	1.427	40AH	13.3	6.1	30.8	778	15.8	398
5542.3	-42.178HT	Chukar/ACSS/TW	1780.0	8	37/19	1.445	42AH	14.2	6.5	31.6	803	16.4	416
5542.3	-42.178HT	Cumberland/ACSS/TW	1926.9	13	42/19	1.545	42AH	14.2	6.5	31.6	803	16.4	416
5542.3	-42.178HT	Athabaska/ACSS/TW	1949.6	7	42/7	1.504	42AH	14.2	6.5	31.6	803	16.4	416
5544.3	-44.184HT	Powder/ACSS/TW	2153.8	8	64/19	1.602	44AH	15.9	7.2	32.5	826	16.0	406
5544.3	-44.184HT	Bluebird/ACSS/TW	2156.0	8	64/19	1.608	44AH	15.9	7.2	32.5	826	16.0	406
5548.3	-48.191HT	Santee/ACSS/TW	2627.3	8	64/19	1.762	48AH	20.9	9.5	32.5	826	16.0	406

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HiTemp Tee Tap—Open Run for ACSS/TW Conductor, 5300HT Series



The 5500HT Series Tee Tap is a permanent or temporary drop specifically designed for ACSS/TW conductors. It is fabricated from a specially tempered aluminum that will transfer elevated current and dissipate increased heat more efficiently.

The run portion incorporates an improved design of interlocking extrusions, providing a permanent grip on the conductor when compressed.

For die sizes 30AH and above, the end tapers of the compression portions of all compression accessories are supplied with a high voltage finish.

Square edges of the compression accessory pad can cause Corona. Pads with rounded edges and corners can be supplied by adding the catalog suffix 'EHV'.

Ordering Instructions

Step 1: Catalog Number

Determine the catalog number based on the conductor being used.

Step 2: Extra High Voltage Finish

For Extra High Voltage Finish, use "EHV". (≥ 345 kV)
For Standard Finish, leave blank. (< 345 kV)

Step 3: Assemble Catalog Number

Catalog Number + **EHV Finish**

Example:

For 954 Cardinal ACSS/TW Conductor with EHV finish, the complete catalog number is:

5330.3HTEHV

Notes:
1. Pad Dimensions are on page 378.
2. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 379.
3. Bolt Sizes and Torque Recommendations are on page 379.
4. Installation Instructions for Tee Taps are on page 416.

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HiTemp Tee Tap—Open Run for ACSS/TW Conductor, 5300HT Series (cont.)

Catalog Number	Conductor					Die Size	Weight		Total Length L		Pad Size
	Code Name	Size	Type	Stranding	Diameter						
		kcmil		Al/St	in		lbs	kg	in	mm	
5320.3HT	Oriole/ACSS/TW	336.4	23	18/7	0.693	20AH	2.4	1.1	24.1	608	D
5324.3HT	Flicker/ACSS/TW	477.0	13	18/7	0.776	24AH	2.8	1.3	24.9	630	D
5324.3HT	Hawk/ACSS/TW	477.0	16	18/7	0.789	24AH	2.8	1.3	24.9	630	D
5324.3HT	Hen/ACSS/TW	477.0	23	18/7	0.825	24AH	2.8	1.3	24.9	630	D
5324.3HT	Parakeet/ACSS/TW	556.5	13	18/7	0.835	24AH	2.8	1.3	24.9	630	D
5324.3HT	Dove/ACSS/TW	556.5	16	20/7	0.852	24AH	2.8	1.3	24.9	630	D
5324.3HT	Calumet/ACSS/TW	565.3	16	18/7	0.858	24AH	2.8	1.3	24.9	630	D
5324.3HT	Mohawk/ACSS/TW	571.7	13	18/7	0.846	24AH	2.8	1.3	24.9	630	D
5327.3HT	Rook/ACSS/TW	636.0	13	19/7	0.890	27AH	3.9	1.8	27.1	685	D
5327.3HT	Grosbeak/ACSS/TW	636.0	16	20/7	0.908	27AH	3.9	1.8	27.1	685	D
5327.3HT	Scoter/ACSS/TW	636.0	23	18/7	0.953	27AH	3.9	1.8	27.1	685	D
5327.3HT	Oswego/ACSS/TW	664.8	16	20/7	0.927	27AH	3.9	1.8	27.1	685	D
5327.3HT	Mystic/ACSS/TW	666.6	13	20/7	0.913	27AH	3.9	1.8	27.1	685	D
5330.3HT	Wabash/ACSS/TW	762.8	16	20/7	0.990	30AH	4.8	2.2	27.3	690	D
5330.3HT	Maumee/ACSS/TW	768.2	13	20/7	0.977	30AH	4.8	2.2	27.3	690	D
5330.3HT	Tern/ACSS/TW	795.0	7	17/7	0.960	30AH	4.8	2.2	27.3	690	D
5330.3HT	Puffin/ACSS/TW	795.0	10	18/7	0.980	30AH	4.8	2.2	27.3	690	D
5330.3HT	Condor/ACSS/TW	795.0	13	20/7	0.993	30AH	4.8	2.2	27.3	690	D
5330.3HT	Drake/ACSS/TW	795.0	16	20/7	1.010	30AH	4.8	2.2	27.3	690	D
5330.3HT	Canary/ACSS/TW	900.0	13	30/7	1.080	30AH	4.8	2.2	27.3	690	D
5330.3HT	Fraser/ACSS/TW	946.7	10	35/7	1.077	30AH	4.8	2.2	27.3	690	D
5330.3HT	Phoenix/ACSS/TW	954.0	5	30/7	1.044	30AH	4.8	2.2	27.3	690	D
5330.3HT	Rail/ACSS/TW	954.0	7	32/7	1.061	30AH	4.8	2.2	27.3	690	D
5330.3HT	Cardinal/ACSS/TW	954.0	13	20/7	1.084	30AH	4.8	2.2	27.3	690	D
5330.3HT	Kettle/ACSS/TW	957.2	7	32/7	1.060	30AH	4.8	2.2	27.3	690	D
5330.3HT	Suwannee/ACSS/TW	959.6	16	22/7	1.108	30AH	4.8	2.2	27.3	690	D
5330.3HT	Columbia/ACSS/TW	966.2	13	21/7	1.092	30AH	4.8	2.2	27.3	690	D
5334.3HT	Snowbird/ACSS/TW	1033.5	5	30/7	1.089	34AH	6.3	2.9	28.7	725	D
5334.3HT	Ortolan/ACSS/TW	1033.5	7	32/7	1.102	34AH	6.3	2.9	28.7	725	D
5334.3HT	Curlew/ACSS/TW	1033.5	13	22/7	1.128	34AH	6.3	2.9	28.7	725	D
5334.3HT	----------	1080.0	7	20/7	1.131	34AH	6.3	2.9	28.7	725	D
5334.3HT	Avocet/ACSS/TW	1113.0	5	30/7	1.129	34AH	6.3	2.9	28.7	725	D
5334.3HT	Bluejay/ACSS/TW	1113.0	7	33/7	1.143	34AH	6.3	2.9	28.7	725	D
5334.3HT	Finch/ACSS/TW	1113.0	13	38/19	1.185	34AH	6.3	2.9	28.7	725	D
5334.3HT	Genesee/ACSS/TW	1158.0	7	33/7	1.165	34AH	6.3	2.9	28.7	725	D
5334.3HT	Hudson/ACSS/TW	1158.4	13	26/7	1.196	34AH	6.3	2.9	28.7	725	D
5334.3HT	Cheyenne/ACSS/TW	1168.1	5	30/7	1.155	34AH	6.3	2.9	28.7	725	D
5334.3HT	Oxbird/ACSS/TW	1192.5	5	30/7	1.167	34AH	6.3	2.9	28.7	725	D
5334.3HT	Bunting/ACSS/TW	1192.5	7	33/7	1.181	34AH	6.3	2.9	28.7	725	D
5336.3HT	Grackle/ACSS/TW	1192.5	13	38/19	1.225	36AH	6.5	3.0	29.6	748	D
5334.3HT	Yukon/ACSS/TW	1233.6	13	38/19	1.245	34AH	6.3	2.9	28.7	725	D
5334.3HT	Nelson/ACSS/TW	1257.1	7	35/7	1.213	34AH	6.3	2.9	28.7	725	D

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HiTemp Tee Tap—Open Run for ACSS/TW Conductor, 5300HT Series (cont.)

Catalog Number	Conductor					Die Size	Weight		Total Length L		Pad Size
	Code Name	Size	Type	Stranding	Diameter						
		kcmil		Al/St	in		lbs	kg	in	mm	
5336.3HT	Scissortail/ACSS/TW	1272.0	5	30/7	1.202	36AH	6.5	3.0	29.6	748	D
5334.3HT	Catawba/ACSS/TW	1272.0	5	30/7	1.203	34AH	6.3	2.9	28.7	725	D
5336.3HT	Bittern/ACSS/TW	1272.0	7	35/7	1.220	36AH	6.5	3.0	29.6	748	D
5336.3HT	Pheasant/ACSS/TW	1272.0	13	39/19	1.264	36AH	6.5	3.0	29.6	748	D
5336.34HT	Thames/ACSS/TW	1334.6	13	39/19	1.290	36AH	6.5	3.0	29.6	748	D
5336.3HT	Dipper/ACSS/TW	1351.5	7	35/7	1.256	36AH	6.5	3.0	29.6	748	D
5338.3HT	Martin/ACSS/TW	1351.5	13	39/19	1.300	38AH	7.3	3.3	30.1	762	D
5336.3HT	Mackenzie/ACSS/TW	1359.7	7	36/7	1.259	36AH	6.5	3.0	29.6	748	D
5334.3HT	Truckee/ACSS/TW	1372.5	5	30/7	1.248	34AH	6.3	2.9	28.7	725	D
5338.3HT	Bobolink/ACSS/TW	1431.0	7	36/7	1.291	38AH	7.3	3.3	30.1	762	D
5338.3HT	Plover/ACSS/TW	1431.0	13	37/19	1.337	38AH	7.3	3.3	30.1	762	D
5338.3HT	Merrimack/ACSS/TW	1433.6	13	39/19	1.340	38AH	7.3	3.3	31.1	787	D
5338.3HT	Miramichi/ACSS/TW	1455.3	7	36/7	1.302	38AH	7.3	3.3	31.1	787	D
5338.3HT	St. Croix/ACSS/TW	1467.8	5	33/7	1.292	38AH	7.3	3.3	31.1	787	D
5338.3HT	Rio Grande/ACSS/TW	1533.3	13	39/19	1.382	38AH	7.3	3.3	31.1	787	D
5338.3HT	Potomac/ACSS/TW	1557.4	7	36/7	1.345	38AH	7.3	3.3	31.1	787	D
5338.3HT	Platte/ACSS/TW	1569.0	5	33/7	1.334	38AH	7.3	3.3	31.1	787	D
5340.3HT	Lapwing/ACSS/TW	1590.0	7	36/7	1.358	40AH	8.4	3.8	30.7	776	E
5340.3HT	Falcon/ACSS/TW	1590.0	13	42/19	1.408	40AH	8.4	3.8	30.7	776	E
5340.3HT	Pecos/ACSS/TW	1622.0	13	39/19	1.424	40AH	8.4	3.8	30.7	776	E
5340.3HT	Schuylkill/ACSS/TW	1657.4	7	36/7	1.386	40AH	8.4	3.8	30.7	776	E
5342.3HT	James/ACSS/TW	1730.6	13	34/19	1.470	42AH	10.4	4.7	31.6	800	E
5340.3HT	Pee Dee/ACSS/TW	1758.6	7	37/7	1.427	40AH	8.4	3.8	30.7	776	E
5342.3HT	Chukar/ACSS/TW	1780.0	8	37/19	1.445	42AH	10.4	4.7	31.6	800	E
5342.3HT	Cumberland/ACSS/TW	1926.9	13	42/19	1.545	42AH	10.4	4.7	31.6	800	E
5342.3HT	Athabaska/ACSS/TW	1949.6	7	42/7	1.504	42AH	10.4	4.7	31.6	800	E
5344.3HT	Powder/ACSS/TW	2153.8	8	64/19	1.602	44AH	11.9	5.4	33.6	849	E
5344.3HT	Bluebird/ACSS/TW	2156.0	8	64/19	1.608	44AH	11.9	5.4	33.6	849	E
5348.3HT	Santee/ACSS/TW	2627.3	8	64/19	1.762	48AH	13.4	6.1	35.0	885	E

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Transmission Conductor Vibration Dampers, Stockbridge Type—1700 Series



The AFL Stockbridge Damper is the most efficient way to extend the life of a transmission line. It is designed to eliminate the damage caused by aeolian vibration.

What is Aeolian Vibration?

Aeolian vibration is a high frequency motion that can occur when a smooth, steady crosswind blows on aerial cables. This laminar wind creates vortices, which are detached at regular intervals on the leeward side, alternating from top and bottom of the cable. The detachments create vertical forces causing the cable to vibrate standing waves generally in high harmonic modes. The primary factors effecting aeolian vibration are span length, tension and impedance. The amount of energy imparted to a cable varies directly with the span length. With increasing tension, the tendency of a cable to vibrate rises rapidly as its self dampening ability reduces. Impedance is determined by the mechanical and material properties of the cable.

The first aeolian vibration fatigue failures of stranded conductor were reported in 1917. George Stockbridge of Southern California Edison first developed dampers in 1928. During this same timeframe, an outdoor test span and indoor laboratory was erected for the study of vibration. These expanded facilities, along with more than 70 years of research and experience, have assisted AFL in understanding the theory of vibration and its control. Aeolian vibration still occurs and causes damage to conductors, hardware and towers. AFL Stockbridge Dampers dissipates this damaging force of nature.

Features

Wide Vibration and Voltage Coverage

The AFL Stockbridge Damper has two natural frequency modes. These modes are commonly known as 'flying' and 'wiggling'. AFL uses a specially designed 19 strand messenger wire allowing the damper to dissipate vibration, or 'wake up', at lower energy inputs. These two modes combined with the 19 strand messenger wire give AFL's Stockbridge Damper the widest range of vibration coverage in the industry. Damper assemblies with catalog weights of 1706 and larger can be used at 345 kV and above.

Pressed Clamp and Weights

AFL Stockbridge Damper clamp and weights are pressed onto the messenger wire, as opposed to being cast or welded. The pressing operation does not alter the physical or mechanical characteristics of the messenger wire. Casting or welding anneals the messenger, compromising its performance.

No Special Tools Needed with Breakaway Bolt Option

With the breakaway bolt, no special tools or torque wrench is needed. Simply tighten the bolt until the head shears off. This means proper torque has been achieved.

Proven Performance Year After Year

Comparative testing was conducted in 1993 at a private test site using AFL Stockbridge Dampers and those of two competitors. In this particular test, AFL dampers offered 40+ years of protection against fatigue, while the competitions' dampers failed between 7 and 14 years.

Dampers for T2 Conductors

AFL has developed a special clamp insert that allows the damper to be firmly secured to a T2 conductor. See page 394 for an illustration of the damper and the attachment. Please contact our engineering department for applications involving T2 Conductor.

High Temperature Application

The standard Stockbridge Damper is designed for 250ºC high temperature applications without the need for Armor Rods.

Vibrec® Damper Recommendation Program

The Vibrec damper recommendation program assists in damper requirements for transmission and distribution lines.
For more information visit www.Vibrec.com or contact the AFL Technical Support Team at 1.800.866.7385.

Vibration Recommendation Form can be found on page 467.

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Transmission Conductor Vibration Dampers Stockbridge Type—1700 Series (cont.)

Table 1: Weight Selection

WEIGHT CATALOG NUMBER	BARE CONDUCTOR DIAMETER RANGE		WEIGHT [2] STEEL	
	IN	MM	LBS	KG
1701 [1]	0.270 - 0.430	6.9 - 10.9	2.6	1.18
1702 [1]	0.431 - 0.630	11.0 - 16.0	5.5	2.49
1703	0.361 - 0.570	9.2 - 14.4	2.9	1.32
1704	0.571 - 0.770	14.5 - 19.5	6.5	2.95
1705	0.771 - 0.970	19.6 - 24.6	9.9	4.49
1706 [3]	0.971 - 1.210	24.7 - 30.7	13.3	6.03
1707 [3]	1.211 - 1.382	30.8 - 35.1	19.7	8.94
1708 [3]	1.383 - 1.825	35.2 - 46.4	28.8	13.06

Table 2: Clamp Selection

CLAMP CATALOG NUMBER	OVERALL DIAMETER RANGE AT POINT OF INSTALLATION		CLAMP BOLT DIA [4]	WEIGHT [2] ALUMINUM	
	IN	MM		LBS	KG
-2	0.270 - 0.360	6.9 - 9.1	7/16	0.3	0.15
-3	0.361 - 0.460	9.2 - 11.6	7/16	0.3	0.15
-4	0.461 - 0.570	11.7 - 14.4	7/16	0.3	0.15
-5	0.571 - 0.675	14.5 - 17.1	7/16	0.4	0.16
-6	0.676 - 0.780	17.2 - 19.8	7/16	0.4	0.15
-7	0.771 - 0.870	19.6 - 22.1	1/2	0.6	0.26
-8	0.871 - 0.970	22.2 - 24.6	1/2	0.6	0.26
-9 [3]	0.971 - 1.090	24.7 - 27.6	1/2	1.1	0.50
-10 [3]	1.091 - 1.210	27.7 - 30.7	1/2	1.1	0.50
-11 [3]	1.211 - 1.330	30.8 - 33.7	1/2	1.1	0.50
-13 [3]	1.331 - 1.486	33.8 - 37.7	5/8	1.6	0.73
-14 [3]	1.487 - 1.643	37.8 - 41.7	5/8	1.5	0.68
-15 [3]	1.644 - 1.780	41.8 - 45.2	5/8	1.5	0.68
-16 [3]	1.781 - 1.960	45.3 - 49.7	5/8	2.2	1.00
-17 [3]	1.961 - 2.157	49.8 - 54.7	5/8	2.2	1.00
-18 [3]	2.158 - 2.375	54.8 - 60.3	5/8	2.4	1.09
-19 [3]	2.376 - 2.614	60.4 - 66.4	5/8	2.4	1.09

Notes:

1. Steel weight shown in Table 1 includes both damper weights and other steel parts used. For complete weight of damper assembly, add partial weights shown in Tables 1 and 2.
2. Damper assemblies with 1706, 1707, or 1708 weight catalog numbers and -9 clamp catalog numbers or larger can be used at 345 kV and above.
3. Regular aluminum hexagon head bolts are standard on assemblies that have 1705 weights and smaller. Assemblies having 1706 weights and larger have special Corona hexagon head bolts.
4. For conductor sizes not covered in the table, consult AFL Technical Support Team at 1.800.866.7385.
5. Installation Instructions for vibration dampers, see page 417.

Ordering Instructions

Step 1: Determine Conductor Diameter

All damper ordering is based on the diameter of the conductor being used.

Step 2: Select Weight Catalog Number

Use Table 1 to select the correct weight catalog number based on the diameter of the bare conductor being used.

Step 3: Select Clamp Catalog Number

Before selecting a Clamp, ask one question: "Does this application use armor rods?"

If yes, select the correct clamp catalog number from Table 2 based on the total diameter of the conductor and the armor rods.

If no, select the correct clamp catalog number from Table 2 based on the diameter of the bare conductor being used.

Step 4: Select Bolts

For breakaway bolts, use 'BA'. For standard bolts, leave blank.

Note: Breakaway bolts may not be corona free at voltages 345 kV and above.

Step 5: Create Catalog Number

Weight Catalog Number + **Clamp Catalog Number** + **Bolts**

Example:

Without Armor Rods

Conductor Diameter: 1.108" (28.1 mm)
Weight Size from Table 1: 1706
Clamp Size from table 2: -10
Bolts: Breakaway
Catalog Number: 1706-10BA

With Armor Rods

Conductor Diameter: 1.108" (28.1 mm)
Weight Size from Table 1: 1706
Diameter of Conductor and Armor Rods: 1.728" (43.9 mm)
Clamp Size from table 2: -15
Bolts: Standard
Catalog Number: 1706-15

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HiTemp Speed-Grip® Spacers for Two Bundle Conductors



The trend toward higher transmission voltages and load currents has brought many changes in line construction. High temperature spacers are necessary on horizontal bundle construction to prevent damage from wake-induced oscillation, ice unloading and short circuit clashing. AFL's HiTemp Speed-Grip Spacer employs elastomer bushed clamps to firmly grip the conductor while eliminating possible fatigue breaks of the fully annealed aluminum strand. It is specially designed to allow rapid installation without special tools.

What is wake-induced oscillation?

Wake-Induced Oscillation is a swinging motion, like a pendulum, that is caused when wind blows across a bundle of conductors. As the conductors move back and forth, there is a potential of the conductors to touch, thus causing significant damage. AFL has been researching oscillation to understand it and has developed improved accessories to control it.

Features

High Temperature Applications

AFL has designed a special clamp insert to withstand the elevated temperatures of high temperature conductors. Two units are currently available for 200°C and 250°C. The 200°C unit is designated by adding the suffix "MT" to the part number. (i.e. 3326MT). Please contact our engineering department for performance data on these two units.

Fully Assembled

The HiTemp Speed-Grip Spacer is ready for immediate installation. The bushings are seated, frames interlocked and the wedge-lock bolt in place.

Quick Installation

With no loose parts, whether from a helicopter, spacer cart or bucket, the HiTemp Speed-Grip spacer takes seconds to install.

No Special Tools

With the wedge-lock breakaway bolt, no special tool or torque wrench is needed. Simply tighten the bolt until the head shears off, indicating proper torque has been achieved.

Customized Design

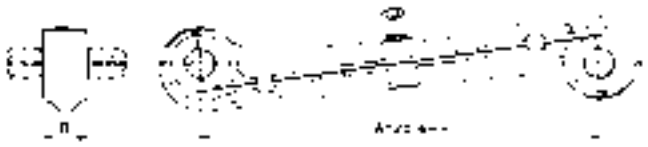
The HiTemp Speed-Grip spacer is designed with a standard 18 inch spacing. For applications requiring other spacing dimensions, contact the AFL Technical Support Team.

Vibrec® Damper & Spacer Recommendation Program

The Vibrec damper recommendation program assists in HiTemp Speed-Grip Spacer requirements for transmission lines.
For more information contact the AFL at 1.800.866.7385.

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HiTemp Speed-Grip® Spacers for Two Bundle Conductors—3300HT Series (cont.)



The 3300HT Series Speed-Grip™ Spacers are specially designed for ACSS and ACSS/TW conductors. The product comes fully assembled with no loose parts. The wedge lock break-away bolt requires no special tools to tighten. Unless otherwise requested, standard spacing is 18 inches.

Ordering Information

Speed-Grip Spacers are ordered by catalog number corresponding to the conductor diameter.

Example:

For 795 Drake ACSS Conductor operating at 250°C, the Speed-Grip Spacer catalog number would be:

3310HT

Notes:

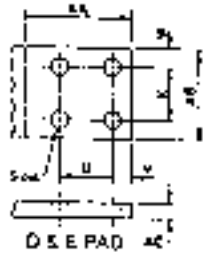
1. For installation instructions for speed-grip spacers, see page 421.
2. For conductor diameters, see pages 380-383.

CATALOG NUMBER	CONDUCTOR DIAMETER RANGE		DIMENSIONS				BOLT DIAM-ETER	WEIGHT				MAXIMUM VOLTAGE
			A		B			ALUMINUM		TOTAL		
	IN	MM	IN	MM	IN	MM	IN	LBS	KG	LBS	KG	KV
3306XX	0.976 - 1.000	24.8 - 25.4	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3307XX	1.001 - 1.030	25.5 - 26.1	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3308XX	1.031 - 1.051	26.2 - 26.6	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3309XX	1.052 - 1.079	26.7 - 27.4	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3310XX	1.080 - 1.110	27.5 - 28.1	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3311XX	1.111 - 1.131	28.2 - 28.7	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3312XX	1.140 - 1.170	29.0 - 29.7	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3313XX	1.171 - 1.200	29.8 - 30.4	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3314XX	1.201 - 1.220	30.5 - 30.9	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3316XX	1.241 - 1.257	31.5 - 31.9	18.0	457	2.0	51	5/8	3.7	1.68	4.1	1.86	345
3317XX	1.258 - 1.289	32.0 - 32.7	18.0	457	2.0	51	5/8	3.7	1.68	4.1	1.86	345
3318XX	1.290 - 1.320	32.8 - 33.5	18.0	457	2.0	51	5/8	3.7	1.68	4.1	1.86	345
3319XX	1.321 - 1.345	33.6 - 34.1	18.0	457	2.0	51	5/8	3.7	1.68	4.1	1.86	345
3321XX	1.380 - 1.405	35.1 - 35.6	18.0	457	2.0	51	3/4	3.7	1.68	4.2	1.91	345
3322XX	1.406 - 1.431	35.7 - 36.3	18.0	457	2.0	51	3/4	3.7	1.68	4.2	1.91	345
3323XX	1.432 - 1.460	36.4 - 37.0	18.0	457	2.0	51	3/4	3.7	1.68	4.2	1.91	345
3324XX	1.461 - 1.490	37.1 - 37.8	18.0	457	2.0	51	3/4	3.7	1.68	4.2	1.91	345
3325XX	1.491 - 1.520	37.9 - 38.6	18.0	457	2.0	51	3/4	3.7	1.68	4.2	1.91	345
3326XX	1.521 - 1.550	38.7 - 39.3	18.0	457	2.0	51	3/4	3.7	1.68	4.2	1.91	345
3327XX	1.551 - 1.580	39.4 - 40.1	18.0	457	2.0	51	3/4	3.7	1.68	4.2	1.91	345
3328XX	1.581 - 1.611	40.2 - 40.9	18.0	457	2.0	51	3/4	3.7	1.68	4.2	1.91	345
3329XX	1.612 - 1.640	41.0 - 41.6	18.0	457	2.0	51	3/4	3.7	1.68	4.2	1.91	345
3330XX	1.602 - 1.640	40.7 - 41.6	18.0	457	2.2	56	3/4	4.2	1.91	5.2	2.36	500
3331XX	1.641 - 1.680	41.7 - 42.6	18.0	457	2.2	56	3/4	4.2	1.91	5.2	2.36	500
3332XX	1.681 - 1.720	42.7 - 43.6	18.0	457	2.2	56	3/4	4.2	1.91	5.2	2.36	500
3333XX	1.721 - 1.750	43.7 - 44.4	18.0	457	2.2	56	3/4	4.2	1.91	5.2	2.36	500
3334XX	1.751 - 1.790	44.5 - 45.4	18.0	457	2.2	56	3/4	4.2	1.91	5.2	2.36	500
3335XX	1.791 - 1.830	45.5 - 46.4	18.0	457	2.2	56	3/4	4.2	1.91	5.2	2.36	500
3336XX	1.831 - 1.860	46.5 - 47.2	18.0	457	2.2	56	3/4	4.2	1.91	5.2	2.36	500
3337XX	1.861 - 1.890	47.3 - 48.0	18.0	457	2.2	56	3/4	4.2	1.91	5.2	2.36	500
3338XX	1.891 - 1.920	48.1 - 48.7	18.0	457	2.2	56	3/4	4.2	1.91	5.2	2.36	500

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NEMA Standard Pad Sizes

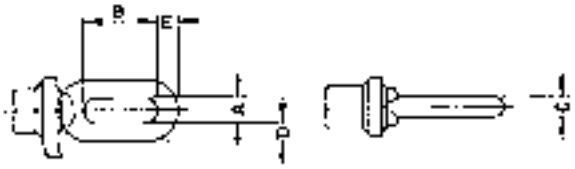
PAD SIZE	DIMENSIONS												
	S		U		V		W		X		AA		AB
	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
D	.56	14	1.75	44	.62	16	.62	16	1.75	44	3.50	89	3.00
E	.56	14	1.75	44	1.12	29	1.12	29	1.75	44	4.50	114	4.00



Pad Width (AB) and Thickness (AC) for Dead Ends, Terminals and Tee Taps

CATALOG SERIES	5300HT & 5700HT				5100HT, 5600HT & 5800HT				8100HT & 8200HT			
DIE SIZE	AB		AC		AB		AC		AB		AC	
	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
20	3.00	76	.62	16	3.00	76	.50	13	3.00	76	.50	13
24	3.00	76	.62	16	3.00	76	.50	13	3.00	76	.50	13
27	3.00	76	.62	16	3.00	76	.59	16	3.00	76	.62	16
30	3.00	76	.62	16	3.00	76	.59	16	3.00	76	.62	16
34	3.00	76	.62	16	3.00	76	.59	16	3.00	76	.62	16
36	3.00	76	.62	16	3.00	76	.59	16	3.00	76	.62	16
38	3.00	76	.62	16	3.00	76	.62	16	3.00	76	.62	16
40	4.00	76	.62	16	4.00	76	.62	16	4.00	102	.75	19
42	4.00	102	.75	19	4.00	102	.66	19	4.00	102	.75	19
44	4.00	102	.75	19	4.00	102	.72	19	4.00	102	.75	19
48	4.00	102	.75	19	4.00	102	.81	19	4.00	102	.75	19

Steel Eye Dimensions



EYE CATALOG NUMBER	DIMENSIONS									
	A		B		C		D		E	
	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
91xx.xxx	0.88	22	2.50	64	.62	16	.62	16	.69	18
92xx.xxx	0.88	22	2.50	64	.69	1 8	.62	16	.81	21
93xx.xxx	1.25	32	2.69	68	.75	19	.69	18	.88	22
94xx.xxx	1.25	32	2.69	68	.75	19	.69	18	.94	24
E95xx.xxx	1.25	32	2.62	67	.78	20	.78	20	.91	23
E96xx.xxx	1.25	32	2.62	67	.88	22	.88	22	1.00	25
E97xx.xxx	1.25	32	2.62	67	1.00	25	1.00	25	1.12	28
E98xx.xxx	1.31	33	2.62	67	1.00	25	.97	25	1.25	32

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HiTemp AFL Filler Compound Requirements For ACSS and ACSS/TW Conductors

A filler port and plug are provided on the dead ends and joints for ACSS and ACSS/TW conductors. The chart below shows the recommended approximate amount of HiTemp AFL Filler Compound (AFCHT) required for each accessory.
AFCHT is available in various packages and sizes. It can be ordered in one-pound tubes with nozzle for a standard caulking gun or it can be ordered in bulk for use in pressure guns. For recommendations about compounds, contact AFL at 1.800.866.7385.

DIE SIZE	CATALOG SERIES									
	5000HT		5100HT 5600HT 5800HT		5300HT 5500HT		8000HT		8100HT 8200HT	
	LBS	G	LBS	G	LBS	G	LBS	G	LBS	G
20	0.1	45	0.1	45	0.1	45	0.3	136	0.2	91
24	0.1	45	0.1	45	0.1	45	0.4	181	0.3	136
27	0.2	91	0.2	91	0.2	91	0.5	227	0.4	181
30	0.4	91	0.2	91	0.2	91	0.6	272	0.5	227
34	0.3	136	0.2	91	0.3	136	0.8	363	0.7	318
36	0.4	181	0.3	136	0.4	181	1.0	454	0.9	408
38	0.4	181	0.3	136	0.4	181	1.2	544	1.0	454
40	0.5	227	0.4	181	0.5	227	1.4	635	1.2	544
42	0.6	272	0.4	181	0.6	272	1.5	680	1.3	590
44	0.7	318	0.5	227	0.7	318	1.6	726	1.4	635
48	0.8	363	0.6	272	0.8	363	1.8	816	1.6	726

Notes:

1. The amount of compound shown in the table above is for the purpose of estimating the amount of compound necessary for a construction project. The tabulated weights of filler compound shown in the above tables for the Catalog 5100HT, 5600HT and 5800HT terminals does not include sufficient quantity to fill the cavity area at the transition of the barrel. If the terminal is installed with the barrel in the upright position, it is imperative that an additional quantity of compound be used to fill the cavity area.
2. 5500HT amounts do not include compound for the tap. Add amount required for the 5100HT Series Terminal Connector of the same die size.

Bolt Sizes and Recommended Torque

15° TERMINAL SIZE	BOLT SIZE	RECOMMENDED TORQUE	
		LBF-FT	N-M
5120HT, 5124HT, 5127HT	1/2"-13UNC x 2.00"	25	34
5130HT1	1/2"-13UNC x 2.00"	25	34
5134HT1, 5136HT1, 5138HT1	1/2"-13UNC x 2.25"	25	34
5140HT1, 5142HT1, 5144HT1, 5148HT1	1/2"-13UNC x 2.50"	25	34

Note:
Corona head bolts furnished with these sizes.

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Conductor Information for ACSS Conductors

CODE NAME	SIZE	STRANDING	DIAMETER (IN)				WEIGHT PER 1000 FT	RATED STRENGTH	RESISTANCE OHMS/1000 FT		AMPACITY @ 200° C	SAG10® CHART NUMBER
			INDIVIDUAL WIRES		STEEL CORE	COMPLETE CABLE						
	KCMIL	AL/ST	AL	ST			LBS	LBS	DC @ 20°C	AC @ 75°C	AMPS	
Partridge/ACSS	266.8	26/7	0.101	0.079	0.236	0.642	366.8	8,880	0.062	0.076	812	3-945
Junco/ACSS	266.8	30/7	0.094	0.094	0.283	0.660	417.4	11,700	0.062	0.076	822	3-947
Ostrich/ACSS	300.0	26/7	0.107	0.084	0.251	0.680	412.4	10,000	0.055	0.068	877	3-945
Linnet/ACSS	336.4	26/7	0.114	0.089	0.265	0.720	462.5	11,200	0.049	0.060	945	3-945
Oriole/ACSS	336.4	30/7	0.106	0.106	0.318	0.741	526.3	14,800	0.049	0.060	957	3-947
Brant/ACSS	397.5	24/7	0.129	0.086	0.257	0.772	511.4	11,000	0.042	0.051	1,047	3-944
Ibis/ACSS	397.5	26/7	0.124	0.096	0.289	0.783	546.5	13,000	0.042	0.051	1,054	3-945
Lark/ACSS	397.5	30/7	0.115	0.115	0.345	0.806	621.9	17,500	0.041	0.051	1,068	3-947
Flicker/ACSS	477.0	24/7	0.141	0.094	0.282	0.846	613.6	13,000	0.035	0.043	1,180	3-944
Hawk/ACSS	477.0	26/7	0.135	0.105	0.316	0.858	655.8	15,600	0.035	0.043	1,188	3-945
Hen/ACSS	477.0	30/7	0.126	0.126	0.378	0.883	746.3	21,000	0.034	0.042	1,204	3-947
Parakeet/ACSS	556.5	24/7	0.152	0.102	0.305	0.914	715.9	15,200	0.030	0.037	1,306	3-944
Dove/ACSS	556.5	26/7	0.146	0.114	0.341	0.927	765.1	18,200	0.030	0.037	1,315	3-945
Eagle/ACSS	556.5	30/7	0.136	0.136	0.409	0.953	870.6	24,500	0.030	0.036	1,331	3-947
Peacock/ACSS	605.0	24/7	0.159	0.106	0.318	0.953	778.3	16,500	0.027	0.034	1,379	3-944
Squab/ACSS	605.0	26/7	0.153	0.119	0.356	0.966	831.8	19,700	0.027	0.034	1,389	3-945
Wood Duck/ACSS	605.0	30/7	0.142	0.142	0.426	0.994	946.5	26,100	0.027	0.033	1,407	3-947
Teal/ACSS	605.0	30/19	0.142	0.085	0.426	0.994	938.6	26,600	0.027	0.034	1,406	3-955
Rook/ACSS	636.0	24/7	0.163	0.109	0.326	0.977	818.2	17,300	0.026	0.032	1,425	3-944
Grosbeak/ACSS	636.0	26/7	0.156	0.122	0.365	0.991	874.4	20,700	0.026	0.032	1,435	3-945
Scoter/ACSS	636.0	30/7	0.146	0.146	0.437	1.019	995.0	27,400	0.026	0.032	1,454	3-947
Egret/ACSS	636.0	30/19	0.146	0.087	0.437	1.019	986.8	28,000	0.026	0.032	1,453	3-955
Flamingo/ACSS	666.6	24/7	0.167	0.111	0.333	1.000	857.6	18,200	0.025	0.031	1,470	3-944
Gannet/ACSS	666.6	26/7	0.160	0.125	0.374	1.014	916.4	21,700	0.025	0.031	1,480	3-945
Stilt/ACSS	715.5	24/7	0.173	0.115	0.345	1.036	920.5	19,500	0.023	0.029	1,540	3-944
Starling/ACSS	715.5	26/7	0.166	0.129	0.387	1.051	983.7	23,300	0.023	0.029	1,550	3-945
Redwing/ACSS	715.5	30/19	0.154	0.093	0.463	1.081	1110.1	30,800	0.023	0.028	1,570	3-955
Cuckoo/ACSS	795.0	24/7	0.182	0.121	0.364	1.092	1022.7	21,700	0.021	0.026	1,650	3-944
Drake/ACSS	795.0	26/7	0.175	0.136	0.408	1.107	1093.0	25,900	0.021	0.026	1,662	3-945
Macaw/ACSS	795.0	42/7	0.138	0.076	0.229	1.055	857.5	11,800	0.021	0.026	1,621	3-949
Tern/ACSS	795.0	45/7	0.133	0.089	0.266	1.063	894.9	14,200	0.021	0.026	1,618	3-951
Condor/ACSS	795.0	54/7	0.121	0.121	0.364	1.092	1022.7	16,600	0.021	0.027	1,618	3-954
Mallard/ACSS	795.0	30/19	0.163	0.098	0.488	1.139	1233.4	34,300	0.021	0.026	1,683	3-955
Ruddy/ACSS	900.0	45/7	0.141	0.094	0.283	1.131	1013.1	15,800	0.019	0.023	1,755	3-951
Canary/ACSS	900.0	54/7	0.129	0.129	0.387	1.162	1157.8	24,600	0.018	0.024	1,756	3-954
Redbird/ACSS	954.0	24/7	0.199	0.133	0.399	1.196	1227.3	26,000	0.017	0.022	1,859	3-944
Rail/ACSS	954.0	45/7	0.146	0.097	0.291	1.165	1073.9	16,700	0.018	0.022	1,824	3-951
Towhee/ACSS	954.0	48/7	0.141	0.110	0.329	1.175	1122.3	19,700	0.018	0.022	1,842	3-953
Cardinal/ACSS	954.0	54/7	0.133	0.133	0.399	1.196	1227.3	26,000	0.017	0.022	1,825	3-954
Canvasback/ACSS	954.0	30/19	0.178	0.107	0.535	1.248	1480.1	41,100	0.017	0.021	1,897	3-955
Snowbird/ACSS	1033.5	42/7	0.157	0.087	0.261	1.203	1114.7	15,400	0.016	0.020	1,924	3-949
Ortolan/ACSS	1033.5	45/7	0.152	0.101	0.303	1.212	1163.4	18,100	0.016	0.020	1,921	3-951
Curlew/ACSS	1033.5	54/7	0.138	0.138	0.415	1.245	1329.6	28,200	0.016	0.021	1,924	3-954
Bluejay/ACSS	1113.0	45/7	0.157	0.105	0.315	1.258	1252.8	19,500	0.015	0.019	2,017	3-951
Finch/ACSS	1113.0	54/19	0.144	0.086	0.431	1.292	1428.9	30,400	0.015	0.019	2,015	3-957
Bunting/ACSS	1192.5	45/7	0.163	0.109	0.326	1.302	1342.4	20,900	0.014	0.018	2,110	3-951

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Conductor Information for ACSS Conductors (cont.)

CODE NAME	SIZE	STRANDING	DIAMETER (IN)				WEIGHT PER 1000 FT	RATED STRENGTH	RESISTANCE OHMS/1000 FT		AMPACITY @ 200° C	SAG10® CHART NUMBER
			INDIVIDUAL WIRES		STEEL CORE	COMPLETE CABLE						
	KCMIL	AL/ST	AL	ST			LBS	LBS	DC @ 20°C	AC @ 75°C	AMPS	
Bittern/ACSS	1272.0	45/7	0.168	0.112	0.336	1.345	1431.9	22,300	0.013	0.017	2,200	3-951
Pheasant/ACSS	1272.0	54/19	0.154	0.092	0.460	1.381	1633.0	34,100	0.013	0.017	2,200	3-957
Dipper/ACSS	1351.0	45/7	0.173	0.116	0.347	1.386	1520.8	23,700	0.012	0.016	2,289	3-951
Martin/ACSS	1351.0	54/19	0.158	0.095	0.475	1.424	1734.5	36,200	0.012	0.016	2,288	3-957
Bobolink/ACSS	1431.0	45/7	0.178	0.119	0.357	1.427	1610.8	25,100	0.012	0.015	2,375	3-951
Plover/ACSS	1431.0	54/19	0.163	0.098	0.488	1.465	1837.2	38,400	0.012	0.015	2,375	3-957
Nuthatch/ACSS	1510.0	45/7	0.183	0.122	0.366	1.465	1699.8	26,500	0.011	0.014	2,459	3-951
Parrot/ACSS	1510.0	54/19	0.167	0.100	0.502	1.505	1938.6	40,500	0.011	0.014	2,460	3-957
Ratite/ACSS	1590.0	42/7	0.195	0.108	0.324	1.492	1715.0	23,400	0.011	0.014	2,543	3-949
Lapwing/ACSS	1590.0	45/7	0.188	0.125	0.376	1.504	1789.8	27,900	0.011	0.014	2,543	3-951
Falcon/ACSS	1590.0	54/19	0.172	0.103	0.515	1.544	2041.4	42,600	0.011	0.014	2,545	3-957
Chukar/ACSS	1780.0	84/19	0.146	0.087	0.437	1.601	2070.8	35,400	0.009	0.012	2,751	3-959
Mockingbird/ACSS	2034.5	72/7	0.168	0.112	0.336	1.681	2159.3	27,200	0.008	0.011	2,960	3-954
Roadrunner/ACSS	2057.0	76/19	0.165	0.077	0.384	1.700	2245.2	31,700	0.008	0.011	2,992	3-959
Bluebird/ACSS	2156.0	84/19	0.160	0.096	0.481	1.762	2508.2	42,100	0.008	0.010	3,106	3-959
Kiwi/ACSS	2167.0	72/7	0.174	0.116	0.347	1.735	2299.9	29,000	0.008	0.010	3,080	3-954
Thrasher/ACSS	2312.0	76/19	0.174	0.081	0.407	1.802	2523.5	35,600	0.007	0.010	3,218	3-959
Joree/ACSS	2515.0	76/19	0.182	0.085	0.425	1.880	2745.1	38,700	0.007	0.009	3,390	3-959

Notes:

1. Data based on a nominal cable manufactured in accordance with ASTM B 857.
2. Resistance and ampacity based on an aluminum conductivity of 63%, IACS at 20°C, and a steel conductivity of 8% IACS at 20°C.
3. Ampacity based on a 200°C conductor temperature, 25°C ambient temperature, 2 ft/sec. wind, in sun, with emissivity of 0.5 and a coefficient of solar absorption of 0.5, at sea level.
4. Rated strengths based on Class A galvanized steel core wire in accordance with ASTM B 498.

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Conductor Information for ACSS/TW Conductors

CODE NAME	SIZE	TYPE	STRANDING	DIAMETER (IN)		WEIGHT PER 1000 FT	RATED STRENGTH	RESISTANCE OHMS/1000 FT		AMPACITY @ 200° C	SAG10® CHART NUMBER
	KCMIL		AL/ST	STEEL CORE	COMPLETE CABLE	LBS	LBS	DC @ 20°C	AC @ 75°C	AMPS	
Oriole/ACSS/TW	336.4	23	18/7	0.318	0.693	524.9	14,800	0.2565	0.3151	940	3-955
Flicker/ACSS/TW	477.0	13	18/7	0.282	0.776	612.8	13,000	0.1838	0.2255	1151	3-944
Hawk/ACSS/TW	477.0	16	18/7	0.316	0.789	655.0	15,600	0.1825	0.2247	1159	3-945
Hen/ACSS/TW	477.0	23	18/7	0.378	0.825	744.5	21,000	0.1809	0.2225	1181	3-955
Parakeet/ACSS/TW	556.5	13	18/7	0.305	0.835	714.9	15,200	0.1569	0.1935	1271	3-944
Dove/ACSS/TW	556.5	16	20/7	0.341	0.852	764.5	18,200	0.1564	0.1928	1282	3-945
Calumet/ACSS/TW	565.3	16	18/7	0.344	0.858	775.8	18,400	0.1540	0.1898	1295	3-945
Mohawk/ACSS/TW	571.7	13	18/7	0.309	0.846	734.7	15,600	0.1527	0.1884	1294	3-644
Rook/ACSS/TW	636.0	13	19/7	0.326	0.890	816.0	17,300	0.1373	0.1696	1386	3-944
Grosbeak/ACSS/TW	636.0	16	20/7	0.365	0.908	873.5	20,700	0.1369	0.1689	1398	3-945
Scoter/ACSS/TW	636.0	23	18/7	0.437	0.953	992.4	27,400	0.1357	0.1672	1427	3-955
Oswego/ACSS/TW	664.8	16	20/7	0.373	0.927	913.4	21,700	0.1309	0.1617	1439	3-945
Mystic/ACSS/TW	666.6	13	20/7	0.333	0.913	856.3	18,200	0.1310	0.1619	1431	3-944
Wabash/ACSS/TW	762.8	16	20/7	0.399	0.990	1047.0	24,900	0.1141	0.1411	1573	3-945
Maumee/ACSS/TW	768.2	13	20/7	0.359	0.977	987.8	21,000	0.1137	0.1407	1569	3-944
Tern/ACSS/TW	795.0	7	17/7	0.236	0.960	891.0	15,200	0.1105	0.1373	1580	3-951
Puffin/ACSS/TW	795.0	10	18/7	0.332	0.980	974.0	18,900	0.1101	0.1365	1595	3-942
Condor/ACSS/TW	795.0	13	20/7	0.364	0.993	1020.0	21,700	0.1098	0.1361	1604	3-944
Drake/ACSS/TW	795.0	16	20/7	0.408	1.010	1091.0	25,900	0.1095	0.1355	1616	3-945
Canary/ACSS/TW	900.0	13	30/7	0.387	1.080	1159.0	24,600	0.0975	0.1211	1748	3-954
Fraser/ACSS/TW	946.7	10	35/7	0.346	1.077	1142.0	21,100	0.0930	0.1159	1786	3-942
Phoenix/ACSS/TW	954.0	5	30/7	0.251	1.044	1028.0	14,200	0.0927	0.1158	1769	3-949
Rail/ACSS/TW	954.0	7	32/7	0.291	1.061	1074.0	16,700	0.0926	0.1155	1781	3-951
Cardinal/ACSS/TW	954.0	13	20/7	0.399	1.084	1227.0	26,000	0.0915	0.1138	1805	3-954
Kettle/ACSS/TW	957.2	7	32/7	0.292	1.060	1079.0	16,800	0.0923	0.1152	1783	3-951
Suwannee/ACSS/TW	959.6	16	22/7	0.448	1.108	1318.0	30,700	0.0907	0.1127	1827	3-945
Columbia/ACSS/TW	966.2	13	21/7	0.401	1.092	1241.0	26,400	0.0938	0.1124	1821	3-954
Snowbird/ACSS/TW	1033.5	5	30/7	0.261	1.089	1114.0	15,400	0.0856	0.1072	1865	3-949
Ortolan/ACSS/TW	1033.5	7	32/7	0.303	1.102	1163.0	18,100	0.0854	0.1069	1875	3-951
Curlew/ACSS/TW	1033.5	13	22/7	0.415	1.128	1326.0	28,200	0.0845	0.1053	1902	3-954
—	1080.0	7	20/7	0.310	1.131	1211.0	18,900	0.0814	0.1020	1936	3-951
Avocet/ACSS/TW	1113.0	5	30/7	0.271	1.129	1199.0	16,300	0.0794	0.0999	1957	3-949
Bluejay/ACSS/TW	1113.0	7	33/7	0.315	1.143	1253.0	19,500	0.0793	0.0996	1967	3-951
Finch/ACSS/TW	1113.0	13	38/19	0.431	1.185	1427.0	30,400	0.0789	0.0986	1998	3-957
Genesee/ACSS/TW	1158.0	7	33/7	0.323	1.165	1308.0	20,500	0.0762	0.0959	2018	3-951
Hudson/ACSS/TW	1158.4	13	26/7	0.440	1.196	1489.0	31,100	0.0754	0.0943	2050	3-954
Cheyenne/ACSS/TW	1168.1	5	30/7	0.278	1.155	1260.0	17,200	0.0757	0.0954	2018	3-949
Oxbird/ACSS/TW	1192.5	5	30/7	0.281	1.167	1285.0	17,500	0.0741	0.0935	2046	3-949
Bunting/ACSS/TW	1192.5	7	33/7	0.326	1.181	1342.0	20,900	0.0740	0.0932	2056	3-951
Grackle/ACSS/TW	1192.5	13	38/19	0.446	1.225	1529.0	32,600	0.0737	0.0923	2089	3-957
Yukon/ACSS/TW	1233.6	13	38/19	0.445	1.245	1586.0	33,200	0.0712	0.0893	2136	3-954
Nelson/ACSS/TW	1257.1	7	35/7	0.335	1.213	1417.0	22,100	0.0702	0.0887	2127	3-951
Scissortail/ACSS/TW	1272.0	5	30/7	0.290	1.202	1371.0	18,700	0.0695	0.0880	2132	3-949
Catawba/ACSS/TW	1272.0	5	30/7	0.290	1.203	1372.0	18,700	0.0695	0.0880	2132	3-949
Bittern/ACSS/TW	1272.0	7	35/7	0.336	1.220	1432.0	22,300	0.0694	0.0877	2144	3-951

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Conductor Information for ACSS/TW Conductors (cont.)

CODE NAME	SIZE	TYPE	STRANDING	DIAMETER (IN)		WEIGHT PER 1000 FT	RATED STRENGTH	RESISTANCE OHMS/1000 FT		AMPACITY @ 200° C	SAG10® CHART NUMBER
	KCMIL		AL/ST	STEEL CORE	COMPLETE CABLE	LBS	LBS	DC @ 20°C	AC @ 75°C	AMPS	
Pheasant/ACSS/TW	1272.0	13	39/19	0.461	1.264	1630.0	34,100	0.0691	0.0867	2178	3-957
Thames/ACSS/TW	1334.6	13	39/19	0.472	1.290	1713.0	35,800	0.0658	0.0828	2245	3-957
Dipper/ACSS/TW	1351.5	7	35/7	0.347	1.256	1521.0	23,700	0.0653	0.0828	2229	3-951
Martin/ACSS/TW	1351.5	13	39/19	0.475	1.300	1732.0	36,200	0.0650	0.0819	2264	3-957
Mackenzie/ACSS/TW	1359.7	7	36/7	0.348	1.259	1530.0	23,900	0.0649	0.0823	2237	3-951
Truckee/ACSS/TW	1372.5	5	30/7	0.301	1.248	1481.0	20,200	0.0644	0.0819	2238	3-949
Bobolink/ACSS/TW	1431.0	7	36/7	0.357	1.291	1611.0	25,100	0.0617	0.0785	2312	3-951
Plover/ACSS/TW	1431.0	13	37/19	0.489	1.337	1834.0	38,400	0.0614	0.0775	2350	3-957
Merrimack/ACSS/TW	1433.6	13	39/19	0.489	1.340	1840.0	38,400	0.0613	0.0774	2354	3-957
Miramichi/ACSS/TW	1455.3	7	36/7	0.360	1.302	1640.0	25,600	0.0607	0.0773	2338	3-951
St. Croix/ACSS/TW	1467.8	5	33/7	0.312	1.292	1585.0	21,600	0.0602	0.0770	2338	3-949
Rio Grande/ACSS/TW	1533.3	13	39/19	0.506	1.382	1968.0	41,200	0.0573	0.0726	2456	3-957
Potomac/ACSS/TW	1557.4	7	36/7	0.372	1.345	1755.0	27,300	0.0567	0.0726	2441	3-951
Platte/ACSS/TW	1569.0	5	33/7	0.322	1.334	1693.0	23,100	0.0564	0.0724	2439	3-949
Lapwing/ACSS/TW	1590.0	7	36/7	0.376	1.358	1790.0	27,900	0.0555	0.0712	2473	3-951
Falcon/ACSS/TW	1590.0	13	42/19	0.515	1.408	2038.0	42,600	0.0553	0.0702	2515	3-957
Pecos/ACSS/TW	1622.0	13	39/19	0.532	1.424	2107.0	45,000	0.0541	0.0688	2551	3-957
Schuylkill/ACSS/TW	1657.4	7	36/7	0.384	1.386	1868.0	29,100	0.0533	0.0685	2539	3-951
James/ACSS/TW	1730.6	13	34/19	0.538	1.470	2221.0	46,400	0.0508	0.0649	2657	3-944
Pee Dee/ACSS/TW	1758.6	7	37/7	0.396	1.427	1982.0	30,900	0.0502	0.0649	2637	3-951
Chukar/ACSS/TW	1780.0	8	37/19	0.437	1.445	2061.0	35,300	0.0495	0.0639	2670	3-959
Cumberland/ACSS/TW	1926.9	13	42/19	0.567	1.545	2471.0	51,600	0.0564	0.0715	2569	3-957
Athabaska/ACSS/TW	1949.6	7	42/7	0.418	1.504	2199.0	34,300	0.0453	0.0592	2817	3-951
Powder/ACSS/TW	2153.8	8	64/19	0.481	1.602	2498.0	42,100	0.0412	0.0543	3009	3-959
Bluebird/ACSS/TW	2156.0	8	64/19	0.481	1.608	2512.0	42,100	0.0411	0.0543	3014	3-959
Santee/ACSS/TW	2627.3	8	64/19	0.531	1.762	3048.0	51,300	0.0338	0.0459	3403	3-959

Notes:

1. Data based on a nominal cable manufactured in accordance with ASTM B 857.
2. Resistance and ampacity based on an aluminum conductivity of 63%, IACS at 20°C, and a steel conductivity of 8% IACS at 20°C.
3. Ampacity based on a 200°C conductor temperature, 25°C ambient temperature, 2 ft/sec. wind, in sun, with emissivity of 0.5 and a coefficient of solar absorption of 0.5,at sea level.
4. Rated strengths based on Class A galvanized steel core wire in accordance with ASTM B 498.

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Installation Instructions

for AFL Dead End

For Use on Overhead Conductor Types

ACSR, ACSS, ACSS/TW



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Preparation

Prior to making connections, the conductor and accessory bore must be clean.

NOTE: Improper cleaning of conductor strands can result in higher resistance dead ends; this causes the fittings to operate at higher temperatures leading to premature failure.

Clean conductor strands thoroughly by using one of the methods below:

Method 1 – ConductaClean® System (Recommended)
ConductaClean solution cleans ends of overhead conductor prior to assembly and removes oxidation and contaminants from strands.

See information on ConductaClean at AFLglobal.com or call: 800-866-7385 Ref: Transmission tool CCP-SYS_T.

Method 2 – Wire Brush
Clean conductor strands thoroughly with wire brush. Wire brush "New" conductor also.

Check accessory bore for foreign particles, removing if present.

Follow Installation Instructions carefully. Improper installation can result in mechanical failure of the cable system and possible injury to persons handling or in the vicinity of the cable system.



Prior to cutting, wrap tape around the conductor to help maintain the round contour, making it easier to slide the end through the aluminum dead end. File approximately 0.09 inch chamfer on the end of the conductor. (The larger the chamfer, the easier the conductor will slide through).

Straighten several feet of the conductor removing the set caused by the reel.

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Assembly



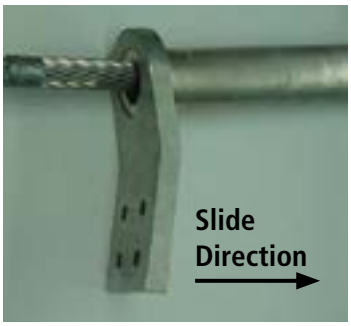
Dead end assemblies consist of an aluminum body and steel eye/"core grip". (Felt washer is included as part of steel eye.)



STEEL EYE/"CORE GRIP"



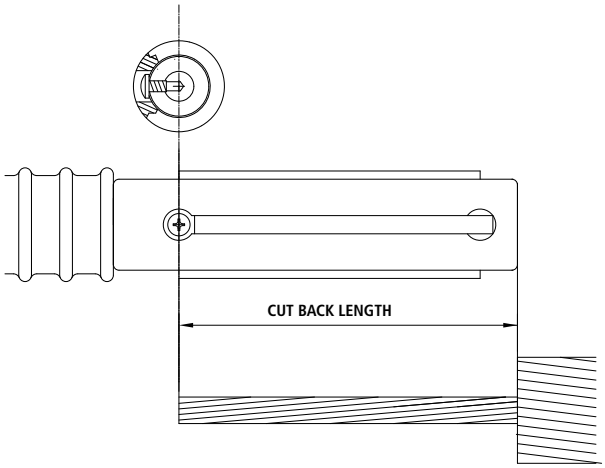
ALUMINUM BODY



Slide aluminum dead end body (barrel first) over the conductor until sufficient working length protrudes from tongue end.

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Cutting Back Aluminum Strands for Installation of Steel Eye/"Core Grip"



NOTE: It is extremely important not to nick the core strands during cutting back of the aluminum strands. If this is done, the ultimate strength of the dead end will be reduced. The cable manufacturer suggests the following method of cutting back the strands.



Suggested Method of Cutting Back Aluminum Strands



1. Tape location where "cutting back" is needed.
2. Position RIGID cable trimmer around conductor at the tape location.
3. Cut outer aluminum strands by rotating tool until layer becomes loose.
4. Remove cut outer aluminum layer strand.
5. Bend inner layer wires back and forth until they fracture.
6. Remove the broken wires.

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Suggested Arrangement of Compressor and Accessory During Field Installation of Dead End

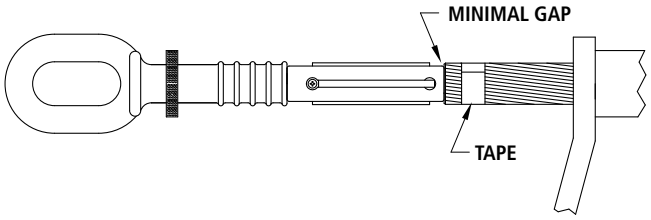
The photo at right illustrates a setup, which works well to ensure a straight compression and easy maneuverability of the compressor. The conductor has been "tied off" to the tower with a sling and chain wench. The compressor is then attached to the sling by a large shackle (The compressor is suspended upside down). The accessory and cable are tied to the sling ensuring all parts are straight and in-line. The compressor can easily be slid along to each successive compression.





File chamfer on end of core to remove burrs and sharp edge. Chamfer will reduce the expanded diameter of the core (due to cutting) and ease the installation of the Steel Eye/"Core Grip".

Assembly



Insert end of conductor into "Core Grip" of Steel Eye. Rotate Eye "back and forth" while pushing Eye onto conductor core.

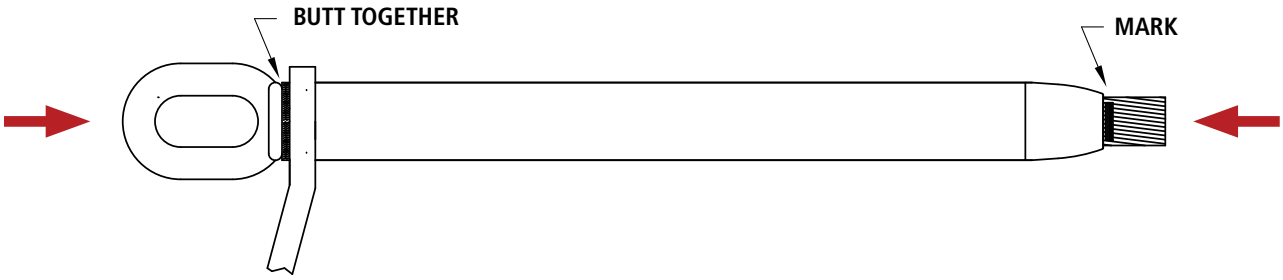


Remove tape from ends of aluminum strands.

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Slide aluminum dead end body over Steel Eye/"Core Grip" until tongue butts solidly against felt washer and shoulder of steel forging.

Push to verify internal parts have remained tight during positioning of aluminum dead end body (See below), then place a mark at the end of barrel.



Align eye or clevis in desired orientation of dead end to ensure proper positioning when dead end is fastened to insulator hardware.

Select die size to compress aluminum dead end body. Die size for aluminum dead end body and die size marked on the die must be the same.

The dead end will bow during compression unless reasonable care is taken to have about 15 ft. (4.5 m) of the conductor supported straight out from the end of the dead end.

NOTE: Filler compound is not required in Dead end due to its void-free internals (See supporting test data available from AFL).

Compressing

Lubricate area to be compressed from "Start" knurl to end of barrel with "Accu-Lube" or similar lubricant, or cover barrel with accessory plastic wrapper.



Verify mark place at end of barrel has remained where originally place. If not, push internals together prior to making first compression (see illustration above).

Make initial compression on the dead end body over the steel shank beginning at the start knurl near the tongue. Continue making compressions overlapping the previous compression by approximately 0.50 inch. Complete die closure is required for each compression. Continue compressing to end of Dead End barrel.

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Compressing (cont.)



Compressed portion of the dead end should have a smooth uniform appearance. Remove flash, if present with file or emery cloth.

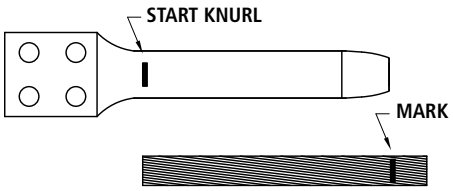
CAUTION: Follow installation instructions carefully. Improper installation can result in mechanical failure of the cable system and possible injury to persons handling or in the vicinity of the cable system.

Installation of Terminal Connector

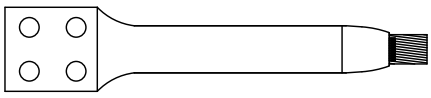


Terminal assemblies consist of Terminal Connector and attachment hardware. The terminal comes prefilled with compound from the factory.

See "Preparation" on page 2 for notes on preparation of conductor.



Mark the conductor from the end, a distance equal to the compression length of the terminal.



Insert conductor into terminal. Be sure the conductors is inserted to the mark on the conductor.

Select die size to compress Terminal Connector. Die size for Terminal Connector and die size marked on the die must be the same.

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Compressing

Lubricate area to be compressed from "Start" knurl to end of barrel with "Accu-Lube" or similar lubricant, or cover barrel with accessory plastic wrapper.



Press the Terminal Connector over the conductor. Make the initial compression at the start knurl. Continue making compressions to the end of the Terminal Connector barrel, overlapping the previous compression by approximately 0.50 inches. Complete die closure is required for each compression.



Compressed portion of the Terminal Connector should have a smooth uniform appearance. Remove flash, if present, with file or emery cloth.

Clean contact surface of Terminal Connector and Dead End pad.

Coat surfaces with AFL Alnox Electrical Joint Compound or AFL HiTemp® Universal Compound and then wire brush through compound. Do not remove coating.

Bolt Terminal Connector to Dead End pad. Partially tighten all bolts and then re-tighten each bolt to recommended torque. Aluminum Bolts: (1/2" bolts – 25 lbf-ft (34 N.m); 5/8" bolts – 40 lbf-ft (54 N.m).

CAUTION: Follow Installation Instructions carefully. Improper installation can result in mechanical failure of the cable system and possible injury to persons handling or in the vicinity of the cable system.

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Installation Instructions

SOLO HD® Compression System

Adjustable Clevis Dead End

for Use on Overhead Conductor Types

ACSR, ACSS, ACSS/TW



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Preparation

Prior to making connections, the conductor and accessory bore must be clean.

NOTE: Improper cleaning of conductor strands can result in higher resistance dead ends; this causes the fittings to operate at higher temperatures leading to premature failure.

Clean conductor strands thoroughly by using one of the methods below:

Method 1 – ConductaClean® System (Recommended)
ConductaClean solution cleans ends of overhead conductor prior to assembly and removes oxidation and contaminants from strands.

See information on ConductaClean at AFLglobal.com or call: 800-866-7385 Ref: Transmission tool CCP-SYS_T.

Method 2 – Wire Brush
Clean conductor strands thoroughly with wire brush. Wire brush "new" conductor also.

Check accessory bore for foreign particles, removing if present.

Follow Installation Instructions carefully. Improper installation can result in mechanical failure of the cable system and possible injury to persons handling or in the vicinity of the cable system.



Prior to cutting, wrap tape around the conductor to help maintain the round contour, making it easier to slide the end through the aluminum dead end. File approximately 0.09 inch chamfer on the end of the conductor. (The larger the chamfer, the easier the conductor will slide through).

Straighten several feet of the conductor removing the set caused by the reel.

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Assembly



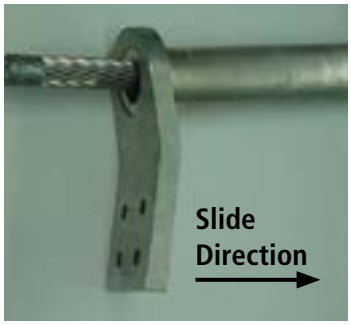
Dead end assemblies consist of an aluminum body and steel adjustable clevis/"core grip". (Felt washer is included as part of clevis assembly.)



STEEL ADJUSTABLE CLEVIS/"CORE GRIP"



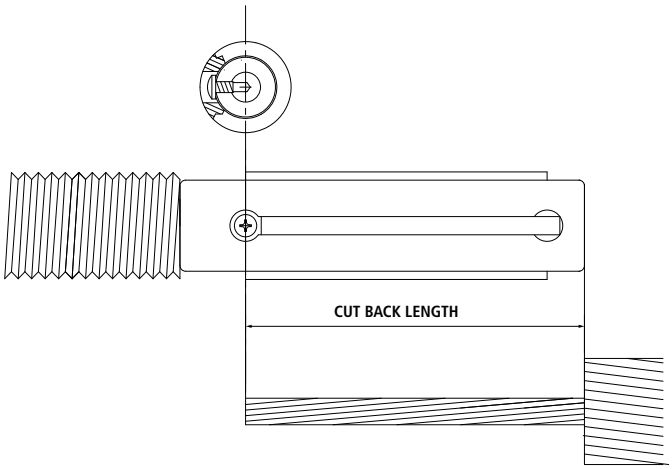
ALUMINUM BODY



Slide aluminum dead end body (barrel first) over the conductor until sufficient working length protrudes from tongue end.

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Cutting Back Aluminum Strands for Installation of Adjustable Clevis/"Core Grip"



NOTE: It is extremely important not to nick the core strands during cutting back of the aluminum strands. If this is done, the ultimate strength of the dead end will be reduced. The cable manufacturer suggests the following method of cutting back the strands.



Suggested Method of Cutting Back Aluminum Strands



1. Tape location where "cutting back" is needed.
2. Position RIGID cable trimmer around conductor at the tape location.
3. Cut outer aluminum strands by rotating tool until layer becomes loose.
4. Remove cut outer aluminum layer strand.
5. Bend inner layer wires back and forth until they fracture.
6. Remove the broken wires.

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Suggested Arrangement of Compressor and Accessory During Field Installation of Dead End

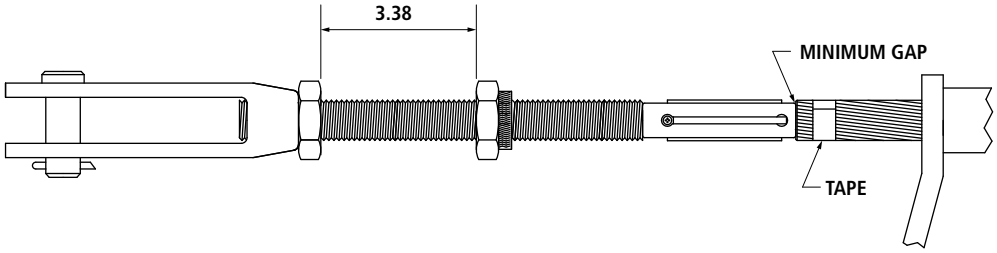
The photo at right illustrates a setup, which works well to ensure a straight compression and easy maneuverability of the compressor. The conductor has been "tied off" to the tower with a sling and chain wench. The compressor is then attached to the sling by a large shackle (The compressor is suspended upside down). The accessory and cable are tied to the sling ensuring all parts are straight and in-line. The compressor can easily be slid along to each successive compression.





File chamfer on end of core and end of aluminum strands to remove burrs and sharp edge. Chamfer will reduce the expanded diameter of the core (due to cutting) and ease the installation of the adjustable clevis/"core grip".

Assembly



Insert end of conductor into "core grip" of clevis assembly. Rotate clevis assembly "back and forth" while pushing it onto conductor core.



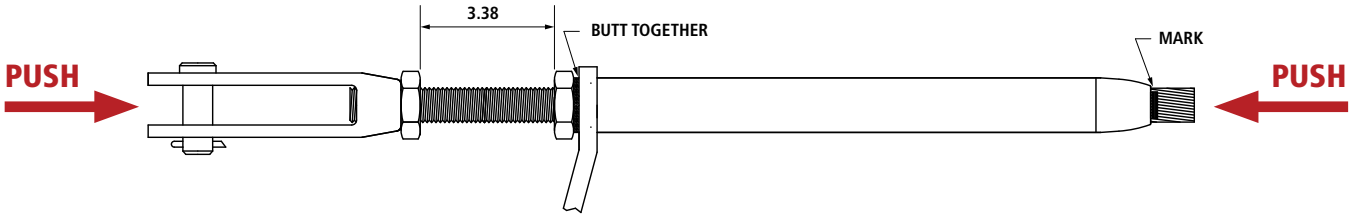
Remove tape from ends of aluminum strands.

Adjust distance between Jam Nuts to 3.38 inches (86 mm) as shown in the illustration above.

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Slide aluminum dead end body over adjustable clevis/"core grip" until tongue butts solidly against felt washer and nut.

Push to verify internal parts have remained tight during positioning of aluminum dead end body (See below), then place a mark at the end of barrel.



Align clevis in desired orientation of dead end to ensure proper positioning when dead end is fastened to insulator hardware. Lock in place with adjacent jam nut.

Select die size to compress aluminum dead end body. Die size for aluminum dead end body and die size marked on the die must be the same.

The dead end will bow during compression unless reasonable care is taken to have about 15 ft. (4.5 m) of the conductor supported straight out from the end of the dead end.

NOTE: Filler compound is not required in dead end due to its void-free internals (See supporting test data available from AFL).

Compressing

Lubricate area to be compressed from "Start" knurl to end of barrel with "Accu-Lube" or similar lubricant, or cover barrel with accessory plastic wrapper.

Verify mark place at end of barrel has remained where originally place. If not, push internals together prior to making first compression (see illustration above).



Make initial compression on the dead end body over the steel threads beginning at the start knurl near the tongue. Continue making compressions overlapping the previous compression by approximately 0.50 inch. Complete die closure is required for each compression. Continue compressing to end of dead end barrel.

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Compressing (cont.)



Compressed portion of the dead end should have a smooth uniform appearance. Remove flash, if present with file or emery cloth.

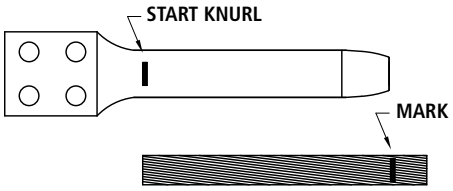
CAUTION: Follow installation instructions carefully. Improper installation can result in mechanical failure of the cable system and possible injury to persons handling or in the vicinity of the cable system.

Installation of Terminal Connector

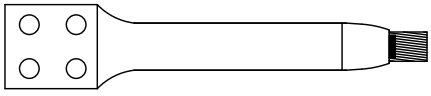


Terminal assemblies consist of Terminal Connector and attachment hardware. The terminal comes prefilled with compound from the factory.

See "Preparation" on page 2 for notes on preparation of conductor.



Mark the conductor from the end, a distance equal to the compression length of the terminal.



Insert conductor into terminal. Be sure the conductors is inserted to the mark on the conductor.

Select die size to compress Terminal Connector. Die size for Terminal Connector and die size marked on the die must be the same.

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Compressing

Lubricate area to be compressed from "Start" knurl to end of barrel with "Accu-Lube" or similar lubricant, or cover barrel with accessory plastic wrapper.



Press the Terminal Connector over the conductor. Make the initial compression at the start knurl. Continue making compressions to the end of the Terminal Connector barrel, overlapping the previous compression by approximately 0.50 inches. Complete die closure is required for each compression.



Compressed portion of the Terminal Connector should have a smooth uniform appearance. Remove flash, if present, with file or emery cloth.

Clean contact surface of Terminal Connector and Dead End pad.

Coat surfaces with AFL Alnox Electrical Joint Compound or AFL HiTemp® Universal Compound and then wire brush through compound. Do not remove coating.

Bolt Terminal Connector to Dead End pad. Partially tighten all bolts and then re-tighten each bolt to recommended torque. Aluminum Bolts: (1/2" bolts – 25 lbf-ft (34 N.m); 5/8" bolts – 40 lbf-ft (54 N.m).

CAUTION: Follow Installation Instructions carefully. Improper installation can result in mechanical failure of the cable system and possible injury to persons handling or in the vicinity of the cable system.

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Installation Instructions for AFL Joint for Use on Overhead Conductor Types ACSR, ACSS, ACSS/TW



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Preparation

Prior to making connections, the conductor and accessory bore must be clean.

NOTE: Improper cleaning of conductor strands can result in higher resistance joints; this causes the fittings to operate at higher temperatures leading to premature failure.

Clean conductor strands thoroughly by using one of the methods below:

Method 1 – ConductaClean® System (Recommended)
ConductaClean solution cleans ends of overhead conductor prior to assembly and removes oxidation and contaminants from strands.

See information on ConductaClean at AFLglobal.com or call: 800-866-7385 Ref: Transmission tool CCP-SYS_T.

Method 2 – Wire Brush
Clean conductor strands thoroughly with wire brush. Wire brush "New" conductor also.

Check accessory bore for foreign particles, removing if present.

Follow Installation Instructions carefully. Improper installation can result in mechanical failure of the cable system and possible injury to persons handling or in the vicinity of the cable system.





Prior to cutting, wrap tape around the conductor to help maintain the round contour, making it easier to slide the end through the aluminum joint. File approximately 0.09 inch chamfer on the end of the conductor. (The larger the chamfer, the easier the conductor will slide through).

Straighten several feet of the conductor removing the set caused by the reel.

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Assembly



Joint consists of an aluminum body and steel sleeve/"core grip" as shown above.



STEEL SLEEVE/"CORE GRIP"



ALUMINUM BODY

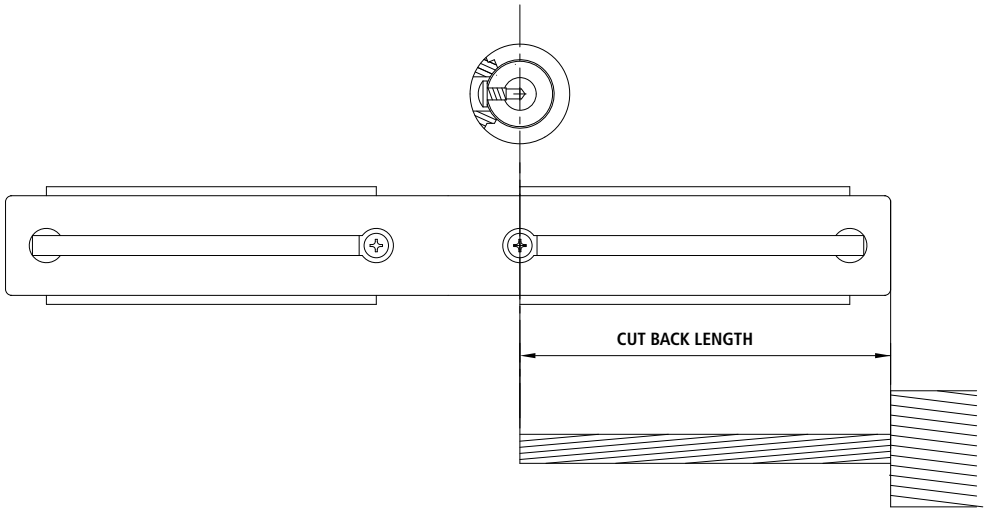
Measure back from each conductor and mark at a distance equal to 1/2 the length of the aluminum body.



Slide aluminum body over the conductor and beyond mark until sufficient working length protrudes from barrel end.

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Cutting Back Aluminum Strands for Installation of Steel Sleeve/"Core Grip"



NOTE: It is extremely important not to nick the core strands during cutting back of the aluminum strands. If this is done, the ultimate strength of the Joint will be reduced. The cable manufacturer suggests the following method of cutting back the strands.



Suggested Method of Cutting Back Aluminum Strands

1. Tape location where "cutting back" is needed
2. Position RIGID cable trimmer around conductor at the tape location
3. Cut outer aluminum strands by rotating tool until layer becomes loose.
4. Remove cut outer aluminum layer strand
5. Bend inner layer wires back and forth until they fracture
6. Remove the broken wires.



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Suggested Arrangement of Compressor and Accessory During Field Installation of Joint

The photos below illustrate setup, which works well to ensure a straight compression and easy maneuverability of the compressor. The photos below show the conductor has been "tied off" (tensioned with slings and chain hoist) to slacken the conductor at point of installation.

Setup 1: The compressor is attached to the sling by a large shackle (the compressor is suspended upside down). The accessory and cable are tied to the sling ensuring all parts are straight and in-line. The compressor can easily be slid along to each successive compression.



Setup 2: The compressor sits on a board, which sits on the rails of the high lift. The board and compressor can be slid along to each successive compression. The accessory and cable must be supported and all parts must be straight and in-line or bowing will occur.

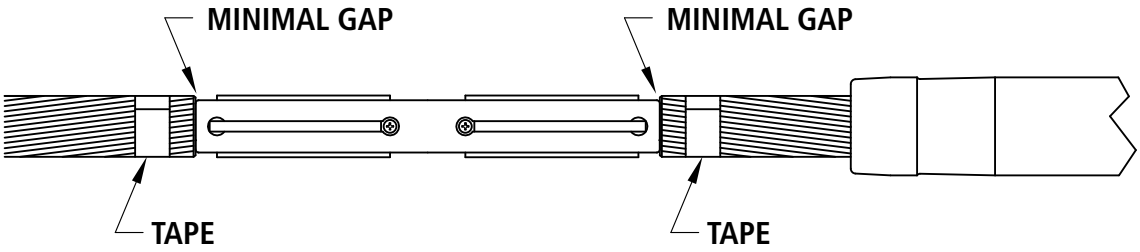


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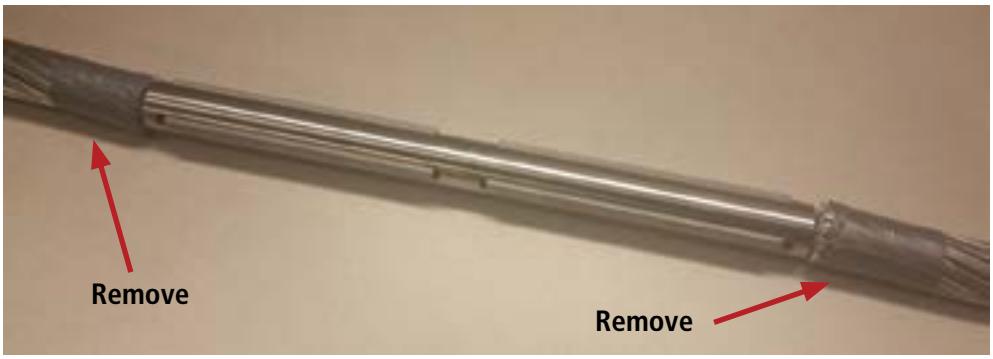


File chamfer on end of core to remove burrs and sharp edge. Chamfer will reduce the expanded diameter of the core (due to cutting) and ease the installation of the Steel Sleeve/"Core Grip".

Assembly

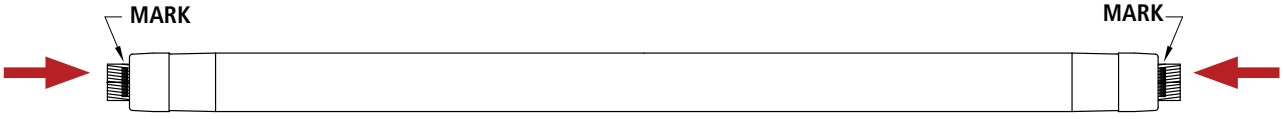


Insert ends of conductor into "Core Grip" ends of steel sleeve. Rotate sleeve "back and forth" while pushing sleeve onto conductor core.



Remove tape from ends of aluminum strands.

Slide aluminum joint body over steel core grip and center within marks.



Push to verify internal parts have remained tight during positioning of aluminum joint body (see above).

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Assembly (cont.)

Select die size to compress aluminum joint body. Die size for aluminum joint body and die size marked on the die must be the same.

The joint will bow during compression unless reasonable care is taken to have about 15 ft. (4.5 m) of the conductor supported straight out from the end of the joint.

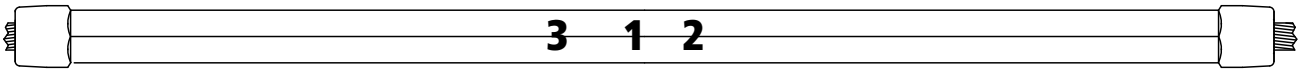
NOTE: Filler compound is not required in the joint due to its void-free internals (see supporting test data available from AFL).

Compressing



Lubricate outside surface of joint with "Accu-Lube" or similar lubricant, or cover barrel with accessory plastic wrapper.

Verify marks placed at end of barrel has remained where originally placed. If not, push internals together prior to making first compression (see illustration on previous page).



Make initial compression over the center portion of the joint (**at 1**).

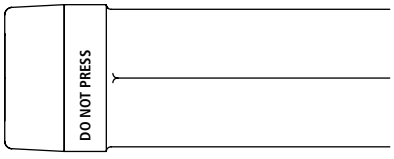
Make the second compression on one end overlapping the initial compression by approximately 0.50 inches (**at 2**) (do not skip bite).

Make the third compression on the opposite end, overlapping the initial compression by 0.50 inches (**at 3**).

Continue making compressions to the end of the joint overlapping the previous compression by approximately 0.50 inch.

NOTE: Do not compress "End Taper." Complete die closure is required for each compression. Go back and complete the compression on the opposite end.

The "End Tapers" are not compressed (note stamped markings on illustration).



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Compressing (cont.)



Compressed portion of the joint should have a smooth uniform appearance. Remove flash, if present with file or emery cloth.

CAUTION: Follow installation instructions carefully. Improper installation can result in mechanical failure of the cable system and possible injury to persons handling or in the vicinity of the cable system.

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Installation Instructions

Standard Compression Dead End for ACSR and ACSS Conductor

CAUTION: ACSR Dead Ends Cannot Be Used on ACSS HT Conductor

1. Mark the conductor a distance of 3/4 the length of the aluminum body (***Figure 1***).
2. Prior to making connection, the outer strands of the conductor must be cleaned with a wire brush or abrasive cloth (***Figure 2***).
3. Prior to any strand cutting, tape the end of the conductor to help maintain the round contour.
4. Slide the aluminum dead end body over conductor until sufficient working length protrudes from tongue end. (***Figure 3***).
5. Cut back aluminum strands equal to the depth of the steel forging barrel plus 1 inch (25.4 mm). Do not nick the steel strands. File burrs, if present. (***Figure 4***). Use of a cable trimming tool is recommended. (***Figure 4a, 4b***).
6. Insert steel core into steel barrel to full length of bore. (***Figure 5***).
7. Using the proper SH die set, compress steel barrel full length making initial compression adjacent to rib closest to barrel. Overlap each successive compression by at least ¼ inch (6.4 mm). Complete die closure is required on all compressions.(***Figure 5a, 5b***).
8. Slide the aluminum body over the steel forging until the tongue end butts solidly against felt washer and shoulder of steel eye. Align eye with tongue to desired orientation for attachment to insulator string. (***Figure 6***).



FIGURE 1: ***Mark the conductor and clean 3/4 the length of the aluminum body.***



FIGURE 2: ***Clean a distance of at least ¾ the distance of the aluminum dead end body.***



FIGURE 3: ***Slide aluminum dead end body over conductor.***



FIGURE 4:



FIGURE 4a:



FIGURE 4b:



FIGURE 5:



FIGURE 5a:



FIGURE 5b:



FIGURE 6:

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Installation Instructions (cont.)

Standard Compression Dead End for ACSR and ACSS Conductor

9. Inject filler compound (AFC or AFCHT for HiTemp®) into filler hole until compound emerges at felt washer and tapered end of aluminum body. (***Figure 6a***).

10. Insert and drive filler plug (cavity up) into hole and peen edge of hole over top surface of plug. (***Figure 7***). Leaving the filler plug in the small plastic bag makes it easier to insert when working with gloves. (***Figure 7a***).

11. Using the proper AH die set, make the initial compression on the aluminum body beginning at the "start" mark nearest the tongue. Overlap each successive compression by at least ¼ inch (6.4 mm). Press only to the "stop" mark. Complete die closure is required for each compression. (***Figure 8***).

    Note: A light oil coating on the die grooves and aluminum sleeve is recommended.

12. To press the dead end body over the conductor, use the same die used in step 11. Begin compressing at the "start" mark about centrally located. Overlap each successive compression by at least ¼ inch (6.4 mm). Press to the end of the body, including the tapered portion. Complete die closure is required on each compression. (***Figure 9***).

    During this compression sequence, the plastic bag in which the dead end assembly was received can be used as a medium between the aluminum body and dies (instead of oil as mentioned in step 11).

13. Compressed portion of dead end body should have a smooth uniform appearance. (***Figure 10***). If die flash is present, remove with a file or emery cloth.

14. Remove any excess filler compound which may have been forced out the end of the dead end body.



FIGURE 6a:



FIGURE 7:



FIGURE 7a:



FIGURE 8:

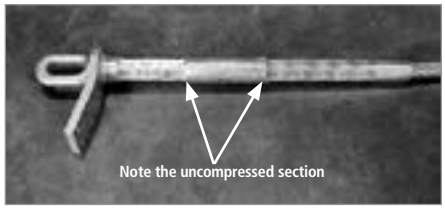


FIGURE 9:



FIGURE 10:

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Installation Instructions

HiTemp Compression Splice for ACSS and ACSS/TW Conductors

1. Mark the conductor a distance of ½ the length of the aluminum sleeve (***Figure 1***).

2. Prior to making connection, the outer strands of the conductor should be cleaned with a wire brush or abrasive cloth (***Figure 2***).

3. Remark each conductor half the length of the aluminum sleeve, if the mark was removed during wire brushing. Prior to any strand cutting, tape the end of each conductor to help maintain the round contour (***Figure 3***).

4. Slide the aluminum sleeve over one conductor until sufficient working length protrudes from end (***Figure 4***).

5. Cut back aluminum strands of both conductors ½ the length of the steel sleeve plus 1 ½ inch (38.1 mm). Do not nick the steel strands. File any burrs, if present (***Figure 5a***). Use of a cable trimming tool is recommended (***Figure 5b***).

6. Insert ends of steel core into steel sleeve making sure the ends butt solidly against center stop (***Figure 6***).

7. Using the proper SH die set, compress steel sleeve full length making initial compression over center of sleeve (Figure 7a), Overlap each successive compression by at least ¼ inch (6.4 mm) (***Figure 7b***). Complete die closure is required on all compressions.



FIGURE 1: Mark the conductor and clean 1/2 the length of the sleeve.



FIGURE 2: Clean the outer strands of the conductor with a wire brush.

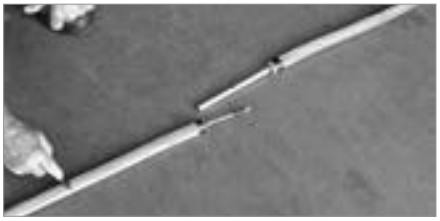


FIGURE 3: Re-mark the conductors after cleaning if needed.



FIGURE 4: Slide sleeve over one conductor so it protrudes out the end.

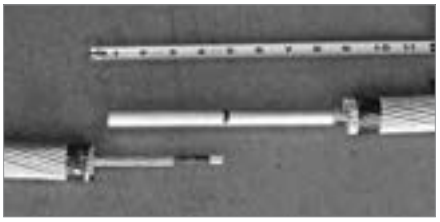




FIGURE 5a: Cut back the Aluminum strands on both conductors 1/2 the length of the Steel sleeve plus 1 1/2 inch (38.1 mm).

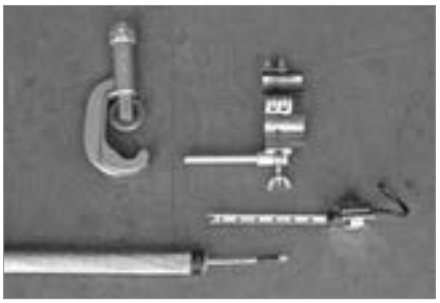


FIGURE 5b: Use of a cable trimming tool is recommended.



FIGURE 6: Slide sleeve over one conductor so it protrudes out the end.



FIGURE 7a: Make the initial compression on center of Steel sleeve.



FIGURE 7b: Overlap each compression on Steel sleeve 1/4 inch (6.4 mm).

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Installation Instructions (cont.)

HiTemp Compression Splice for ACSS and ACSS/TW Conductors

8. Slide the aluminum sleeve over the installed steel sleeve, centering between the two marks that were made in Step 3 (***Figure 8a & 8b***).

9. Inject AFCHT filler compound into filler hole until compound emerges from both ends of aluminum sleeve (***Figure 9***).

10. Insert and drive filler plug (cavity up) into hole and peen edge of hole over top surface of plug. Leaving the filler plug in the small plastic bag makes it easier to insert when working with gloves (***Figure 10a, 10b and 10c***).

11. Using the proper AH die set, make the initial compression at the "start" mark on one side of center (***Figure 11a***). The second compression should be made at the other "start" mark on opposite side of center. Continue making compressions to the end, overlapping each by at least ¼ inch (6.4 mm) (***Figure 11b***). Repeat this on opposite side of joint (***Figure 11c***). Complete die closure is required for each compression.

Note: A light oil coating on the die grooves and aluminum sleeve is recommended.

12. Compressed portion of splice sleeve should have a smooth uniform appearance. If die flash is present, remove with a file or emery cloth (***Figure 12***). Remove any excess filler compound which may have been forced out the ends of the splice.

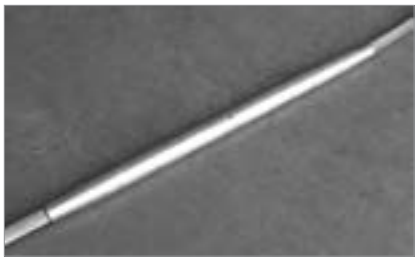


FIGURE 8a: Slide the Aluminum sleeve over the installed Steel sleeve.

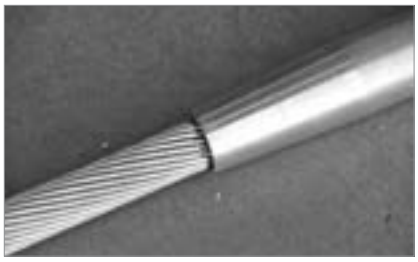


FIGURE 8b: Center the Aluminum sleeve between the marks.



FIGURE 9: Inject AFCHT Filler Compound into the filler hole.



FIGURE 10a: Peen edge of filler hole over top surface of plug.



FIGURE 10b: Filler plug left in plastic bag is easier to insert with gloves.



FIGURE 10c: Peen edge of filler hole over top surface of plug.



FIGURE 11a: Make the initial compression at the "start" mark.



FIGURE 11b: Overlap each compression by 1/4 inch (6.4 mm).



FIGURE 11c: Completed compression splice.



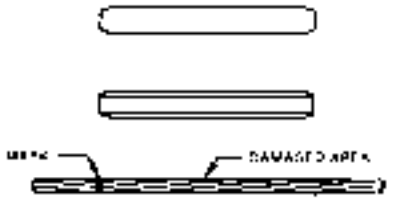
FIGURE 12: If die flash is present, remove with a file or emory cloth.

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Installation Instructions

HiTemp Repair Sleeves for ACSS and ACSS/TW Conductors

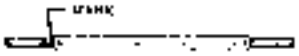
1. Mark the conductor from the damaged area 1/2 the length of the repair sleeve.
2. Compression repair sleeves can be used to restore the electrical and mechanical integrity of a conductor when no more than one-third of the outer aluminum strands are damaged.
3. Select die size for compressing the repair sleeve. The die size on the die and the die size marked on the repair sleeve must be the same.
4. Prior to making connections, the groove of the aluminum accessories and the conductor must be clean. If the conductor is weathered or blackened, clean strands thoroughly with wire brush or abrasive cloth. Check accessory groove for foreign particles, removing if present.
5. Coat the aluminum conductor with HiTemp AFL Filler Compound (AFCHT) over the length to be covered by the repair sleeve.
6. Place the repair sleeve groove on the conductor adjacent to damaged area and slide other half (keeper) in place.





7. Slide repair sleeve assembly over the damaged area, to the mark on the conductor.
8. Make the initial compression over the center portion of the repair sleeve. Make the second compression on one end overlapping the initial compression by 1/4 die bite. Make the third compression on the opposite end, overlapping the initial compression by 1/4 die bite. Continue making compressions to the end of the repair sleeve overlapping the previous compression by 1/4 die bite. Complete die closure is required for each compression. Go back and complete the compression on the opposite encl.
9. The compressed repair sleeve should have a smooth uniform appearance. Remove flash, if present, with file or emery cloth.



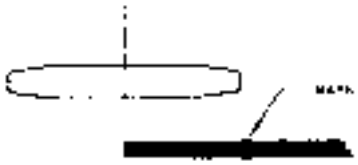


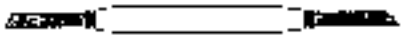
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Installation Instructions

HiTemp Jumper Connectors for ACSS and ACSS/TW Conductors

1. Measure back from each conductor end and mark at a distance equal to 1/2 the length of the aluminum jumper connector.
2. File burrs or sharp edges off the aluminum strands as necessary for ease of insertion.
3. Prior to making connections, the conductor and accessory bores must be clean. If the conductor Is weathered or blackened, carefully unlay aluminum strands for a distance equal to or greater than 1/2 the length of the aluminum jumper connector and clean strands thoroughly with wire brush or abrasive cloth. The outer layer of new conductor should be wire brushed 1/2 the length of the jumper. Check accessory bore for foreign particles, removing if present.
4. Inject HiTemp AFL Filler Compound (AFCHT) into each end of jumper connector and on the conductor to insure that excess compound will be forced from the jumper connector when compressions are completed. Insert the conductor ends into the jumper connector. If the mark on the conductor is not at the end of the jumper connector, and there is resistance to further entry, twist the jumper connector on the conductor. This will work the compound between conductor strands and bleed air from the jumper connector.
5. Select die size for compressing jumper connector. The die size on die and die size marked on aluminum jumper connector must be the same.
6. The jumper connector must be supported a minimum of 15 feet on each side to prevent bowing during compression.
7. Compress jumper connector full length making initial compression over center stop. Overlap each successive compression by approximately 1/4 die bite. Complete die closure is required for each compression.
8. Compressed jumper connector should have a smooth uniform appearance. Remove flash, if present, with file or emery cloth.



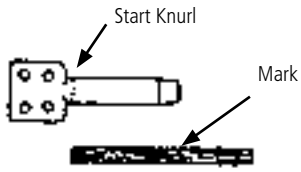




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Installation Instructions for HiTemp® Compression Terminals

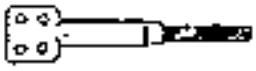
1. Prior to making any connections, the conductor must be clean. For new conductor, the outside diameter shall be wire brushed to remove the aluminum oxidation. If the conductor is weathered or blackened, only the outside diameter can be wire brushed, due to the dead soft aluminum strands of the ACSS or ACSS/TW. Do not try to unlay the strands to clean the inner layers, as the strands will not lay back to its original form. The ConductaClean® ultrasonic cleaning unit is recommended to be used on new and weathered ACSS and ACSS/TW.



2. Mark the conductor from the end, a distance equal to the compression length of the terminal.

HiTemp Compression

3. Inject sufficient AFL HiTemp Filler Compound (AFCHT) or HiTemp® Universal Compound (HiTUC)in the end of the terminal bore and on the conductor to ensure that excess compound will be visible at terminal end when barrel is completely compressed. See chart below for proper amount of AFCHT or HiTUC required for each terminal size.



AFCHT of HiTUC Filler Compound Required

PARTIAL TERMINAL CATALOG NUMBER	LB.	GRAMS (G)
5175.XXXHT, 5675.XXXHT, 5875.XXXHT	0.1	45
5176.XXXHT, 5676.XXXHT, 5876.XXXHT	0.1	45
5120.XXXHT, 5620.XXXHT, 5820.XXXHT	0.1	45
5124.XXXHT, 5624.XXXHT, 5824.XXXHT	0.2	91
5127.XXXHT, 5627.XXXHT, 5827.XXXHT	0.2	91
5130.XXXHT, 5630.XXXHT, 5830.XXXHT	0.3	136
5134.XXXHT, 5634.XXXHT, 5834.XXXHT	0.3	136
5136.XXXHT, 5636.XXXHT, 5836.XXXHT	0.4	181
5138.XXXHT, 5638.XXXHT, 5838.XXXHT	0.4	181
5140.XXXHT, 5640.XXXHT, 5840.XXXHT	0.4	181
5142.XXXHT, 5642.XXXHT, 5842.XXXHT	0.5	227
5144.XXXHT, 5644.XXXHT, 5844.XXXHT	0.5	227
5148.XXXHT, 5648.XXXHT, 5848.XXXHT	0.6	272

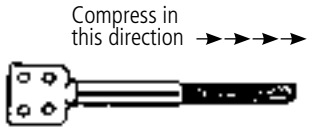
CAUTION: Follow installation instructions carefully. Improper installation can result in mechanical failure of the cable system and possible injury to persons handling or in the vicinity of the cable systems.

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Installation Instructions for HiTemp® Compression Terminals (cont.)

4. To compress, select the proper die size as stamped on the terminal connector.

5. Compress the terminal, beginning at the "start knurl." Continue compressing toward the end of the terminal. Complete die closure is required for each compression. Overlap the previous compression by approximately 1/4 die bite. It is recommended that die grooves be well lubricated with a lightweight oil. Oil coating should be maintained during entire compression operation. (Other acceptable mediums that can be used instead of oil are wax, soap or plastic bag the terminal shipped in.)



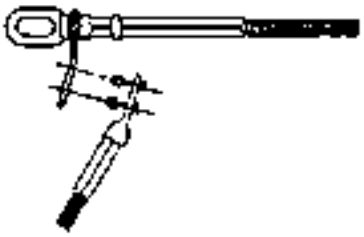
6. Remove flash caused by die closure, if any, with a file.

To Attach Terminal Connector to Dead End or Tee Tap

7. Clean contact surface of pads to be connected by wire brushing thoroughly and immediately coating with a thin film of HiTUC or Alnox. **Do not use AFL Filler Compound (AFC)**.

8. Bolt terminal to dead end pad. Partially tighten all bolts and then re-tighten each bolt to the recommended torque:

   Aluminum 1/2" bolts - 25 lb-ft (34 N.m)
   Stainless Steel 1/2" bolts - 40 lb-ft (54 N.m)



CAUTION: Follow installation instructions carefully. Improper installation can result in mechanical failure of the cable system and possible injury to persons handling or in the vicinity of the cable systems.

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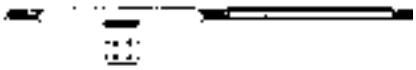
Installation Instructions

HiTemp Open Run Tee Taps and Tee Connectors for ACSS and ACSS/TW Conductors

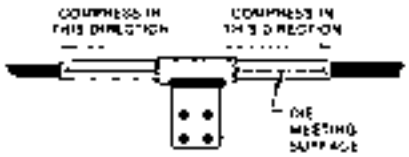
1. Remove the keeper.
2. Select die size for compressing the aluminum run. The die size on the die and die size marked on the aluminum run must be the same.
3. Prior to making connections, the groove of the aluminum accessories and the conductor must be clean. The conductor strands should be thoroughly cleaned with wire brush or abrasive cloth. Check the accessory groove for foreign particles, removing if present.
4. Coat the aluminum conductor with HiTemp AFL Filler Compound (AFCHT) over the length to be covered by the tee tap.



5. Place run groove on conductor and slide the keeper in place.

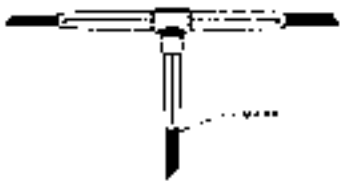


6. Make initial compression on either side of run starting at the 'start knurl'. Make the second compression on the opposite end of the run at the 'start knurl'. Continue making compressions to the end of the tee overlapping the previous compression by approximately 1/4 die bite. Complete die closure is required for each compression. Go back and complete the compression on the opposite end.
7. Compressed portion of tee should have a smooth uniform appearance. Remove flash, if present, with file or emery cloth.



Installation of "tee" with compression branch

8. Install run tee as before per steps 1-7.
9. Select die size for compressing aluminum branch. The die size on die and the die size on the branch must be the same.
10. Insert conductor full depth into branch bore and mark conductor at end of branch. Remove conductor after marking.
11. Inject sufficient HiTemp AFL Filler Compound (AFCHT) in the end of the branch bore and on the conductor to insure that excess compound will be visible at the branch end when completely compressed.
12. Insert cleaned end of the conductor into the branch to the mark on the conductor.
13. Make initial compression starting at the "start knurl." Continue making compressions to mouth of the branch overlapping the previous compression by approximately 1/4 die bite. Complete die closure is required for each compression.
14. Compressed portion of the branch should have a smooth uniform appearance. Remove flash, if present, with file or emery cloth.



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Installation Instructions

Vibration Dampers 1700 Series



GENERAL INFORMATION

AFL vibration dampers are produced with carefully designed and controlled surface finishes for High Voltage use. To maintain this quality, the dampers should be protected, preferably in their shipping containers, from dirt and foreign material prior to installation. Handling in the field should be with care to avoid mechanical damage. AFL Vibration dampers may be installed without disassembly of the clamp parts.

VIBREC® DAMPER RECOMMENDATION PROGRAM

The Vibrec damper recommendation program assists in damper requirements for transmission and distribution lines. For more information contact the AFL Technical Support Team at 1.800.866.7385.

INSTALLATION PROCEDURE

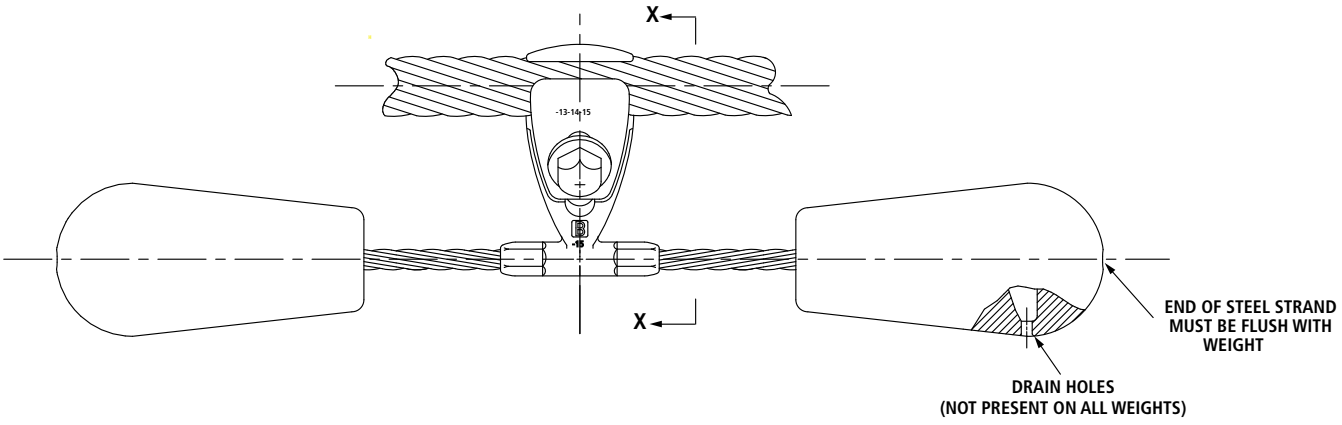
Step 1: (a) Obtain the damper spacing from AFL.
(b) At the tangent tower, the centerline of the damper should be the specified distance from the center of the suspension clamp.
(c) At the dead end location, the centerline of the damper should be the specified distance from the mouth of the dead end. Normally, for a phase conductor, a second damper is required at the dead end location; on a static wire, a second damper is usually not required at the dead end location. The centerline distance between the two dampers should be as specified.

Step 2: Loosen the bolt so that the clamp may be opened sufficiently to permit cable entry into the clamp groove. Note: The bolt need not be removed.

Step 3: Hang the damper on the conductor at the proper spacing specified in Step 1 and tighten the bolt finger tight. For a multi-conductor bundle, the bolt head should be toward the center of the bundle.

Step 4: Tighten the bolt with a torque wrench to the recommended value for the bolt size in the table below. If the bolt has a breakaway outer head, tight the bolt until the breakaway head shears off.

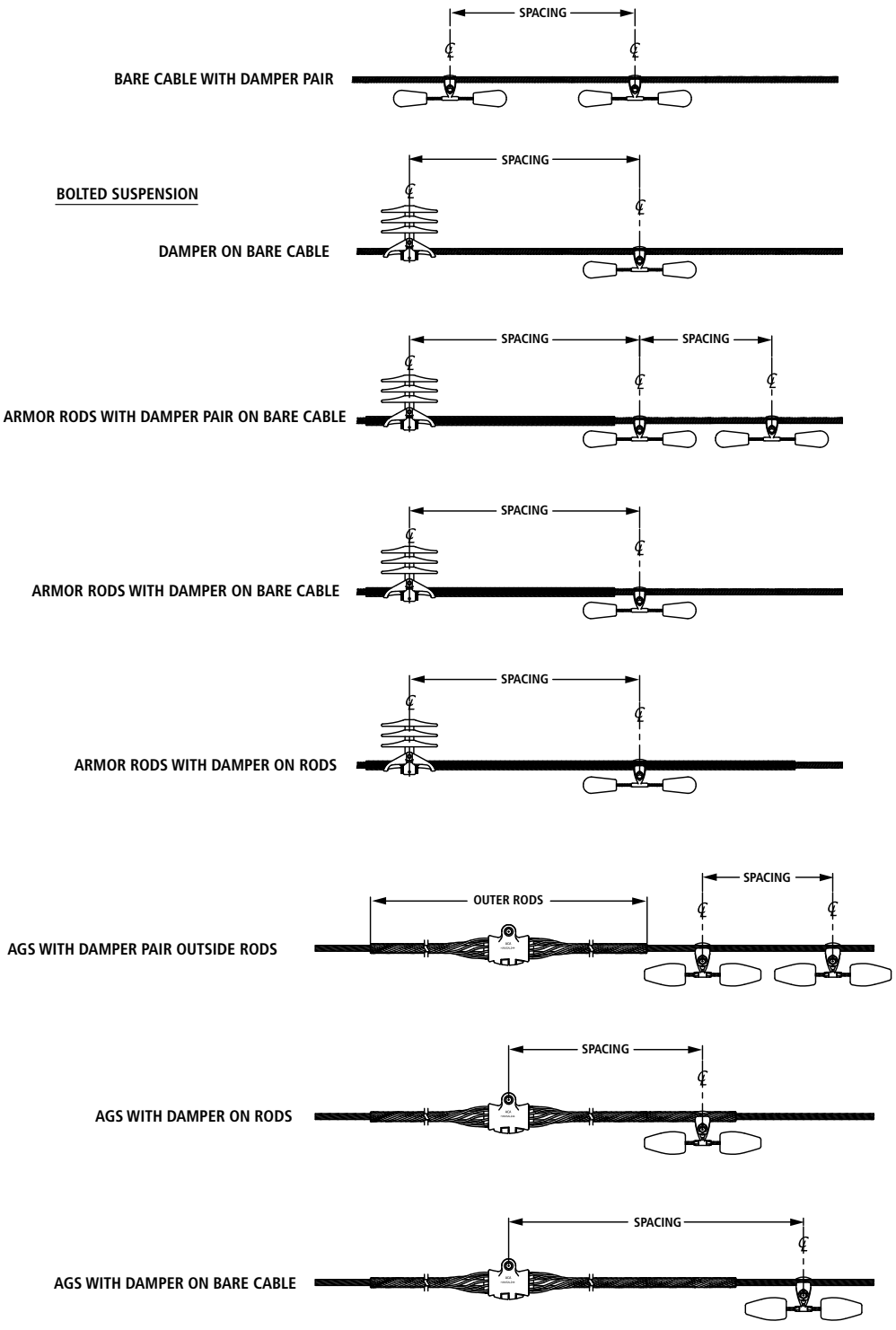
CLAMP ASSEMBLY NUMBER	BOLT DIAMETER Inches	TORQUE lbf. ft (N.m)
2 thru 6	7/16	20 (27)
7 thru 11	1/2	25 (34)
13 thru 20	5/8	40 (54)
21 thru 23	3/4	60 (81)



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Installation Instructions (cont.)

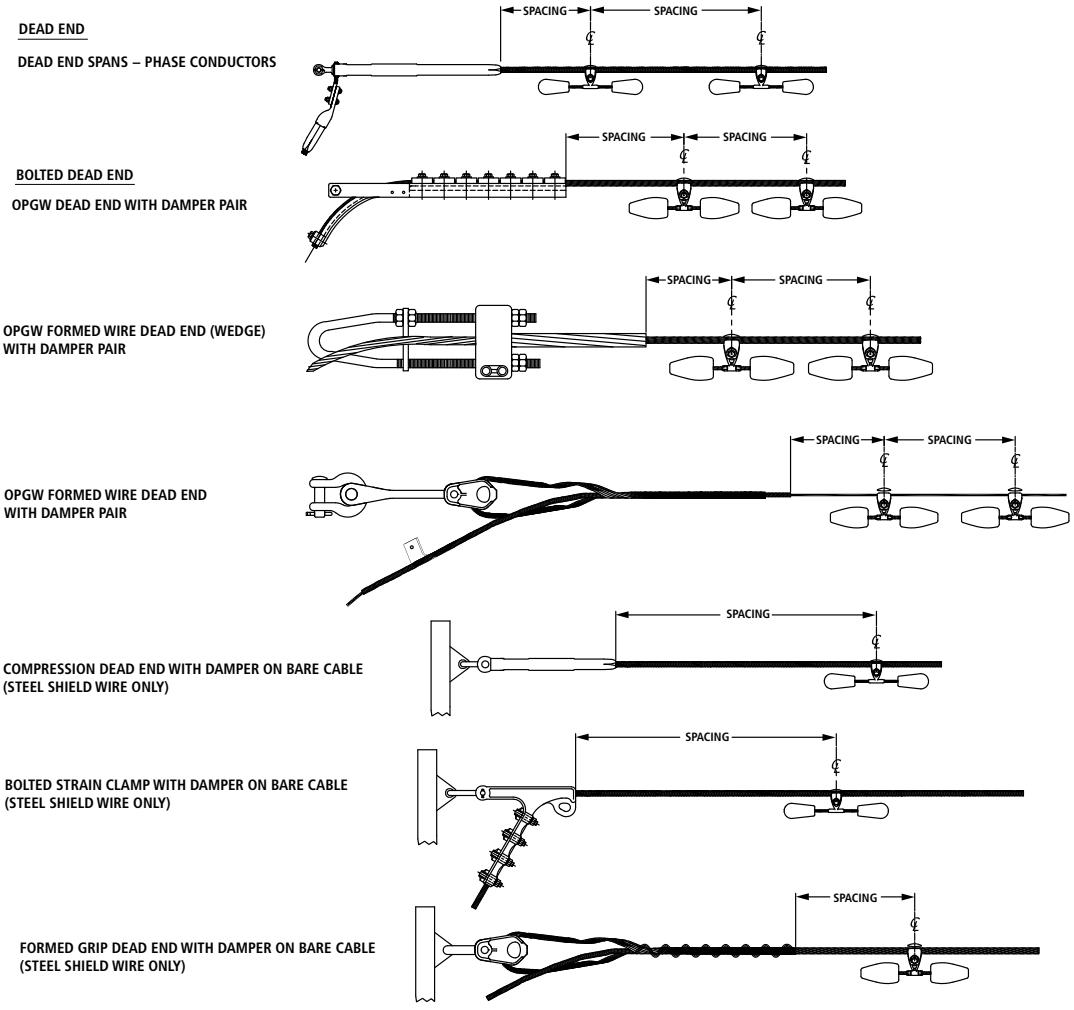
Vibration Dampers 1700 Series



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Installation Instructions (cont.)

Vibration Dampers 1700 Series



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Installation Instructions (cont.)

Vibration Dampers 1700 Series

VIBRATION PROTECTION RECOMMENDATIONS – SPACING NOTES

1. Tangent Spans – Phase Conductor and Overhead Ground Wire (OHGW)
   "Level One Damping" means one damper placement per conductor at one end of the span only. "Two dampers per conductor" means two damper placements (one damper placement at each end of the span).

2. Tangent Spans – Dead End at One End – Phase Conductor
   In spans dead ended at one end only, and requiring only one damper per conductor, the damper should be placed at the tangent structure, spaced in accordance with Dimension A or B. If the span requires three dampers per conductor, then one damper should be placed at the tangent structure, spaced in accordance with Dimension A or B, and two dampers should be placed at the deadended structure, spaced in accordance with Dimensions C and D. Normally, two dampers are recommended at conductor dead ends with insulator strings, as it is impossible to accurately predict the location of vibration node points relative to the conductor dead end. With just one damper at a dead end, the damper could, under certain wind conditions, be at a node point. The effectiveness of two dampers, spaced as recommended, assures that at least one of the two dampers will be effective at all times.

3. Tangent Spans – Dead Ended at One End – Overhead Ground Wire
   In spans deadended at one end only, and requiring only one damper per wire, the damper should be placed at the tangent structure, spaced in accordance with Dimension A or B. If the span requires two dampers per wire, then one damper should be placed at the tangent structure, in accordance with Dimension A or B, and one damper should be placed at the dead end, spaced in accordance with Dimension C.

4. Spans Dead Ended at Both Ends – Phase Conductor
   "Two dampers per conductor" means two dampers at one end of the span only, spaced in accordance with Dimensions C and D. "Four dampers per conductor" means two dampers at each end of the span, spaced in accordance with Dimensions C and D. Normally, two dampers are recommended at conductor dead ends with insulator strings, as it is impossible to accurately predict the location of vibration node points relative to the conductor dead end. With just one damper at a dead end, the damper could, under certain wind conditions, be at a node point. The effectiveness of a damper on a node is significantly reduced. The use of two dampers, spaced as recommended, assures that at least one of the two dampers will be effective at all times.

5. Spans Dead Ended at Both Ends – Overhead Ground Wire
   "One damper per conductor" means one damper at one end of the span, spaced in accordance with Dimension C. "Two dampers per conductor" means one damper located at each end of the span, spaced in accordance with Dimension C.

6. Spans Dead Ended at Both Ends, or Tangent Spans of Dead Ended at One End, For OHGW Utilizing a Formed Guy Grip Dead End
   We do not recommend the installation of damper clamps over formed-guy-grip type dead ends. Therefore, where vibration protection is required for spans using the formed type dead ends, two dampers will be required at each dead end location, with the first damper spaced at the end of the rods and the second damper located in accordance with Dimension D.

7. Dampers Over Armor Rods
   Dampers with the clamps placed over armor rods are not as effective as dampers with the clamp placed directly on the conductor. Therefore, if armor rods are used, the rods should be short enough as to permit installation of the damper clamp over the bare conductor, using the recommended Dimension B spacing. The Dimension B is used whenever armor rods, line guards or AGS units are specified. In the event the rod lengths are too long to permit installation directly on the conductor, the damper clamp must be selected to fit over the installed rods.

8. Selective Damping
   The ability of a damper to protect a given span may be hindered by vibration in adjacent undamped spans even though the vibration in the undamped spans is not at a damaging level for the undamped span. Therefore, damping of adjacent spans is suggested at times. For simplicity, the Vibrec™ program recommends that spans adjacent to a span requiring dampers also be damped. AFL will, however, approve omission of dampers in spans shorter than the level zero limit when the adjacent damped spans are less than 50% of the one-damper limit.

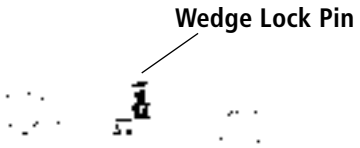
9. If there are any questions with respect to the damper recommendations or placement, contact your local representative.

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Installation Instructions

Speed-Grip® Spacers

1. Prior to installation, slide open the spacer assembly giving a clamp opening of approximately 1½ times the conductor diameter. Finger-tighten the wedge-lock pin enough to hold the spacer assembly in the open position.



2. Position spacer assembly between the two conductors, so that it is perpendicular to the conductors.



3. Rotate the spacer assembly until the conductors rest in the open clamps.



4. Loosen the wedge-lock pin and slide the spacer assembly closed. Finger-tighten the wedge-lock pin to engage the pin with lower spacer half lock hole.



5. Using a 12" (30 cm) ratchet wrench with a 6-point deep socket, tighten the wedge-lock pin until breakaway head shears off.



6. Make final visual inspection to ensure that the spacer is properly seated on the conductor, shear head is missing and the wedge-lock pin head is free of burrs.

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Index

1700 374
33000HT for ACSS 330
3300HT 376
33100HT for ACSS 324
33300HT for ACSS 327
420000HT for ACSS/TW 354
440000HT for ACSS/TW 348
480000HT for ACSS/TW 351
5000HT for ACSS 334
5000HT for ACSS/TW 358
5100HT for ACSS 338
5100HT for ACSS/TW 362
5200HT for ACSS 332
5200HT for ACSS/TW 356
5300HT for ACSS 345
5300HT for ACSS/TW 370
5500HT for ACSS 342
5500HT for ACSS/TW 367
5600HT for ACSS 336
5600HT for ACSS/TW 360
5800HT for ACSS 340
5800HT for ACSS/TW 336
Hardware Information . . . . . See Reference Material—Bolt Size
Compound Usage Amounts . . . . . See Reference Material—HiTemp Filler Compound Requirements
Compression Joints
- Solo HD® ACSR, ACSS, full tension 294
- Solo HD® ACSS/TW 313
- Solo HD® Replacement Joint for ACSR & ACSS Conductors 297
- ACSS 330
- ACSS/TW 354

Conductor Information, ACSS 380
Conductor Information, ACSS/TW 382
Dampers
- Stockbridge Type Vibration 374
- Speed-Grip® Damper 376

Dead Ends, Compression
- Single Tongue
  - Solo HD® ACSR, ACSS, Eye & Clevis Type 285
  - Solo HD® Replacement Dead End for ACSR & ACSS Conductors 291
  - Solo HD® Replacement Dead End, ACSS/TW & ACSR/TW Conductors . . 311
  - Solo HD® ACSR, ACSS, Adjustable Clevis Type 299
  - ACSS 324
  - ACSS/TW 348
- Double Tongue
  - Solo HD® ACSR, ACSS, Eye & Clevis Type 308
  - Solo HD® ACSR, ACSS, Adjustable Clevis Type 302
  - ACSS 327
  - ACSS/TW 351

Installation Instructions
- Compression Joints 400
- Dead Ends 384, 392, 408
- Jumper Connectors 413
- Repair Sleeves 412
- Speed-Grip® Spacers 421
- Tee Connectors, Open Run 416
- Tee Taps, Open Run 416
- Terminals 414
- Vibration Dampers 417

Jumper Connectors
- ACSS 334
- ACSS/TW 358

Jumpers . . . . . See Terminals
Pad Dimensions . . . . . See Reference Material—NEMA Standard Pad Sizes

continued

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Index (cont.)

Quick Reference Charts
ACSS 280
ACSS/TW 282
Reference Material
Bolt Sizes and Recommended Torque 379
Conductor Information for ACSS Conductor 380
Conductor Information for ACSS/TW Conductor 382
HiTemp Filler Compound Requirements 379
NEMA Standard Pad Sizes 378
Pad Width and Thickness 378
Steel Eye Dimensions 378
Repair Sleeves
ACSS 332
ACSS/TW 356
Sleeves . . . . . See Compression Joints or Jumper Connectors
Speed-Grip® Spacers 376
Torque Requirements . . . . . See Reference Material — Bolt Sizes and Recommended Torque
Tee Connectors, Open Run
ACSS 342
ACSS/TW 367
Tee Taps, Open Run
ACSS 345
ACSS/TW 370
Terminals, Compression
15°
ACSS 338
ACSS/TW 362
90°
ACSS 340
ACSS/TW 364
Straight
ACSS 336
ACSS/TW 360

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Table of Contents

Motion Control Pictorial Index 426
Dissipator High-Efficiency Stockbridge Damper—1700AA Series 427
Vibration Dampers for Aluminum Type Conductor (ACSR, ACSR-TW, ACSS, ACSS-TW, AAC, AAAC, ACAR) 429
Vibration Dampers for Galvanized Steel or Alumoweld® Strand 430
Dissipator High-Efficiency Stockbridge Damper
ACSR Conductor Information 431
AAC Conductor Information 433
AAAC and ACAR Conductor Information 434
ACSS HiTemp® Conductor Information 435
ACSS/TW HiTemp® Conductor Information 437
Guy Wire Vibration Dampers Stockbridge Type—2200 Series 439
Highway Truss Vibration Dampers 441
Spacer Dampers with Elastomer Bushed Clamps—280000 Series 442
Speed-Grip® Spacers—3300 Series 444
Spring-Type Conductor Spacers—1790 and 1800 Series 446

Motion Control Reference Material

Conductor Information for ACSR Conductor 447
Conductor Information for AAC Conductor 449
Conductor Information for AAAC Conductor 451
Conductor Information for ACAR Conductor 452

Motion Control Installation Instructions

1700-T2 Vibration Dampers 453
Vibration Dampers, 1700, 1700AA Series 455
Spacer Dampers, Bolted Type 459
T2 Speed-Grip® Spacers 460
Speed-Grip® Spacers 462
Spring-Type Spacers 463

Request for Vibration Information for Line/Stockbridge Dampers 464
Average Annual Minimum Temperature in U.S. Map 465
Motion Control Index 466

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Pictorial Index

MOTION CONTROL ACCESSORIES

Dissipator High-Efficiency Stockbridge Damper
1700AA Series: pg. 427



Vibration Dampers for Aluminum Conductors
Stockbridge-1700 Series: pg. 429



Guy Wire Vibration Damper
Stockbridge–2200 Series: pg. 439



Highway Truss Vibration Damper
pg. 441



Spacer Damper with Elastomer Bushed Clamps
280000 Series: pg. 442



3 Conductor Bundle
Bolted Bush Type Clamp



4 Conductor Bundle
Bolted Bush Type Clamp

Speed-Grip® Spacers
pg. 444



Spring-Type Conductor Spacers
pg. 446



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Transmission Conductor Vibration Dampers
Dissipator High-Efficiency Stockbridge Damper — 1700AA Series

New Bell-shaped Weight Design

AFL's new Dissipator high-efficiency stockbridge damper 1700AA series provides a significant performance improvement over our traditional damper due to its unique offset bell-shaped weight configuration. The new offset weight design basically doubles the number of resonant frequencies, thereby providing a more consistent efficiency performance over the aeolian frequency span. AFL combined the proven performance of our unique bell-shaped weights and incorporated them in a design using two different size weights on unequal messenger lengths. The end result produced a damper with optimum performance that will eliminate damage caused by aeolian vibration thereby extending the life of a transmission line.

Applicable Conductor Types:
ACSR, ACSR-TW, ACSS (HiTemp), ACSS-TW, AAC, AAAC, ACAR

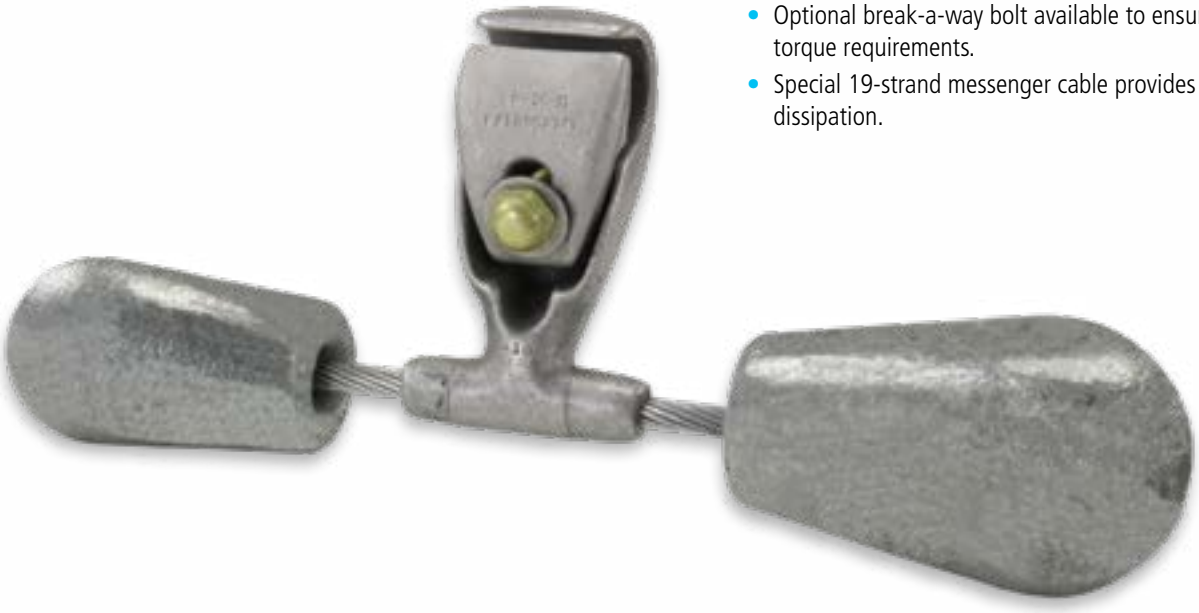
Note:
Please contact AFL for use.

Vibrec® Damper Placement Software

AFL has the longest standing history in vibration analysis today. From the many years of testing and gathering of empirical data, AFL introduced Vibrec, an integrated Windows®-based vibration analysis program that is available as a "Free Download" on our website. This program allows users to perform analysis on transmission lines by inputting various mechanical and environmental parameters that can affect vibration. With this information, Vibrec determines how many AFL Stockbridge vibration dampers or Speed-Grip® Spacers will be required for each span and suggests the best location for these accessories. You can also contact our technical support team for a free analysis.

Features

- Four natural frequency response modes and the unique weight shape provide one of the widest frequency ranges of coverage in the industry.
- Damper's unique bell shaped weight with smooth contours throughout the entire damper design provides corona performance up to 500 kV.
- Unique conductor clamp design can be used on HiTemp® conductor applications up to 250°C without the need for armor rods.
- Optional break-a-way bolt available to ensure consistent torque requirements.
- Special 19-strand messenger cable provides highly efficient energy dissipation.



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Transmission Conductor Vibration Dampers Dissipator High-Efficiency Stockbridge Damper — 1700AA Series (cont.)

The AFL Stockbridge Damper is the most efficient way to extend the life of a transmission line. It is designed to eliminate the damage caused by aeolian vibration.

What is Aeolian Vibration?

Aeolian vibration is a high frequency motion that can occur when a smooth, steady crosswind blows on aerial cables. This laminar wind creates vortices, which are detached at regular intervals on the leeward side, alternating from top and bottom of the cable. The detachments create vertical forces causing the cable to vibrate in standing waves. The primary factors effecting aeolian vibration are span length, tension and environmental factors. The amount of energy imparted to a cable varies directly with the span length. With increasing tension, the tendency of a cable to vibrate rises as its self dampening ability reduces.

The first aeolian vibration fatigue failures of stranded conductor were reported in 1917. George Stockbridge of Southern California Edison patented the stockbridge damper in 1928. During this same timeframe, an outdoor test span and indoor laboratory was erected for the study of vibration. These expanded facilities, along with more than 70 years of research and experience, have assisted AFL in understanding the theory of vibration and its control. Aeolian vibration still occurs and causes damage to conductors, hardware and towers. AFL Stockbridge Dampers dissipate this damaging force of nature.

Dampers for T2 Conductors

AFL has developed a special clamp insert that allows the damper to be firmly secured to a T2 conductor. See page 394 for an illustration of the damper and the attachment. Please contact our engineering department for applications involving T2 Conductor.

Vibration Recommendation Form can be found on page 404.

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Vibration Dampers for Aluminum Type Conductor (ACSR, ACSR-TW, ACSS, ACSS-TW, AAC, AAAC, ACAR)

Table 1: Weight Selection

WEIGHT CATALOG NUMBER	BARE CONDUCTOR DIAMETER RANGE		WEIGHT [1] STEEL	
	in.	mm	lbs	kg
ALUMINUM CONDUCTOR				
1703	0.361 - 0.570	9.2 - 14.4	2.9	1.32
1704	0.571 - 0.770	14.5 - 19.5	6.5	2.95
1705	0.771 - 0.970	19.6 - 24.6	9.9	4.49
1706AA	0.971 - 1.210	24.7 - 30.7	8.2	3.72
1707AA	1.211 - 1.382	30.8 - 35.1	8.4	3.81
1708AA	1.383 - 1.825	35.2 - 46.4	16.7	7.57

Table 2: Clamp Selection

CLAMP AFL NO.	OVERALL DIAMETER RANGE AT POINT OF INSTALLATION		CLAMP BOLT DIA [4]	WEIGHT [2] ALUMINUM	
	in.	mm		lbs	kg
-2	0.270 - 0.360	6.9 - 9.1	7/16	0.3	0.15
-3	0.361 - 0.460	9.2 - 11.6	7/16	0.3	0.15
-4	0.461 - 0.570	11.7 - 14.4	7/16	0.3	0.15
-5	0.571 - 0.675	14.5 - 17.1	7/16	0.4	0.16
-6	0.676 - 0.770	17.2 - 19.8	7/16	0.4	0.15
-7	0.771 - 0.870	19.6 - 22.1	1/2	0.6	0.26
-8	0.871 - 0.970	22.2 - 24.6	1/2	0.6	0.26
-9[3]	0.971 - 1.090	24.7 - 27.6	1/2	1.1	0.50
-10[3]	1.091 - 1.210	27.7 - 30.7	1/2	1.1	0.50
-11[3]	1.211 - 1.330	30.8 - 33.7	1/2	1.1	0.50
-13[3]	1.331 - 1.486	33.8 - 37.7	5/8	1.6	0.73
-14[3]	1.487 - 1.643	37.8 - 41.7	5/8	1.5	0.68
-15[3]	1.644 - 1.780	41.8 - 45.2	5/8	1.5	0.68
-16[3]	1.781 - 1.960	45.3 - 49.7	5/8	2.2	1.00
-17[3]	1.961 - 2.157	49.8 - 54.7	5/8	2.2	1.00
-18[3]	2.158 - 2.375	54.8 - 60.3	5/8	2.4	1.09
-19[3]	2.376 - 2.614	60.4 - 66.4	5/8	2.4	1.09

Notes:

1. Steel weight shown in Table 1 includes both damper weights and other steel parts used. For complete weight of damper assembly, add partial weights shown in Tables 1 and 2.
2. Regular aluminum hexagon head bolts are standard on assemblies that have 1705 weights and smaller. Assemblies having 1706AA weights and larger have special Corona hexagon head bolts.
3. For conductor sizes not covered in the table, consult AFL Technical Support Team at 1.800.866.7385.
4. Installation instructions for dampers start on page 393.
5. Weight combination sizes for cables smaller than 0.971" (1700 series) have identical weights on both sides.
6. Weight size 1701 uses a 7-strand messenger cable.

Ordering Instructions

Step 1: Determine Conductor Diameter

All damper ordering is based on the diameter of the conductor being used.

Step 2: Select Weight Catalog Number

Use Table 1 to select the correct weight catalog number based on the diameter of the bare conductor being used.

Step 3: Select Clamp Catalog Number

Before selecting a Clamp, ask one question 'Does this application require placement of clamp over armor rods?'

If yes, select the correct clamp catalog number from Table 2 based on the total diameter of the conductor and the armor rods.

If no, select the correct clamp catalog number from Table 2 based on the diameter of the bare conductor being used.

Step 4: Select Bolts

For breakaway bolts, use 'BA'. For standard bolts, leave blank.
NOTE: Breakaway bolts may not be corona free at voltages 345kV and above.

Step 5: Create Catalog Number

Weight Catalog Number + **Clamp Catalog Number** + **Bolts**

Example:
Without Armor Rods
Conductor Diameter: 1.108" (28.1 mm)
Weight Size from Table 1: 1706AA
Clamp Size from Table 2: -10
Bolts: Breakaway
Catalog Number: 1706AA-10BA

With Armor Rods
Conductor Diameter: 1.108" (28.1 mm)
Weight Size from Table 1: 1706AA
Diameter of Conductor and Armor Rods: 1.728" (43.9 mm)
Clamp Size from table 2: -15
Bolts: Standard
Catalog Number: 1706AA-15

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Vibration Dampers for Galvanized Steel or Alumoweld® Strand

Table 1: Weight Selection

WEIGHT CATALOG NUMBER	BARE CONDUCTOR DIAMETER RANGE		WEIGHT [2] STEEL	
	in.	mm	lbs	kg
GALVANIZED STEEL, ALUMOWELD®				
1701 [1]	0.270 - 0.430	6.9 - 10.9	2.6	1.18
1702 [1]	0.431 - 0.630	11.0 - 16.0	5.5	2.49

Table 2: Clamp Selection

CLAMP AFL NO.	OVERALL DIAMETER RANGE AT POINT OF INSTALLATION		CLAMP BOLT DIA. [4]	WEIGHT [2] ALUMINUM	
	in.	mm		lbs	kg
-2	0.270 - 0.360	6.9 - 9.1	7/16	0.3	0.15
-3	0.361 - 0.460	9.2 - 11.6	7/16	0.3	0.15
-4	0.461 - 0.570	11.7 - 14.4	7/16	0.3	0.15
-5	0.571 - 0.675	14.5 - 17.1	7/16	0.4	0.16
-6	0.676 - 0.770	17.2 - 19.8	7/16	0.4	0.15
-7	0.771 - 0.870	19.6 - 22.1	1/2	0.6	0.26
-8	0.871 - 0.970	22.2 - 24.6	1/2	0.6	0.26

Notes:

1. Steel weight shown in Table 1 includes both damper weights and other steel parts used. For complete weight of damper assembly, add partial weights shown in Tables 1 and 2.
2. For conductor sizes not covered in the table, consult AFL Technical Support Team at 1.800.866.7385.
2. Installation instructions for dampers start on page 393.

Ordering Instructions

Step 1: Determine Conductor Diameter

All damper ordering is based on the diameter of the conductor being used.

Step 2: Select Weight Catalog Number

Use Table 1 to select the correct weight catalog number based on the diameter of the bare conductor being used.

Step 3: Select Clamp Catalog Number

Before selecting a Clamp, ask one question 'Does this application require placement of clamp over armor rods?'

If yes, select the correct clamp catalog number from Table 2 based on the total diameter of the conductor and the armor rods.

If no, select the correct clamp catalog number from Table 2 based on the diameter of the bare conductor being used.

Step 4: Select Bolts

For breakaway bolts, use 'BA'. For standard bolts, leave blank.

Step 5: Create Catalog Number

Weight Catalog Number + **Clamp Catalog Number** + **Bolts**

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Transmission Conductor Vibration Dampers
Dissipator High-Efficiency Stockbridge Damper

Quick Reference Guide for ACSR Conductors

CONDUCTOR				DAMPER CATALOG NUMBER*
CODE WORD	SIZE	STRANDING	DIAMETER	
	KCMIL	AL/ST	IN.	
Rook	636	24/7	0.977	1706AA-9
Grosbeak	636	26/7	0.990	1706AA-9
Teal	605	30/19	0.994	1706AA-9
Flamingo	666.6	24/7	1.000	1706AA-9
Egret	636	30/19	1.019	1706AA-9
Stilt	715.5	24/7	1.036	1706AA-9
Coot	795	36/1	1.040	1706AA-9
Starling	715.5	26/7	1.051	1706AA-9
Tern	795	45/7	1.063	1706AA-9
Redwing	715.5	30/19	1.081	1706AA-9
Cuckoo	795	24/7	1.092	1706AA-10
Condor	795	54/7	1.093	1706AA-10
Drake	795	26/7	1.108	1706AA-10
Ruddy	900	45/7	1.131	1706AA-10
Mallard	795	30/19	1.140	1706AA-10
Catbird	954	36/1	1.140	1706AA-10
Canary	900	54/7	1.162	1706AA-10
Rail	954	45/7	1.165	1706AA-10
Tanager	1033.5	36/1	1.186	1706AA-10
Cardinal	954	54/7	1.196	1706AA-10
Ortolan	1033.5	45/7	1.212	1707AA-11
Curlew	1033.5	54/7	1.244	1707AA-11
Bluejay	1113	45/7	1.259	1707AA-11
Bunting	1192.5	45/7	1.302	1707AA-11
Bittern	1272	45/7	1.345	1707AA-13
Pheasant	1272	54/19	1.382	1707AA-13

* Add suffix "BA" to catalog number for break-a-way (shear-head) bolt option (i.e. 1708AA-14BA)

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Transmission Conductor Vibration Dampers
Dissipator High-Efficiency Stockbridge Damper (cont.)

Quick Reference Guide for ACSR Conductors (cont.)

CONDUCTOR				DAMPER CATALOG NUMBER*
CODE WORD	SIZE	STRANDING	DIAMETER	
	kcmil	AL/ST	in.	
Dipper	1351.5	45/7	1.386	1708AA-13
Martin	1351.5	54/19	1.424	1708AA-13
Bobolink	1431	45/7	1.427	1708AA-13
Plover	1431	54/19	1.465	1708AA-13
Nuthatch	1510.5	45/7	1.466	1708AA-13
Lapwing	1590	45/7	1.504	1708AA-14
Parrot	1510.5	54/19	1.506	1708AA-14
Falcon	1590	54/19	1.545	1708AA-14
Chukar	1780	84/19	1.602	1708AA-14
----------	2034	72/7	1.681	1708AA-15
Kiwi	2167	72/7	1.737	1708AA-15
Bluebird	2156	84/19	1.762	1708AA-15
Thrasher	2312	76/19	1.802	1708AA-16

* Add suffix "BA" to catalog number for break-a-way (shear-head) bolt option (i.e. 1708AA-14BA)

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Transmission Conductor Vibration Dampers
Dissipator High-Efficiency Stockbridge Damper (cont.)

Quick Reference Guide for AAC Conductors

CONDUCTOR				DAMPER CATALOG NUMBER*
CODE WORD	SIZE	STRANDING	DIAMETER	
	kcmil	ALUMINUM	in.	
Violet	715.5	37	0.974	1706AA-9
Nasturtium	715.5	61	0.975	1706AA-9
Petunia	750	37	0.997	1706AA-9
Cattail	750	61	0.998	1706AA-9
Arbutus	795	37	1.026	1706AA-9
Lilac	795	61	1.028	1706AA-9
—	800	37	1.031	1706AA-9
Heliotrope	800	61	1.031	1706AA-9
Snapdragon	900	61	1.094	1706AA-10
Magnolia	954	37	1.124	1706AA-10
Goldenrod	954	61	1.126	1706AA-10
Camellia	1000	61	1.152	1706AA-10
Bluebell	1033.5	37	1.170	1706AA-10
Larkspur	1033.5	61	1.172	1706AA-10
Gladiolus	1510.5	61	1.416	1706AA-10
Marigold	1113	61	1.216	1707AA-11
Coreopsis	1590	61	1.453	1707AA-11
Hawthorn	1192.5	61	1.258	1707AA-11
Narcissus	1272	61	1.300	1707AA-11
Columbine	1351	61	1.340	1707AA-13
Carnation	1431	61	1.379	1707AA-13
—	1500	91	1.412	1708AA-13
Jessamine	1750	61	1.525	1708AA-14
Cowslip	2000	91	1.630	1708AA-14

* Add suffix "BA" to catalog number for break-a-way (shear-head) bolt option (i.e. 1708AA-14BA)

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Transmission Conductor Vibration Dampers
Dissipator High-Efficiency Stockbridge Damper (cont.)

Quick Reference Guide for AAAC and ACAR Conductors

CONDUCTOR				DAMPER CATALOG NUMBER*
CODE WORD	SIZE	STRAND	DIAMETER	
	kcmil		in.	
Flint	740.8	37	0.991	1706AA-9
—	853.7	18/19	1.063	1706AA-9
—	853.7	24/13	1.063	1706AA-9
—	853.7	30/7	1.063	1706AA-9
Greeley	927.2	37	1.108	1706AA-10
—	927.2	18/19	1.108	1706AA-10
—	927.2	24/13	1.108	1706AA-10
—	927.2	30/7	1.108	1706AA-10
—	1024.5	18/19	1.165	1706AA-10
—	1024.5	24/13	1.165	1706AA-10
—	1024.5	30/7	1.165	1706AA-10
—	1080.6	18/19	1.196	1706AA-10
—	1080.6	24/13	1.196	1706AA-10
—	1080.6	30/7	1.196	1706AA-10
—	1180.6	24/13	1.212	1707AA-11
—	1127	42/19	1.222	1707AA-11
—	1172.3	18/19	1.246	1707AA-11
—	1172.3	24/13	1.246	1707AA-11
—	1534	42/19	1.427	1708AA-13
—	1534	54/7	1.427	1708AA-13
—	1691	—	1.498	1708AA-14
—	1700	42/19	1.502	1708AA-14
—	1700	54/7	1.502	1708AA-14

* Add suffix "BA" to catalog number for break-a-way (shear-head) bolt option (i.e. 1708AA-14BA)

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Transmission Conductor Vibration Dampers
Dissipator High-Efficiency Stockbridge Damper (cont.)

Quick Reference Guide for ACSS HiTemp® Conductor

CONDUCTOR				DAMPER CATALOG NUMBER*
CODE WORD	SIZE	STRANDING	DIAMETER	
	kcmil	AL/ST	in.	
Rook/ACSS	636	24/7	0.977	1706AA-9
Grosbeak/ACSS	636	26/7	0.990	1706AA-9
Wood Duck/ACSS	605	30/7	0.994	1706AA-9
Teal/ACSS	605	30/19	0.994	1706AA-9
Flamingo/ACSS	666.6	24/7	1.000	1706AA-9
Gannet/ACSS	666.6	26/7	1.014	1706AA-9
Scoter/ACSS	636	30/7	1.019	1706AA-9
Egret/ACSS	636	30/19	1.019	1706AA-9
Stilt/ACSS	715.5	24/7	1.036	1706AA-9
Starling/ACSS	715.5	26/7	1.051	1706AA-9
Macaw/ACSS	795	42/7	1.055	1706AA-9
Tern/ACSS	795	45/7	1.063	1706AA-9
Redwing/ACSS	715.5	30/19	1.081	1706AA-9
Cuckoo/ACSS	795	24/7	1.092	1706AA-10
Condor/ACSS	795	54/7	1.092	1706AA-10
Drake/ACSS	795	26/7	1.108	1706AA-10
Ruddy/ACSS	900	45/7	1.131	1706AA-10
Mallard/ACSS	795	30/19	1.140	1706AA-10
Canary/ACSS	900	54/7	1.162	1706AA-10
Corncrake/ACSS	954	20/7	1.165	1706AA-10
Rail/ACSS	954	45/7	1.165	1706AA-10
Towhee/ACSS	954	48/7	1.175	1706AA-10
Redbird/ACSS	954	24/7	1.196	1706AA-10
Cardinal/ACSS	954	54/7	1.196	1706AA-10
Snowbird/ACSS	1033.5	42/7	1.203	1706AA-10
Ortolan/ACSS	1033.5	45/7	1.212	1707AA-11
Curlew/ACSS	1033.5	54/7	1.245	1707AA-11
Canvasback/ACSS	954	30/19	1.248	1707AA-11
Bluejay/ACSS	1113	45/7	1.259	1707AA-11
Finch/ACSS	1113	54/19	1.293	1707AA-11
Bunting/ACSS	1192.5	45/7	1.302	1707AA-11

* Add suffix "BA" to catalog number for break-a-way (shear-head) bolt option (i.e. 1708AA-14BA)

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Transmission Conductor Vibration Dampers
Dissipator High-Efficiency Stockbridge Damper (cont.)

Quick Reference Guide for ACSS HiTemp® Conductor (cont.)

CONDUCTOR				DAMPER CATALOG NUMBER*
CODE WORD	SIZE	STRANDING	DIAMETER	
	kcmil	AL/ST	in.	
Grackle/ACSS	1192.5	54/19	1.338	1707AA-13
Bittern/ACSS	1272	45/7	1.345	1707AA-13
Diver/ACSS	1272	48/7	1.357	1707AA-13
Pheasant/ACSS	1272	54/19	1.382	1707AA-13
Dipper/ACSS	1351.5	45/7	1.386	1708AA-13
Martin/ACSS	1351.5	54/19	1.424	1708AA-13
Bobolink/ACSS	1431	45/7	1.427	1708AA-13
Plover/ACSS	1431	54/19	1.465	1708AA-13
Nuthatch/ACSS	1510	45/7	1.466	1708AA-13
Ratite/ACSS	1590	42/7	1.492	1708AA-14
Lapwing/ACSS	1590	45/7	1.504	1708AA-14
Parrot/ACSS	1510	54/19	1.505	1708AA-14
Falcon/ACSS	1590	54/19	1.544	1708AA-14
Chukar/ACSS	1780	84/19	1.602	1708AA-14
Mockingbird/ACSS	2034.5	72/7	1.681	1708AA-15
Roadrunner/ACSS	2057	76/19	1.700	1708AA-15
Kiwi/ACSS	2167	72/7	1.737	1708AA-15
Bluebird/ACSS	2156	84/19	1.762	1708AA-15

* Add suffix "BA" to catalog number for break-a-way (shear-head) bolt option (i.e. 1708AA-14BA)

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Transmission Conductor Vibration Dampers
Dissipator High-Efficiency Stockbridge Damper (cont.)

Quick Reference Guide for ACSS/TW HiTemp® Conductor

CONDUCTOR				DAMPER CATALOG NUMBER*
CODE WORD	SIZE	TYPE	DIAMETER	
	kcmil		in.	
Maumee/ACSS/TW	768.2	13	0.977	1706AA-9
Puffin/ACSS/TW	795	10	0.980	1706AA-9
Wabash/ACSS/TW	762.8	16	0.990	1706AA-9
Condor/ACSS/TW	795	13	0.993	1706AA-9
Drake/ACSS/TW	795	16	1.010	1706AA-9
Phoenix/ACSS/TW	954	5	1.044	1706AA-9
Kettle/ACSS/TW	957.2	7	1.060	1706AA-9
Rail/ACSS/TW	954	7	1.061	1706AA-9
Fraser/ACSS/TW	946.7	10	1.077	1706AA-9
Canary/ACSS/TW	900	13	1.080	1706AA-9
Cardinal/ACSS/TW	954	13	1.084	1706AA-9
Snowbird/ACSS/TW	1033.5	5	1.089	1706AA-9
Columbia/ACSS/TW	966.2	13	1.092	1706AA-10
Ortolan/ACSS/TW	1033.5	7	1.102	1706AA-10
Suwannee/ACSS/TW	959.6	16	1.108	1706AA-10
Curlew/ACSS/TW	1033.5	13	1.128	1706AA-10
Avocet/ACSS/TW	1113	5	1.129	1706AA-10
—	1080	7	1.131	1706AA-10
Bluejay/ACSS/TW	1113	7	1.143	1706AA-10
Cheyenne/ACSS/TW	1168.1	5	1.155	1706AA-10
Genesee/ACSS/TW	1158	7	1.165	1706AA-10
Oxbird/ACSS/TW	1192.5	5	1.167	1706AA-10
Bunting/ACSS/TW	1192.5	7	1.181	1706AA-10
Finch/ACSS/TW	1113	13	1.185	1706AA-10
Hudson/ACSS/TW	1158.4	13	1.196	1706AA-10
Scissortail/ACSS/TW	1272	5	1.202	1706AA-10
Catawba/ACSS/TW	1272	5	1.203	1706AA-10
Nelson/ACSS/TW	1257.1	7	1.213	1707AA-11
Bittern/ACSS/TW	1272	7	1.220	1707AA-11
Grackle/ACSS/TW	1192.5	13	1.225	1707AA-11
Yukon/ACSS/TW	1233.6	13	1.245	1707AA-11

* Add suffix "BA" to catalog number for break-a-way (shear-head) bolt option (i.e. 1708AA-14BA)

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Transmission Conductor Vibration Dampers
Dissipator High-Efficiency Stockbridge Damper (cont.)

Quick Reference Guide for ACSS/TW HiTemp® Conductor (cont.)

CONDUCTOR				DAMPER CATALOG NUMBER*
CODE WORD	SIZE kcmil	TYPE	DIAMETER in.	
Truckee/ACSS/TW	1372.5	5	1.248	1707AA-11
Dipper/ACSS/TW	1351.5	7	1.256	1707AA-11
Mackenzie/ACSS/TW	1359.7	7	1.259	1707AA-11
Pheasant/ACSS/TW	1272	13	1.264	1707AA-11
Thames/ACSS/TW	1334.6	13	1.290	1707AA-11
Bobolink/ACSS/TW	1431	7	1.291	1707AA-11
St. Croix/ACSS/TW	1467.8	5	1.292	1707AA-11
Martin/ACSS/TW	1351.5	13	1.300	1707AA-11
Miramichi/ACSS/TW	1455.3	7	1.302	1707AA-11
Platte/ACSS/TW	1569	5	1.334	1707AA-13
Plover/ACSS/TW	1431	13	1.337	1707AA-13
Merrimack/ACSS/TW	1433.6	13	1.340	1707AA-13
Potomac/ACSS/TW	1557.4	7	1.345	1707AA-13
Lapwing/ACSS/TW	1590	7	1.358	1707AA-13
Rio Grande/ACSS/TW	1533.3	13	1.382	1707AA-13
Schuylkill/ACSS/TW	1657.4	7	1.386	1708AA-13
Falcon/ACSS/TW	1590	13	1.408	1708AA-13
Pecos/ACSS/TW	1622	13	1.424	1708AA-13
Pee Dee/ACSS/TW	1758.6	7	1.427	1708AA-13
Chukar/ACSS/TW	1780	8	1.445	1708AA-13
James/ACSS/TW	1730.6	13	1.470	1708AA-13
Athabaska/ACSS/TW	1949.6	7	1.504	1708AA-14
Cumberland/ACSS/TW	1926.9	13	1.545	1708AA-14
Powder/ACSS/TW	2153.8	8	1.602	1708AA-14
Bluebird/ACSS/TW	2156	8	1.608	1708AA-14
Santee/ACSS/TW	2627.3	8	1.762	1708AA-15

* Add suffix "BA" to catalog number for break-a-way (shear-head) bolt option (i.e. 1708AA-14BA)

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Guy Wire Vibration Dampers Stockbridge Type—2200 Series



The 2200 series guy wire dampers have been designed to dampen the wind-induced motion of guy wires. They were originally developed for the guy wires on United States Military navigation towers.

Aeolian vibration is a high frequency motion that can occur when a smooth, steady crosswind blows on aerial cables. Aeolian vibration can cause loosening of bolted connections and wear at the guy wire joints. With the proper placement of AFL guy wire dampers, aeolian vibration damage can be eliminated.

Features

Engineered Performance

The guy wire damper features a specially designed hinged clamp with Belleville washers which provides maximum clamping area over the guy wire while maintaining a sufficient clamping force. The combination of these two features keeps the damper from "walking down" the wire.

No Special Tools Needed with Breakaway Bolt Option

With the breakaway bolt, no special tools or torque wrench is needed. Simply tighten the bolt until the head shears off. This means proper torque has been achieved.

Damper Recommendations

For specific application requirements, contact the AFL Technical Support Team at 1.800.866.7385.

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Guy Wire Vibration Dampers
Stockbridge Type—2200 Series (cont.)



Ordering Instructions

Determine Conductor Diameter

Select guy wire damper catalog number based on the diameter of the conductor being used.

AFL NO.	CONDUCTOR DIAMETER RANGE				DAMPER WEIGHT NUMBER	DIMENSIONS						WEIGHT	
	MIN		MAX			A		B		C			
	in.	mm	in.	mm		in.	mm	in.	mm	in.	mm	lbs	kg
2202	0.438	11.1	0.500	12.7	1702	12.50	318	3.00	76	2.25	57	7.1	3.22
2203	0.562	14.3	0.625	15.9	1702	12.50	318	3.00	76	2.25	57	7.1	3.22
2204	0.688	17.5	0.750	19.1	1704	13.50	343	3.00	76	2.5	64	8.1	3.67
2205	0.812	20.6	0.875	22.2	1705	16.00	406	4.00	102	2.78	71	12.3	5.58
2206	0.938	23.8	0.970	24.6	1705	16.00	406	4.00	102	2.78	71	12.2	5.53
2207	0.971	24.7	1.000	25.4	1706	15.00	381	4.00	102	3.25	83	15.7	7.12
2208	1.062	27.0	1.125	28.6	1706	15.00	381	4.00	102	3.25	83	15.6	7.08
2209	1.188	30.2	1.210	30.7	1706	15.75	400	4.12	105	3.25	83	15.9	7.21
2210	1.211	30.8	1.250	31.8	1707	20.25	514	4.12	105	3.5	89	22.2	10.07
2211	1.312	33.3	1.375	34.9	1707	20.25	514	4.12	105	3.5	89	22.1	10.02
2212	1.438	36.5	1.500	38.1	1708	22.50	572	4.12	105	4.12	105	31.2	14.15
2213	1.562	39.7	1.625	41.3	1708	22.50	572	4.50	114	4.12	105	31.9	14.47
2214	1.688	42.9	1.750	44.5	1708	22.50	572	4.50	114	4.75	105	31.9	14.47
2215	1.812	46.0	1.875	47.6	1709	24.50	622	4.50	114	4.75	121	35.0	15.88
2216	1.938	49.2	2.000	50.8	1709	24.50	622	4.50	114	4.75	121	35.0	15.88
2217	2.062	52.4	2.125	54.0	1709	24.50	622	4.50	114	4.75	121	35.5	161.00
2218	2.188	55.6	2.250	57.2	1709	24.50	622	4.50	114	4.75	121	35.5	16.10
2219	2.312	58.7	2.375	60.3	1709	24.50	622	4.50	114	4.75	121	35.4	16.06
2220	2.438	61.9	2.500	63.5	1709	24.50	622	4.75	121	4.75	121	36.1	16.37
2221	2.562	65.1	2.625	66.7	1709	24.50	622	4.75	121	4.75	121	36.0	16.33
2222	2.688	68.3	2.750	69.9	1709	24.50	622	4.75	121	4.75	121	35.8	16.24
2223	2.812	71.4	2.875	73.0	1709	24.50	622	5.00	127	4.75	121	36.7	16.65
2224	2.938	74.6	3.000	76.2	1709	24.50	622	5.00	127	4.75	121	36.6	16.60
2225	3.062	77.8	3.125	79.4	1709	24.50	622	5.00	127	4.75	121	36.4	16.51
2226	3.188	81.0	3.250	82.6	1709	24.50	622	5.25	133	4.75	121	36.9	16.74
2227	3.312	84.1	3.375	85.7	1709	24.50	622	5.25	133	4.75	121	36.7	16.65
2228	3.438	87.3	3.500	88.9	1709	24.50	622	5.25	133	4.75	121	36.5	16.56
2229	3.562	90.5	3.625	92.1	1709	24.50	622	5.50	140	4.75	121	37.1	16.83
2230	3.688	93.7	3.750	95.3	1709	24.50	622	5.50	140	4.75	121	37.0	16.78
2231	3.812	96.8	3.875	98.4	1709	24.50	622	5.50	140	4.75	121	36.8	16.69

Note:
All guy wire dampers come standard with breakaway bolts.

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Highway Truss Vibration Dampers



AFL Highway Truss Dampers offer the most practical and economical solution for vibration problems normally encountered in highway sign trusses. The AFL 1708-17.1 damper, weighing 31 lbs. (14.06 kg), is the size most commonly used for highway truss applications. A single damper located at the mid-point of the truss will provide vibration protection for lengths between 60 and 140 ft (18.3-42.7 m). Special consideration should be given to longer spans or cantilever applications.

Ordering Information

AFL NO.	TUBE O.D.		TOTAL WEIGHT			
	in.	mm	ALUM.		TOTAL	
			lbs.	kg	lbs.	kg
1708-17.1	2.00	50.8	2.2	1.00	31.0	14.06

Notes:

1. Truss damper comes standard with breakaway bolt.
2. The 1708-17.1 damper also fits 1-1/2" SPS tube.
3. For truss sizes not listed and recommended placement, contact the AFL Technical Support Team at 1.800.866.7385.

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Spacer Dampers with Elastomer Bushed Clamps—280000 Series



Spacer dampers were originally developed to suppress bundle conductor subspan oscillations that could cause damage to multi-conductor bundle systems. Later, it was determined that they could be used to control aeolian vibration as well as wake-induced oscillation. The spacer damper is designed to maintain the original geometry of the bundle system against loads. It must also restore the bundle to normal posture after experiencing severe loads due to short-circuit currents, ice and wind.

The AFL Spacer Damper combines the function of a spacer in maintaining conductor separation and the function of a damper in controlling aeolian vibration. The viscoelastic bushings firmly grip the conductor. AFL has developed spacer damper designs to meet various bundle configurations and installation requirements.

Features

Controls Oscillation and Aeolian Vibration

The Spacer Damper is the most efficient way to extend the life span of the transmission line. It is designed to dissipate the damaging vibrations caused by wind.

No Special Tools Needed with Breakaway Bolt Option

With the breakaway bolt, no special tools nor torque wrench are needed. Simply tighten the bolt until the head shears off, indicating proper torque has been achieved.

Customized Designs

AFL can engineer a line protection system for any particular project. The Spacer Dampers are available for 3 and 4 conductor bundles. Standard spacing is 18 inches. For alternate spacing and bundle design, contact AFL Technical Support Team.

Vibrec® Damper Recommendation Program

The Vibrec damper recommendation program assists in spacer damper requirements for transmission lines. For more information visit www.Vibrec.com or contact the AFL Technical Support Team at 1.800.866.7385.

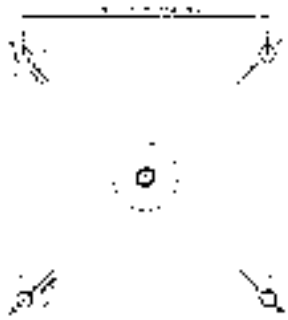
Vibration Recommendation Form can be found on page 403.

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Spacer Dampers with Elastomer Bushed Clamps—280000 Series (cont.)



3 Conductor Bundle
Bolted Type Clamp



4 Conductor Bundle
Bolted Type Clamp

Ordering Instructions

Step 1: Select Bundle and Clamp Type Catalog Number

Determine conductor bundle and clamp type to get first part of catalog number from Table 1.

Step 2: Select Clamp Size Catalog Number

Determine clamp size by diameter of conductor to get second part of catalog number from Table 2. For conductor diameter, see pages 387-392.

Step 3: Create Catalog Number

Clamp Type Number + **Clamp Size Number**

Example:

For a Spacer Damper with bolted clamps for 3 Conductor Bundle of 795 Drake ACSR conductor, the complete Catalog Number is:

283457.287

Table 1: Bundle & Clamp Type Selection

SYMMETRIC BUNDLE GEOMETRY			PARTIAL AFL NO. CLAMP TYPE
CONDUCTOR SPACING		NUMBER OF CONDUCTORS	
in.	mm		BOLTED
18	457	3	283457
18	457	4	284457

Table 2: Clamp Size Selection

PARTIAL AFL NO.	CONDUCTOR DIAMETER RANGE		DIMENSION		WEIGHT (BASED ON 18.00 IN (457 MM) CONDUCTOR SPACING)							
					3 CONDUCTOR				4 CONDUCTOR			
			A		ALUM		TOTAL		ALUM		TOTAL	
	in.	mm	in.	mm	lbs	kg	lbs	kg	lbs	kg	lbs	kg
.267	.976-1.051	24.79-26.71	2.00	51	8.1	3.67	9.1	4.13	9.7	4.40	11.7	5.31
.287	1.052-1.131	26.72-28.74	2.00	51	8.1	3.67	9.1	4.13	9.7	4.40	11.7	5.31
.310	1.132-1.220	28.75-31.00	2.00	51	8.1	3.67	9.0	4.08	9.7	4.40	11.7	5.31
.320	1.221-1.257	31.01-31.94	2.00	51	8.4	3.81	9.5	4.31	10.1	4.58	12.1	5.49
.342	1.258-1.345	31.95-34.17	2.00	51	8.4	3.81	9.5	4.31	10.1	4.58	12.1	5.49
.371	1.346-1.460	34.18-37.09	2.00	51	9.6	4.35	10.9	4.94	11.5	5.22	13.5	6.12
.394	1.461-1.550	37.10-39.38	2.00	51	9.6	4.35	10.8	4.90	11.5	5.22	13.5	6.12
.417	1.551-1.640	39.39-41.67	2.00	51	9.6	4.35	10.8	4.90	11.5	5.22	13.5	6.12
.437	1.641-1.720	41.68-43.70	2.20	56	10.2	4.63	11.3	5.13	12.2	5.53	14.2	6.44
.465	1.721-1.830	43.71-46.49	2.20	56	10.2	4.63	11.3	5.13	12.2	5.53	14.2	6.44
.488	1.831-1.920	46.50-48.78	2.20	56	10.2	4.63	11.2	5.08	12.2	5.53	14.2	6.44

Note:
Installation instructions for dampers start on page 393.

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Speed-Grip® Spacers for Two Bundle Conductors—3300 Series



Spacers are necessary on horizontal bundle construction to prevent damage from wake-induced oscillation, ice unloading and short circuit clashing. AFL's Speed-Grip Spacer employs elastomer bushed clamps to firmly grip the conductor. It is specially designed to allow rapid installation without special tools.

What is wake-induced oscillation?

Wake-induced oscillation is a motion particular to bundled conductors experiencing moderate to high crosswinds. It takes various forms based on the bundle configuration and winds that occur. Damage can result due to conductor clashing or wear of attachment hardware, and thus it is important to protect against it. AFL has been researching oscillation to understand it and has developed improved accessories to control it.

Features

Fully Assembled

The Speed-Grip Spacer is ready for immediate installation. The bushings are seated, frames interlocked and the wedge-lock bolt in place.

Quick Installation

With no loose parts, whether from a helicopter, spacer cart or bucket, the Speed-Grip spacer takes seconds to install.

No Special Tools

With the wedge-lock breakaway bolt, no special tool or torque wrench is needed. Simply tighten the bolt until the head shears off, indicating proper torque has been achieved.

Customized Design

The Speed-Grip Spacer is designed with a standard 18 inch spacing. For applications requiring other spacing dimensions, contact the AFL Technical Support Team.

Spacers for T2 Conductors

AFL has developed a special clamp insert that allows the speed grip spacer to be firmly secured to a T2 conductor. See page 394 for an illustration of the spacer and the attachment. Please contact our engineering department for applications involving T2 Conductor.

High Temperature Applications

The Standard Bushings have a maximum temperature of 125°C. AFL has designed a special clamp insert to withstand the elevated temperatures of high temperature conductors. Two units are currently available for 200°C and 250°C. The 200°C unit is designated by adding the suffix "MT" to the part number. (i.e. 3326MT). The 250°C unit is designated by adding "HT" to the part number. (i.e. 3326HT). See page 337 for information on the HiTemp® Speed-Grip Spacers—3300HT Series. Please contact our engineering department for performance data on these two units.

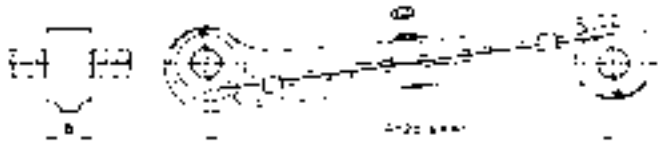
Vibrec® Damper Recommendation Program

The Vibrec damper recommendation program assists in Speed-Grip Spacer requirements for transmission lines. For more information visit www.Vibrec.com or contact the AFL Technical Support Team at 1.800.866.7385.

Vibration Recommendation Form can be found on page 404.

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Speed-Grip® Spacers for Two Bundle Conductors—3300 Series (cont.)



The Speed-Grip Spacer comes fully assembled with no loose parts. The wedge lock break-away bolt requires no special tools to tighten. Unless otherwise requested, standard spacing is 18 inches.

Ordering Information

Speed-Grip Spacers are ordered by catalog number corresponding to the conductor diameter.

Example:

For 795 Drake ACSS Conductor (1.108" diameter) operating at 250°C, the Speed-Grip Spacer catalog number would be:

3310 HT

Range Code
BLANK = Standard (125°C max.)
MT = Medium Temperature (200°C max.)
HT = High Temperature (250°C max.)

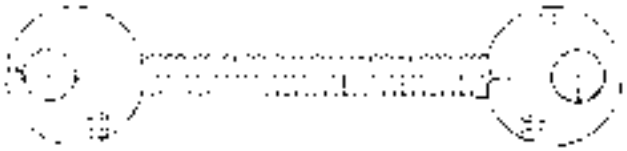
Note:

Installation instructions for Speed-Grip Spacers are on page 402.

AFL NO.	CONDUCTOR DIAMETER RANGE		DIMENSIONS				BOLT DIAMETER	WEIGHT				MAXIMUM VOLTAGE
			A		B			ALUMINUM		TOTAL		
	in.	mm	in.	mm	in.	mm	in.	lbs	kg	lbs	kg	kV
3300	0.776 - 0.808	19.7 - 20.4	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.56	345
3301	0.809 - 0.842	20.5 - 21.3	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.56	345
3302	0.843 - 0.875	21.4 - 22.1	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.56	345
3303	0.876 - 0.908	22.2 - 23.0	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.56	345
3304	0.909 - 0.942	23.1 - 23.8	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.56	345
3305	0.943 - 0.975	23.9 - 24.7	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.56	345
3306	0.976 - 1.000	24.8 - 25.4	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3307	1.001 - 1.030	25.5 - 26.1	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3308	1.031 - 1.051	26.2 - 26.6	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3309	1.052 - 1.079	26.7 - 27.4	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3310	1.080 - 1.110	27.5 - 28.1	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3311	1.111 - 1.131	28.2 - 28.7	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3312	1.140 - 1.170	29.0 - 29.7	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3313	1.171 - 1.200	29.8 - 30.4	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3314	1.201 - 1.220	30.5 - 30.9	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3315	1.221 - 1.240	31.0 - 31.5	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3316	1.241 - 1.257	31.6 - 31.9	18.0	457	2.0	51	5/8	3.1	1.41	3.5	1.59	345
3317	1.258 - 1.289	32.0 - 32.7	18.0	457	2.0	51	5/8	3.7	1.68	3.5	1.86	345
3318	1.290 - 1.320	32.8 - 33.5	18.0	457	2.0	51	5/8	3.7	1.68	3.5	1.86	345
3319	1.321 - 1.345	33.6 - 34.1	18.0	457	2.0	51	5/8	3.7	1.68	3.5	1.86	345
3321	1.380 - 1.405	35.1 - 35.6	18.0	457	2.0	51	3/4	3.7	1.68	4.2	1.91	345
3322	1.406 - 1.431	35.7 - 36.3	18.0	457	2.0	51	3/4	3.7	1.68	4.2	1.91	345
3323	1.432 - 1.460	36.4 - 37.0	18.0	457	2.0	51	3/4	3.7	1.68	4.2	1.91	345
3324	1.461 - 1.490	37.1 - 37.8	18.0	457	2.0	51	3/4	3.7	1.68	4.2	1.91	345
3325	1.491 - 1.520	37.9 - 38.6	18.0	457	2.0	51	3/4	3.7	1.68	4.2	1.91	345
3326	1.521 - 1.550	38.7 - 39.3	18.0	457	2.0	51	3/4	3.7	1.68	4.2	1.91	345
3327	1.551 - 1.580	39.4 - 40.1	18.0	457	2.0	51	3/4	3.7	1.68	4.2	1.91	345
3328	1.581 - 1.611	40.2 - 40.9	18.0	457	2.0	51	3/4	3.7	1.68	4.2	1.91	345
3330	1.612 - 1.640	40.7 - 41.6	18.0	457	2.2	56	3/4	4.2	1.91	5.2	2.36	500
3331	1.641 - 1.680	41.7 - 42.6	18.0	457	2.2	56	3/4	4.2	1.91	5.2	2.36	500
3332	1.681 - 1.720	42.7 - 43.6	18.0	457	2.2	56	3/4	4.2	1.91	5.2	2.36	500
3333	1.721 - 1.750	43.7 - 44.4	18.0	457	2.2	56	3/4	4.2	1.91	5.2	2.36	500
3334	1.751 - 1.790	44.5 - 45.4	18.0	457	2.2	56	3/4	4.2	1.91	5.2	2.36	500
3335	1.791 - 1.830	45.5 - 46.4	18.0	457	2.2	56	3/4	4.2	1.91	5.2	2.36	500
3336	1.831 - 1.860	46.5 - 47.2	18.0	457	2.2	56	3/4	4.2	1.91	5.2	2.36	500
3337	1.861 - 1.890	47.3 - 48.0	18.0	457	2.2	56	3/4	4.2	1.91	5.2	2.36	500
3338	1.891 - 1.920	48.1 - 48.7	18.0	457	2.2	56	3/4	4.2	1.91	5.2	2.36	500

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Spring-Type Conductor Spacers for Two Bundle Conductors—1790 and 1800 Series



Ordering Instructions

Step 1: Select Base Catalog Number

Select catalog number based on the diameter of the conductor being used.

Step 2: Determine the Desired Spacing

Determine the desired spacing in whole inches and place after base catalog number. Standard spacing is 18 inches.

Step 3: Select the Type of Spring

Select "G" for a galvanized spring and "S" for a stainless steel spring. Place the spring letter at the end of the catalog number.

Step 4: Create Catalog Number

Base Catalog Number + **Desired Spacing** + **Spring Type**

Example:

Conductor Diameter: 1.108" (28.1mm)
Base Catalog Number: 1794
Spacing: 18 inches
Spring Type: G
Complete Catalog Number: 1794.18G

1790 Series
Recommended for Voltages up to 345 kV

BASE AFL NO.	CONDUCTOR DIAMETER RANGE				WEIGHT			
	MIN		MAX		ALUMINUM		TOTAL	
	in.	mm	in.	mm	lbs	kg	lbs	kg
1790.xxx	0.813	20.7	0.875	22.2	2.3	1.04	4.5	2.04
1791.xxx	0.876	22.3	0.937	23.6	2.5	1.13	4.7	2.13
1792.xxx	0.938	23.9	1.000	25.4	2.1	0.95	4.3	1.95
1793.xxx	1.001	25.5	1.062	26.9	2.3	1.04	4.5	2.04
1794.xxx	1.063	27.0	1.130	28.7	2.2	1.00	4.5	2.04
1795.xxx	1.131	28.8	1.196	30.4	2.1	0.95	4.4	2.00
1796.xxx	1.197	30.5	1.252	31.8	2.8	1.27	4.9	2.22
1797.xxx	1.253	31.9	1.312	33.3	2.9	1.32	5.0	2.27
1798.xxx	1.313	33.4	1.375	34.9	2.7	1.22	4.9	2.22
1799.xxx	1.376	35.0	1.437	36.5	2.7	1.22	4.9	2.22

1800 Series
Recommended for Voltages up to 500 kV

BASE AFL NO.	CONDUCTOR DIAMETER RANGE				WEIGHT			
	MIN		MAX		ALUMINUM		TOTAL	
	in.	mm	in.	mm	lbs	kg	lbs	kg
1800.xxx	1.438	36.5	1.518	38.5	4.3	1.95	6.2	2.81
1801.xxx	1.519	38.6	1.599	38.6	4.2	1.91	6.1	2.77
1802.xxx	1.600	40.7	1.680	40.7	4.0	1.81	5.9	2.68
1803.xxx	1.681	42.7	1.762	42.7	4.0	1.81	5.9	2.68
1804.xxx	1.763	44.8	1.843	44.8	3.9	1.77	5.8	2.63

Notes:
1. Installation instructions for Spring-Type Spacers are on page 402.
2. Weights are based on spacing of 18 inches.

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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]
			INDIVIDUAL WIRES		STEEL CORE	COMPLETE CABLE					
	KCMIL OR AWG	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
Swan	4	6/1	0.083	0.083	0.083	0.250	57	1,860	0.403	0.515	140
Swanate	4	7/1	0.077	0.103	0.103	0.257	67	2,360	0.399	0.519	140
Sparrow	2	6/1	0.105	0.105	0.105	0.316	91	2,850	0.254	0.332	184
Sparate	2	7/1	0.097	0.130	0.130	0.325	107	3,460	0.251	0.338	184
Robin	1	6/1	0.118	0.118	0.118	0.354	115	3,550	0.201	0.268	212
Raven	1/0	6/1	0.133	0.133	0.133	0.398	145	4,380	0.159	0.217	242
Quail	2/0	6/1	0.149	0.149	0.149	0.447	183	5,310	0.126	0.176	276
Pigeon	3/0	6/1	0.167	0.167	0.167	0.502	231	6,620	0.100	0.144	315
Penguin	4/0	6/1	0.188	0.188	0.188	0.563	291	8,350	0.080	0.119	357
Waxwing	266.8	18/1	0.122	0.122	0.122	0.609	289	6,880	0.064	0.079	449
Partridge	266.8	26/7	0.101	0.079	0.236	0.642	367	11,300	0.064	0.078	475
Ostrich	300	26/7	0.107	0.084	0.251	0.680	412	12,700	0.057	0.069	492
Merlin	336.4	18/1	0.137	0.137	0.137	0.684	365	8,680	0.051	0.063	519
Linnet	336.4	26/7	0.114	0.089	0.265	0.720	462	14,100	0.051	0.062	529
Oriole	336.4	30/7	0.106	0.106	0.318	0.741	526	17,300	0.050	0.061	535
Chickadee	397.5	18/1	0.149	0.149	0.149	0.743	431	9,940	0.043	0.053	576
Brant	397.5	24/7	0.129	0.086	0.257	0.772	511	14,600	0.043	0.053	584
Ibis	397.5	26/7	0.124	0.096	0.289	0.783	546	16,300	0.043	0.052	587
Lark	397.5	30/7	0.115	0.115	0.345	0.806	622	20,300	0.043	0.052	594
Pelican	477	18/1	0.163	0.163	0.163	0.814	517	11,800	0.036	0.044	646
Flicker	477	24/7	0.141	0.094	0.282	0.846	614	17,200	0.036	0.044	655
Hawk	477	26/7	0.135	0.105	0.316	0.858	656	19,500	0.036	0.044	659
Hen	477	30/7	0.126	0.126	0.378	0.883	746	23,800	0.035	0.043	666
Osprey	556.5	18/1	0.176	0.176	0.176	0.879	603	13,700	0.031	0.038	711
Parakeet	556.5	24/7	0.152	0.102	0.305	0.914	716	19,800	0.031	0.038	721
Dove	556.5	26/7	0.146	0.114	0.341	0.927	765	22,600	0.031	0.038	726
Eagle	556.5	30/7	0.136	0.136	0.409	0.953	871	27,800	0.030	0.037	734
Peacock	605	24/7	0.159	0.106	0.318	0.953	779	21,600	0.028	0.035	760
Squab	605	26/7	0.153	0.119	0.356	0.966	832	24,300	0.028	0.035	765
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
Kingbird	636	18/1	0.188	0.188	0.188	0.940	690	15,700	0.027	0.033	773

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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]
			INDIVIDUAL WIRES		STEEL CORE	COMPLETE CABLE					
	KCMIL OR AWG	AL/ST	AL	ST			LBS	LBS	DC @ 20°C	AC @ 75°C	AMPS
Swift	636	36/1	0.133	0.133	0.133	0.930	643	13,690	0.027	0.033	769
Rook	636	24/7	0.163	0.109	0.326	0.977	818	22,000	0.027	0.033	784
Grosbeak	636	26/7	0.156	0.122	0.365	0.991	874	25,200	0.027	0.033	789
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
Flamingo	666.6	24/7	0.167	0.111	0.333	1.000	858	23,700	0.026	0.032	807
Gannet	666.6	26/7	0.160	0.125	0.374	1.014	916	26,400	0.026	0.031	812
Stilt	715.5	24/7	0.173	0.115	0.345	1.036	920	25,500	0.024	0.029	844
Starling	715.5	26/7	0.166	0.129	0.387	1.051	984	28,400	0.024	0.029	849
Redwing	715.5	30/19	0.154	0.093	0.463	1.081	1,110	34,600	0.024	0.029	859
Coot	795	36/1	0.149	0.149	0.149	1.040	804	16,710	0.022	0.027	884
Drake	795	26/7	0.175	0.136	0.408	1.107	1,093	31,500	0.021	0.026	907
Tern	795	45/7	0.133	0.089	0.266	1.063	895	22,100	0.022	0.027	887
Condor	795	54/7	0.121	0.121	0.364	1.092	1,023	28,200	0.022	0.027	889
Mallard	795	30/19	0.163	0.098	0.488	1.140	1,233	38,400	0.021	0.026	918
Ruddy	900	45/7	0.141	0.094	0.283	1.131	1,013	24,400	0.019	0.024	958
Canary	900	54/7	0.129	0.129	0.387	1.162	1,158	31,900	0.019	0.024	961
Rail	954	45/7	0.146	0.097	0.291	1.165	1,074	25,900	0.018	0.023	993
Cardinal	954	54/7	0.133	0.133	0.399	1.196	1,227	33,800	0.018	0.023	996
Ortolan	1033.5	45/7	0.152	0.101	0.303	1.212	1,163	27,700	0.017	0.021	1043
Curlew	1033.5	54/7	0.138	0.138	0.415	1.245	1,330	36,600	0.017	0.021	1047
Bluejay	1113	45/7	0.157	0.105	0.315	1.258	1,253	29,800	0.016	0.019	1092
Finch	1113	54/19	0.144	0.086	0.431	1.292	1,429	39,100	0.015	0.020	1093
Bunting	1192.5	45/7	0.163	0.109	0.326	1.302	1,342	32,000	0.014	0.018	1139
Grackle	1192.5	54/19	0.149	0.089	0.446	1.337	1,531	41,900	0.014	0.018	1140
Bittern	1272	45/7	0.168	0.112	0.336	1.345	1,432	34,100	0.014	0.017	1184
Pheasant	1272	54/19	0.154	0.092	0.461	1.381	1,633	34,600	0.014	0.017	1187
Dipper	1351.5	45/7	0.173	0.116	0.347	1.386	1,521	36,200	0.013	0.016	1229
Martin	1351.5	54/19	0.158	0.095	0.475	1.424	1,735	46,300	0.013	0.016	1232
Bobolink	1431	45/7	0.178	0.119	0.357	1.427	1,611	38,300	0.012	0.015	1272
Lapwing	1590	45/7	0.188	0.125	0.376	1.504	1,790	42,200	0.011	0.014	1354
Falcon	1590	54/19	0.172	0.103	0.515	1.544	2,041	54,500	0.011	0.014	1359
Chukar	1780	84/19	0.146	0.087	0.437	1.602	2,071	51,000	0.010	0.013	1453
Bluebird	2156	84/19	0.160	0.096	0.481	1.762	2,509	60,300	0.008	0.011	1623
Kiwi	2167	72/7	0.174	0.116	0.347	1.735	2,300	49,800	0.008	0.011	1607

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

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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]
	KCMIL OR AWG	AL	COMPLETE CABLE	LBS	LBS	DC @ 20°C	AC @ 75°C	AMPS
Peachbell	6	7	0.184	25	563	0.658	0.805	103
Rose	4	7	0.232	39	881	0.414	0.506	138
Iris	2	7	0.292	62	1,350	0.260	0.318	185
Pansy	1	7	0.328	78	1,640	0.207	0.252	214
Poppy	1/0	7	0.368	99	1,990	0.164	0.200	247
Aster	2/0	7	0.414	125	2,510	0.130	0.159	286
Phlox	3/0	7	0.464	157	3,040	0.103	0.126	331
Oxlip	4/0	7	0.522	198	3,830	0.082	0.100	383
Sneezewort	250.0	7	0.567	234	4,520	0.069	0.085	425
Valerian	250.0	19	0.574	234	4,660	0.069	0.085	426
Daisy	266.8	7	0.586	250	4,830	0.065	0.079	443
Laurel	266.8	19	0.592	250	4,970	0.065	0.079	444
Peony	300.0	19	0.628	281	5,480	0.058	0.071	478
Tulip	336.4	19	0.665	315	6,150	0.051	0.063	513
Daffodil	350.0	19	0.679	328	6,390	0.049	0.061	526
Canna	397.5	19	0.723	373	7,110	0.044	0.053	570
Goldentuft	450.0	19	0.769	422	7,890	0.038	0.043	616
Cosmos	477.0	19	0.792	447	8,360	0.036	0.045	639
Syringa	477.0	37	0.795	447	8,690	0.036	0.045	639
Zinnia	500.0	19	0.811	469	8,760	0.035	0.043	658
Hyacinth	500.0	37	0.814	469	9,110	0.035	0.043	658
Dahlia	556.5	19	0.856	522	9,750	0.031	0.038	703
Mistletoe	556.5	37	0.858	522	9,940	0.031	0.038	704
Meadowsweet	600.0	37	0.891	562	10,700	0.023	0.036	738
Orchid	636.0	37	0.918	596	11,400	0.027	0.036	765
Heuchera	650.0	37	0.928	609	11,600	0.027	0.033	775
Verbena	700.0	37	0.963	656	12,500	0.025	0.031	812
Flag	700.0	61	0.964	656	12,900	0.025	0.031	812
Violet	715.5	37	0.973	671	12,800	0.024	0.030	823
Nasturtium	715.5	61	0.975	671	13,100	0.024	0.030	823
Petunia	750.0	37	0.997	703	13,100	0.023	0.029	847
Cattail	750.0	61	0.998	703	13,500	0.023	0.029	847
Arbutus	795.0	37	1.026	745	13,900	0.022	0.027	878
Lilac	795.0	61	1.027	745	14,300	0.022	0.027	879
Cockscomb	900.0	37	1.092	844	15,400	0.019	0.024	948
Snapdragon	900.0	61	1.093	844	15,900	0.019	0.024	948
Magnolia	954.0	37	1.124	894	16,400	0.018	0.023	982
Goldenrod	954.0	61	1.125	894	16,900	0.018	0.023	983

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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]
	KCMIL OR AWG	AL	COMPLETE CABLE	LBS	LBS	DC @ 20°C	AC @ 75°C	AMPS
Hawkweed	1000.0	37	1.151	937	17,200	0.017	0.022	1,010
Camellia	1000.0	61	1.152	937	17,700	0.071	0.022	1,011
Bluebell	1033.5	37	1.170	969	17,700	0.017	0.021	1,031
Larkspur	1033.5	61	1.171	969	18,300	0.017	0.021	1,032
Marigold	1113.0	61	1.216	1,043	19,700	0.016	0.020	1,079
Hawthorn	1192.5	61	1.258	1,118	21,100	0.015	0.018	1,124
Narcissus	1272.0	61	1.300	1,192	22,000	0.014	0.017	1,169
Columbine	1351.5	61	1.340	1,267	23,400	0.013	0.016	1,212
Carnation	1431.0	61	1.378	1,341	24,300	0.012	0.016	1,253
Gladiolus	1510.5	61	1.416	1,416	25,600	0.014	0.015	1,294
Coreopsis	1590.0	61	1.453	1,490	27,000	0.011	0.014	1,333
Jessamine	1750.0	61	1.524	1,640	29,700	0.010	0.013	1,408
Cowslip	2000.0	91	1.631	1,875	34,200	0.009	0.012	1,518
Sagebrush	2250.0	91	1.730	2,130	37,500	0.008	0.011	1,612
Lupine	2500.0	91	1.823	2,366	41,900	0.007	0.010	1,706
Bitterroot	2750.0	91	1.912	2,603	46,100	0.006	0.009	1,793
Trillium	3000.0	127	1.998	2,839	50,300	0.006	0.008	1,874
Bluebonnet	3500.0	127	2.158	3,345	58,700	0.005	0.008	2,024

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

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Conductor Information for AAAC Conductors

CODE NAME	SIZE	STRANDING	DIAMETER	WEIGHT PER 1000 FT	RATED STRENGTH	RESISTANCE OHMS PER 1000 FT		ALLOWABLE AMPACITY[1]
	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
Alton	48.69	7	0.250	45	1,760	0.414	0.493	143
Ames	77.47	7	0.316	72.	2,800	0.260	0.310	191
Azusa	123.3	7	0.398	115	4,460	0.163	0.195	256
Anaheim	155.4	7	0.447	145	5,390	0.130	0.154	296
Amherst	195.7	7	0.502	183	6,790	0.103	0.123	342
Alliance	246.9	7	0.563	230	8,560	0.082	0.097	395
Butte	312.8	19	0.642	292	11,000	0.064	0.077	460
Canton	394.5	19	0.720	368	13,300	0.051	0.061	532
Cairo	465.4	19	0.783	434	15,600	0.043	0.052	590
Darien	559.5	19	0.858	522	18,800	0.036	0.043	663
Elgin	652.4	19	0.927	608	21,900	0.031	0.037	729
Flint	740.8	37	0.990	691	24,400	0.027	0.033	790
Greeley	927.2	37	1.108	865	30,500	0.022	0.026	908

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

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Conductor Information for ACAR Conductors

SIZE	STRANDING	DIAMETER	WEIGHT PER 1000 FT	RATED STRENGTH	RESISTANCE OHMS PER 1000 FT		ALLOWABLE AMPACITY[1]
KCMIL	AAC/AAAC	IN	LBS	LBS	DC @ 20°C	AC @ 75°C	AMPS
355.0	12/7	0.683	332	8,500	0.051	0.062	519
465.9	12/7	0.783	436	11,000	0.039	0.048	616
503.6	12/7	0.814	471	11,900	0.036	0.044	646
653.1	12/7	0.927	611	15,400	0.028	0.034	760
739.8	30/7	0.990	693	15,300	0.024	0.030	831
739.8	18/19	0.990	692	18,800	0.025	0.031	814
853.7	30/7	1.063	799	17,500	0.021	0.026	907
853.7	18/19	1.063	798	21,500	0.022	0.027	890
927.2	30/7	1.108	868	19,000	0.019	0.024	955
927.2	18/19	1.108	867	23,400	0.020	0.025	936
1024.5	30/7	1.165	959	20,900	0.017	0.022	1,015
1024.5	18/19	1.165	958	25,800	0.018	0.023	995
1081.0	30/7	1.196	1,012	22,100	0.016	0.021	1,048
1081.0	18/19	1.196	1,011	27,200	0.017	0.021	1,028
1109.0	30/7	1.212	1,038	22,700	0.016	0.020	1,065
1109.0	18/19	1.212	1,037	27,900	0.017	0.021	1,044
1172.0	30/7	1.246	1,097	24,000	0.015	0.019	1,101
1172.0	18/19	1.246	1,096	29,500	0.016	0.020	1,080
1197.0	30/7	1.259	1,121	24,500	0.015	0.019	1,115
1197.0	18/19	1.259	1,119	30,200	0.016	0.019	1,094
1280.0	30/7	1.302	1,199	26,200	0.014	0.018	1,160
1280.0	18/19	1.302	1,197	32,200	0.015	0.018	1,139
1361.0	42/19	1.344	1,274	30,300	0.013	0.017	1,196
1527.0	42/19	1.424	1,429	33,600	0.012	0.015	1,314
1703.0	42/19	1.504	1,594	37,500	0.011	0.014	1,363
1933.0	42/19	1.602	1,809	42,500	0.009	0.012	1,465
2267.0	42/19	1.735	2,142	49,900	0.008	0.011	1,594
2339.0	42/19	1.762	2,210	51,500	0.008	0.011	1,622
2493.0	72/19	1.821	2,357	50,400	0.007	0.010	1,687
2493.0	54/37	1.821	2,355	57,600	0.007	0.010	1,670

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

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Installation Instructions

1700-T2 SERIES VIBRATION DAMPER

General

AFL vibration dampers are produced with carefully designed and controlled surface finishes for High Voltage use. To maintain this quality, the dampers should be protected, preferably in their shipping containers, from dirt and foreign material prior to installation. Handling in the field should be with care to avoid mechanical damage. AFL Vibration dampers may be installed without disassembly of the clamp parts.

NOTE: DO NOT WRAP TAPE OVER THE INSERTS TO HOLD THEM TO THE CONDUCTORS, THIS WILL REDUCE THE DAMPERS SLIP STRENGTH AT THE CLAMP/INSERT INTERFACE

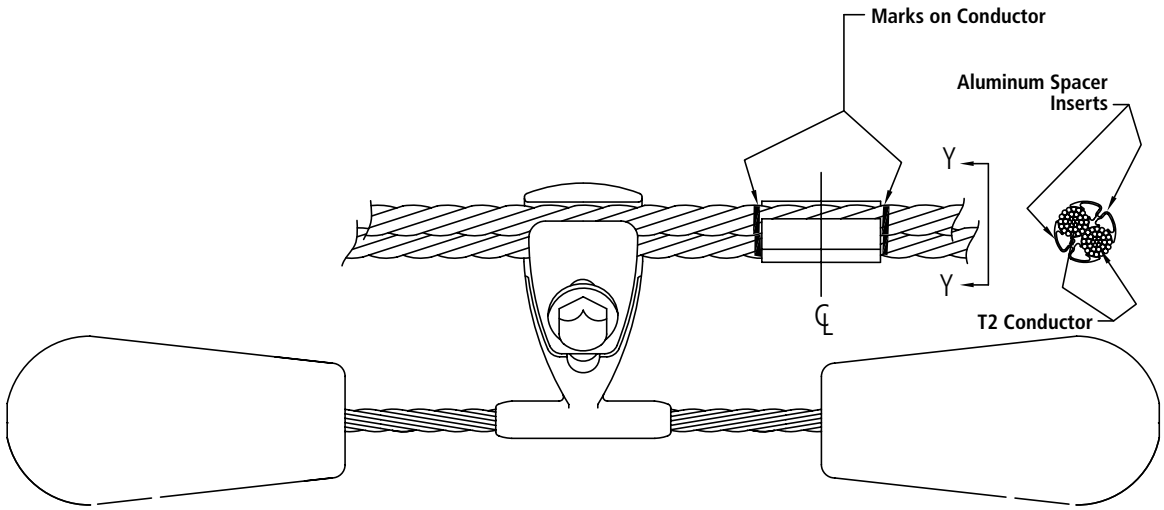
Procedure

Step 1 Obtain the damper placement location from AFL Damper Recommendation Form.

Step 2 Loosen the bolt to open clamp sufficiently to permit cable entry into the clamp groove. Note: The bolt need not be removed.

Step 3 Hang the damper around the conductor near the final installation location. For a horizontal two-conductor bundle, the bolt head should be toward the center of the bundle.

Step 4 Hold the two spacer inserts at the proper spacing as specified in Step 1 and mark the conductor on each side as illustrated.



NOTE: 1700-T2 Dampers are only for use on overhead transmission line twisted pair cables.

CAUTION: Follow installation instructions carefully. Improper installation can result in mechanical failure of the cable system and possible injury to persons handling or in the vicinity of the cable systems.

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Installation Instructions

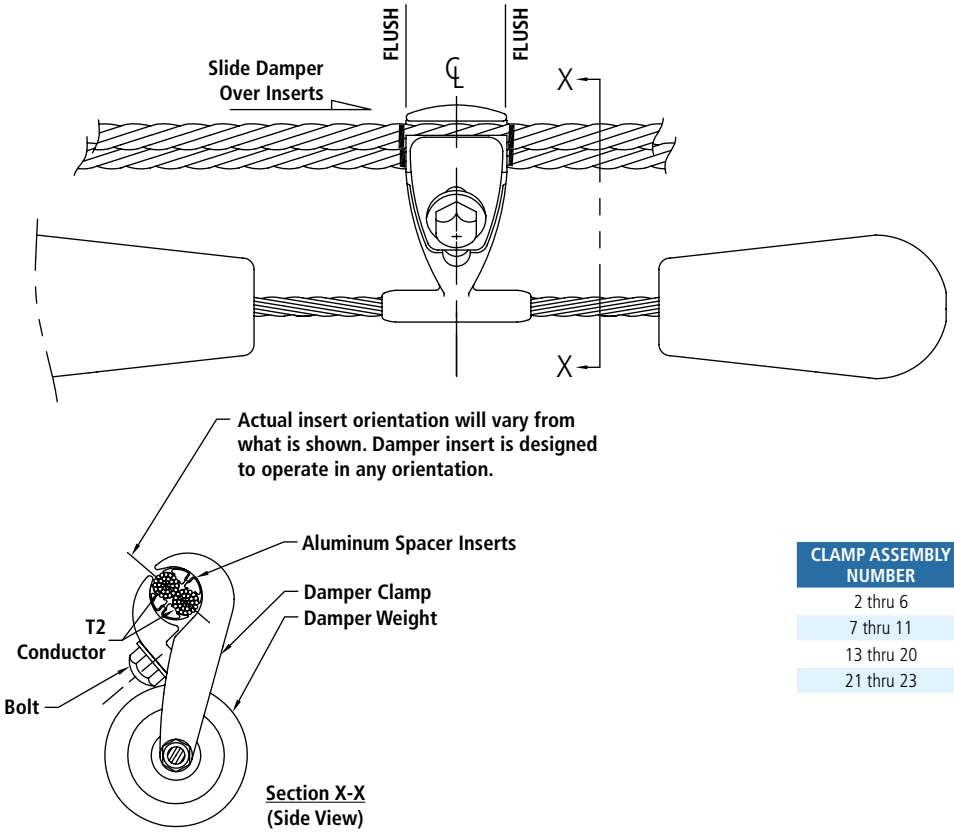
1700-T2 SERIES VIBRATION DAMPER

NOTE: DO NOT WRAP TAPE OVER THE INSERTS TO HOLD THEM TO THE CONDUCTORS, THIS WILL REDUCE THE DAMPERS SLIP STRENGTH AT THE CLAMP/INSERT INTERFACE

Procedure

Step 5 Slide the damper over the spacer inserts and tighten bolt finger tight. The spacers should align flush with the edge of the clamp as shown. NOTE: Damper weights should be located directly below the conductor as shown.

Step 6 Tighten the bolt with a torque wrench to the recommended value for the bolt size tabulated below. If the bolt has a breakaway outer head, tighten the bolt until breakaway head shears off.



CLAMP ASSEMBLY NUMBER	BOLT DIAMETER Inch	TORQUE lbf-ft (N-m)
2 thru 6	7/16	20 (27)
7 thru 11	1/2	25 (34)
13 thru 20	5/8	40 (54)
21 thru 23	3/4	60 (81)

NOTE: Insert orientation may be different from illustration.

CAUTION: Follow installation instructions carefully. Improper installation can result in mechanical failure of the cable system and possible injury to persons handling or in the vicinity of the cable systems.

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Installation Instructions

Vibration Dampers 1700, 1700AA Series



GENERAL INFORMATION

AFL vibration dampers are produced with carefully designed and controlled surface finishes for High Voltage use. To maintain this quality, the dampers should be protected, preferably in their shipping containers, from dirt and foreign material prior to installation. Handling in the field should be with care to avoid mechanical damage. AFL Vibration dampers may be installed without disassembly of the clamp parts.

VIBREC® DAMPER RECOMMENDATION PROGRAM

The Vibrec damper recommendation program assists in damper requirements for transmission and distribution lines. For more information contact the AFL Technical Support Team at 1.800.866.7385.

INSTALLATION PROCEDURE

Step 1: (a) Obtain the damper spacing from AFL.
(b) At the tangent tower, the centerline of the damper should be the specified distance from the center of the suspension clamp.
(c) At the dead end location, the centerline of the damper should be the specified distance from the mouth of the dead end. Normally, for a phase conductor, a second damper is required at the dead end location; on a static wire, a second damper is usually not required at the dead end location. The centerline distance between the two dampers should be as specified.

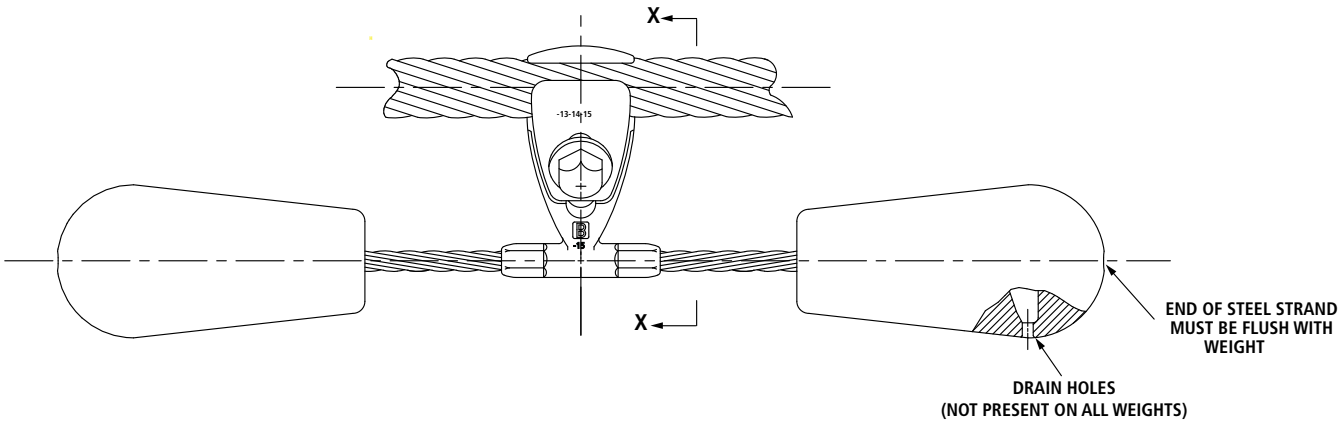
*****Note: For the 1700AA series dampers, the damper is approved to be installed with either the large weight toward the structure or the small weight toward the structure.*****

Step 2: Loosen the bolt so that the clamp may be opened sufficiently to permit cable entry into the clamp groove.
Note: The bolt need not be removed.

Step 3: Hang the damper on the conductor at the proper spacing specified in Step 1 and tighten the bolt finger tight.

Step 4: Tighten the bolt with a torque wrench to the recommended value for the bolt size in the table below. If the bolt has a breakaway outer head, tighten the bolt until the breakaway head shears off.

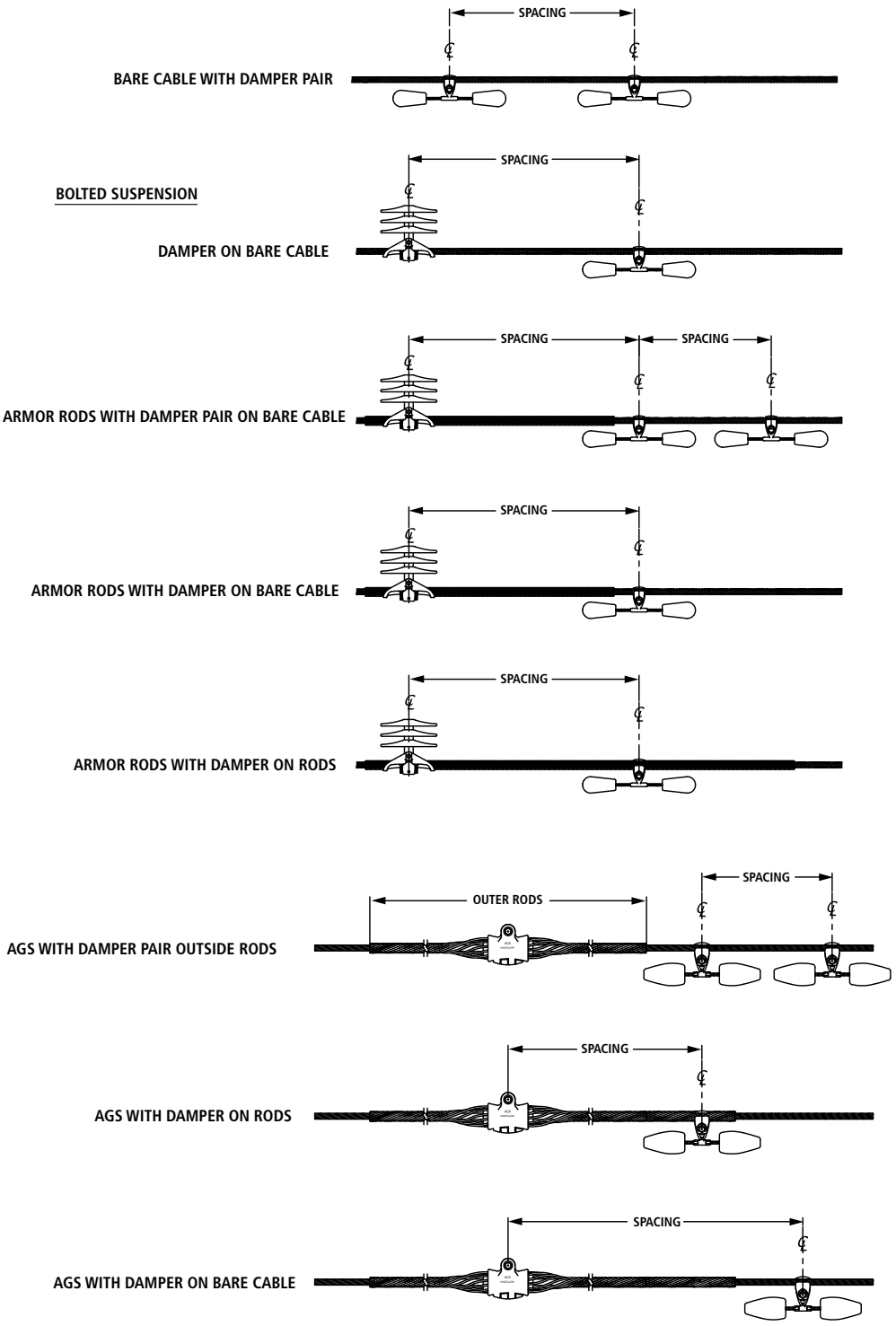
CLAMP ASSEMBLY NUMBER	BOLT DIAMETER INCH	TORQUE LBF. FT (N.M)
2 thru 6	7/16	20 (27)
7 thru 11	1/2	25 (34)
13 thru 20	5/8	40 (54)
21 thru 23	3/4	60 (81)



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Installation Instructions (cont.)

Vibration Dampers 1700,1700AA Series



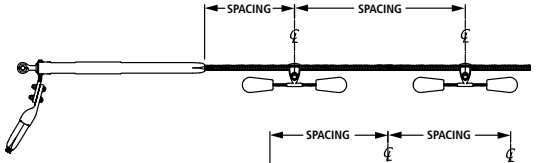
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Installation Instructions (cont.)

Vibration Dampers 1700,1700AA Series

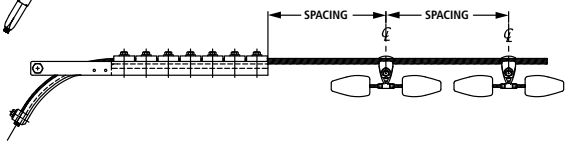
DEAD END

DEAD END SPANS – PHASE CONDUCTORS

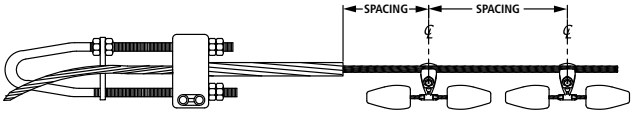


BOLTED DEAD END

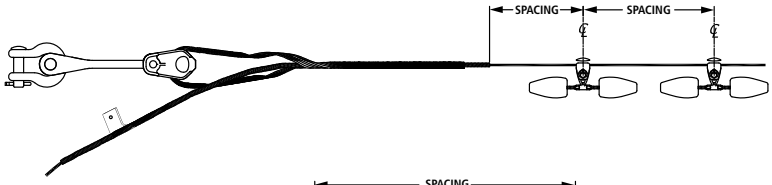
OPGW DEAD END WITH DAMPER PAIR



OPGW FORMED WIRE DEAD END (WEDGE)
WITH DAMPER PAIR



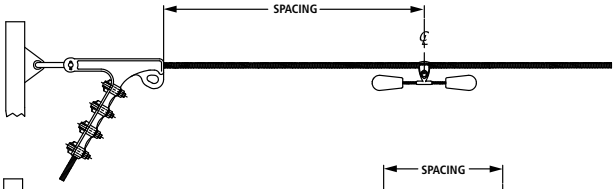
OPGW FORMED WIRE DEAD END
WITH DAMPER PAIR



COMPRESSION DEAD END WITH DAMPER ON BARE CABLE
(STEEL SHIELD WIRE ONLY)



BOLTED STRAIN CLAMP WITH DAMPER ON BARE CABLE
(STEEL SHIELD WIRE ONLY)



FORMED GRIP DEAD END WITH DAMPER ON BARE CABLE
(STEEL SHIELD WIRE ONLY)



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Installation Instructions (cont.)

Vibration Dampers 1700,1700AA Series

VIBRATION PROTECTION RECOMMENDATIONS – SPACING NOTES

1. Tangent Spans – Phase Conductor and Overhead Ground Wire (OHGW)
   "Level One Damping" means one damper placement per conductor at one end of the span only. "Two dampers per conductor" means two damper placements (one damper placement at each end of the span).

2. Tangent Spans – Dead End at One End – Phase Conductor
   In spans dead ended at one end only, and requiring only one damper per conductor, the damper should be placed at the tangent structure, spaced in accordance with Dimension A or B. If the span requires three dampers per conductor, then one damper should be placed at the tangent structure, spaced in accordance with Dimension A or B, and two dampers should be placed at the deadended structure, spaced in accordance with Dimensions C and D. Normally, two dampers are recommended at conductor dead ends with insulator strings, as it is impossible to accurately predict the location of vibration node points relative to the conductor dead end. With just one damper at a dead end, the damper could, under certain wind conditions, be at a node point. The effectiveness of two dampers, spaced as recommended, assures that at least one of the two dampers will be effective at all times.

3. Tangent Spans – Dead Ended at One End – Overhead Ground Wire
   In spans deadended at one end only, and requiring only one damper per wire, the damper should be placed at the tangent structure, spaced in accordance with Dimension A or B. If the span requires two dampers per wire, then one damper should be placed at the tangent structure, in accordance with Dimension A or B, and one damper should be placed at the dead end, spaced in accordance with Dimension C.

4. Spans Dead Ended at Both Ends – Phase Conductor
   "Two dampers per conductor" means two dampers at one end of the span only, spaced in accordance with Dimensions C and D. "Four dampers per conductor" means two dampers at each end of the span, spaced in accordance with Dimensions C and D. Normally, two dampers are recommended at conductor dead ends with insulator strings, as it is impossible to accurately predict the location of vibration node points relative to the conductor dead end. With just one damper at a dead end, the damper could, under certain wind conditions, be at a node point. The effectiveness of a damper on a node is significantly reduced. The use of two dampers, spaced as recommended, assures that at least one of the two dampers will be effective at all times.

5. Spans Dead Ended at Both Ends – Overhead Ground Wire
   "One damper per conductor" means one damper at one end of the span, spaced in accordance with Dimension C. "Two dampers per conductor" means one damper located at each end of the span, spaced in accordance with Dimension C.

6. Spans Dead Ended at Both Ends, or Tangent Spans of Dead Ended at One End, For OHGW Utilizing a Formed Guy Grip Dead End
   We do not recommend the installation of damper clamps over formed-guy-grip type dead ends. Therefore, where vibration protection is required for spans using the formed type dead ends, two dampers will be required at each dead end location, with the first damper spaced at the end of the rods and the second damper located in accordance with Dimension D.

7. Dampers Over Armor Rods
   Dampers with the clamps placed over armor rods are not as effective as dampers with the clamp placed directly on the conductor. Therefore, if armor rods are used, the rods should be short enough as to permit installation of the damper clamp over the bare conductor, using the recommended Dimension B spacing. The Dimension B is used whenever armor rods, line guards or AGS units are specified. In the event the rod lengths are too long to permit installation directly on the conductor, the damper clamp must be selected to fit over the installed rods.

8. Selective Damping
   The ability of a damper to protect a given span may be hindered by vibration in adjacent undamped spans even though the vibration in the undamped spans is not at a damaging level for the undamped span. Therefore, damping of adjacent spans is suggested at times. For simplicity, the Vibrec® program recommends that spans adjacent to a span requiring dampers also be damped. AFL will, however, approve omission of dampers in spans shorter than the level zero limit when the adjacent damped spans are less than 50% of the one-damper limit.

9. If there are any questions with respect to the damper recommendations or placement, contact your local representative.

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Installation Instructions

Spacer Dampers, Bolted Type

1. Check assembly to make sure all bushings are seated and that all bolts and washers are in position.

2. Loosen all 5/8”-11 spacer clamp break-away bolts to permit the clamp caps (Figure 1) to be rotated so that they will clear the conductor during installation.

3. Position the spacer damper on the two upper conductors. The top two clamp arms will rest on the conductors.

4. Rotate the two top caps so that they center on the conductor. Finger tighten each break-away bolt by first placing the hand over each clamp so that the edges of the clamp mouth close evenly and then finger tighten the bolt in each clamp.

5. Repeat step 4 for the bottom cap.

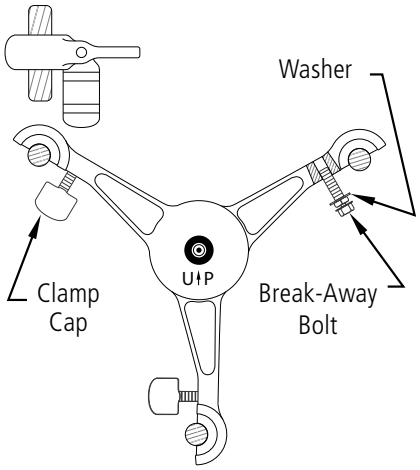


Figure 1

6. Position the spacer damper assembly perpendicular to the conductor centerline within tolerances shown in Figure 2.

7. Secure the spacer damper clamps to the conductor by tightening the 5/8” break-away bolt with a 15/16” hex socket wrench. Tighten each bolt until the upper bolt head shears off.
(Note: A washer head on the break-away bolt will position the socket wrench on the bolt head and prevent wrench engagement with the lower bolt head during tightening.)

8. Make a final inspection checking for clamp fit and alignment and to see that all break-away bolts have the upper heads sheared off.

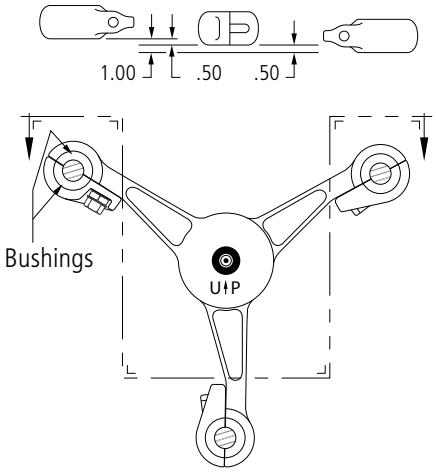


Figure 2

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Installation Instructions

T2 Speed-Grip® Spacer

1. Obtain the spacer location from the AFL Spacer Spacing Report. Mark the installation point on one T-2 conductor in the bundle.

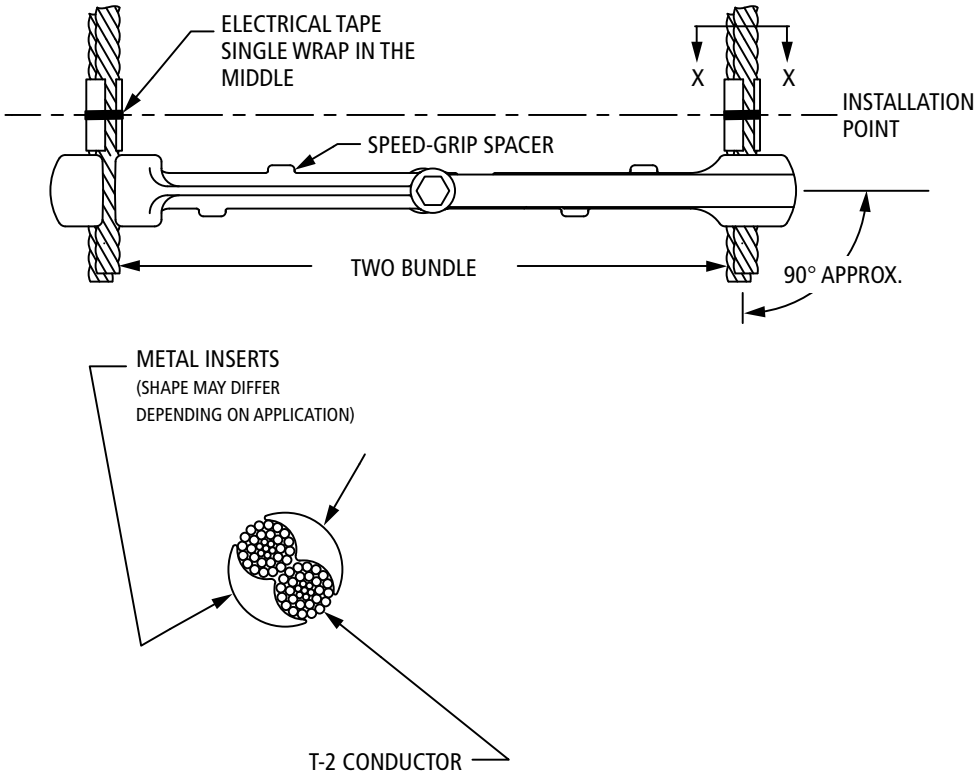
2. Position two (2) metal inserts on the marked location as shown in Fig. 1. Wrap one (1) layer of electrical tape around the inserts to keep them in place during installation.

CAUTION: Do not cover over half of the metal insert surface with tape and do not wrap more than one-and-a-half (1½) times around as it may affect the electrical and mechanical properties of the speed grip.

3. Loosen the speed-grip assembly casting by opening the clamp enough to clear the conductors and insert on each end. Assembly will be held in this position by hand tightening the wedge-lock pin tight enough to hold spacer halves in position when placed over conductor.

4. Position the speed-grip spacer on the conductor adjacent to the installed set of inserts as shown in Fig. 1. Using the spacer as a guide, locate where the second set of inserts must be positioned to make the speed grip perpendicular to both conductors.

Fig. 1



SECTION X-X
(ENLARGED)

5. Install the second set of inserts using one (1) layer of electrical tape to keep them in place.

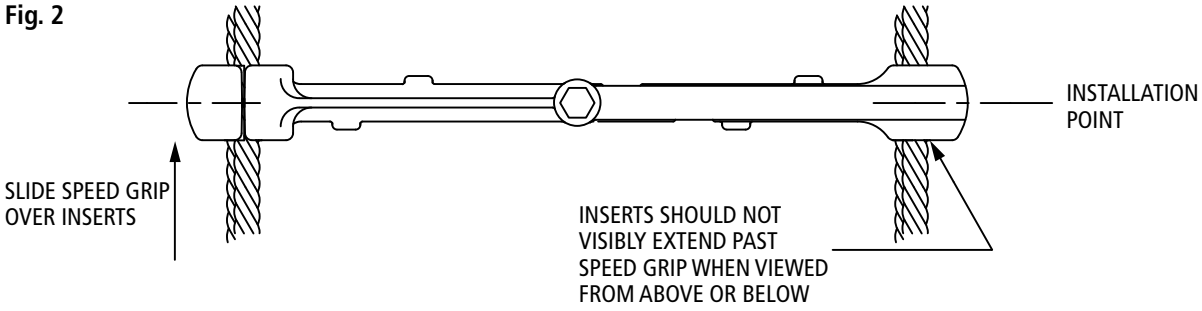
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Installation Instructions (cont.)

T2 Speed-Grip® Spacer

6. Slide the speed grip over the spacers such that they are fully surrounded by the speed-grip bushings (see Fig. 2), while retaining the perpendicular stance against the conductors.

Fig. 2



7. Loosen wedge-lock pin and close the spacer halves on the conductors. At this position, the point of the pin will be in a position to permit engagement with the lower spacer half lock hole. Hand tighten pin to engage pin with lower spacer half lock hole (see Fig. 4).

Fig. 3

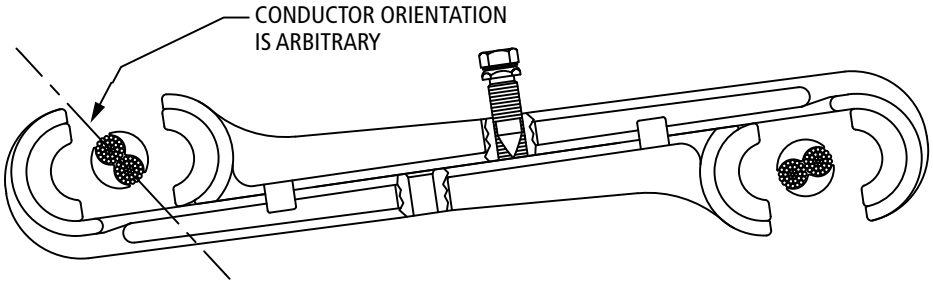
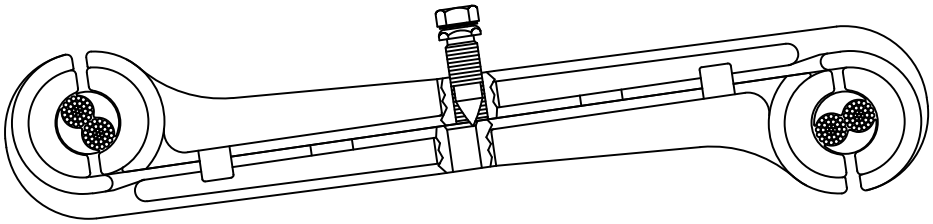
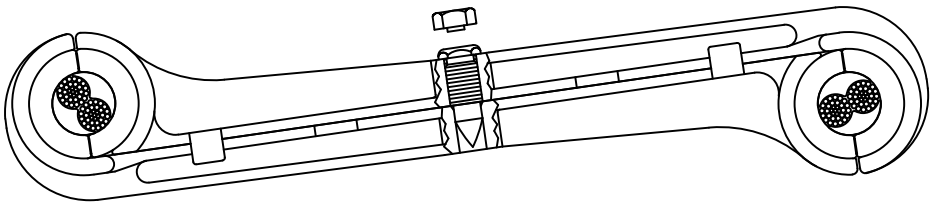


Fig. 4



8. Using a socket wrench, tighten wedge-lock pin until break-away head shears off. It is recommended that a 12" ratchet wrench with a 6-point deep socket be used. Nominal break-away torque is 40 lbf-ft for the 5/8 aluminum break-away wedge-lock pin and 47 lbf-ft for the 3/4 (see Fig. 5).

Fig. 5



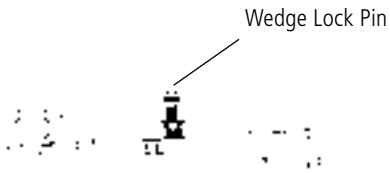
9. Make final visual inspection to ensure that spacer is properly seated on conductors, wedge-lock pin head bottomed, and if pin head is free from burrs which might have occurred during installation.

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Installation Instructions

Speed-Grip® Spacers

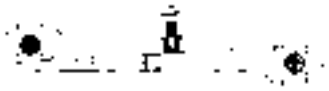
1. Prior to installation, slide open the spacer assembly giving a clamp opening of approximately 1½ times the conductor diameter. Finger-tighten the wedge-lock pin enough to hold the spacer assembly in the open position.



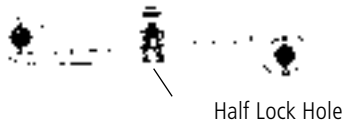
2. Position spacer assembly between the two conductors, so that it is perpendicular to the conductors.



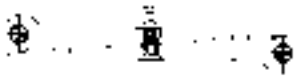
3. Rotate the spacer assembly until the conductors rest in the open clamps.



4. Loosen the wedge-lock pin and slide the spacer assembly closed. Finger-tighten the wedge-lock pin to engage the pin with lower spacer half lock hole.



5. Using a 12" (30 cm) ratchet wrench with a 6-point deep socket, tighten the wedge-lock pin until breakaway head shears off.



6. Make final visual inspection to ensure that the spacer is properly seated on the conductor, shear head is missing and the wedge-lock pin head is free of burrs.

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Installation Instructions

Spring-Type Spacers

1. Loosen bolts so that the clamp may be opened sufficiently to permit cable entry into the cable groove.

2. Align the clamps on the conductors. The spring should be straight and perpendicular to both conductors.

3. Tighten bolts with a socket wrench (thin wall recommended). Bolts of each clamp should be tightened in sequence for best results. Tighten one bolt to approximately 15 lb-ft (20N.m), then tighten the second bolt until torque control head shears off. First bolt should then be tightened until the torque control head shears off.

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Request for Vibration Information
for Line/Stockbridge Dampers

Originator: _____ Tel/Fax: _____
Utility/Consultant: _____ Date: _____
Project Name: _____ Number of Phases/Span: _____
Line Voltage: _____ Number of Conductors/Phase: _____

For each ruling or deadend span, provide the following information:

1. Conductor Designation: _____
2. Average Annual Minimum Temperature (AAMT) for Line: _____
   (select from attached map)
3. Average Annual Temperature (AAT) for Line (usually 60°F) : _____
4. Terrain or Wind Speed (mph):_____ River/Water Crossing? ☐ Yes ☐ No
   (select Normal [15mph], Flat [20mph] or Water Crossing [25mph])
5. Loading Zone:

Check one	Zone	Ice (inches)	Wind (#/ft²)	K (#/ft)	Temp. (°F)
☐	NESC Heavy	0.50	4.00	0.30	0
☐	NESC Medium	0.25	4.00	0.20	15
☐	NESC Light	0.00	9.00	0.05	30
☐	CALIF. Heavy	0.50	6.00	0.00	0
☐	CALIF. Light	0.00	8.00	0.00	25
☐	**Other:**				

6. Guards:_____ Specify Guard Length if Not Standard (inches):_____
   No Guards = None Line Guards = LG Armor Rods = AR Suspension = AGS
   Specify Rod Diameter: _____
7. Spans (*): Maximum Design Tension (lbs.) _____

Ruling Span (ft)	Deadend to Deadend?	Max. Span (ft)	Initial Tension @ AAMT bare (lbs)	Final Tension @ AAT (lbs)	*OPTIONAL* Span List (Comma Separated) EXAMPLE: 700,750,450,950,…

(*) If more spans are needed please attach a spreadsheet with the above information (ruling span, tensions & span list) to get damper quantities with the recommendation.

8. Additional Comments: _____
   _____
   _____

Submit to: spbacatechnical@AFLglobal.com or Fax: 864.433.5419

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AFL | AFLglobal.com
1 (800) 866-7385

AVERAGE ANNUAL MINIMUM TEMPERATURE (°F) (AAMT)



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Index

1700AA Series 427
1790 Series 449
1800 Series 449
2200 Series 439
3300 Series 444
280000 Series 442

Dampers

Dissipator Stockbridge Dampers 427
Guy Wire Vibration Dampers 439
Highway Truss Dampers 441
Spacer Dampers with Elastomer Bushed Clamps 442
Stockbridge Type Dampers 427

Installation Instructions

Stockbridge Dampers 453, 455
Spacer Dampers 459
Speed-Grip® Spacers 460
Spring Type Spacers 463

Reference Material

Conductor Information for ACSR Conductor 447
Conductor Information for AAC Conductor 449
Conductor Information for AAAC Conductor 451
Conductor Information for ACAR Conductor 452
Dissipator High-Efficiency Stockbridge Damper
Conductor Information for ACSR Conductor 431
Conductor Information for AAC Conductor 433
Conductor Information for AAAC and ACAR Conductor 434
Conductor Information for ACSS HiTemp® Conductor 435
Conductor Information for ACSS/TW HiTemp Conductor 437

Spacers

Speed-Grip® Spacers 444
Spring-Type Spacers 446

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Table of Contents

Formed Wire Accessories Pictorial Index 468
Armor Rods 469
Line Guards 473

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Pictorial Index

FORMED WIRE ACCESSORIES

Armor Rods
pg. 469



Line Guards
pg. 473



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Armor Rods

Armor rods are designed to protect the conductor by reducing bending, compression, and abrasion at the support point. Protection against flashover damage is also provided. Armor rods are recommended as protection for spans greater than 300 ft. (91 m). Manufactured from either aluminum alloy, Alumoweld®, or galvanized steel, they are designed for use
with ACSR, AAC, AAAC, ACSS, SSAC, TW Types and ACAR conductors as well as Alumoweld® and steel ground wire. All rod sets are manufactured with right-hand lay as standard for aluminum-based material and left hand lay for Alumoweld and steel ground wire.



Features

Color Coded and Center Marked

For ease of identification to conductor size, the armor rods are color coded in the center of the rod. This feature also assists in alignment of the rods during installation.

Repair Damage

When no more than 50% of the outside strands on an ACSR or aluminum conductor have been damaged outside the support point, armor rods may be used to restore 100% of the rated conductance and strength of the line.

Vibration Protection

Installing armor rods improves the conductor's ability to withstand the fatigue forces associated with aeolian type vibration. They do not function as vibration control devices. For assistance in determining the proper vibration protection, contact the AFL Technical Support Team or visit our website at www.Vibrec.com.

Tap Over

Armor rods may be tapped over on ACSR and aluminum conductor, but not on Alumoweld, or steel ground wire. Where tapping is used, it is strongly recommended that the conductor is thoroughly wire brushed and an oxide inhibitor be applied.

Extra High Voltage Applications

For 345 kV and above, the armor rod ends are modified to eliminate Corona effects and include a suffix of 'EHV' at the end of the AFL part number.

Customized Armor Rods

For armor rods with special requirements, such as longer lengths or non-standard lay direction contact the AFL Technical Support Team at 1-800-866-7385.

Ordering Information

Configuration		Material		Basic Unit		Numeric Range		Voltage Range
@	—	@@	—	AR	—	###	—	@@@
Blank - Single Support D - Double Support		A - Aluminum AW - Alumoweld S - Galvanized Steel		Series Designation		Numeric Range Code (from catalog)		Blank - < 345 kV EHV - ≥ 345 kV

Example: For single 795 26/7, Aluminum conductor diameter of 1.099 to 1.139 inches and Extra High Voltage, the complete catalog number is: **AAR279EHV**

continued

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Ordering Information - Armor Rods

AFL NO.	Conductor Diameter Range		Nominal Cable Size	Rod Dia. (inches)	Quantity in Set	Color Code	Rod Length (inches)	Packaging per box	
	Min. (inches)	Max. (inches)						Units	Weight (lbs)
Aluminum (right hand lay)									
AAR062	0.244	0.259	#4, 6/1, 7/1	0.146	7	Orange	40 (S) 52 (D)	50	25 (S) 32 (D)
AAR066	0.260	0.273	#3, 7W All Aluminum	0.146	7	Green	42 (S) 54 (D)	50	26 (S) 34 (D)
AAR069	0.274	0.289	#3, 7W Aluminum Alloy	0.146	8	Yellow	42 (S) 54 (D)	50	30 (S) 38 (D)
AAR073	0.290	0.308	#2, 7W All Aluminum	0.146	8	Purple	42 (S) 54 (D)	50	30 (S) 38 (D)
AAR078	0.309	0.326	#2, 6/1, 7/1	0.136	9	Red	44 (S) 56 (D)	50	32 (S) 40 (D)
AAR083	0.327	0.346	#1, 7W All Aluminum	0.146	9	Blue	46 (S) 58 (D)	50	38 (S) 46 (D)
AAR088	0.347	0.366	#1, 6/1	0.146	9	Green	48 (S) 60 (D)	50	40 (S) 49 (D)
AAR093	0.367	0.389	1/0, 7W All Aluminum	0.146	10	Black	50 (S) 62 (D)	50	45 (S) 55 (D)
AAR099	0.390	0.413	1/0, 6/1	0.167	9	Yellow	52 (S) 64 (D)	50	55 (S) 67 (D)
AAR105	0.414	0.436	3/0, 7W Comp.	0.146	10	Brown	52 (S) 64 (D)	50	48 (S) 58 (D)
AAR111	0.437	0.463	2/0, 6/1	0.167	10	Blue	54 (S) 66 (D)	50	64 (S) 76 (D)
AAR118	0.464	0.490	3/0, 7W-19W All Aluminum	0.167	10	Green	54 (S) 66 (D)	50	64 (S) 76 (D)
AAR124	0.491	0.521	3/0, 6/1	0.167	11	Orange	56 (S) 68 (D)	25	37 (S) 46 (D)
AAR132	0.522	0.551	4/0, 7W-19W All Aluminum	0.167	11	Black	58 (S) 70 (D)	25	38 (S) 46 (D)
AAR140	0.552	0.585	4/0, 6/1	0.182	11	Red	60 (S) 72 (D)	25	46 (S) 55 (D)
AAR149	0.586	0.606	266.8, 19W	0.182	12	Black	62 (S) 74 (D)	25	52 (S) 61 (D)
AAR154	0.607	0.630	266.8, 18/1	0.182	12	Purple	64 (S) 76 (D)	25	54 (S) 63 (D)
AAR160	0.631	0.655	266.8, 26/7	0.182	12	Yellow	64 (S) 76 (D)	25	54 (S) 63 (D)
AAR166	0.656	0.679	336.4, 19W	0.182	13	Brown	66 (S) 78 (D)	18	43 (S) 51 (D)
AAR172	0.680	0.703	300, 26/7	0.204	12	Blue	68 (S) 80 (D)	18	52 (S) 60 (D)
AAR179	0.704	0.740	336.4, 26/7	0.204	12	Green	72 (S) 84 (D)	18	54 (S) 64 (D)
AAR188	0.741	0.782	397.5 18/1	0.204	13	Orange	72	18	50
AAR199	0.783	0.814	397.5 26/7	0.250	11	Purple	76	15	66
AAR207	0.815	0.845	636 19W	0.250	11	Red	76	15	66
AAR215	0.846	0.907	477 26/7	0.250	12	Blue	78	15	74
AAR230	0.908	0.929	636 37W	0.250	13	Green	80	12	55
AAR236	0.930	0.976	605 26/7	0.250	13	White	88	12	60
AAR248	0.977	1.016	636 26/7	0.310	11	Yellow	92	6	55
AAR258	1.017	1.035	795 37W-61W	0.310	12	Brown	94	6	45
AAR263	1.036	1.064	715.5 26/7	0.310	12	Blue	96	6	46
AAR270	1.065	1.098	795 24/7	0.310	12	Green	96	6	46
AAR279	1.099	1.139	795 26/7	0.310	12	Orange	100	6	51
AAR289	1.140	1.161	954 36/1	0.310	13	Purple	100	6	52
AAR295	1.162	1.208	1003.5 37W-61W	0.310	13	Red	100	6	57
AAR307	1.209	1.269	1113 45/7	0.365	12	Black	100	6	67

continued

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Ordering Information - Armor Rods (cont.)

AFL NO.	Conductor Diameter Range		Nominal Cable Size	Rod Dia. (inches)	Quantity in Set	Color Code	Rod Length (inches)	Packaging per box	
	Min. (inches)	Max. (inches)						Units	Weight (lbs)
Aluminum (right hand Lay)									
AAR322	1.270	1.327	1192.5 45/7	0.365	12	White	100	6	67
AAR337	1.328	1.390	1272 45/7	0.365	13	Yellow	100	3	45
AAR353	1.391	1.440	1431 45/7	0.436	11	Brown	100	3	54
AAR366	1.441	1.508	1590 45/7	0.436	12	Blue	100	3	58
AAR383	1.509	1.578	1590 54/19	0.436	12	Green	100	3	58
AAR401	1.579	1.651	1780 84/19	0.436	13	Orange	100	3	60
AAR419	1.652	1.728	—	0.436	13	Purple	100	3	60
AAR439	1.729	1.809	2156 84/19	0.436	14	Red	100	3	64
AAR459	1.810	1.898	2500 91W	0.436	14	Black	100	3	64
AAR482	1.899	1.991	—	0.436	15	White	100	3	74
AAR506	1.992	2.090	—	0.436	15	Yellow	100	3	74
AAR531	2.091	2.193	—	0.436	15	Brown	100	3	82
Galvanized Steel (left hand Lay)									
SAR058	0.229	0.243	1/4, 7 WIRE	0.086	10	Black	40	50	38
SAR062	0.244	0.259	1/4, 3 WIRE	0.086	10	Yellow	40	50	38
SAR078	0.309	0.326	5/16, 3 OR 7 WIRE	0.100	11	Black	44	50	60
SAR088	0.347	0.373	3/8, 3 OR 7 WIRE	0.100	12	Orange	48	50	70
SAR105	0.414	0.436	7/16, 3 OR 7 WIRE	0.119	12	Green	52	20	54
SAR124	0.491	0.521	1/2, 7 OR 19 WIRE	0.138	12	Blue	56	20	64
Alumoweld® (Left Hand Lay)									
AWAR043	0.169	0.178	3 #12 AW	0.102	7	Orange	40 (S) 52 (D)	50	31 (S) 40 (D)
AWAR050	0.196	0.207	3 # 11 AW	0.102	7	Black	40 (S) 52 (D)	50	31 (S) 40 (D)
AWAR055	0.218	0.225	3 # 10 AW, 4M AW	0.102	8	Green	40 (S) 52 (D)	50	35 (S) 46 (D)
AWAR060	0.237	0.249	7 # 12 AW, 1/4", 6M AW, 3 # 9 AW	0.102	9	Yellow	40 (S) 52 (D)	50	39 (S) 51 (D)
AWAR067	0.264	0.277	7 # 11 AW, 9/32", 8M AW, 3 # 8 AW	0.114	9	Blue	42 (S) 54 (D)	25	27 (S) 35 (D)
AWAR075	0.296	0.314	7 # 10 AW, 5/16", 10M AW, 3 # 7 AW	0.114	9	Black	46 (S) 58 (D)	25	29 (S) 37 (D)
AWAR085	0.334	0.352	7 # 9 AW, 11/31", 12.5M AW, 3 # 6 AW	0.114	10	Yellow	50 (S) 62 (D	25	33 (S) 44 (D)
AWAR095	0.373	0.392	7 # 8 AW, 3/8", 3 # 5 AW	0.128	10	Orange	50 (S) 62 (D	25	44 (S) 54 (D)
AWAR104	0.409	0.425	18M AW	0.128	11	Black	54 (S) 66 (D)	25	52 (S) 62 (D)
AWAR108	0.426	0.450	7 # 7 AW, 7/16", 20M AW	0.128	12	Green	56 (S) 68 (D)	25	59 (S) 70 (D)
AWAR121	0.477	0.504	7 # 6 AW, 1/2"	0.144	11	Blue	56 (S) 68 (D)	20	52 (S) 65 (D)
AWAR136	0.535	0.565	7 # 5 AW, 9/16"	0.162	12	Yellow	60 (S) 72 (D)	10	39 (S) 48 (D)
AWAR150	0.593	0.625	7 # 4 AW, 5/8"	0.183	11	Black	60 (S) 72 (D)	10	59 (S) 56 (D)

End Finish of Rods:

1. Chamfered ends - standard on diameters up to 0.250"
2. Ball ends - standard on diameters greater than 0.250"
3. Tapered ends for EHV - designated by suffix 'EHV'
4. For double armor rods, contact the AFL Technical Support Team

continued

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Specifications are subject to change without notice.

Armor Rods Cross Reference

Single		
Aluminum		
AFL NO.	Dulmison®	PLP®*
AAR062	AAR 0620	AR-0110
AAR066	AAR 0660	AR-0111
AAR069	AAR 0695	AR-0112
AAR073	AAR 0735	AR-0113
AAR078	AAR 0785	AR-0114
AAR083	AAR 0830	AR-0115
AAR088	AAR 0880	AR-0116
AAR093	AAR 0930	AR-0117
AAR099	AAR 0990	AR-0118
AAR105	AAR 1050	AR-0119
AAR111	AAR 1110	AR-0120
AAR118	AAR 1180	AR-0121
AAR124	AAR 1245	AR-0122
AAR132	AAR 1325	AR-0123
AAR140	AAR 1400	AR-0124
AAR149	AAR 1490	AR-0125
AAR154	AAR 1540	AR-0126
AAR160	AAR 1605	AR-0127
AAR166	AAR 1665	AR-0128
AAR172	AAR 1725	AR-0129
AAR179	AAR 1790	AR-0130
AAR188	AAR 1880	AR-0131
AAR199	AAR 1990	AR-0132
AAR207	AAR 2070	AR-0133
AAR215	AAR 2150	AR-0134
AAR230	AAR 2305	AR-0135
AAR236	AAR 2360	AR-0136
AAR248	AAR 2480	AR-0137
AAR258	AAR 2585	AR-0138
AAR263	AAR 2630	AR-0139
AAR270	AAR 2705	AR-0140
AAR279	AAR 2790	AR-0141
AAR289	AAR 2895	AR-0142
AAR295	AAR 2950	AR-0143
AAR307	AAR 3070	AR-0144
AAR322	AAR 3225	AR-0145
AAR337	AAR 3375	AR-0146
AAR353	AAR 3535	AR-0147
AAR366	AAR 3660	AR-0163
AAR383	AAR 3835	AR-0164
AAR401	AAR 4010	AR-0165
AAR419	AAR 4195	AR-0166
AAR439	AAR 4390	AR-0167
AAR459	AAR 4595	AR-0168
AAR482	AAR 4825	AR-0169
AAR506	AAR 5060	AR-0170
AAR531	AAR 5310	AR-0171

Single		
Aluminum (cont.)		
AFL NO.	Dulmison®	PLP®*
AAR248EHV	—	AR-0500
AAR258EHV	—	AR-0501
AAR263EHV	—	AR-0502
AAR270EHV	—	AR-0503
AAR279EHV	—	AR-0504
AAR289EHV	—	AR-0505
AAR295EHV	—	AR-0506
AAR307EHV	—	AR-0507
AAR322EHV	—	AR-0508
AAR337EHV	—	AR-0509
AAR353EHV	—	AR-0510
AAR366EHV	—	AR-0511
AAR383EHV	—	AR-0512
AAR401EHV	—	AR-0513
AAR419EHV	—	AR-0514
AAR439EHV	—	AR-0516
AAR459EHV	—	AR-0517
AAR482EHV	—	AR-0518
AAR506EHV	—	AR-0519
AAR531EHV	—	AR-0520
Galvanized Steel		
SAR058	SAR 0580	AR-1123
SAR062	SAR 0620	AR-1124
SAR078	SAR 0785	AR-1128
SAR088	SAR 0880	AR-1130
SAR105	SAR 1050	AR-1133
SAR124	SAR 1245	AR-1136
Alumoweld®		
AWAR043	AWAR 0430	AR-2113
AWAR050	AWAR 0500	AR-2116
AWAR055	AWAR 0555	AR-2118
AWAR060	AWAR 0600	AR-2120
AWAR067	AWAR 0670	AR-2122
AWAR075	AWAR 0750	AR-2124
AWAR085	AWAR 0850	AR-2126
AWAR095	AWAR 0950	AR-2128
AWAR104	AWAR 1040	AR-2130
AWAR108	AWAR 1080	AR-2131
AWAR121	AWAR 1210	AR-2133
AWAR136	AWAR 1360	AR-2135
AWAR150	AWAR 1505	AR-2137

Double		
Aluminum		
AFL NO.	Dulmison®	PLP®*
DAAR062	DAAR 0620	AR-0310
DAAR066	DAAR 0660	AR-0311
DAAR069	DAAR 0695	AR-0312
DAAR073	DAAR 0735	AR-0313
DAAR078	DAAR 0785	AR-0314
DAAR083	DAAR 0830	AR-0315
DAAR088	DAAR 0880	AR-0316
DAAR093	DAAR 0930	AR-0317
DAAR099	DAAR 0990	AR-0318
DAAR105	DAAR 1050	AR-0319
DAAR111	DAAR 1110	AR-0320
DAAR118	DAAR 1180	AR-0321
DAAR124	DAAR 1245	AR-0322
DAAR132	DAAR 1325	AR-0323
DAAR140	DAAR 1400	AR-0324
DAAR149	DAAR 1490	AR-0325
DAAR154	DAAR 1540	AR-0326
DAAR160	DAAR 1605	AR-0327
DAAR166	DAAR 1665	AR-0328
DAAR172	DAAR 1725	AR-0329
DAAR179	DAAR 1790	AR-0342
Alumoweld®		
DAWAR043D	DAWAR 0430	AR-2313
DAWAR050D	DAWAR 0500	AR-2316
DAWAR055D	DAWAR 0555	AR-2318
DAWAR060D	DAWAR 0600	AR-2320
DAWAR067D	DAWAR 0670	AR-2322
DAWAR075D	DAWAR 0750	AR-2324
DAWAR085D	DAWAR 0850	AR-2326
DAWAR095D	DAWAR 0950	AR-2328
DAWAR104D	DAWAR 1040	AR-2330
DAWAR108D	DAWAR 1080	AR-2331
DAWAR121D	DAWAR 1210	AR-2333
DAWAR136D	DAWAR 1360	AR-2335
DAWAR150D	DAWAR 1505	AR-2337

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Line Guards

Line guards are designed to protect the conductor by reducing bending, compression, and abrasion at the support point, particularly where hand-ties are used. Line guards are recommended as protection for spans of less than 300 ft. (91 m). Manufactured from aluminum alloy, they are designed for use with ACSR, AAC, AAAC, ACSS, SSAC, TW Types and ACAR conductors. All guard sets are manufactured with right-hand lay as standard.



Features

Color Coded and Center Marked

For ease of identification to conductor size, the line guards are color coded in the center of the rod. This feature also assists in alignment of the rods during installation.

Repair Damage

When no more than 25% of the outside strands on an ACSR or aluminum conductor have been damaged outside the support area, line guards may be used to restore 100% of the rated conductance and strength of the line. Do not use line guards for repair at the support point.

Tap Over

Line guards may be tapped over on ACSR and aluminum conductor. Where tapping is used, it is strongly recommended that the conductor be thoroughly wire brushed and an oxide inhibitor be applied.

Extra High Voltage Applications

For 345 kV and above, the line guards ends are modified to eliminate Corona effects and include a suffix of 'EHV' at the end of the product number.

Customized Line Guards

For line guards with special requirements, such as longer lengths or non-standard lay direction contact the AFL Technical Support Team at 1.800.866.7385.

Ordering Information

Configuration		Material		Basic Unit		Numeric Range		Voltage Range
@	—	@@	—	LG	—	###	—	@@@
Blank - Single Support D - Double Support		A - Aluminum		Series Designation		Numeric Range Code (from catalog)		Blank - < 345 kV EHV - ≥ 345 kV

Example: For single 795 26/7, Aluminum conductor diameter of 1.099 to 1.139 inches and Extra High Voltage, the complete catalog number is: **ALG279EHV**

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Ordering Information—Line Guards

AFL NO.	Conductor Diameter Range		Nominal Cable Size	Rod Diameter (inches)	Qty of Set	Color Code	Rod length (inches)	Packaging per box	
	Min. (inches)	Max. (inches)						Units	Weight (lbs)
ALG046	0.182	0.193	#6, 7W All Aluminum	0.102	7	Purple	17 (S) 29 (D)	100	12 (S) 19 (D)
ALG049	0.194	0.207	#6, 7W Aluminum Alloy	0.102	7	Blue	17 (S) 29 (D)	100	12 (S) 19 (D)
ALG056	0.220	0.228	#5, 6/1	0.121	7	White	17 (S) 29 (D)	100	16 (S) 26 (D)
ALG058	0.229	0.243	#4, 7W All Aluminum	0.121	8	Brown	19 (S) 31 (D)	100	20 (S) 32 (D)
ALG062	0.244	0.259	#4, 6/1, 7/1	0.121	8	Orange	19 (S) 31 (D)	100	20 (S) 32 (D)
ALG066	0.260	0.273	#3, 7W All Aluminum	0.121	8	Green	19 (S) 31 (D)	100	20 (S) 32 (D)
ALG069	0.274	0.289	#3, 7W Aluminum Alloy	0.121	9	Yellow	21 (S) 33 (D)	100	25 (S) 38 (D)
ALG073	0.290	0.308	#2, 7W All Aluminum	0.121	9	Purple	21 (S) 33 (D)	100	25 (S) 38 (D)
ALG078	0.309	0.326	#2, 6/1, 7/1	0.121	9	Red	21 (S) 33 (D)	100	25 (S) 38 (D)
ALG083	0.327	0.346	#1, 7W All Aluminum	0.121	10	Blue	21 (S) 33 (D)	100	28 (S) 42 (D)
ALG088	0.347	0.366	#1, 6/1	0.121	10	Green	23 (S) 35 (D)	100	30 (S) 44 (D)
ALG093	0.367	0.389	1/0, 7W All Aluminum	0.121	11	Black	23 (S) 35 (D)	100	32 (S) 46 (D)
ALG099	0.390	0.413	1/0, 6/1	0.121	11	Yellow	25 (S) 37 (D)	100	35 (S) 50 (D)
ALG105	0.414	0.436	3/0, 7W-19W Comp.	0.121	12	Brown	25 (S) 37 (D)	50	20 (S) 29 (D)
ALG111	0.437	0.463	2/0, 6/1, 7/1	0.121	13	Blue	27 (S) 39 (D)	50	23 (S) 32 (D)
ALG118	0.464	0.490	3/0, 7W-19W	0.121	13	Green	27 (S) 39 (D)	50	24 (S) 32 (D)
ALG124	0.491	0.521	3/0, 6/1	0.121	14	Orange	29 (S) 41 (D)	50	26 (S) 36 (D)
ALG132	0.522	0.551	4/0, 7W-19W	0.121	14	Black	29 (S) 41 (D)	50	26 (S) 36 (D)
ALG140	0.552	0.585	4/0 6/1	0.121	15	Red	31 (S) 43 (D)	50	30 (S) 40 (D)
ALG149	0.586	0.606	266.8 19W	0.146	14	Black	31 (S) 43 (D)	50	40 (S) 54 (D)
ALG154	0.607	0.630	266.8 18/1	0.146	14	White	33 (S) 45 (D)	50	42 (S) 57 (D)
ALG160	0.631	0.655	266.8 26/7	0.146	14	Yellow	33 (S) 45 (D)	50	42 (S) 57 (D)

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Ordering Information—Line Guards (cont.)

AFL NO.	Conductor Diameter Range		Nominal Cable Size	Rod Diameter (inches)	Qty of Set	Color Code	Rod length (inches)	Packaging per box	
	Min. (inches)	Max. (inches)						Units	Weight (lbs)
ALG166	0.656	0.679	336.4 19W	0.146	15	Brown	35 (S) 47 (D)	50	48 (S) 62 (D)
ALG172	0.680	0.703	303.714	0.146	15	Blue	35 (S) 47 (D)	50	48 (S) 62 (D)
ALG179	0.704	0.740	336.4 26/7	0.146	16	Green	37 (S) 49 (D)	25	54 (S) 70 (D)
ALG188	0.741	0.792	397.5 18/1, 26/7, 24/7	0.146	17	Orange	39 (S) 51 (D)	25	60 (S) 77 (D)
ALG201	0.793	0.840	477 18/1, 19W, 37W	0.146	18	Purple	39 (S) 51 (D)	25	64 (S) 82 (D)
ALG213	0.841	0.898	477 24/7, 26/7, 30/7	0.146	19	Blue	41 (S) 53 (D)	25	36 (S) 45 (D)
ALG228	0.899	0.954	556.5 24/7, 26/7, 30/7, 19W, 37W	0.167	18	Green	43 (S) 55 (D)	25	46 (S) 58 (D)
ALG242	0.955	0.986	605 26/7, 636	0.182	17	White	45 (S) 57 (D)	25	54 (S) 68 (D)
ALG250	0.987	1.016	636 26/7, 666.6 24/7	0.182	18	Yellow	45 (S) 57 (D)	25	58 (S) 72 (D)
ALG258	1.017	1.064	715.5 26/7, 24/7, 795 37W, 61W	0.182	18	Brown	47 (S) 59 (D)	25	60 (S) 74 (D)
ALG270	1.065	1.098	874.5 37W, 61W	0.204	17	Green	49 (S) 61 (D)	15	44 (S) 25 (D)
ALG279	1.099	1.153	795 26/7, 30/19	0.250	15	Orange	49 (S) 61 (D)	15	58 (S) 72 (D)
ALG293	1.154	1.208	954 45/7, 54/7	0.250	15	Purple	51 (S) 63 (D)	15	62 (S) 75 (D)
ALG307	1.209	1.268	1192.5 61W	0.250	16	Black	53 (S) 65 (D)	15	68 (S) 82 (D)
ALG322	1.269	1.327	1192.5 45/7	0.250	17	White	53 (S) 65 (D)	10	48 (S) 58 (D)
ALG337	1.328	1.390	1351.5 61W, 1272 45/7, 54/19	0.250	17	Yellow	55 (S) 67 (D)	10	50 (S) 60 (D)
ALG353	1.391	1.440	1431 45/7	0.310	15	Brown	57 (S) 69 (D)	5	36 (S) 44 (D)
ALG366	1.441	1.508	1431 54/19	0.310	16	Blue	59 (S) 71 (D)	5	40 (S) 48 (D)
ALG383	1.509	1.578	1590 54/19, 1750 61W	0.310	16	Green	61 (S) 73 (D)	5	42 (S) 49 (D)
ALG401	1.579	1.651	1780 84/19	0.310	17	Orange	63 (S) 75 (D)	5	43 (S) 53 (D)
ALG419	1.652	1.728	2034 72/7	0.365	15	Purple	65 (S) 77 (D)	5	54 (S) 66 (D)
ALG439	1.729	1.890	2156 84/19	0.365	16	Red	67 (S) 79 (D)	5 (S) 3 (D)	55 (S) 45 (D)

End Finish of Rods:

1. Chamfered ends - standard on diameters up to 0.250". **2.** Ball ends - standard on diameters greater than 0.250". **3.** Tapered ends for EHV - designated by suffix 'EHV'.

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Line Guards Cross Reference

Single Aluminum		
AFL NO.	Dulmison®	PLP®*
ALG046	ALG0460	MG-0122
ALG049	ALG0490	MG-0123
ALG056	ALG0560	MG-0125
ALG058	ALG0580	MG-00126
ALG062	ALG0620	MG-0127
ALG066	ALG0660	MG-0128
ALG069	ALG0690	MG-0129
ALG073	ALG0730	MG-0130
ALG078	ALG0780	MG-0131
ALG083	ALG0830	MG-0132
ALG088	ALG0880	MG-0133
ALG093	ALG0930	MG-0134
ALG099	ALG0990	MG-0135
ALG105	ALG1050	MG-0136
ALG111	ALG1110	MG-0137
ALG118	ALG1180	MG-0138
ALG124	ALG1240	MG-0139
ALG132	ALG1320	MG-0143
ALG140	ALG 1400	MG-0141
ALG149	ALG 1490	MG-0142
ALG154	ALG 1540	MG-0143
ALG160	ALG 1605	MG-0144
ALG166	ALG 1665	MG-0145
ALG172	ALG 1725	MG-0146
ALG179	ALG 1790	MG-0147
ALG188	ALG 1880	MG-0148
ALG201	ALG 2015	MG-0149
ALG213	ALG 2135	MG-0150
ALG228	ALG 2285	MG-0151
ALG242	ALG 2425	MG-0152
ALG250	ALG 2505	MG-0153
ALG258	ALG 2585	MG-0154
ALG270	ALG 2705	MG-0155
ALG279	ALG 2790	MG-0156
ALG293	ALG 2930	MG-0157

Single Aluminum		
AFL NO.	Dulmison®	PLP®*
ALG307	ALG 3070	MG-0158
ALG322	ALG 3225	MG-0159
ALG337	ALG 3375	MG-0160
ALG353	ALG 3535	MG-0161
ALG366	ALG 3660	MG-0162
ALG383	ALG 3835	—
ALG401	ALG 4010	—
ALG419	ALG4195	—
ALG439	ALG 4390	—

Double Aluminum		
AFL NO.	Dulmison®	PLP®*
DALG046	DALG0460	MG-0305
DALG049	DALG0490	MG-0306
DALG056	DALG0560	MG-0308
DALG058	DALG0580	MG-0309
DALG062	DALG0620	MG-0310
DALG066	DALG0660	MG-0311
DALG069	DALG0690	MG-0312
DALG073	DALG0730	MG-0313
DALG078	DALG0780	MG-0314
DALG083	DALG0830	MG-0315
DALG088	DALG0880	MG-0316
DALG093	DALG0930	MG-0317
DALG099	DALG0990	MG-0318
DALG105	DALG1050	MG-0319
DALG111	DALG1110	MG-0320
DALG118	DALG1180	MG-0321
DALG124	DALG1240	MG-0322
DALG132	DALG1320	MG-0324
DALG140	DALG 1400	MG-0324
DALG149	DALG 1490	MG-0325
DALG154	DALG1540	MG-0326
DALG160	DALG 1605	MG-0327
DALG166	DALG 1665	MG-0328
DALG172	DALG 1725	MG-0329

Double Aluminum		
AFL NO.	Dulmison®	PLP®*
DALG179	DALG 1790	MG-0330
DALG188	DALG 1880	MG-0331
DALG201	DALG 2015	MG-0332
DALG213	DALG 2135	MG-0333
DALG228	DALG 2285	MG-0334
DALG242	DALG 2425	MG-0335
DALG250	DALG 2505	MG-0336
DALG258	DALG 2585	MG-0337
DALG270	DALG 2705	MG-0338
DALG279	DALG 2790	MG-0339
DALG293	DALG 2930	MG-0340
DALG307	DALG 3070	MG-0341
DALG322	DALG 3225	MG-0342
DALG337	DALG 3375	MG-0343
DALG353	DALG 3535	MG-0344
DALG366	DALG 3660	MG-0345
DALG383	DALG 3835	—
DALG401	DALG 4010	—
DALG419	DALG4195	—
DALG439	DALG 4390	—

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Table of Contents

Suspension Products Pictorial Index 478
HIBUS® Suspension for Conductors. 479

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Pictorial Index

SUSPENSION PRODUCTS

HIBUS® Suspensions for Conductors
pg. 479



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HIBUS® Suspension for Conductors

The HIBUS clamp is designed to reduce static and dynamic stress at the attachment point on transmission conductors without the use of armor rods or line guards. Rated for 250°C operation, the HIBUS clamp has a specially formulated bushing material for high temperature conductors. The hinged concept on the suspension configuration provides self-alignment of the housing halves. All hardware is captive except for the mounting pin.

Test results have shown that the unique bushing system significantly reduces the bending strain level produced by the effects of Aeolian vibration as compared to standard clamps using armor rods or line guards. This proven level of performance eliminates the need for any type of attachment using rods. Test reports available include corona test, high temperature profile, standard and high temperature slip, ultimate strength, and catastrophic conductor failure impact strength.



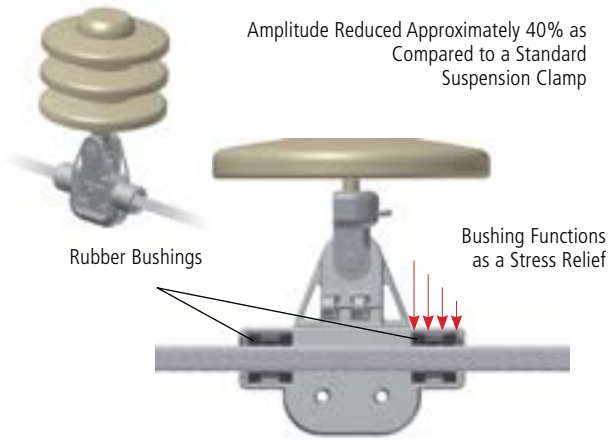
Features

- Suitable for all ACSR and ACSS conductors
- Self-aligning housing halves
- Stress relief bushings reduce bending strain 40%
- Aluminum clamp body with captive stainless steel mounting bolts
- Galvanized steel mounting pin with two washers and cotter pin for added security
- Optional bolt, nut, and cotter pin (“BNC” suffix) available on some sizes. Contact AFL for availability.
- Optional Live-line Attachment Tool available
- Line angles up to 30° for single unit, up to 60° for two units
- Rated for 500 kV applications
- Rated for 250°C high temperature applications (with special bushings)

Components



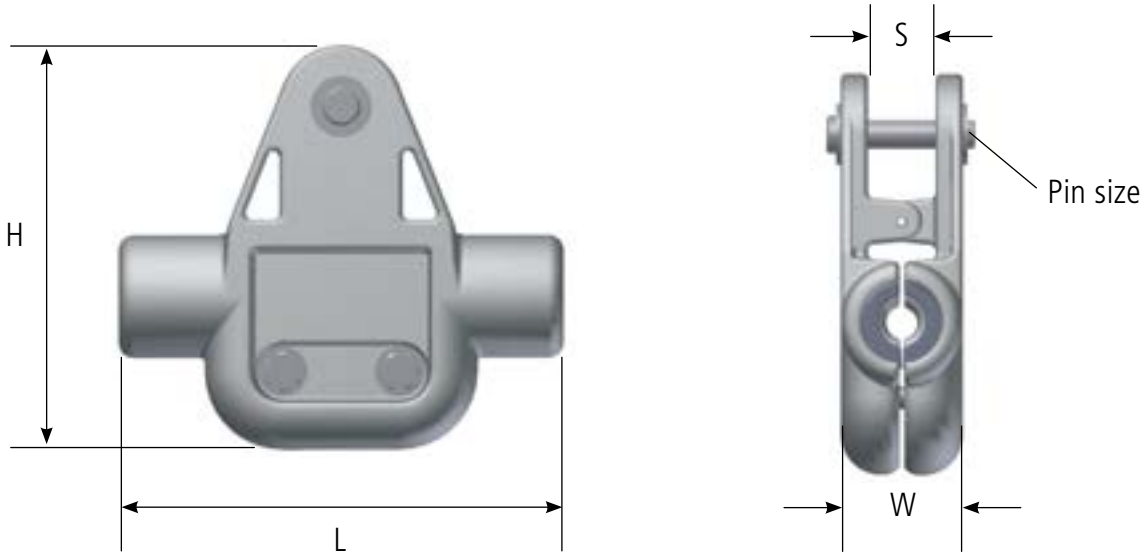
Configuration



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1 (800) 866-7385

HIBUS® Suspension for Conductors (cont.)



Standard Conductors—ACSR, AAC, AAAC, ACAR
HiTemp® Conductors—ACSS, HS285

AFL NO.		RANGE (in.)		RANGE (mm)		LENGTH (L)	HEIGHT (H)	WIDTH (W)	CLEVIS WIDTH (S)	WEIGHT (lbs)	VERT. LOAD RATING (lbs)	PIN/BOLT SIZE (in.)
STANDARD	HITEMP®	MIN	MAX	MIN	MAX							
HCS710	HCSHT710	0.710	0.755	18.0	19.2	9.5"	8.6"	2.6"	1.5"	7.5	25,000	0.625" x 3.25"
HCS756	HCSHT756	0.756	0.799	19.2	20.3	9.5"	8.6"	2.6"	1.5"	7.5	25,000	0.625" x 3.25"
HCS800	HCSHT800	0.800	0.842	20.3	21.4	9.5"	8.6"	2.6"	1.5"	7.5	25,000	0.625" x 3.25"
HCS843	HCSHT843	0.843	0.883	21.4	22.4	9.5"	8.6"	2.6"	1.5"	7.5	25,000	0.625" x 3.25"
HCS880	HCSHT880	0.880	0.931	22.4	23.6	9.5"	8.6"	2.6"	1.5"	7.5	25,000	0.625" x 3.25"
HCS932	HCSHT932	0.932	0.980	23.7	24.9	9.5"	8.6"	2.6"	1.5"	7.5	25,000	0.625" x 3.25"
HCS981	HCSHT981	0.981	1.027	24.9	26.1	9.5"	8.8"	2.9"	1.5"	7.8	25,000	0.625" x 3.25"
HCS1028	HCSHT1028	1.028	1.072	26.1	27.2	9.5"	8.8"	2.9"	1.5"	7.8	25,000	0.625" x 3.25"
HCS1073	HCSHT1073	1.073	1.115	27.3	28.3	9.5"	8.8"	2.9"	1.5"	7.8	25,000	0.625" x 3.25"
HCS1116	HCSHT1116	1.116	1.156	28.3	29.4	9.5"	8.8"	2.9"	1.5"	7.8	25,000	0.625" x 3.25"
HCS1157	HCSHT1157	1.157	1.196	29.4	30.4	9.5"	8.8"	2.9"	1.5"	7.8	25,000	0.625" x 3.25"
HCS1197	HCSHT1197	1.197	1.237	30.4	31.4	9.5"	8.8"	2.9"	1.5"	7.8	25,000	0.625" x 3.25"
HCS1238	HCSHT1238	1.238	1.294	31.4	32.9	9.5"	8.8"	2.9"	1.5"	7.8	25,000	0.625" x 3.25"
HCS1295	HCSHT1295	1.295	1.349	32.9	34.3	10.0"	9.6"	3.3"	1.5"	8.1	25,000	0.625" x 3.25"
HCS1350	HCSHT1350	1.350	1.401	34.3	35.6	10.0"	9.6"	3.3"	1.5"	8.1	25,000	0.625" x 3.25"
HCS1402	HCSHT1402	1.402	1.451	35.6	36.9	10.0"	9.6"	3.3"	1.5"	8.1	25,000	0.625" x 3.25"
HCS1452	HCSHT1452	1.452	1.499	36.9	38.1	10.0"	9.6"	3.3"	1.5"	8.1	25,000	0.625" x 3.25"
HCS1500	HCSHT1500	1.500	1.545	38.1	39.2	10.0"	9.6"	3.3"	1.5"	8.1	25,000	0.625" x 3.25"
HCS1546	HCSHT1546	1.546	1.569	39.3	39.9	10.0"	9.6"	3.3"	1.5"	8.1	25,000	0.625" x 3.25"
HCS1570	HCSHT1570	1.570	1.639	39.9	41.6	10.0"	9.6"	3.3"	1.5"	8.1	25,000	0.625" x 3.25"
HCS1640BNC*	HCS1640BNC*	1.640	1.707	41.7	43.4	10.9"	10.4"	3.8"	1.5"	9.7	30,000	0.750" x 4.00"
HCS1708BNC*	HCS1708BNC*	1.708	1.771	43.4	45.0	10.9"	10.4"	3.8"	1.5"	9.7	30,000	0.750" x 4.00"
HCS1772BNC*	HCS1772BNC*	1.772	1.833	45.0	46.6	10.9"	10.4"	3.8"	1.5"	9.7	30,000	0.750" x 4.00"
HCS1834BNC*	HCS1834BNC*	1.834	1.892	46.6	48.1	10.9"	10.4"	3.8"	1.5"	9.7	30,000	0.750" x 4.00"

*** NOTE:** Standard clevis pin not available for these sizes. These sizes come standard with bolt, nut, cotter pin attachment hardware.

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HIBUS® Suspension for Conductors (cont.)

Ordering Information

HCSHT

HCS = HIBUS Series Conductor Suspension
HCSHT = HIBUS Series Conductor Suspension for high temperature applications

1073

Conductor Range Code

LL

Blank = No Live-line Attachment Point
LL = Include Live-line Attachment Point

BNC

Blank = Clevis Pin and Cotter Pin Attachment
BNC = Bolt, Nut, Cotter Pin Attachment

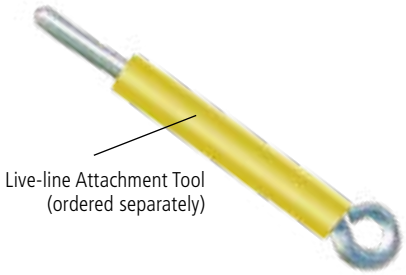
(Note: limited availability for BNC, contact AFL)

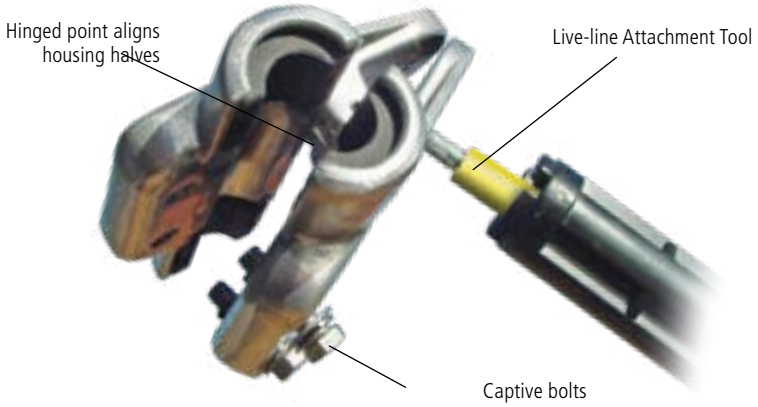
Ordering Example: HCSHT1073LL

HIBUS Series Conductor Suspension, 1.073-1.115 range, rated for 250°C high temperature application and including a Live-line Attachment Point.

Ordering Information—Accessories

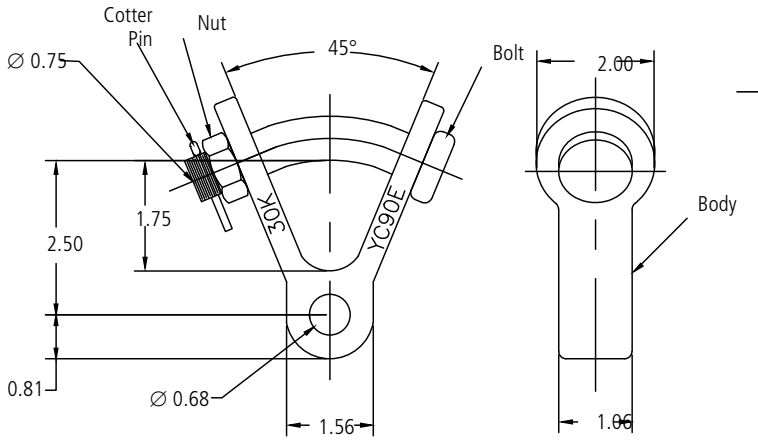
DESCRIPTION	AFL NO.
Live-line Attachment Tool (order separately)	HIBUS-LLT



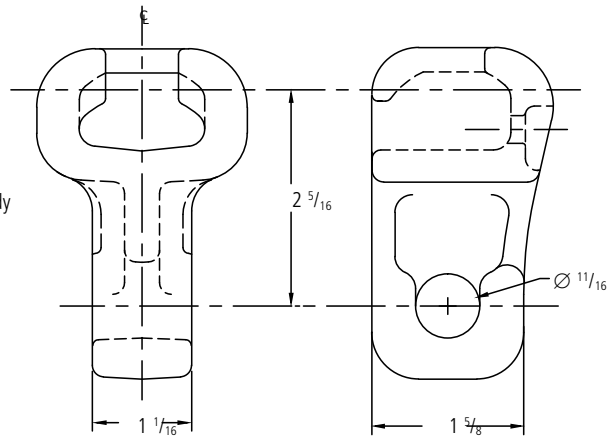


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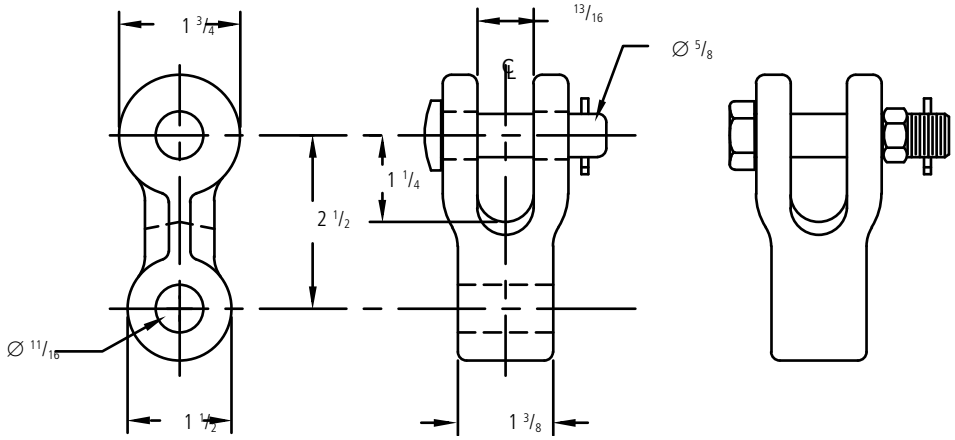
HIBUS Suspension for Conductors—Hardware (cont.)



Y-Clevis Eye 90°
(YC90E)



Standard Socket Eye
(SE)



Standard Clevis Eye
(SCE)

Bolt, Nut,
Cotter Style

Ordering Information

AFL NO.	ULTIMATE STRENGTH (lbs.)	APPROX. WEIGHT EACH (lbs.)	MATERIAL
YC90E-688-1062	30,000	2.7	Body—Ductile Iron Bolt, Nut—Forged Steel Cotter Pin—Stainless Steel
SE-1062	30,000	1.17	Hot Dip Galvanized Ductile Iron
SCE-55-1375	30,000	1.58	Hot Dip Galvanized Ductile Iron

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Table of Contents

Wire Products Pictorial Index 484

Alumoweld®

Introduction 485
Overhead Ground Wire 486
Overhead Ground Wire Physical and Electrical Characteristics 487
Type M Guy Strand 488
Type M Guy Strand Physical Characteristics 489

Copperclad Steel Wire

Copperclad Steel Wire 490
Dead Soft Annealed Copperclad Steel Wire 490
OnyxCCS® Copperclad Steel Wire 490
Selecting the Right Size for the Application 491
DSA Copperclad Steel Wire for Grounding Applications 493
Jacketed Material 495
Copperclad Steel Wire—High Strength/Extra High Strength 496
Copperclad Composite (CCC) Conductors 499
Copperclad Type M Guy Wire 499
Copperclad Part Number Nomenclature 500
Recommended Maximum Footage per Reel 501
Green Spool Specifications 502

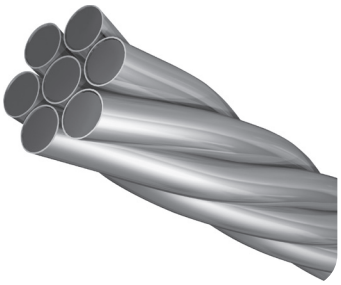
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Pictorial Index

WIRE PRODUCTS

Alumoweld®
Wire & Strand: pg. 485



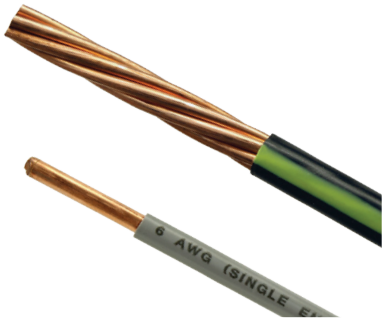
Copperclad
Dead Soft Annealed: pg. 490



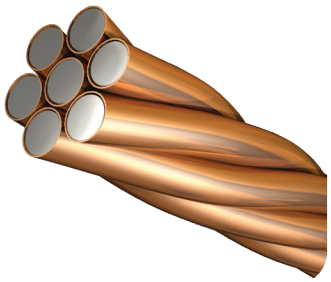
Copperclad
OnyxCCS® Steel Wire: pg. 490



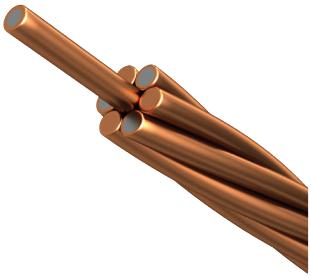
Copperclad
Jacekted Dead Soft Annealed Conductors: pg. 490



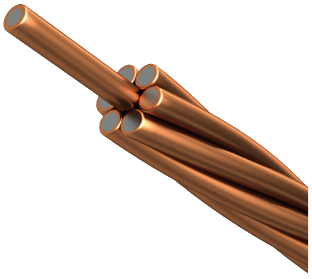
Copperclad
High Strength and Extra High Strength: pg. 496



Copperclad
Composite Conductors: pg. 499



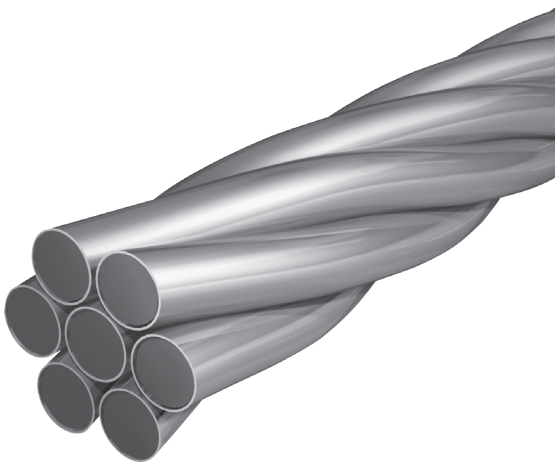
Copperclad
Type M Guy Strand: pg. 499



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Alumoweld® Wire and Strand

Alumoweld wire consists of a thick cladding of pure aluminum over a high-strength steel core. Alumoweld wire offers the advantages of each metal. It is ideal for overhead ground wire, neutral messengers, line wire and guy strand. Alumoweld wire and strand is used by power utilities, as well as formed wire and optical ground wire manufacturers. Alumoweld outlasts other options by as much as 200% in corrosive environments, significantly lowering maintenance and replacement costs. When compared to solid aluminum wire, Alumoweld offers tremendous savings.



How is Alumoweld made?

The Alumoweld process consists of a continuous application of a pure atomized aluminum powder to a high strength steel rod. Proper control of heat and pressure refines the cladding and develops a controlled atomic weld. The resulting bimetallic rod is then cold drawn into finished wire sizes without changing original proportions of aluminum and steel.

Features

Thick Aluminum Covering

Alumoweld wire is produced with the concentric aluminum covering comprising 25% of the cross-sectional area, with the aluminum thickness 10% minimum of the wire radius. The high proportion of aluminum offers an excellent degree of electrical conductivity and permanently protects the high strength steel core.

High Conductivity

Compared to solid aluminum wire of the same diameter, Alumoweld wire has a direct current conductance of 33%. It has about three times the conductivity of galvanized steel wire. For high frequency currents where "skin effect" is a factor, the conductivity of Alumoweld wire approaches 100% of solid aluminum. When Alumoweld wires are combined with aluminum wires in composite conductors, a wide range of strength and conductivity characteristics is possible.

Corrosion Resistance

The thick aluminum cladding of Alumoweld wire provides a high degree of corrosion resistance, resulting in longer service life and reduced maintenance. Accelerated laboratory tests exposing Alumoweld wire to various types of corrosive conditions have proven that Alumoweld wires have corrosion resistance comparable to EC grade aluminum. The conditions simulated in the test included industrial, marine and tropical.

Combines High Strength with Low Weight

Alumoweld wire has a higher strength-to-weight ratio than any other wire commonly used on overhead lines. Size for size, it has about the same tensile strength as extra high strength steel wire, but weighs less. It has eight times the strength of solid aluminum wire of the same diameter and only a little more than twice the weight. This high strength-to-weight ratio provides a maximum margin of safety for long-span construction. The strength of Alumoweld's steel core is protected by the thick aluminum covering.

Applications

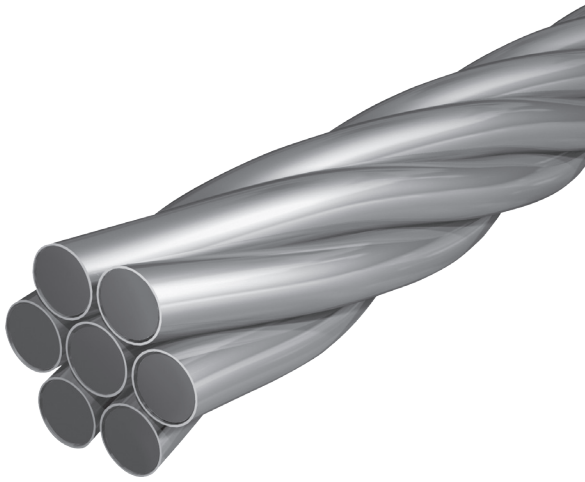
- Utility Market
- Telecommunications Market
- Military
- General Industry Applications

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Alumoweld® Overhead Ground Wire

Alumoweld wire and strand are used by power utilities, as well as formed wire and optical ground wire manufacturers. Alumoweld is suitable in corrosive environments, lowering maintenance and replacement costs.



Features

Corrosion Resistance

Alumoweld overhead ground wire has excellent corrosion resistance. Its strength and conductivity remain unchanged in any atmosphere where aluminum is satisfactory, especially those known to be corrosive from industrial or atmospheric conditions.

This assurance against corrosion is obtained through the application of a thick covering of pure aluminum, which provides a substantial barrier of protective metal. The minimum cladding thickness of Alumoweld is 10% of the radius of the wire. The cladding has a continuous, strong metallic bond to the steel core that will not crack or flake.

Strength Comparable to Steel

Alumoweld also provides strength greater than or comparable to other overhead ground wires. For commonly used wire sizes, the tensile strength of the individual wire can approach 200,000 pounds per square inch. When used in a strand for overhead ground wire, this high strength permits greater span lengths, less sag, and heavier loads under storm loading conditions.

Lightweight

Directly related to strength and sag performance is the lighter weight of Alumoweld. This lighter weight, combined with high strength, permits Alumoweld to be installed to the same sags as steel with correspondingly lower tensions and lower stresses on the towers or supporting structures.

Applications

- Overhead ground wire
- Shield wire protecting transmission lines against lightning damage

Alumoweld Strand ASTM B-416

Number & Size of Wires	Nominal Wire Diameter		Nominal Strand Diameter		Breaking Lod		Weight		Resistance		Cross Section	
AWG	in.	mm	in.	mm	lbs	kg	lbs/1000 ft	kg/km	Ohms/1000 ft@68°F	Ohms/ km@20°C	sq. in.	mm²
37 No. 6	0.1620	4.115	1.130	28.80	120,200	54,500	2222.00	3307.0	0.05356	0.1757	0.76264	492.20
37 No. 7	0.1443	3.665	1.010	25.70	100,700	45,690	1762.00	2623.0	0.06754	0.2216	0.60509	390.30
37 No. 8	0.1285	3.264	0.899	22.90	84,200	38,190	1398.00	2080.0	0.08516	0.2794	0.47984	309.50
37 No. 9	0.1144	2.906	0.801	20.30	66,770	30,290	1108.00	1649.0	0.10740	0.3523	0.38032	245.50
37 No.10	0.1019	2.588	0.713	17.90	52,950	24,020	879.00	1308.0	0.13540	0.4443	0.30174	194.70
19 No. 5	0.1819	4.620	0.910	23.10	73,350	33,270	1430.00	2129.0	0.08224	0.2698	0.49438	318.70
19 No. 6	0.1620	4.115	0.810	20.60	61,700	27,990	1134.00	1688.0	0.10370	0.3402	0.39163	252.70
19 No. 7	0.1443	3.665	0.721	18.30	51,730	23,460	899.50	1339.0	0.13080	0.4290	0.31073	200.40

continued

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Alumoweld® Overhead Ground Wire

Alumoweld Strand ASTM B-416 (cont.)

Number & Size of Wires	Nominal Wire Diameter		Nominal Strand Diameter		Breaking Lod		Weight		Resistance		Cross Section	
AWG	in.	mm	in.	mm	lbs	kg	lbs/1000 ft	kg/km	Ohms/1000 ft@68°F	Ohms/ km@20°C	sq. in.	mm²
19 No. 8	0.1285	3.264	0.642	16.30	43,240	19,610	713.50	1062.0	0.16490	0.5409	0.24641	158.90
19 No. 9	0.1144	2.906	0.572	14.50	34,290	15,550	565.80	842.0	0.20790	0.6821	0.19530	126.10
19 No.10	0.1019	2.588	0.509	12.90	27,190	12,330	448.70	667.7	0.26220	0.8601	0.15495	99.96
7 No. 5	0.1819	4.620	0.546	13.90	27,030	12,260	524.90	781.1	0.22640	0.7426	0.18193	117.40
7 No. 6	0.1620	4.115	0.486	12.40	22,730	10,310	416.30	619.5	0.28030	0.9198	0.14435	93.10
7 No. 7	0.1443	3.665	0.433	11.00	19,060	8,645	330.00	491.1	0.35350	1.1600	0.11448	73.87
7 No. 8	0.1285	3.264	0.385	9.78	15,930	7,226	261.80	389.6	0.44580	1.4630	0.09077	58.56
7 No. 9	0.1144	2.906	0.343	8.71	12,630	5,729	207.60	308.9	0.56210	1.8440	0.07198	46.44
7 No.10	0.1019	2.588	0.306	7.76	10,020	4,545	164.70	245.1	0.70880	2.3250	0.05708	36.83
7 No.11	0.0907	2.304	0.272	6.91	7,945	3,604	130.60	194.4	0.89380	2.9320	0.04527	29.21
7 No.12	0.0808	2.052	0.242	6.16	6,301	2,858	103.60	154.2	1.12700	3.6970	0.03590	23.16
3 No. 5	0.1819	4.620	0.392	9.96	12,230	5,547	224.50	334.1	0.51770	1.6990	0.07796	50.32
3 No. 6	0.1620	4.115	0.349	8.87	10,280	4,663	178.10	265.0	0.65280	2.1420	0.06185	39.90
3 No. 7	0.1443	3.665	0.311	7.90	8,621	3,910	141.20	210.1	0.82320	2.7010	0.04905	31.65
3 No. 8	0.1285	3.264	0.277	7.03	7,206	3,269	112.00	166.7	1.03800	3.4060	0.03890	25.10
3 No. 9	0.1144	2.906	0.247	6.26	5,715	2,592	88.81	132.2	1.30900	4.2940	0.03085	19.90
3 No.10	0.1019	2.588	0.220	5.58	4,532	2,056	70.43	104.8	1.65100	5.4150	0.02446	15.78

Alumoweld Strand ASTM B-415

Number & Size of Wires	Nominal Wire Diameter		Nominal Strand Diameter		Breaking Lod		Weight		Resistance		Cross Section	
AWG	in.	mm	in.	mm	lbs	kg	lbs/1000 ft	kg/km	Ohms/1000 ft@68°F	Ohms/ km@20°C	sq. in.	mm²
No. 5	0.1819	4.620	165	116.0	4,290	1,946	74.25	110.5	1.541	5.056	0.02599	16.77
No. 6	0.1620	4.115	175	123.0	3,608	1,637	58.88	87.6	1.943	6.375	0.02062	13.30
No. 7	0.1443	3.665	185	130.1	3,025	1,372	46.69	69.5	2.450	8.038	0.01635	10.55
No. 8	0.1285	3.264	195	137.1	2,529	1,147	37.03	55.1	3.089	10.130	0.01297	8.37
No. 9	0.1144	2.906	195	137.1	2,005	909	29.37	43.7	3.896	12.780	0.01028	6.63
No.10	0.1019	2.588	195	137.1	1,590	721	23.29	34.7	4.912	16.120	0.00816	5.26
No.11	0.0907	2.304	195	137.1	1,261	572	18.47	27.5	6.194	20.320	0.00647	4.17
No.12	0.0808	2.052	195	137.1	1,000	454	14.65	21.8	7.811	25.630	0.00513	3.31

Modulus of Elasticity: Strand 23,000,000; Solid Wire 23,500,000. Coefficient of Linear Expansion: 0.000,007,2 per degree F.
Modulus of Elasticity: Strand 16,200 kg/mm^2; Solid Wire 16,500 kg/mm^2. Coefficient of Linear Expansion: 0.000,013 per degree C.

Qualifications

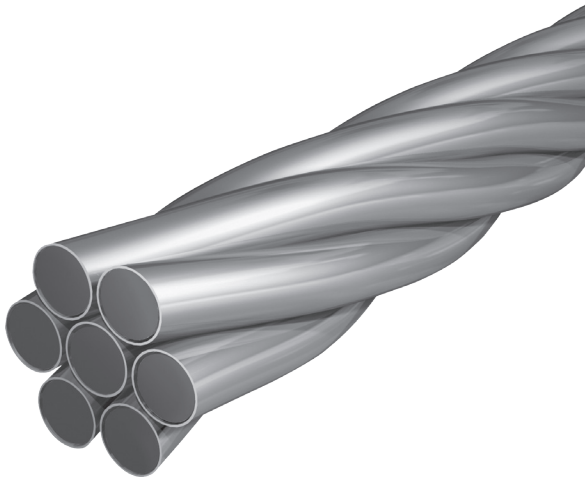
Governing Body	Standard Code	Component
ASTM	B415	Alumium Clad Steel Wire (ACS wire)

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Alumoweld® Type M Guy Strand

Alumoweld Type M Guy Strand is an economical, corrosion resistant guying material for use on overhead line structures. The thick cladding of aluminum on each wire protects the high-strength steel core from rusting and subsequent loss of strength. Costly maintenance is eliminated, and the original safety factor of the guy is maintained throughout the life of the line.



Features

Thick Aluminum Cladding

The Alumoweld wire used to make Type M guy strand is unique in that the aluminum cladding thickness is guaranteed to be no less than 10% minimum of the wire radius. This, a thick corrosion barrier, that is pure aluminum not zinc or an iron-aluminum alloy, protects the steel core.

Another important feature of any coated or clad wire is the bond between the coating material and the base metal. In the case of Alumoweld wire, and aluminum cladding and steel core are joined by a continuous ductile weld. This assures against cracking or separation of the protective aluminum from the steel core.

Lightweight and Convenient

Directly related to strength and sag performance is the lighter weight of Alumoweld Type M Guy Strand. This lighter weight, combined with high strength, permits Alumoweld to be installed to the same sags as steel with correspondingly lower tensions and lower stresses on the towers or supporting structures.

Applications

- Power lines
- Telephone lines
- Railway signals
- Communication lines
- Towers Masts

continued

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Alumoweld® Type M Guy Strand (cont.)

Physical Characteristics

Strand Designation	Nominal Diameter of Strand		Number of Individual Wires	Diameter of Individual Wires		Breaking Load		Weight		Approximate Resistance[2]	
	in.	mm		in.	mm	lbs	kg	lbs/1000 ft	kg/km	Ohms/1000 ft	Ohms/km
2.8M3	0.174	4.42	3	0.081	2.06	2,800	1,270	44	65.47	2.62	8.60
4M3	0.220	5.59	3	0.102	2.59	4,000	1,814	70	104	1.65	5.41
5M3	0.247	6.27	3	0.114	2.90	5,700	2,585	89	132	1.31	4.30
6M	0.242	6.15	7	0.081	2.06	6,000	2,721	104	155	1.13	3.71
7M3	0.277	7.04	3	0.128	3.25	7,200	3,265	112	167	1.04	3.41
8M	0.272	6.91	7	0.091	2.31	8,000	3,629	131	195	0.89	2.92
10M	0.306	7.77	7	0.102	2.59	10,000	4,536	165	246	0.71	2.33
12.5M	0.343	8.71	7	0.114	2.90	12,500	5,670	208	310	0.56	1.84
14M	0.363	9.22	7	0.121	3.07	14,000	6,350	232	345	0.50	1.64
16M	0.386	9.80	7	0.128	3.25	16,000	7,257	262	390	0.45	1.48
18M	0.417	10.60	7	0.139	3.53	18,000	8,164	306	455	0.38	1.25
19M[3]	0.433	11.00	7	0.144	3.67	19,000	8,618	330	491.10	0.35	1.16
20M	0.444	11.30	7	0.148	3.76	20,000	9,072	347	517	0.34	1.12
25M	0.519	13.20	7	0.173	4.39	25,000	11,340	475	707	0.25	0.82

1. Unless otherwise noted, the above guy strands are manufactured per Alumoweld Specification ER-3008.
2. For information only, not for calculation purposes.
3. Per ASTM B-416.

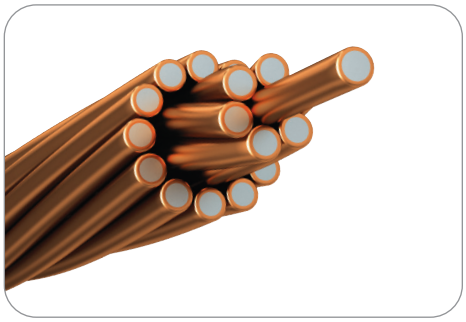
Qualifications

Standard Code	Component
ER-3008	Alumium Clad Steel Wire (ACS wire)

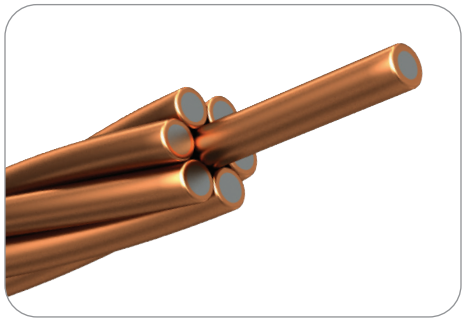
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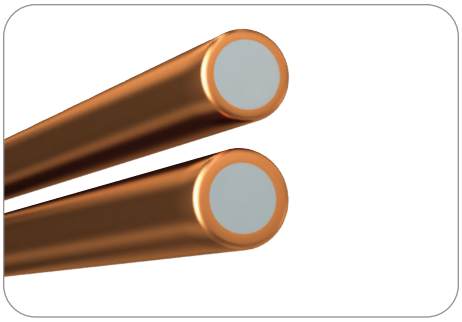
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19-strand Copperclad Steel Wire



7-strand Copperclad Steel Wire



Single strand Copperclad Steel Wire in large and small diameters



OnyxCCS® Copperclad Steel Wire

Copperclad Steel Wire

AFL's Copperclad Steel Wire is the ideal solution for grounding wire for power type applications. Composed of a steel core with coppercladding, the steel wire gives the wire its strength and the consistent layer of copper provides electrical conductivity and resistance to corrosion.

To manufacture Copperclad Steel Wire, carbon steel (low, high strength and extra high strength) is bonded with a uniform layer of oxygen-free coppercladding to achieve 30% and 40% IACS (International Annealed Copper Standard) conductivities. The material is available in a single wire, 3, 7 and 19 cable strands with some sizes jacketed to give the wire a different appearance to copper.

Features

- Demonstrates the same corrosion-resistant properties as copper while maintaining the high strength of steel
- Reduces damage caused during installation or fatigue from vibration or bending
- Special heat treat process results in a very malleable wire called Dead Soft Annealed (DSA)
- Copper permanently bonded to the steel core prevents corrosion of the steel core.
- Very little scrap value, discouraging theft and leaving the grounding system intact
- Compliant with IEEE 80
- Manufactured in accordance with ASTM specifications (B258, B910/B910M, B229, B228, B227)

Dead Soft Annealed Copperclad Steel Wire

Copperclad Steel Wire is a strong, non-rusting, efficient grounding conductor. It is composed of Coppercladding that is permanently bonded to the central steel core of each wire. Copperclad provides the same conductivity and corrosion resistance as copper while maintaining the high strength of steel. Dead Soft Annealed (DSA) Copperclad Steel Wire is very flexible for easy preparation and installation.

When compared to solid copper, Copperclad Steel Wire has faster impedance to ground for better protection of lines and equipment plus a higher resistance to thermal expansion failures. It also reduces the fatigue damage caused by more than 10 times that of annealed solid copper.

Copperclad Steel Wire is an excellent solution for areas with high rates of copper theft as the amount of copper used in the bonding process is minimal—6% to 10% depending on the conductivity. When Copperclad Steel Wire is used in place of copper, the grounding conductor is far less likely to be stolen. This feature is important not only from an economic standpoint, but also from the standpoint of safety and reliability. Often, the fact that a copper downlead has been removed is not evident until a surge current causes a failure in the system.

OnyxCCS® Copperclad Steel Wire

OnyxCCS offers the same benefits as standard Copperclad Steel (CCS) while protecting against copper theft. In addition to the inherent strength of a CCS product, OnyxCCS has a chemically-etched surface treatment which permanently darkens the standard CCS. This process discourages theft of a utility's copper infrastructure and does not compromise mechanical nor electrical properties.

OnyxCCS is offered in all sizes of the AFL Copperclad product line. To order OnyxCCS, the part number pre-fix "CCX" replaces "CCS". EX: **CCX**07074DR1000F

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AFL's Swage Grounding Coupler compressed onto 19-strand Copperclad Steel Wire

Selecting the Right Size for the Application

When selecting a conductor for a ground grid, it must meet the maximum fault current for the identified duration and meet a minimum breaking load as required by the substation design (typically 5,000 pounds). The key to properly sizing copperclad steel wire is the actual fault current requirement. Often copper is physically oversized to gain the physical strength needed in the application. With Copperclad, the physical strength is inherent to the product so the primary consideration is electrical. Table below compares the ampacity ratings of copper and Copperclad Steel Wire which allows the user to visually select the Copperclad equivalent. For example:

Requirements: The equivalent to 4/0 copper per the IEEE Fusing Chart is 19#9 40%. A typical maximum fault current for a distribution substation is ~18 kA at 30 cycles. Most engineers upsize to 4/0 copper in order to meet the mechanical strength requirement.

AFL solution: A 2/0 copper or 7#6 Copperclad Steel Wire conductor will meet this requirement instead of the larger size 4/0 copper commonly used for ground grids. The conductor safety margin for 7#6 Copperclad Steel Wire is 30% and meets the fault current and mechanical strength requirements.

40% CCS Overview

CONDUCTOR SIZE	STRANDS	STRAND DIAMETER		OVERALL DIAMETER		AREA		FAULT CURRENT	WEIGHT/LENGTH		WIRE RESISTANCE		MIN. BREAK LOAD	
AWG		In.	MM	In.	MM	cmil	(mm^2)	Amps at 0.5 Sec.	lbs/kft	kg/km	Ω/kft	Ω/kM	lbf	kgf
19#4	19	0.2043	5.19	1.022	25.95	793,000	401.8	107.28	2251.7	3350.9	0.0338	0.1110	21755	9868
19#5	19	0.1819	4.62	0.910	23.10	628,700	318.6	85.05	1785.0	2656.3	0.0427	0.1400	17246	7823
19#6	19	0.1620	4.11	0.810	20.57	498,600	252.6	67.46	1415.8	2106.9	0.0538	0.1765	13679	6205
19#7	19	0.1443	3.67	0.722	18.33	395,600	200.5	53.52	1123.3	1671.7	0.0678	0.2224	10853	4923
19#8	19	0.1285	3.26	0.643	16.32	313,700	159.0	42.44	890.8	1325.6	0.0855	0.2805	8606	3904
19#9	19	0.1144	2.91	0.572	14.53	248,700	126.0	33.64	706.0	1050.7	0.1079	0.3539	6821	3094
4/0	19	0.1055	2.68	0.528	13.40	211,500	107.2	28.61	600.4	893.6	0.1268	0.4161	5801	2631
19#10	19	0.1019	2.59	0.510	12.94	197,300	100.0	26.69	560.2	833.6	0.1359	0.4460	5412	2455
7#4	7	0.2043	5.19	0.613	15.57	292,200	148.1	39.53	826.3	1229.7	0.0914	0.3000	8015	3635
7#5	7	0.1819	4.62	0.546	13.86	231,600	117.4	31.33	655.0	974.8	0.1153	0.3784	6354	2882
7#6	7	0.1620	4.11	0.486	12.34	183,700	93.1	24.85	519.6	773.2	0.1454	0.4771	5040	2286
7#7	7	0.1443	3.67	0.433	11.00	145,800	73.9	19.72	412.2	613.5	0.1833	0.6013	3998	1814
2/0	7	0.1379	3.50	0.414	10.51	133,100	67.4	18.01	376.5	560.2	0.2007	0.6584	3652	1656
7#8	7	0.1285	3.26	0.386	9.79	115,600	58.6	15.64	326.9	486.5	0.2311	0.7583	3171	1438
1/0	7	0.1228	3.12	0.368	9.35	105,600	53.5	14.28	298.5	444.3	0.2531	0.8303	2896	1313
7#9	7	0.1144	2.91	0.343	8.72	91,610	46.4	12.39	259.1	385.6	0.2916	0.9567	2513	1140
7#10	7	0.1019	2.59	0.306	7.76	72,690	36.8	9.83	205.6	305.9	0.3675	1.2058	1994	904
3#4	3	0.2043	5.19	0.440	11.18	125,200	63.4	16.94	353.4	526.0	0.2129	0.6986	3626	1645
3#5	3	0.1819	4.62	0.392	9.96	99,260	50.3	13.43	280.2	416.9	0.2686	0.8812	2874	1304
3#6	3	0.1620	4.11	0.349	8.86	78,730	39.9	10.65	222.2	330.7	0.3386	1.1110	2280	1034
3#7	3	0.1443	3.67	0.311	7.90	62,470	31.7	8.45	176.3	262.4	0.4268	1.4003	1809	820
3#8	3	0.1285	3.26	0.277	7.04	49,540	25.1	6.70	139.8	208.1	0.5382	1.7658	1434	651
3#9	3	0.1144	2.91	0.247	6.27	39,260	19.9	5.31	110.8	164.9	0.6791	2.2279	1137	516
3#10	3	0.1019	2.59	0.220	5.59	31,150	15.8	4.21	87.9	130.8	0.8559	2.8080	902	409
#2 AWG	7	0.0860	2.18	0.258	6.55	51,770	26.2	7.00	146.4	217.9	0.5160	1.6929	1435	651
#4 AWG	7	0.0680	1.73	0.204	5.18	32,370	16.4	4.38	91.5	136.2	0.8253	2.7078	897	407
#2 AWG	1	0.2576	6.54	0.258	6.54	66,370	33.6	8.98	185.8	276.6	0.3985	1.3075	2023	918
#4 AWG	1	0.2043	5.19	0.204	5.19	41,740	21.2	5.65	116.9	173.9	0.6337	2.0791	1272	577
#6 AWG	1	0.1620	4.12	0.162	4.12	26,250	13.3	3.55	73.5	109.4	1.0076	3.3058	800	363
#8 AWG	1	0.1285	3.26	0.129	3.26	16,510	8.4	2.23	46.2	68.8	1.6018	5.2554	503	228
#9 AWG	1	0.1144	2.91	0.114	2.91	13,090	6.6	1.77	36.6	54.5	2.0210	6.6307	399	181
#10 AWG	1	0.1019	2.59	0.102	2.59	10,380	5.3	1.40	29.1	43.3	2.5473	8.3572	316	144

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30% CCS Overview

CONDUCTOR SIZE	STRANDS	STRAND DIAMETER		OVERALL DIAMETER		AREA		FAULT CURRENT	WEIGHT/LENGTH		WIRE RESISTANCE		MIN. BREAK LOAD	
AWG		In.	MM	In.	MM	cmil	(mm^2)	Amps at 0.5 Sec.	lbs/kft	kg/km	Ω/kft	Ω/kM	lbf	kgf
19#4	19	0.2043	5.19	1.022	25.95	793,000	401.8	92.96	2231.3	3320.5	0.0451	0.1479	24474	11101
19#5	19	0.1819	4.62	0.910	23.10	628,700	318.6	73.70	1768.8	2632.3	0.0569	0.1866	19402	8800
19#6	19	0.1620	4.11	0.810	20.57	498,600	252.6	58.45	1403.0	2087.9	0.0717	0.2352	15389	6980
19#7	19	0.1443	3.67	0.722	18.33	395,600	200.5	46.38	1113.2	1656.6	0.0904	0.2965	12210	5538
19#8	19	0.1285	3.26	0.643	16.32	313,700	159.0	36.78	882.7	1313.6	0.1140	0.3739	9682	4392
19#9	19	0.1144	2.91	0.572	14.53	248,700	126.0	29.15	699.6	1041.2	0.1438	0.4717	7674	3481
4/0	19	0.1055	2.68	0.528	13.40	211,500	107.2	24.79	595.0	885.5	0.1691	0.5547	6526	2960
19#10	19	0.1019	2.59	0.510	12.94	197,300	100.0	23.13	555.1	826.1	0.1812	0.5946	6089	2762
7#4	7	0.2043	5.19	0.613	15.57	292,200	148.1	34.25	818.8	1218.5	0.1219	0.3999	9017	4090
7#5	7	0.1819	4.62	0.546	13.86	231,600	117.4	27.15	649.1	966.0	0.1538	0.5045	7148	3242
7#6	7	0.1620	4.11	0.486	12.34	183,700	93.1	21.54	514.9	766.2	0.1939	0.6360	5670	2572
7#7	7	0.1443	3.67	0.433	11.00	145,800	73.9	17.09	408.5	607.9	0.2443	0.8016	4498	2040
2/0	7	0.1379	3.50	0.414	10.51	133,100	67.4	15.60	373.1	555.2	0.2675	0.8777	4108	1863
7#8	7	0.1285	3.26	0.386	9.79	115,600	58.6	13.55	323.9	482.1	0.3081	1.0108	3567	1618
1/0	7	0.1228	3.12	0.368	9.35	105,600	53.5	12.37	295.8	440.2	0.3374	1.1069	3258	1478
7#9	7	0.1144	2.91	0.343	8.72	91,610	46.4	10.74	256.7	382.1	0.3887	1.2754	2827	1282
7#10	7	0.1019	2.59	0.306	7.76	72,690	36.8	8.52	203.7	303.1	0.4900	1.6075	2243	1017
3#4	3	0.2043	5.19	0.440	11.18	125,200	63.4	14.68	350.2	521.2	0.2838	0.9313	4079	1850
3#5	3	0.1819	4.62	0.392	9.96	99,260	50.3	11.64	277.6	413.2	0.3581	1.1747	3234	1467
3#6	3	0.1620	4.11	0.349	8.86	78,730	39.9	9.23	220.2	327.7	0.4514	1.4811	2565	1163
3#7	3	0.1443	3.67	0.311	7.90	62,470	31.7	7.32	174.7	260.0	0.5690	1.8667	2035	923
3#8	3	0.1285	3.26	0.277	7.04	49,540	25.1	5.81	138.6	206.2	0.7175	2.3540	1614	732
3#9	3	0.1144	2.91	0.247	6.27	39,260	19.9	4.60	109.8	163.4	0.9053	2.9700	1279	580
3#10	3	0.1019	2.59	0.220	5.59	31,150	15.8	3.65	87.1	129.7	1.1410	3.7433	1015	460
#2 AWG	7	0.0860	2.18	0.258	6.55	51,770	26.2	6.07	145.1	215.9	0.6879	2.2568	1614	732
#4 AWG	7	0.0680	1.73	0.204	5.18	32,370	16.4	3.79	90.7	135.0	1.1002	3.6097	1009	458
#2 AWG	1	0.2576	6.54	0.258	6.54	66,370	33.6	7.78	184.2	274.1	0.5313	1.7430	2276	1032
#4 AWG	1	0.2043	5.19	0.204	5.19	41,740	21.2	4.89	115.8	172.4	0.8448	2.7716	1431	649
#6 AWG	1	0.1620	4.12	0.162	4.12	26,250	13.3	3.08	72.8	108.4	1.3432	4.4069	900	408
#8 AWG	1	0.1285	3.26	0.129	3.26	16,510	8.4	1.94	45.8	68.2	2.1354	7.0059	566	257
#9 AWG	1	0.1144	2.91	0.114	2.91	13,090	6.6	1.53	36.3	54.0	2.6942	8.8393	449	204

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DSA Copperclad Steel Wire for Grounding Applications

Wire Specifications

40% CONDUCTIVITY										
CONDUCTOR SIZE	STRANDS	AFL NO.	I2T	NOM. DC RESISTANCE	FAULT CURRENT					
					3 CYCLES	6 CYCLES	9 CYCLES	30 CYCLES	60 CYCLES	120 CYCLES
AWG			kA2s	ohm/kft	0.05S	0.10S	0.15S	0.50S	1.00S	2.00S
19#4	19	CCS19044D	5755.00	0.0331	339.26	239.90	195.87	107.28	75.86	53.64
19#5	19	CCS19054D	3616.62	0.0418	268.95	190.17	155.28	85.05	60.14	42.52
19#6	19	CCS19064D	2275.27	0.0527	213.32	150.84	123.16	67.46	47.70	33.73
19#7	19	CCS19074D	1432.31	0.0664	169.25	119.68	97.72	53.52	37.85	26.76
19#8	19	CCS19084D	900.71	0.0837	134.22	94.91	77.49	42.44	30.01	21.22
19#9	19	CCS19094D	565.82	0.1057	106.38	75.22	61.42	33.64	23.79	16.82
4/0	19	CCS4/04D	409.24	0.1242	90.47	63.97	52.23	28.61	20.23	14.30
19#10	19	CCS19104D	356.18	0.1332	84.40	59.68	48.73	26.69	18.87	13.35
7#4	7	CCS07044D	781.15	0.0896	124.99	88.38	72.16	39.53	27.95	19.76
7#5	7	CCS07054D	490.90	0.1130	99.09	70.06	57.21	31.33	22.16	15.67
7#6	7	CCS07064D	308.83	0.1424	78.59	55.57	45.37	24.85	17.57	12.43
7#7	7	CCS07074D	194.41	0.1795	62.36	44.09	36.00	19.72	13.94	9.86
2/0	7	CCS2/04D	162.15	0.1966	56.95	40.27	32.88	18.01	12.73	9.00
7#8	7	CCS07084D	122.26	0.2264	49.45	34.97	28.55	15.64	11.06	7.82
1/0	7	CCS1/04D	101.97	0.2479	45.16	31.93	26.07	14.28	10.10	7.14
7#9	7	CCS07094D	76.80	0.2856	39.19	27.71	22.63	12.39	8.76	6.20
7#10	7	CCS07104D	48.35	0.3600	31.10	21.99	17.95	9.83	6.95	4.92
3#4	3	CCS03044D	143.48	0.2086	53.57	37.88	30.93	16.94	11.98	8.47
3#5	3	CCS03054D	90.17	0.2631	42.47	30.03	24.52	13.43	9.50	6.71
3#6	3	CCS03064D	56.72	0.3317	33.68	23.82	19.45	10.65	7.53	5.33
3#7	3	CCS03074D	35.71	0.4181	26.72	18.90	15.43	8.45	5.98	4.23
3#8	3	CCS03084D	22.46	0.5272	21.19	14.99	12.24	6.70	4.74	3.35
3#9	3	CCS03094D	14.11	0.6652	16.80	11.88	9.70	5.31	3.76	2.66
3#10	3	CCS03104D	8.88	0.8384	13.33	9.42	7.69	4.21	2.98	2.11
#2 AWG	7	CCS02STR4D	24.53	0.5054	22.15	15.66	12.79	7.00	4.95	3.50
#4 AWG	7	CCS04STR4D	9.59	0.8085	13.85	9.79	7.99	4.38	3.10	2.19
#2 AWG	1	CCS01024D	40.31	0.3904	28.39	20.08	16.39	8.98	6.35	4.49
#4 AWG	1	CCS01044D	15.94	0.6207	17.86	12.63	10.31	5.65	3.99	2.82
#6 AWG	1	CCS01064D	6.31	0.9870	11.23	7.94	6.48	3.55	2.51	1.78
#8 AWG	1	CCS01084D	2.50	1.5691	7.06	5.00	4.08	2.23	1.58	1.12
#9 AWG	1	CCS01094D	1.57	1.9797	5.60	3.96	3.23	1.77	1.25	0.89
#10 AWG	1	CCS01104D	0.99	2.4952	4.44	3.14	2.56	1.40	0.99	0.70

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DSA Copperclad Steel Wire for Grounding Applications (cont.)

Wire Specifications

30% CONDUCTIVITY

CONDUCTOR SIZE	STRANDS	AFL NO.	I2T	NOM. DC RESISTANCE	FAULT CURRENT					
					3 CYCLES	6 CYCLES	9 CYCLES	30 CYCLES	60 CYCLES	120 CYCLES
AWG			kA2s	ohm/kft	0.05S	0.10S	0.15S	0.50S	1.00S	2.00S
19#4	19	CCS19043D	4321.16	0.0442	293.98	207.87	169.73	92.96	65.74	46.48
19#5	19	CCS19053D	2715.55	0.0558	233.05	164.79	134.55	73.70	52.11	36.85
19#6	19	CCS19063D	1708.39	0.0703	184.85	130.71	106.72	58.45	41.33	29.23
19#7	19	CCS19073D	1075.46	0.0886	146.66	103.70	84.67	46.38	32.79	23.19
19#8	19	CCS19083D	676.30	0.1118	116.30	82.24	67.15	36.78	26.01	18.39
19#9	19	CCS19093D	424.85	0.1410	92.18	65.18	53.22	29.15	20.61	14.57
4/0	19	CCS4/03D	307.28	0.1658	78.39	55.43	45.26	24.79	17.53	12.40
19#10	19	CCS19103D	267.44	0.1777	73.14	51.71	42.22	23.13	16.35	11.56
7#4	7	CCS07043D	586.53	0.1195	108.31	76.59	62.53	34.25	24.22	17.12
7#5	7	CCS07053D	368.59	0.1508	85.86	60.71	49.57	27.15	19.20	13.58
7#6	7	CCS07063D	231.89	0.1901	68.10	48.15	39.32	21.54	15.23	10.77
7#7	7	CCS07073D	145.98	0.2396	54.03	38.21	31.20	17.09	12.08	8.54
2/0	7	CCS2/03D	121.75	0.2624	49.35	34.89	28.49	15.60	11.03	7.80
7#8	7	CCS07083D	91.80	0.3021	42.85	30.30	24.74	13.55	9.58	6.77
1/0	7	CCS1/03D	76.56	0.3308	39.13	27.67	22.59	12.37	8.75	6.19
7#9	7	CCS07093D	57.67	0.3812	33.96	24.01	19.61	10.74	7.59	5.37
7#10	7	CCS07103D	36.30	0.4805	26.94	19.05	15.56	8.52	6.02	4.26
3#4	3	CCS03043D	107.73	0.2784	46.42	32.82	26.80	14.68	10.38	7.34
3#5	3	CCS03053D	67.70	0.3511	36.80	26.02	21.24	11.64	8.23	5.82
3#6	3	CCS03063D	42.59	0.4427	29.19	20.64	16.85	9.23	6.53	4.61
3#7	3	CCS03073D	26.81	0.5580	23.16	16.37	13.37	7.32	5.18	3.66
3#8	3	CCS03083D	16.86	0.7036	18.36	12.98	10.60	5.81	4.11	2.90
3#9	3	CCS03093D	10.59	0.8877	14.55	10.29	8.40	4.60	3.25	2.30
3#10	3	CCS03103D	6.67	1.1189	11.55	8.17	6.67	3.65	2.58	1.83
#2 AWG	7	CCS02STR3D	18.42	0.6746	19.19	13.57	11.08	6.07	4.29	3.03
#4 AWG	7	CCS04STR3D	7.20	1.0790	12.00	8.48	6.93	3.79	2.68	1.90
#2 AWG	1	CCS01023D	30.26	0.5210	24.60	17.40	14.20	7.78	5.50	3.89
#4 AWG	1	CCS01043D	11.97	0.8284	15.47	10.94	8.93	4.89	3.46	2.45
#6 AWG	1	CCS01063D	4.73	1.3172	9.73	6.88	5.62	3.08	2.18	1.54
#8 AWG	1	CCS01083D	1.87	2.0941	6.12	4.33	3.53	1.94	1.37	0.97
#9 AWG	1	CCS01093D	1.18	2.6421	4.85	3.43	2.80	1.53	1.08	0.77
#10 AWG	1	CCS01103D	0.74	3.3301	3.85	2.72	2.22	1.22	0.86	0.61

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DSA Copperclad Steel Wire
Jacketed Material

Copperclad Steel Wire from AFL can be jacketed to further reduce copper theft and is available in black with green stripe or grey. Available sizes are shown in the chart below, Table 1. Please contact AFL for larger sizes not shown.



6 AWG Solid with grey PVC Jacket



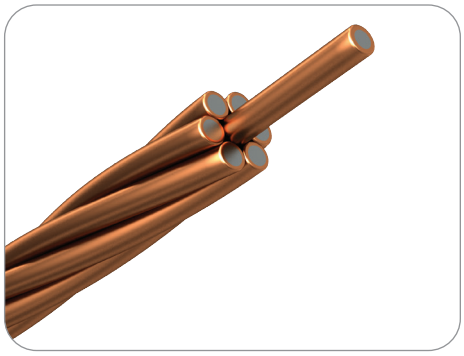
7#7 AWG with black with green stripe PVC jacket

Table 1—Physical and Electrical Characteristics of Copperclad Jacketed DSA Conductors

CONDUCTOR SIZE	CONDUCTOR OVERALL DIAMETER		AFL NO.		WEIGHT/LENGTH PVC		MIN BREAKING LOAD	
			GREY PVC	BLACK WITH GREEN TRACER PVC				
(AWG)	(in.)	(mm)	0.030 in.	0.030 in.	(lbs/kft)	(kg/km)	lbf	(kgf)
7#9	0.343	8.72	CCS07094DJV	CCS07094DBLK	279.7	416.2	2513	1140
7#10	0.306	7.76	CCS07104DJV	CCS07104DBLK	224.1	333.5	1994	904
#2 Str	0.258	6.55	CCS2STR4DJV	CCS2STR4DBLK	162.3	241.5	1435	651
#4 Str	0.204	5.18	CCS4STR4DJV	CCS4STR4DBLK	104.4	155.4	897	407
#2 Solid	0.258	6.54	CCS01024DJV	CCS01024DBLK	201.7	300.2	2023	918
#4 Solid	0.204	5.19	CCS01044DJV	CCS01044DBLK	129.8	193.2	1272	577
#6 Solid	0.162	4.12	CCS01064DJV	CCS01064DBLK	84.1	125.1	800	363

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Copperclad Steel Wire—High Strength/Extra High Strength



7-strand Copperclad Steel Wire

High Strength (HS) and Extra High Strength (EHS) copperclad steel wire provides the same conductivity and corrosion resistance as copper while maintaining the high strength of steel. Frequently used for overhead ground wire and messenger wire, HS and EHS copperclad Steel Wire can resist mechanical damage caused during installation plus electrical damage during a fault condition. The core carbon steel is bonded with a uniform layer of oxygen-free coppercladding to ensure that the copper will not flake, crack or peel when the wire is twisted, installed or buried.

Specifications and Ordering Information

30% CONDUCTIVITY—HIGH STRENGTH												
CONDUCTOR SIZE	STRANDS	AFL NO.	OVERALL DIAMETER		AREA		MIN. BREAKING LOAD		WEIGHT/LENGTH		NOM. DC RESISTANCE	
AWG			in.	mm	cmil	(mm^2)	lbf	kgf	lbs/kft	kg/km	Ω/kft	Ω/kM
19#4	19	CCS19043H	1.022	25.95	793,000	401.8	65264	29603	2231.3	3320.5	0.0442	0.1451
19#5	19	CCS19053H	0.910	23.10	628,700	318.6	53893	24445	1768.8	2632.3	0.0558	0.1830
19#6	19	CCS19063H	0.810	20.57	498,600	252.6	44456	20165	1403.0	2087.9	0.0703	0.2307
19#7	19	CCS19073H	0.722	18.33	395,600	200.5	36629	16615	1113.2	1656.6	0.0886	0.2908
19#8	19	CCS19083H	0.643	16.32	313,700	159.0	30123	13663	882.7	1313.6	0.1118	0.3667
19#9	19	CCS19093H	0.572	14.53	248,700	126.0	24727	11216	699.6	1041.2	0.1410	0.4626
4/0	19	CCS4/03H	0.528	13.40	211,500	107.2	21030	9539	595.0	885.5	0.1658	0.5440
19#10	19	CCS19103H	0.510	12.94	197,300	100.0	20431	9267	555.1	826.1	0.1777	0.5831
7#4	7	CCS07043H	0.613	15.57	292,200	148.1	24045	10906	818.8	1218.5	0.1195	0.3922
7#5	7	CCS07053H	0.546	13.86	231,600	117.4	19855	9006	649.1	966.0	0.1508	0.4947
7#6	7	CCS07063H	0.486	12.34	183,700	93.1	16379	7429	514.9	766.2	0.1901	0.6237
7#7	7	CCS07073H	0.433	11.00	145,800	73.9	13495	6121	408.5	607.9	0.2396	0.7861
2/0	7	CCS2/03H	0.414	10.51	133,100	67.4	12324	5590	373.1	555.2	0.2624	0.8608
7#8	7	CCS07083H	0.386	9.79	115,600	58.6	11098	5034	323.9	482.1	0.3021	0.9913
1/0	7	CCS1/03H	0.368	9.35	105,600	53.5	10135	4597	295.8	440.2	0.3308	1.0855
7#9	7	CCS07093H	0.343	8.72	91,610	46.4	9110	4132	256.7	382.1	0.3812	1.2507
7#10	7	CCS07103H	0.306	7.76	72,690	36.8	7527	3414	203.7	303.1	0.4805	1.5764
3#4	3	CCS03043H	0.440	11.18	125,200	63.4	10877	4934	350.2	521.2	0.2784	0.9132
3#5	3	CCS03053H	0.392	9.96	99,260	50.3	8982	4074	277.6	413.2	0.3511	1.1520
3#6	3	CCS03063H	0.349	8.86	78,730	39.9	7409	3361	220.2	327.7	0.4427	1.4524
3#7	3	CCS03073H	0.311	7.90	62,470	31.7	6105	2769	174.7	260.0	0.5580	1.8306
3#8	3	CCS03083H	0.277	7.04	49,540	25.1	5020	2277	138.6	206.2	0.7036	2.3084
3#9	3	CCS03093H	0.247	6.27	39,260	19.9	4121	1869	109.8	163.4	0.8877	2.9126
3#10	3	CCS03103H	0.220	5.59	31,150	15.8	3405	1545	87.1	129.7	1.1189	3.6709
#2 AWG	7	CCS02STR3H	0.258	6.55	51,770	26.2	5416	2457	145.1	215.9	0.6746	2.2132
#4 AWG	7	CCS04STR3H	0.204	5.18	32,370	16.4	2691	1221	90.7	135.0	1.0790	3.5399
#2 AWG	1	CCS01023H	0.258	6.54	66,370	33.6	6069	2753	184.2	274.1	0.5210	1.7093
#4 AWG	1	CCS01043H	0.204	5.19	41,740	21.2	3817	1731	115.8	172.4	0.8284	2.7180
#6 AWG	1	CCS01063H	0.162	4.12	26,250	13.3	2600	1180	72.8	108.4	1.3172	4.3216
#8 AWG	1	CCS01083H	0.129	3.26	16,510	8.4	1762	799	45.8	68.2	2.0941	6.8704
#9 AWG	1	CCS01093H	0.114	2.91	13,090	6.6	1446	656	36.3	54.0	2.6421	8.6683
#10 AWG	1	CCS01103H	0.102	2.59	10,380	5.3	1195	542	28.8	42.9	3.3301	10.9254

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Copperclad Steel Wire—High Strength (cont.)

Specifications and Ordering Information

40% CONDUCTIVITY—HIGH STRENGTH												
CONDUCTOR SIZE	STRANDS	AFL NO.	OVERALL DIAMETER		AREA		MIN. BREAKING LOAD		WEIGHT/LENGTH		NOM. DC RESISTANCE	
AWG			in.	mm	cmil	(mm^2)	lbf	kgf	lbs/kft	kg/km	Ω/kft	Ω/kM
19#4	19	CCS19044H	1.022	25.95	793,000	401.8	58738	26643	2251.7	3350.9	0.0331	0.1087
19#5	19	CCS19054H	0.910	23.10	628,700	318.6	48719	22099	1785.0	2656.3	0.0418	0.1371
19#6	19	CCS19064H	0.810	20.57	498,600	252.6	40353	18303	1415.8	2106.9	0.0527	0.1729
19#7	19	CCS19074H	0.722	18.33	395,600	200.5	33373	15138	1123.3	1671.7	0.0664	0.2179
19#8	19	CCS19084H	0.643	16.32	313,700	159.0	27541	12492	890.8	1325.6	0.0837	0.2747
19#9	19	CCS19094H	0.572	14.53	248,700	126.0	22681	10288	706.0	1050.7	0.1057	0.3466
4/0	19	CCS4/04H	0.528	13.40	211,500	107.2	19289	8749	600.4	893.6	0.1242	0.4076
19#10	19	CCS19104H	0.510	12.94	197,300	100.0	18753	8506	560.2	833.6	0.1332	0.4369
7#4	7	CCS07044H	0.613	15.57	292,200	148.1	21640	9816	826.3	1229.7	0.0896	0.2938
7#5	7	CCS07054H	0.546	13.86	231,600	117.4	17949	8142	655.0	974.8	0.1130	0.3707
7#6	7	CCS07064H	0.486	12.34	183,700	93.1	14867	6743	519.6	773.2	0.1424	0.4673
7#7	7	CCS07074H	0.433	11.00	145,800	73.9	12295	5577	412.2	613.5	0.1795	0.5890
2/0	7	CCS2/04H	0.414	10.51	133,100	67.4	11229	5093	376.5	560.2	0.1966	0.6450
7#8	7	CCS07084H	0.386	9.79	115,600	58.6	10147	4602	326.9	486.5	0.2264	0.7428
1/0	7	CCS1/04H	0.368	9.35	105,600	53.5	9266	4203	298.5	444.3	0.2479	0.8133
7#9	7	CCS07094H	0.343	8.72	91,610	46.4	8356	3790	259.1	385.6	0.2856	0.9371
7#10	7	CCS07104H	0.306	7.76	72,690	36.8	6909	3134	205.6	305.9	0.3600	1.1812
3#4	3	CCS03044H	0.440	11.18	125,200	63.4	9790	4440	353.4	526.0	0.2086	0.6843
3#5	3	CCS03054H	0.392	9.96	99,260	50.3	8120	3683	280.2	416.9	0.2631	0.8632
3#6	3	CCS03064H	0.349	8.86	78,730	39.9	6725	3051	222.2	330.7	0.3317	1.0883
3#7	3	CCS03074H	0.311	7.90	62,470	31.7	5562	2523	176.3	262.4	0.4181	1.3716
3#8	3	CCS03084H	0.277	7.04	49,540	25.1	4590	2082	139.8	208.1	0.5272	1.7297
3#9	3	CCS03094H	0.247	6.27	39,260	19.9	3780	1715	110.8	164.9	0.6652	2.1823
3#10	3	CCS03104H	0.220	5.59	31,150	15.8	3125	1418	87.9	130.8	0.8384	2.7506
#2 AWG	7	CCS02STR4H	0.258	6.55	51,770	26.2	4971	2255	146.4	217.9	0.5054	1.6583
#4 AWG	7	CCS04STR4H	0.204	5.18	32,370	16.4	2579	1170	91.5	136.2	0.8085	2.6524
#2 AWG	1	CCS01024H	0.258	6.54	66,370	33.6	5462	2477	185.8	276.6	0.3904	1.2808
#4 AWG	1	CCS01044H	0.204	5.19	41,740	21.2	3435	1558	116.9	173.9	0.6207	2.0366
#6 AWG	1	CCS01064H	0.162	4.12	26,250	13.3	2360	1071	73.5	109.4	0.9870	3.2382
#8 AWG	1	CCS01084H	0.129	3.26	16,510	8.4	1611	731	46.2	68.8	1.5691	5.1479
#9 AWG	1	CCS01094H	0.114	2.91	13,090	6.6	1326	602	36.6	54.5	1.9797	6.4951
#10 AWG	1	CCS01104H	0.102	2.59	10,380	5.3	1097	497	29.1	43.3	2.4952	8.1863

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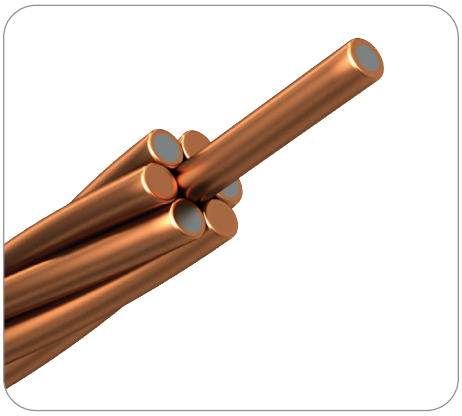
Copperclad Steel Wire—Extra High Strength

Specifications and Ordering Information

30% CONDUCTIVITY—EXTRA HIGH STRENGTH												
CONDUCTOR SIZE	STRANDS	AFL NO.	OVERALL DIAMETER		AREA		MIN. BREAKING LOAD		WEIGHT/LENGTH		NOM. DC RESISTANCE	
AWG			in.	mm	cmil	(mm^2)	lbf	kgf	lbs/kft	kg/km	Ω/kft	Ω/kM
19#4	19	CCS19043E	1.022	25.95	793,000	401.8	77501	35154	2231.3	3320.5	0.0442	0.1451
19#5	19	CCS19053E	0.910	23.10	628,700	318.6	64887	29432	1768.8	2632.3	0.0558	0.1830
19#6	19	CCS19063E	0.810	20.57	498,600	252.6	53860	24431	1403.0	2087.9	0.0703	0.2307
19#7	19	CCS19073E	0.722	18.33	395,600	200.5	44497	20184	1113.2	1656.6	0.0886	0.2908
19#8	19	CCS19083E	0.643	16.32	313,700	159.0	36577	16591	882.7	1313.6	0.1118	0.3667
19#9	19	CCS19093E	0.572	14.53	248,700	126.0	29690	13467	699.6	1041.2	0.1410	0.4626
4/0	19	CCS4/03E	0.528	13.40	211,500	107.2	25250	11453	595.0	885.5	0.1658	0.5440
19#10	19	CCS19103E	0.510	12.94	197,300	100.0	24219	10986	555.1	826.1	0.1777	0.5831
7#4	7	CCS07043E	0.613	15.57	292,200	148.1	28553	12951	818.8	1218.5	0.1195	0.3922
7#5	7	CCS07053E	0.546	13.86	231,600	117.4	23906	10843	649.1	966.0	0.1508	0.4947
7#6	7	CCS07063E	0.486	12.34	183,700	93.1	19843	9001	514.9	766.2	0.1901	0.6237
7#7	7	CCS07073E	0.433	11.00	145,800	73.9	16394	7436	408.5	607.9	0.2396	0.7861
2/0	7	CCS2/03E	0.414	10.51	133,100	67.4	14972	6791	373.1	555.2	0.2624	0.8608
7#8	7	CCS07083E	0.386	9.79	115,600	58.6	13476	6113	323.9	482.1	0.3021	0.9913
1/0	7	CCS1/03E	0.368	9.35	105,600	53.5	12307	5582	295.8	440.2	0.3308	1.0855
7#9	7	CCS07093E	0.343	8.72	91,610	46.4	10938	4962	256.7	382.1	0.3812	1.2507
7#10	7	CCS07103E	0.306	7.76	72,690	36.8	8923	4047	203.7	303.1	0.4805	1.5764
3#4	3	CCS03043E	0.440	11.18	125,200	63.4	12917	5859	350.2	521.2	0.2784	0.9132
3#5	3	CCS03053E	0.392	9.96	99,260	50.3	10815	4905	277.6	413.2	0.3511	1.1520
3#6	3	CCS03063E	0.349	8.86	78,730	39.9	8977	4072	220.2	327.7	0.4427	1.4524
3#7	3	CCS03073E	0.311	7.90	62,470	31.7	7416	3364	174.7	260.0	0.5580	1.8306
3#8	3	CCS03083E	0.277	7.04	49,540	25.1	6096	2765	138.6	206.2	0.7036	2.3084
3#9	3	CCS03093E	0.247	6.27	39,260	19.9	4948	2245	109.8	163.4	0.8877	2.9126
3#10	3	CCS03103E	0.220	5.59	31,150	15.8	4037	1831	87.1	129.7	1.1189	3.6709
#2 AWG	7	CCS02STR3E	0.258	6.55	51,770	26.2	6420	2912	145.1	215.9	0.6746	2.2132
#4 AWG	7	CCS04STR3E	0.204	5.18	32,370	16.4	4014	1821	90.7	135.0	1.0790	3.5399
#2 AWG	1	CCS01023E	0.258	6.54	66,370	33.6	7207	3269	184.2	274.1	0.5210	1.7093
#4 AWG	1	CCS01043E	0.204	5.19	41,740	21.2	4532	2056	115.8	172.4	0.8284	2.7180
#6 AWG	1	CCS01063E	0.162	4.12	26,250	13.3	3151	1429	72.8	108.4	1.3172	4.3216
#8 AWG	1	CCS01083E	0.129	3.26	16,510	8.4	2139	970	45.8	68.2	2.0941	6.8704
#9 AWG	1	CCS01093E	0.114	2.91	13,090	6.6	1736	788	36.3	54.0	2.6421	8.6683
#10 AWG	1	CCS01103E	0.102	2.59	10,380	5.3	1416	642	28.8	42.9	3.3301	10.9254

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Copperclad Composite (CCC) Conductors



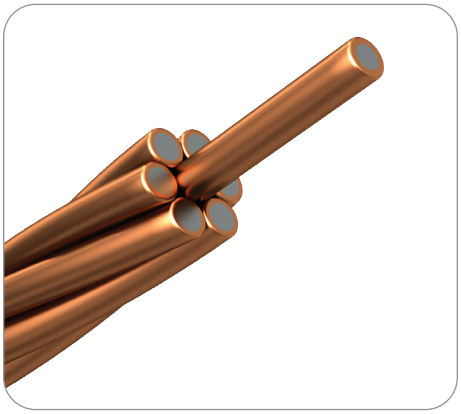
Type K—4 Copperclad Steel Wires and 3 Copper Wires

Copperclad Composite (CCC) Conductors provide strength and conductivity by combining hard drawn copper with 30% conductivity EHS Copperclad Steel Wire. With its steel component, the CCC conductor achieves a higher tensile strength.

CCC conductors feature a higher ampacity for the same wire size as standard Copperclad Steel Wire.

Ordering Information

Contact AFL for detailed specifications not shown.



7-strand Copperclad Steel Wire

Copperclad Type M Guy Wire

Copperclad Type M guy wire is an economical, corrosion-resistant guying material for use on overhead lines. The coppercladding that is bonded on each wire protects the high-strength steel core from rusting and subsequent loss of strength.

Ordering Information

Contact AFL for detailed specifications.

For additional information on Copperclad Composite Conductors, contact AFL.

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Copperclad Part Number Nomenclature

Ordering Information

Step 1: Determine Catalog Number.

Step 2: Determine Package Code.

Step 3: Assemble complete part number—Catalog Number + Package Code

- Example: For a 2,000 ft. reel of 40% and 7#8 DSA, the complete part number is CCS07084DR2000F.

Step 1—Catalog Number

CATALOG NUMBER (NOT ALL SIZES LISTED)		
CONDUCTOR CONFIGURATION	30% CONDUCTIVITY	40% CONDUCTIVITY
#6 Jacketed		CCS01064D-JV*
#4 Jacketed		CCS01044D-JV*
#2 Jacketed		CCS01024D-JV*
#4 Stranded Jacketed		CCS4STR4D-JV*
#2 Stranded Jacketed		CCS2STR4D-JV*
#2 Stranded		CCS2STR4D
#4 Stranded		CCS4STR4D
#2	CCS01023D	CCS01024D
#4	CCS01043D	CCS01044D
#6	CCS01063D	CCS01064D
3#5	CCS03053D	CCS03054D
3#6	CCS03063D	CCS03064D
3#7	CCS03073D	CCS03074D
3#8	CCS03083D	CCS03084D
3#9	CCS03093D	CCS03094D
3#10	CCS03103D	CCS03104D
7#5	CCS07053D	CCS07054D
7#6	CCS07063D	CCS07064D
7#7	CCS07073D	CCS07074D
7#8	CCS07083D	CCS07084D
7#9	CCS07093D	CCS07094D
7#10	CCS07103D	CCS07104D
19#5	CCS19053D	CCS19054D
19#6	CCS19063D	CCS19064D
19#7	CCS19073D	CCS19074D
19#8	CCS19083D	CCS19084D
19#9	CCS19093D	CCS19094D

* See Jacket detail sheet for alternate jacketing configurations and part numbers.

Step 2—Package Code

Select preference of packaging type.

COILS	
CODE (LBS)	CODE (FT)
C50P	C334F
C100P	
C200P	

REELS	
CODE (LBS)	CODE (FT)
R500P	R500F
R1000P	R1000F
R2000P	R2000F
R3521P	R3521F

SPOOLS	
CODE (LBS)	CODE (FT)
S25P	S318F

Not all sizes listed.

Step 3—Assemble Complete Part Number

CCS01064D-JV — Catalog Number

R3521P — Package Code

Explanation of Copperclad Part Numbers

CCS	0707	4	D	R	1000	F
Copperclad Steel (CCX = Onyx)	Stranding **0707** = 7 Strands of #7 **0102** = Single Strand of #2	Conductivity (IACS Int'l Annealed Copper) **3** = 30% **4** = 40 %	Material Type **D** = DSA (Dead Soft Annealed) **H** = High Strength **E** = Extra High Strength	Package Type **R** = Reel **S** = Spool **C** = Coil	Package Quantity	Unit of Measure **F** = Feet (ft) **P** = Pounds (lbs)

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Recommended Maximum Footage per Reel

19 Strands

REEL SIZE	19#4	19#5	19#6	19#7	19#8	19#9	4/0	19#10
4	—	—	—	—	—	575	675	725
5	—	—	—	—	575	750	875	950
6	—	—	600	775	975	1,200	1,450	1,550
7.5	575	725	925	1,150	1,450	1,850	2,200	2,350
8	775	975	1,200	1,550	1,950	2,450	2,900	3,100
9	1,200	1,550	1,950	2,450	3,100	3,950	4,650	4,950
10	1,550	1,950	2,450	3,100	3,900	4,950	5,800	6,200
11	2,050	2,600	3,300	4,150	5,250	6,650	7,850	8,400
12	3,150	4,000	5,000	6,350	8,000	10,100	11,800	12,700

7 Strands

REEL SIZE	7#4	7#5	7#6	7#7	2/0	7#8	1/0	7#9	7#10	#2 STR	#4 STR
4	475	600	775	975	1,050	1,200	1,350	1,550	1,950	2,750	4,450
5	625	800	1,000	1,250	1,400	1,600	1,750	2,050	2,550	3,600	5,800
6	1,050	1,300	1,650	2,100	2,300	2,650	2,950	3,400	4,250	6,000	9,600
7.5	1,600	2,000	2,550	3,200	3,500	4,050	4,450	5,100	6,450	9,100	14,500
8	2,100	2,650	3,350	4,250	4,650	5,350	5,850	6,750	8,500	11,900	—
9	3,350	4,250	5,350	6,750	7,400	8,550	9,350	10,800	13,600	—	—
10	4,200	5,300	6,700	8,450	9,250	10,700	11,700	13,500	—	—	—
11	5,700	7,200	9,050	11,400	12,500	14,400	15,800	—	—	—	—
12	8,600	10,900	13,700	—	—	—	—	—	—	—	—

3 Strands

REEL SIZE	3#5	3#6	3#7	3#8	3#9	3#10
4	1,450	1,800	2,300	2,900	3,650	4,600
5	1,900	2,400	3,000	3,800	4,800	6,050
6	3,100	3,950	5,000	6,300	7,950	10,000
7.5	4,750	6,000	7,550	9,500	12,000	15,100
8	6,250	7,850	9,900	12,500	15,800	19,900
9	9,950	12,500	15,800	20,000	—	—
10	12,400	15,700	19,800	—	—	—
11	16,800	21,200	—	—	—	—
12	—	—	—	—	—	—

Single Strand

REEL SIZE	#2	#4	#6
4	2,150	3,450	5,500
5	2,850	4,550	7,250
6	4,700	7,500	11,900
7.5	7,150	11,400	18,100
8	—	—	—
9	—	—	—
10	—	—	—
11	—	—	—
12	—	—	—

Reel Specifications

REEL NO.	OD (in.)	ID (in.)	WIDTH (in.)	MAX CAPACITY (lbs)
4	24.0	12.0	13.0	407
5	24.0	12.0	16.9	533
6	28.0	12.0	17.9	881
8	36.0	17.9	21.1	1,751
9	40.0	17.1	29.5	2,797
10	41.9	13.8	29.5	3,496
11	48.0	26.0	30.0	5,070
12	54.0	36.0	30.0	7,140

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Green Spool Specifications



Spool of Copperclad Steel Wire with PVC jacketed material. For spool sizes and specifications, see page 14.

SIZE	ARBOR HOLE SIZE*	WEIGHT	SPOOL DIMENSIONS (inches)	DSA	JACKET TYPE	WIRE LENGTH (ft.)
#6 Bare Solid	2 inch	25	12 x 4 x 5	40	—	338
#6 Solid Jacketed	2 inch	29	13 x 4 x 5	40	Vinyl	338
#4 Bare Solid	2 inch	25	12 x 4 x 5	40	—	214
#4 Solid Jacketed	2 inch	29	12 x 4 x 5	40	Vinyl	214
#4 Stranded	2 inch	20	12 x 4 x 5	40	—	214
#4 Stranded Jacketed	2 inch	22	12 x 4 x 5	40	Vinyl	214
#2 Bare Solid	2 inch	25	12 x 4 x 5	40	—	134
#2 Solid Jacketed	2 inch	27	12 x 4 x 5	40	Vinyl	134
#2 Stranded	2 inch	20	12 x 4 x 5	40	—	134
#2 Stranded Jacketed	2 inch	23	12 x 4 x 5	40	Vinyl	134

* Special arbor hole sizes available upon request.

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Table of Contents

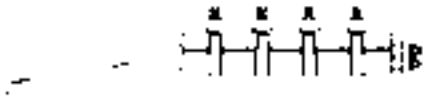
Comealongs Pictorial Index 504
Comealongs for ACSR, AAC, AAAC and ACAR Conductors,
3000, 3100 and 3200 Series 505
HiTemp® Comealongs for ACSS and ACSS/TW Conductors,
400000HT and 410000HT Series 507
HiTemp® Comealongs for ACSS Conductor,
400000HT Series 508
HiTemp® Comealongs for ACSS/TW Conductors,
410000HT Series 510
Installation Instructions for Comealongs 512

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Pictorial Index

COMEALONGS

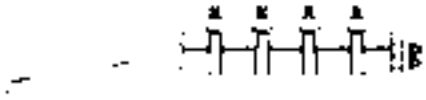
ACSR, AAC, AAAC & ACAR Conductors
3000, 3100 and 3200 Series: pg. 505



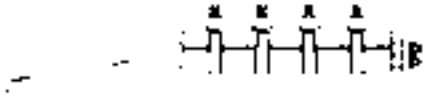
HiTemp® ACSS & ACSS/TW Conductors
pg. 507



HiTemp® ACSS Conductor
400000HT Series: pg. 508



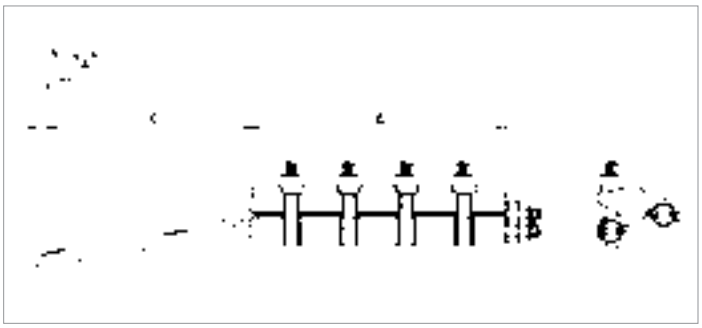
HiTemp® ACSS/TW Conductor
410000HT Series: pg. 510



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Comealongs for ACSR, AAC, AAAC and ACAR Conductors, 3000, 3100 and 3200 Series





Comealongs are stringing tools designed for pulling conductors up to initial sag tensions. If the required tension is greater than the rated tension of a single comealong, two or more comealongs should be used (see Installation Instructions page 131). When desired sag tension is reached, the conductor should be dead ended promptly and the comealong removed.

Comealongs must receive periodic maintenance. This practice should consist of a thorough cleaning with close inspection for nicked or rough conductor grooves, cracked body, bent eye bolts, or damaged bail. The eyebolts should be kept clean and oiled. The conductor groove should be kept clean and dry. After each six months use and at the beginning of each job, all comealongs should be subjected to a pull test equal to its rated strength. If any damage is found, the comealong should be disposed of properly.

Features

Rugged Design

The 3000, 3100 and 3200 Series Comealongs are highly engineered products. The comealong body is heat-treated for increased strength. The eyebolts are forged from high strength steel. The bail receives both magnaflux and dye check inspection to give high assurance of metal quality.

Fully Assembled

The 3000, 3100 and 3200 Series Comealong comes with all parts fully assembled and ready for use. Double lock nuts with cotter pins maintain proper body location. Peened eye bolts prevent loss of compression nut/washer combination.

Angled Bail

During installation, the angled bail of the comealong provides clearance between the chain link hoist and the conductor. This prevents damage to the conductor and allows ease of accessory installation.

Each Comealong Tested and Rated

Each 3000, 3100 and 3200 Series Comealong is designed for ACSR, AAC, AAAC and ACAR conductors. Every comealong ordered is individually tested prior to shipment.

COMEALONG CATALOG SERIES	DIMENSIONS						EYEBOLTS		TOTAL	
	A		B		C		DIA.	NO.		
	in.	mm	in.	mm	in.	mm			lbs	kg
3050	11.00	279	0.50	13	8.00	203	1/2	4	9.0	4.08
3060	11.00	279	0.50	13	8.00	203	1/2	4	9.0	4.08
3070	12.50	318	0.62	16	8.00	203	5/8	4	16.0	7.26
3080	12.50	318	0.62	16	8.00	203	5/8	4	16.0	7.26
3090	18.12	460	0.62	16	8.00	203	5/8	6	26.0	11.79
3100	18.12	460	0.62	16	8.00	203	5/8	6	26.0	11.79
3110	20.94	532	0.62	16	8.00	203	5/8	7	32.0	14.51
3120	20.94	532	0.62	16	8.00	203	5/8	7	32.0	14.51
3190	21.81	554	0.88	22	10.00	254	5/8	7	47.0	21.32
3200	21.81	554	0.88	22	10.00	254	5/8	7	47.0	21.32
3210	21.81	554	0.88	22	10.00	254	5/8	7	47.0	21.32
3220	21.81	554	0.88	22	10.00	254	5/8	7	47.0	21.32
3230	21.81	554	0.88	22	10.00	254	5/8	7	47.0	21.32

WARNING: Comealongs are not intended for use as dead ends and are not recommended to hold conductors at sag tension limits for longer than 6 hours.

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Comealongs for ACSR, AAC, AAAC and ACAR Conductors, 3000, 3100 and 3200 Series (cont.)

CATALOG NUMBER STANDARD	RANGE OF CONDUCTOR DIAMETERS				TENSION LIMIT
	MIN		MAX		
	in.	mm	in.	mm	
3050.1	0.440	11.2	0.459	11.6	3050.1 through 3065—50% of the rated strength of the conductor or 12,000 lbs (5443 kg), whichever value is smaller.
3050	0.460	11.7	0.480	12.1	
3051	0.481	12.2	0.500	12.6	
3052	0.501	12.7	0.520	13.1	
3053	0.521	13.2	0.540	13.7	
3054	0.541	13.8	0.560	14.2	
3055	0.561	14.3	0.580	14.7	
3056	0.581	14.8	0.600	15.2	
3057	0.601	15.3	0.620	15.7	
3058	0.621	15.8	0.640	16.2	
3060	0.641	16.3	0.670	17.0	
3061	0.671	17.1	0.700	17.7	
3062	0.701	17.8	0.730	18.5	
3063	0.731	18.6	0.760	19.2	
3064	0.761	19.3	0.790	20.0	
3065	0.791	20.1	0.820	20.8	
3070	0.821	20.9	0.850	21.5	3070 through 3085—50% of the rated strength of the conductor at 10,000 pounds (5443 kg), whichever is smaller.
3071	0.851	21.6	0.880	22.3	
3072	0.881	22.4	0.910	23.1	
3073	0.911	23.2	0.940	23.8	
3074	0.941	23.9	0.970	24.6	
3075	0.971	24.7	1.000	25.3	
3080	1.001	25.4	1.030	26.1	
3081	1.031	26.2	1.060	26.9	
3082	1.061	27.0	1.090	27.6	
3083	1.091	27.7	1.120	28.4	
3084	1.121	28.5	1.150	29.2	
3085	1.151	29.3	1.180	29.9	

Ordering Instructions

Select the comealong catalog number based on the diameter conductor being used.

Example:

For 795 Drake, the diameter is 1.108 inches. The comealong catalog number is:

3083

Notes:

1. Installation instructions for comealongs are on pages 516 and 517.

CATALOG NUMBER		RANGE OF CONDUCTOR DIAMETER				TENSION LIMIT	
STANDARD	HIGH STRENGTH	MIN		MAX		STANDARD	HIGH STRENGTH
		in.	mm	in.	mm		
3090	3190	1.181	30.0	1.210	30.7	3090 through 3129—50% of the rated strength of the conductor or 12,000 lbs (5443 kg), whichever is smaller.	3190 through 3233—50% of the rated strength of the conductor or 20,000 lbs (9072 k), whichever is smaller.
3091	3191	1.211	30.8	1.240	31.4		
3092	3192	1.241	31.5	1.270	32.2		
3093	3193	1.271	32.3	1.300	33.0		
3094	3194	1.301	33.1	1.330	33.7		
3095	3195	1.331	33.8	1.360	34.5		
3096	3196	1.361	34.6	1.412	35.8		
3097	3197	1.413	35.9	1.443	36.6		
3100	3200	1.444	36.7	1.474	37.4		
3101	3201	1.475	37.5	1.505	38.2		
3102	3202	1.507	38.3	1.537	39.0		
3103	3203	1.538	39.1	1.568	39.8		
3104	3204	1.569	39.9	1.599	40.6		
3105	3205	1.600	40.7	1.631	41.4		
3106	3206	1.632	41.5	1.662	42.1		
3107	3207	1.663	42.2	1.693	42.9		
3108	3208	1.694	43.0	1.724	43.7		
3109	3209	1.725	43.8	1.756	44.5		
3110	3210	1.757	44.6	1.787	45.3		
3111	3211	1.788	45.4	1.818	46.1		
3112	3212	1.819	46.2	1.849	46.9		
3112	3213	1.850	47.0	1.881	47.7		
3114	3214	1.882	47.8	1.912	48.5		
3115	3215	1.913	48.6	1.943	49.3		
3116	3216	1.944	49.4	1.974	50.1		
3117	3217	1.975	50.2	2.006	50.9		
3118	3218	2.070	51.0	2.037	51.7		
3119	3219	2.038	51.8	2.068	52.5		
3120	3220	2.069	52.6	2.099	53.3		
3121	3221	2.100	53.4	2.131	54.1		
3122	3222	2.132	54.2	2.162	54.9		
3123	3223	2.163	55.0	2.193	55.6		
3124	3224	2.194	55.7	2.224	56.4		
3125	3225	2.225	56.5	2.256	57.2		
3126	3226	2.257	57.3	2.287	58.0		
3127	3227	2.288	58.1	2.318	58.8		
3128	3228	2.319	58.9	2.349	59.6		
3129	3229	2.350	59.7	2.381	60.4		
—	3230	2.382	60.5	2.412	61.2		
—	3231	2.413	61.3	2.443	62.0		
—	3232	2.444	62.1	2.474	62.8		
—	3233	2.475	62.9	2.505	63.6		

WARNING: Comealongs are not intended for use as dead ends and are not recommended to hold conductors at sag tension limits for longer than 6 hours.

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HiTemp® Comealongs for ACSS and ACSS/TW Conductors 400000HT and 410000HT Series



HiTemp Comealongs are stringing tools designed for pulling conductors up to initial sag tensions. If the required tension is greater than the rated tension of a single comealong, two or more comealongs should be used (see Installation Instructions on pages 430 and 431). When desired sag tension is reached, the conductor should be dead ended promptly and the comealong removed.

Comealongs must receive periodic maintenance. This practice should consist of a thorough cleaning with close inspection for nicked or rough conductor grooves, cracked body, bent eye bolts, or damaged bail. The eyebolts should be kept clean and oiled. The conductor groove should be kept clean and dry. After each six months use and at the beginning of each job, all comealongs should be subjected to a pull test equal to its rated strength. If any damage is found, the comealong should be disposed of properly.

Features

Rugged Design

HiTemp Comealongs are highly engineered products. The comealong body is heat-treated for increased strength. The eyebolts are forged from high strength steel. The bail receives both magnaflux and dye check inspection to give high assurance of metal quality.

Fully Assembled

The HiTemp Comealong comes with all parts fully assembled and ready for use. Double lock nuts with cotter pins maintain proper body location. Peened eye bolts prevent loss of compression nut/washer combination.

Angled Bail

During installation, the angled bail of the comealong provides clearance between the chain link hoist and the fully annealed conductor. This prevents damage to the conductor and allows ease of accessory installation.

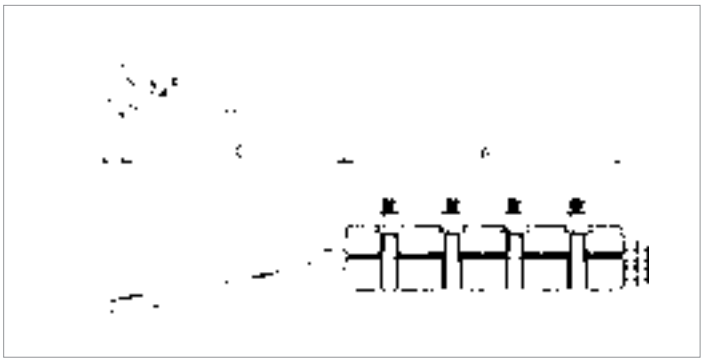
Each Comealong Tested and Rated

Each HiTemp Comealong is designed for a specific ACSS or ACSS/TW conductor. Generally, the rating of the comealong will be between 20% and 50% of the ASTM rated strength of the conductor. The actual rating will be determined after testing and stamped on the comealong in pounds. Every comealong ordered is individually tested prior to shipment.

WARNING: Comealongs are not intended for use as dead ends and are not recommended to hold conductors at sag tension limits for longer than 6 hours.

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HiTemp® Comealongs for ACSS Conductor, 400000HT Series



The 400000HT Series Comealong is specifically design for ACSS conductors. Each comealong is tested and identified for a specific conductor size.

Fully annealed strands of ACSS conductor will relax in a properly fitted comealong. This relaxation will result in a reduction in clamping force over time. ACSS conductors set quickly, resulting in larger amounts of creep in a shorter period of time compared to ACSR conductors. Therefore, comealongs are NOT intended for use as dead ends and are NOT recommended to hold conductors at sag tension limits for longer than 6 hours.

Ordering Instructions

Select the Comealong catalog number based on the conductor being used.

Example:

For 795 Drake ACSS Conductor, the Comealong catalog number would be:

401108HT

Notes:

1. For every two Comealongs ordered, the customer must furnish AFL a minimum of 10 feet of the specified conductor. All Comealongs are 100% tension tested.
2. Installation Instructions for Comealongs are on pages 516 and 517.

CATALOG NUMBER	CONDUCTOR				DIMENSIONS				EYEBOLTS		TOTAL WEIGHT	
	CODE NAME	SIZE	STRANDING	DIAMETER	A		C					
		kcmil	Al/St	in.	in.	mm	in.	mm	DIA	NO.	lbs	kg
400642HT	Partridge/ACSS	266.8	26/7	0.642	11.0	279	8.0	203	1/2	4	9.0	4.08
400701HT	Woodcock/ACSS	336.4	22/7	0.701	11.0	279	8.0	203	1/2	4	9.0	4.08
400720HT	Linnet/ACSS	336.4	26/7	0.720	11.0	279	8.0	203	1/2	4	9.0	4.08
400741HT	Oriole/ACSS	336.4	30/7	0.741	11.0	279	8.0	203	1/2	4	9.0	4.08
400752HT	Ptarmigan/ACSS	397.5	20/7	0.752	11.0	279	8.0	203	1/2	4	9.0	4.08
400772HT	Brant/ACSS	397.5	24/7	0.772	11.0	279	8.0	203	1/2	4	9.0	4.08
400783HT	Ibis/ACSS	397.5	26/7	0.783	11.0	279	8.0	203	1/2	4	9.0	4.08
400806HT	Lark/ACSS	397.5	30/7	0.806	11.0	279	8.0	203	1/2	4	9.0	4.08
400823HT	Tailorbird/ACSS	477.0	20/7	0.823	12.5	318	8.0	203	5/8	4	16.0	7.26
400846HT	Flicker/ACSS	477.0	24/7	0.846	12.5	318	8.0	203	5/8	4	16.0	7.26
400858HT	Hawk/ACSS	477.0	26/7	0.858	12.5	318	8.0	203	5/8	4	16.0	7.26
400883HT	Hen/ACSS	477.0	30/7	0.883	12.5	318	8.0	203	5/8	4	16.0	7.26
400901HT	Sapsucker/ACSS	556.5	22/7	0.901	12.5	318	8.0	203	5/8	4	16.0	7.26
400914HT	Parakeet/ACSS	556.5	24/7	0.914	12.5	318	8.0	203	5/8	4	16.0	7.26
400927HT	Dove/ACSS	556.5	26/7	0.927	12.5	318	8.0	203	5/8	4	16.0	7.26
400953HT	Eagle/ACSS	556.5	30/7	0.953	12.5	318	8.0	203	5/8	4	16.0	7.26
400954HT	Peacock/ACSS	605.0	24/7	0.953	12.5	318	8.0	203	5/8	4	16.0	7.26
400966HT	Squab/ACSS	605.0	26/7	0.966	12.5	318	8.0	203	5/8	4	16.0	7.26
400994HT	Wood Duck/ACSS	605.0	30/7	0.994	12.5	318	8.0	203	5/8	4	16.0	7.26
400994HT	Teal/ACSS	605.0	30/19	0.994	12.5	318	8.0	203	5/8	4	16.0	7.26
400963HT	Goldfinch/ACSS	636.0	22/7	0.963	12.5	318	8.0	203	5/8	4	16.0	7.26
400977HT	Rook/ACSS	636.0	24/7	0.977	12.5	318	8.0	203	5/8	4	16.0	7.26
400990HT	Grosbeak/ACSS	636.0	26/7	0.990	12.5	318	8.0	203	5/8	4	16.0	7.26

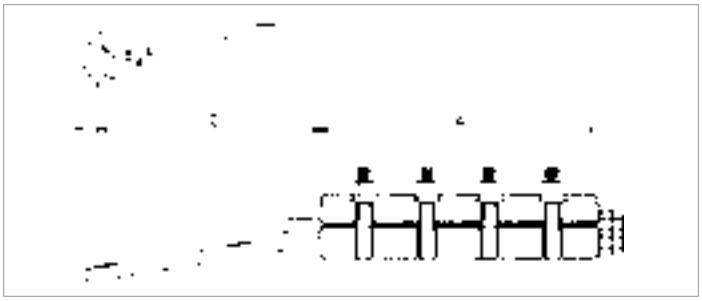
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HiTemp® Comealongs for ACSS Conductor, 400000HT Series (cont.)

CATALOG NUMBER	CONDUCTOR				DIMENSIONS				EYEBOLTS		TOTAL WEIGHT	
	CODE NAME	SIZE	STRANDING	DIAMETER	A		C					
		kcmil	Al/St	in.	in.	mm	in.	mm	DIA	NO.	lbs	kg
401019HT	Scoter/ACSS	636.0	30/7	1.019	12.5	318	8.0	203	5/8	4	16.0	7.26
401020HT	Egret/ACSS	636.0	30/19	1.019	12.5	318	8.0	203	5/8	4	16.0	7.26
401000HT	Flamingo/ACSS	666.6	24/7	1.000	12.5	318	8.0	203	5/8	4	16.0	7.26
401014HT	Gannet/ACSS	666.6	26/7	1.014	12.5	318	8.0	203	5/8	4	16.0	7.26
401036HT	Stilt/ACSS	715.5	24/7	1.036	12.5	318	8.0	203	5/8	4	16.0	7.26
401051HT	Starling/ACSS	715.5	26/7	1.051	12.5	318	8.0	203	5/8	4	16.0	7.26
401081HT	Redwing/ACSS	715.5	30/19	1.081	12.5	318	8.0	203	5/8	4	16.0	7.26
401092HT	Cuckoo/ACSS	795.0	24/7	1.092	12.5	318	8.0	203	5/8	4	16.0	7.26
401108HT	Drake/ACSS	795.0	26/7	1.108	12.5	318	8.0	203	5/8	4	16.0	7.26
401055HT	Macaw/ACSS	795.0	42/7	1.055	12.5	318	8.0	203	5/8	4	16.0	7.26
401063HT	Tern/ACSS	795.0	45/7	1.063	12.5	318	8.0	203	5/8	4	16.0	7.26
401092HT	Condor/ACSS	795.0	54/7	1.092	12.5	318	8.0	203	5/8	4	16.0	7.26
401140HT	Mallard/ACSS	795.0	30/19	1.140	12.5	318	8.0	203	5/8	4	16.0	7.26
401131HT	Ruddy/ACSS	900.0	45/7	1.131	12.5	318	8.0	203	5/8	4	16.0	7.26
401162HT	Canary/ACSS	900.0	54/7	1.162	12.5	318	8.0	203	5/8	4	16.0	7.26
401165HT	Corncrake/ACSS	954.0	20/7	1.165	12.5	318	8.0	203	5/8	4	16.0	7.26
401196HT	Redbird/ACSS	954.0	24/7	1.196	18.1	460	8.0	203	5/8	6	26.0	11.79
401165HT	Rail/ACSS	954.0	45/7	1.165	12.5	318	8.0	203	5/8	4	16.0	7.26
401175HT	Towhee/ACSS	954.0	48/7	1.175	12.5	318	8.0	203	5/8	4	16.0	7.26
401196HT	Cardinal/ACSS	954.0	54/7	1.196	18.1	460	8.0	203	5/8	6	26.0	11.79
401248HT	Canvasback/ACSS	954.0	30/19	1.248	18.1	460	8.0	203	5/8	6	26.0	11.79
401203HT	Snowbird/ACSS	1033.5	42/7	1.203	18.1	460	8.0	203	5/8	6	26.0	11.79
401212HT	Ortolan/ACSS	1033.5	45/7	1.212	18.1	460	8.0	203	5/8	6	26.0	11.79
401245HT	Curlew/ACSS	1033.5	54/7	1.245	18.1	460	8.0	203	5/8	6	26.0	11.79
401259HT	Bluejay/ACSS	1113.0	45/7	1.259	18.1	460	8.0	203	5/8	6	26.0	11.79
401293HT	Finch/ACSS	1113.0	54/19	1.293	18.1	460	8.0	203	5/8	6	26.0	11.79
401302HT	Bunting/ACSS	1192.5	45/7	1.302	18.1	460	8.0	203	5/8	6	26.0	11.79
401338HT	Grackle/ACSS	1192.5	54/19	1.338	18.1	460	8.0	203	5/8	6	26.0	11.79
401345HT	Bittern/ACSS	1272.0	45/7	1.345	18.1	460	8.0	203	5/8	6	26.0	11.79
401357HT	Diver/ACSS	1272.0	48/7	1.357	18.1	460	8.0	203	5/8	6	26.0	11.79
401382HT	Pheasant/ACSS	1272.0	54/19	1.382	18.1	460	8.0	203	5/8	6	26.0	11.79
401386HT	Dipper/ACSS	1351.5	45/7	1.386	18.1	460	8.0	203	5/8	6	26.0	11.79
401424HT	Martin/ACSS	1351.5	54/19	1.424	18.1	460	8.0	203	5/8	6	26.0	11.79
401427HT	Bobolink/ACSS	1431.0	45/7	1.427	18.1	460	8.0	203	5/8	6	26.0	11.79
401465HT	Plover/ACSS	1431.0	54/19	1.465	18.1	460	8.0	203	5/8	6	26.0	11.79
401466HT	Nuthatch/ACSS	1510.0	45/7	1.466	18.1	460	8.0	203	5/8	6	26.0	11.79
401505HT	Parrot/ACSS	1510.0	54/19	1.505	18.1	460	8.0	203	5/8	6	26.0	11.79
401492HT	Ratite/ACSS	1590.0	42/7	1.492	18.1	460	8.0	203	5/8	6	26.0	11.79
401504HT	Lapwing/ACSS	1590.0	45/7	1.504	18.1	460	8.0	203	5/8	6	26.0	11.79
401544HT	Falcon/ACSS	1590.0	54/19	1.544	18.1	460	8.0	203	5/8	6	26.0	11.79
401602HT	Chukar/ACSS	1780.0	84/19	1.602	18.1	460	8.0	203	5/8	6	26.0	11.79
401681HT	Mockingbird/ACSS	2034.5	72/7	1.681	18.1	460	8.0	203	5/8	6	26.0	11.79
401700HT	Roadrunner/ACSS	2057.0	76/19	1.700	18.1	460	8.0	203	5/8	6	26.0	11.79
401762HT	Bluebird/ACSS	2156.0	84/19	1.762	20.9	532	8.0	203	5/8	7	32.0	14.51
401735HT	Kiwi/ACSS	2167.0	72/7	1.735	18.1	460	8.0	203	5/8	6	26.0	11.79
401802HT	Thrasher/ACSS	2312.0	76/19	1.802	20.9	532	8.0	203	5/8	7	32.0	14.51
401880HT	Joree/ACSS	2515.0	76/19	1.880	20.9	532	8.0	203	5/8	7	32.0	14.51

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HiTemp® Comealongs for ACSS/TW Conductor, 410000HT Series



The 410000HT Series Comealong is specifically design for ACSS/TW conductors. Each comealong is tested and identified for a specific conductor size.

Fully annealed strands of ACSS/TW conductor will relax in a properly fitted comealong. This relaxation will result in a reduction in clamping force over time. ACSS/TW conductors set quickly, resulting in larger amounts of creep in a shorter period of time compared to ACSR conductors. Therefore, comealongs are NOT intended for use as dead ends and are NOT recommended to hold conductors at sag tension limits for longer than 6 hours.

Ordering Instructions

Select the Comealong catalog number based on the conductor being used.

Example:

For 795 Drake ACSS/TW Conductor, the Comealong catalog number would be:

410993HT

Notes:

1. For every two Comealongs ordered, the customer must furnish AFL a minimum of 10 feet of the specified conductor. All Comealongs are 100% tension tested.
2. Installation Instructions for Comealongs are on pages 516 and 517.

CATALOG NUMBER	CONDUCTOR					DIMENSION				EYE BOLTS		TOTAL WEIGHT	
	CODE WORD	SIZE	TYPE	STRANDING	DIAMETER	A		B					
		kcmil		AL/ST	in.	in.	mm	in.	mm	SIZE	NO.	lbs	kg
410693HT	Oriole/ACSS/TW	336.4	23	18 /7	0.693	11.0	279	8.0	203	1/2	4	9.0	4.08
410776HT	Flicker/ACSS/TW	477.0	13	18 /7	0.776	11.0	279	8.0	203	1/2	4	9.0	4.08
410789HT	Hawk/ACSS/TW	477.0	16	18 /7	0.789	11.0	279	8.0	203	1/2	4	9.0	4.08
410825HT	Hen/ACSS/TW	477.0	23	18 /7	0.825	12.5	318	8.0	203	5/8	4	16.0	7.26
410835HT	Parakeet/ACSS/TW	556.5	13	18 /7	0.835	12.5	318	8.0	203	5/8	4	16.0	7.26
410852HT	Dove/ACSS/TW	556.5	16	20 /7	0.852	12.5	318	8.0	203	5/8	4	16.0	7.26
410846HT	Mohawk/ACSS/TW	571.7	13	18/7	0.846	12.5	318	8.0	203	5/8	4	16.0	7.26
410858HT	Calumet/ACSS/TW	565.3	16	18/7	0.858	12.5	318	8.0	203	5/8	4	16.0	7.26
410890HT	Rook/ACSS/TW	636.0	13	19 /7	0.890	12.5	318	8.0	203	5/8	4	16.0	7.26
410908HT	Grosbeak/ACSS/TW	636.0	16	20 /7	0.908	12.5	318	8.0	203	5/8	4	16.0	7.26
410953HT	Scoter/ACSS/TW	636.0	23	18 /7	0.953	12.5	318	8.0	203	5/8	4	16.0	7.26
410927HT	Oswego/ACSS/TW	664.8	16	20/7	0.927	12.5	318	8.0	203	5/8	4	16.0	7.26
410913HT	Mystic/ACSS/TW	666.6	13	20/7	0.913	12.5	318	8.0	203	5/8	4	16.0	7.26
410977HT	Maumee/ACSS/TW	768.2	13	20/7	0.977	12.5	318	8.0	203	5/8	4	16.0	7.26
410990HT	Wabash/ACSS/TW	762.8	16	20/7	0.990	12.5	318	8.0	203	5/8	4	16.0	7.26
410960HT	Tern/ACSS/TW	795.0	7	17 /7	0.960	12.5	318	8.0	203	5/8	4	16.0	7.26
410980HT	Puffin/ACSS/TW	795.0	10	18 /7	0.980	12.5	318	8.0	203	5/8	4	16.0	7.26
410993HT	Condor/ACSS/TW	795.0	13	20 /7	0.993	12.5	318	8.0	203	5/8	4	16.0	7.26
411010HT	Drake/ACSS/TW	795.0	16	20 /7	1.010	12.5	318	8.0	203	5/8	4	16.0	7.26
411080HT	Canary/ACSS/TW	900.0	13	30 /7	1.080	12.5	318	8.0	203	5/8	4	16.0	7.26
411077HT	Fraser/ACSS/TW	946.7	10	35/7	1.077	12.5	318	8.0	203	5/8	4	16.0	7.26
411044HT	Phoenix/ACSS/TW	954.0	5	30 /7	1.044	12.5	318	8.0	203	5/8	4	16.0	7.26

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HiTemp® Comealongs for ACSS/TW Conductor, 410000HT Series (cont.)

CATALOG NUMBER	CONDUCTOR					DIMENSION				EYE BOLTS		TOTAL WEIGHT	
						A		B					
	CODE WORD	SIZE	TYPE	STRANDING	DIAMETER								
		kcmil		AL/ST	in.	in.	mm	in.	mm	SIZE	NO.	lbs	kg
411061HT	Rail/ACSS/TW	954.0	7	32 /7	1.061	12.5	318	8.0	203	5/8	4	16.0	7.26
411060HT	Kettle/ACSS/TW	957.2	7	32/7	1.060	12.5	318	8.0	203	5/8	4	16.0	7.26
411092HT	Columbia/ACSS/TW	966.2	13	21/7	1.092	12.5	318	8.0	203	5/8	4	16.0	7.26
411108HT	Suwannee/ACSS/TW	959.6	16	22/7	1.108	12.5	318	8.0	203	5/8	4	16.0	7.26
411089HT	Snowbird/ACSS/TW	1033.5	5	30 /7	1.089	12.5	318	8.0	203	5/8	4	16.0	7.26
411102HT	Ortolan/ACSS/TW	1033.5	7	32 /7	1.102	12.5	318	8.0	203	5/8	4	16.0	7.26
411128HT	Curlew/ACSS/TW	1033.5	13	22 /7	1.128	12.5	318	8.0	203	5/8	4	16.0	7.26
411131HT	—	1080.0	7	20/7	1.131	12.5	318	8.0	203	5/8	4	16.0	7.26
411129HT	Avocet/ACSS/TW	1113.0	5	30 /7	1.129	12.5	318	8.0	203	5/8	4	16.0	7.26
411143HT	Bluejay/ACSS/TW	1113.0	7	33 /7	1.143	12.5	318	8.0	203	5/8	4	16.0	7.26
411185HT	Finch/ACSS/TW	1113.0	13	38 /19	1.185	18.1	460	8.0	203	5/8	6	26.0	11.79
411165HT	Genesee/ACSS/TW	1158.0	7	33/7	1.165	12.5	318	8.0	203	5/8	4	16.0	7.26
411196HT	Hudson/ACSS/TW	1158.4	13	26/7	1.196	18.1	460	8.0	203	5/8	6	26.0	11.79
411155HT	Cheyenne/ACSS/TW	1168.1	5	30/7	1.155	12.5	318	8.0	203	5/8	4	16.0	7.26
411167HT	Oxbird/ACSS/TW	1192.5	5	30 /7	1.167	18.1	460	8.0	203	5/8	6	26.0	11.79
411181HT	Bunting/ACSS/TW	1192.5	7	33 /7	1.181	18.1	460	8.0	203	5/8	6	26.0	11.79
411225HT	Grackle/ACSS/TW	1192.5	13	38 /19	1.225	18.1	460	8.0	203	5/8	6	26.0	11.79
411245HT	Yukon/ACSS/TW	1233.6	13	38/19	1.245	18.1	460	8.0	203	5/8	6	26.0	11.79
411213HT	Nelson/ACSS/TW	1257.1	7	35/7	1.213	18.1	460	8.0	203	5/8	6	26.0	11.79
411202HT	Scissortail/ACSS/TW	1272.0	5	30 /7	1.202	18.1	460	8.0	203	5/8	6	26.0	11.79
411203HT	Catawba/ACSS/TW	1272.0	5	30/7	1.203	18.1	460	8.0	203	5/8	6	26.0	11.79
411220HT	Bittern/ACSS/TW	1272.0	7	35 /7	1.220	18.1	460	8.0	203	5/8	6	26.0	11.79
411264HT	Pheasant/ACSS/TW	1272.0	13	39 /19	1.264	18.1	460	8.0	203	5/8	6	26.0	11.79
411290HT	Thames/ACSS/TW	1334.6	13	39/19	1.290	18.1	460	8.0	203	5/8	6	26.0	11.79
411256HT	Dipper/ACSS/TW	1351.5	7	35 /7	1.256	18.1	460	8.0	203	5/8	6	26.0	11.79
411300HT	Martin/ACSS/TW	1351.5	13	39 /19	1.300	18.1	460	8.0	203	5/8	6	26.0	11.79
411259HT	Mackenzie/ACSS/TW	1359.7	7	36/7	1.259	18.1	460	8.0	203	5/8	6	26.0	11.79
411248HT	Truckee/ACSS/TW	1372.5	5	30/7	1.248	18.1	460	8.0	203	5/8	6	26.0	11.79
411291HT	Bobolink/ACSS/TW	1431.0	7	36 /7	1.291	18.1	460	8.0	203	5/8	6	26.0	11.79
411337HT	Plover/ACSS/TW	1431.0	13	37 /19	1.337	18.1	460	8.0	203	5/8	6	26.0	11.79
411340HT	Merrimack/ACSS/TW	1433.6	13	39/19	1.340	18.1	460	8.0	203	5/8	6	26.0	11.79
411302HT	Miramichi/ACSS/TW	1455.3	7	36/7	1.302	18.1	460	8.0	203	5/8	6	26.0	11.79
411292HT	St. Croix/ACSS/TW	1467.8	5	33/7	1.292	18.1	460	8.0	203	5/8	6	26.0	11.79
411382HT	Rio Grande/ACSS/TW	1533.3	13	39/19	1.382	18.1	460	8.0	203	5/8	6	26.0	11.79
411345HT	Potomac/ACSS/TW	1557.4	7	36/7	1.345	18.1	460	8.0	203	5/8	6	26.0	11.79
411334HT	Platte/ACSS/TW	1569.0	5	33/7	1.334	18.1	460	8.0	203	5/8	6	26.0	11.79
411358HT	Lapwing/ACSS/TW	1590.0	7	36 /7	1.358	18.1	460	8.0	203	5/8	6	26.0	11.79
411408HT	Falcon/ACSS/TW	1590.0	13	42 /19	1.408	18.1	460	8.0	203	5/8	6	26.0	11.79
411424HT	Pecos/ACSS/TW	1622.0	13	39/19	1.424	18.1	460	8.0	203	5/8	6	26.0	11.79
411386HT	Schuylkill/ACSS/TW	1657.4	7	36/7	1.386	18.1	460	8.0	203	5/8	6	26.0	11.79
411470HT	James/ACSS/TW	1730.6	13	34/19	1.470	18.1	460	8.0	203	5/8	6	26.0	11.79
411427HT	Pee Dee/ACSS/TW	1758.6	7	37/7	1.427	18.1	460	8.0	203	5/8	6	26.0	11.79
411445HT	Chukar/ACSS/TW	1780.0	8	37 /19	1.445	18.1	460	8.0	203	5/8	6	26.0	11.79
411545HT	Cumberland/ACSS/TW	1926.9	13	42/19	1.545	18.1	460	8.0	203	5/8	6	26.0	11.79
411504HT	Athabaska/ACSS/TW	1949.6	7	42/7	1.504	18.1	460	8.0	203	5/8	6	26.0	11.79
411602HT	Powder/ACSS/TW	2153.8	8	64/19	1.602	18.1	460	8.0	203	5/8	6	26.0	11.79
411608HT	Bluebird/ACSS/TW	2156.0	8	64 /19	1.608	18.1	460	8.0	203	5/8	6	26.0	11.79
411762HT	Santee/ACSS/TW	2627.3	8	64/19	1.762	18.1	460	8.0	203	5/8	6	26.0	11.79

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Installation Instructions

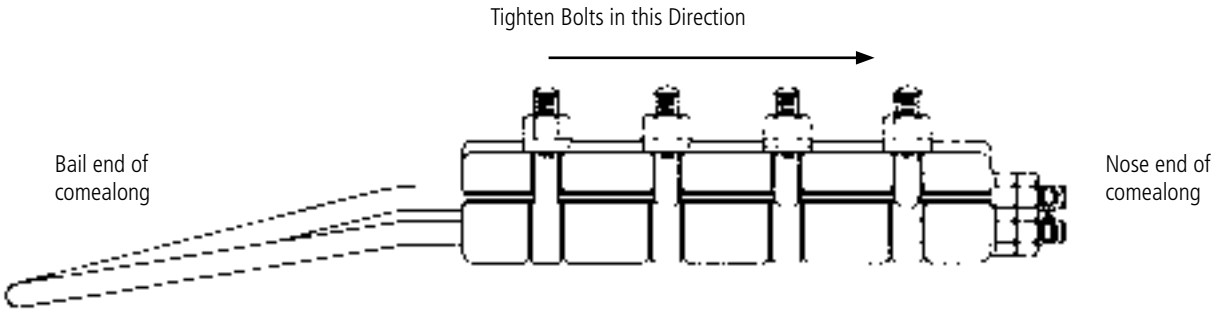
Comealongs

Unused Comealongs

1. Loosen bolts so that the comealong may be opened sufficiently. Check for cleanliness of bore and permit conductor entry into the conductor groove.
2. Position the comealong a minimum of 10 feet from the dead end or joint being installed. This will assist in reducing the potential for birdcaging of the conductor during compression.
3. Place the conductor into the conductor groove of the comealong, then close the comealong and finger tighten the bolts.
4. Using a torque wrench, tighten bolts in sequence from bail end to nose of the comealong (see diagram below). It will take a minimum of 6 passes to achieve the correct torque on each bolt. On the first pass, tighten the bolts to 80% of the target torque (1/2″ bolt - 32 lb ft, 5/8″ bolt - 48 lb ft). On each subsequent pass, tighten the bolts to the target torque (1/2″ bolt - 40 lb ft, 5/8″ bolt - 60 lb ft), ensuring proper clamping force is achieved.

Used Comealongs

1. Comealongs must receive periodic maintenance. This practice should consist of a thorough cleaning with close inspection for nicked or rough conductor grooves, cracked body, bent eyebolts or damaged bails. The eyebolts should be kept clean and oiled (McLube 1708L or equivalent). If any damage is found, the comealong should be disposed of properly.
2. After cleaning, each comealong should be subjected to a pull test equal to the rated strength stamped on the comealong.
3. Follow sequence 1 through 4 for Unused Comealongs above.



WARNING: Comealongs are not intended for use as dead ends and are not recommended to hold conductors at sag tension limits for longer than 6 hours.

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Installation Instructions

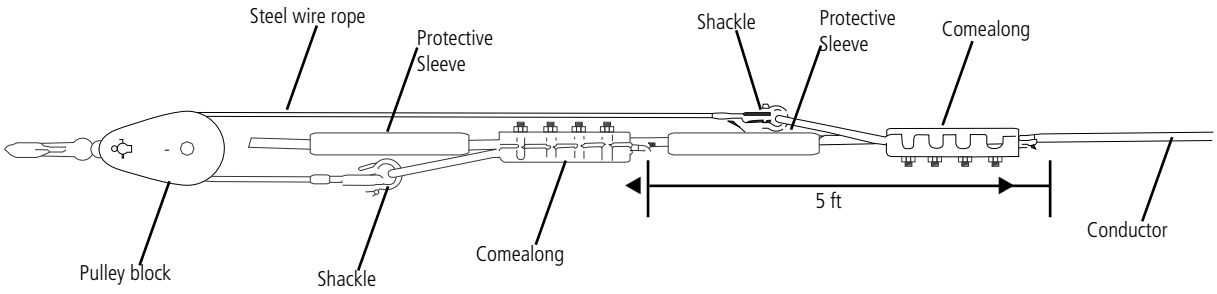
Comealongs

Using Comealongs in Tandem

1. If the installation tension is greater than the rated strength of one comealong, then comealongs must be used in tandem. The comealong bails should be bridled with a sling (consisting of shackles and wire rope) and pulley block to insure equal distribution of the load. To prevent damage to the conductor by the shackles, place protective sleeves over the conductor (per drawing above).

2. The rated strength of this tandem configuration is 150% of the lowest rated comealong. For example, if one comelaong is rated for 8,000 lbs and the other rated for 10,000 lbs, then these two comealongs in tandem will have a rated strength of 12,000 lbs (150% of 8,000 lbs).

   For more information on using comealongs in tandem, contact the AFL Technical Support Team at 1.800.866.7385.



WARNING: Comealongs are not intended for use as dead ends and are not recommended to hold conductors at sag tension limits for longer than 6 hours.

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Table of Contents

Compounds Pictorial Index 516
HiTemp® Universal Compound (HiTUC) 517
AFL No. 2 Electrical Joint Compound 518
Alnox Electrical Joint Compound 519
Alnox UG Electrical Joint Compound 520
AFL Filler Compound 521
HiTemp® AFL Filler Compound (AFCHT™) 522

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Pictorial Index

COMPOUNDS

HiTemp® Universal Compound (HiTUC)
pg. 517



AFL No. 2 Electrical Joint Compound
pg. 518



Alnox Electrical Joint Compound
pg. 519



Alnox UG Electrical Joint Compound
pg. 520



AFL Filler Compound
pg. 521



HiTemp® AFL Filler Compound (AFCHT™)
pg. 522



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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).

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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)

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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 1.800.866.7385.

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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 1.800.866.7385.

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Alnox UG Electrical Joint Compound

Alnox UG is recommended for use in underground applications. It is recommended for Aluminum to Aluminum and Aluminum to Copper connections where compatibility to rubber products is required. It has the same chara cteristics as Alnox, but with less electrical efficiency. Stored in a dry environment, Alnox UG has an infinite shelf life.



Features

Low Electrical Resistance
Alnox UG contains extremely hard metallic particles with sharp, irregular shapes of carefully controlled grain size. This forms many metal to metal contact points for low resistance connections.

Weather Resistant
Alnox UG adheres to pad surfaces and parallel groove clamps, protecting the connection against the environment.

Wide Temperature Tolerance
It is workable at low temperatures , -18°C (0°F) and will not drip below 190° C (375° F).

Applications

- Flat to flat connections below 190° C (375° F) such as bus to bus, dead end terminals, aluminum to aluminum and aluminum to copper
- Parallel groove clamps
- Underground applications

Ordering Information

CATALOG NUMBER	PACKAGING
ALNOXUG10T	8.82 oz tube (250 g), carton of 10 tubes
ALNOXUG12CAN	One pound can (.45 kg), carton of 12 cans
ALNOXUG1GAL	One gallon pail, 10 Lbs (4.5 kg)
ALNOXUG5GAL	Five gallon pail, 50 Lbs (22.7 kg)

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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 1.800.866.7385.

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HiTemp® AFL Filler Compound (AFCHT™)

HiTemp AFL Filler Compound (AFCHT) is the recommended filler for compression fittings due to its ability to improve the mechanical holding strength and conductivity of the connection. It has been designed to withstand the increased temperatures of high temperature/low sag conductors (ACSS and ACCR). Kept in a dry place, AFCHT has an infinite shelf life.



Application

Filler Compound for compression accessories installed on conductors operating at temperatures up to 250°C (482°F). Compression accessories include dead ends, joints, terminals and jumper connectors.

Features

Wide Temperature Tolerance
AFCHT has a wide temperature range. It is workable at low temperatures and does not drip at high temperatures. It has a melting point above 250°C (482°F).

Improves Holding Strength and Conductivity
AFCHT contains hard metallic and non-metallic particles, otherwise known as 'grit'. During compression, the compound grit is embedded between the conductor and the accessory, creating an irregular surface. This irregular surface has two features: (1) increases the holding strength when tension is applied and (2) improves conductivity by forming a bare metal to metal connection.

Moisture Resistant
As the accessory is compressed, AFCHT is forced between the conductor strands, sealing out the harmful effects of water.

Fits Standard Caulking Gun
For easy filling of compression accessories, AFCHT is available in a tube that fits a standard caulking gun.

Ordering Information

AFL NO.	PACKAGING
AFCHT10T	Carton of 10, 1 lb. (451 g) Tubes - Fits Standard Caulking Gun
AFCHT1GAL	1 Gallon Pail, 11 lbs. (5 kg)
AFCHT5GAL	5 Gallon Pail, 55 lbs. (25 kg)

For more information, contact the AFL Technical Support Team at 1.800.866.7385.

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Table of Contents

Tools and Equipment Pictorial Index 524

Hydraulics

60AGSC Hydraulic Press 527
60S/DC Hydraul1ic Press 528
100A Hydraulic Press 529
15GBM Gas Hydraulic Pump. 530
30GBM Gas Hydraulic Pump. 531
30GHR Gas Hydraulic Pump 532
PE-NUT Electric Two-Speed Pump 533
Hydraulic Hoses 534

Compression Dies

AH and SH Compression Dies—B Series 535
AH, CD and SH Compression Dies—30 Ton Series. 536
AH, SH and GW Compression Dies—60 Ton Series 537
AH and SH Compression Dies—100 Ton Series. 538
CD Compression Dies—B Series. 539
CD Compression Dies—60 Ton Series. 540
CD Compression Dies—100 Ton Series. 541

Tools and Equipment Reference Materials

Pump and Press Combinations 542
Tool Safety Information 543
Warranty 544

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Pictorial Index

TOOLS AND EQUIPMENT

60AGSC Hydraulic Press
pgs. 527



60-Ton Hydraulic Press
pgs. 528



100-Ton Hydraulic Press
pg. 529



15GBM Gas Hydraulic Pump
pg. 530



30GBM Gas Hydraulic Pump
pgs. 531



30GHR Gas Hydraulic Pumps
pgs. 532



PE-NUT Electric Two-Speed Pump
pg. 533



Hydraulic Hoses
pg. 534



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Pictorial Index

COMPRESSION DIES

B Series
AH, SH: pg. 535 CD: pg. 539



30 Ton Series
AH, CD, SH: pg. 536



60 Ton Series
AH, SH, GW: pg. 538 CD: pg. 540



100 Ton Series
AH, SH: pg. 538 CD: pg. 541



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60AGSC Hydraulic Press

The 60AGSC press is a portable 60-ton construction and maintenance tool designed to cover a full range of compression accessories requiring die sizes up to and including 40AH.



Features

- 60 tons of force
- Larger capacity for transmission and distribution applications
- Easy die installation
- Optional hinged flip-top head with eyes suitable for hotline work
- Capacity for all 60 ton U- or shell-type dies
- Metal carrying case
- Lightweight and portable
- Includes ground stand
- Pressure matched female quick coupler supplied

Technical Data

Parameter	Value
Crimping Force	62.8 US Tons (57.0 Metric Tons)
Operating Pressure	10,000 PSI 70,000 kPa (700 bar)
Crimping Capacity	1590 MCM (804.54 mm2) Aluminum and Copper
Overall Length	9.00 in (22.90 cm)
Overall Width	8.50 in (21.60 cm)
Overall Height	17.75 in (45.10 cm)
Tool Weight	42.0 lbs (19.1 kg)

Ordering Information

AFL No.	Description
60AGSC	60 Ton Press with Metal Case and Ground Stand

WARNING: Do not operate any compression tool without dies.

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60S/DC Hyrdraulic Press

The 60-Ton Single or Double-Acting Press is unsurpassed in the industry. The compression tool develops 60 tons of force at 10,000 PSI for the installation of electrical compression fittings. The major feature of this tool is a double-acting ram head. The result is more positive retraction, which reduces cycle time. A special piston facilitates operation in single or double-acting mode.



Features

- 60 tons of force
- Larger capacity for transmission and distribution applications
- Easy die installation
- Double-acting conversion kit included
- Hinged flip-top head
- Carrying handle for portability
- Pressure matched quick couplers supplied
- Metal carrying case

Technical Data

PARAMETER	VALUE
Crimping Force	62.8 US Tons (57.0 Metric Tons)
Operating Pressure	10,000 PSI 70,000 kPa (700 bar)
Crimping Capacity	1590 MCM (804.54 mm2) Aluminum and Copper
Overall Length	11.3 in (28.72 cm)
Overall Width	6.0 in (15.24 cm)
Overall Height	17.04 in (43.28 cm)
Tool Weight	72.0 lbs (32.65 kg)

Ordering Information

AFL NO.	DESCRIPTION
60S/DC	60 Ton Single/Double Acting Press with Metal Case

WARNING: Do not operate any compression tool without dies.

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100A Hydraulic Press

The 100A Single or Double Acting Press is designed for the installation of compression fittings. The 100A develops 100 tons of force at 10,000 PSI. A special piston facilitates operation in single or double acting mode. Redesigned for portability, the press now weighs 95 pounds.



Features

- 100 tons of force
- Larger capacity for transmission and distribution applications
- Easy die installation
- Carrying handles for portability
- Capacity for all U or shell-type dies
- Metal carrying case
- Pressure matched quick coupler supplied
- Double acting conversion kit included
- Suspension eye supplied

Technical Data

PARAMETER	VALUE
Crimping Force	100.0 US Tons (90.8 Metric Tons)
Operating Pressure	10,000 PSI 70,000 kPa (700 bar)
Crimping Capacity	Up to 3.25 in (8.26 cm) conductor diameter
Overall Width	8.25 in (20.96 cm)
Overall Height	15.00 in (38.10 cm)
Tool Weight	95.0 lbs (43.2 kg)

Ordering Information

AFL NO.	DESCRIPTION
100A	100 Ton Single/Double Acting Press with Metal Case

WARNING: Do not operate any compression tool without dies.

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15GBM Gas Hydraulic Pump

The 15GBM is a gas powered pump that produces 10,000 PSI of hydraulic pressure. It is designed to handle any high pressure tool up to and including the 60 ton press. The two-stage pumping system allows for rapid ram advance. The "suc-o-matic" valve helps tools retract faster. The manual control has three settings: advance, hold and retract. Whether making one crimp or 1,000 crimps, the 15GBM is the lightweight, portable answer.



Features

- 10,000 PSI high-pressure pump
- Powered by a 3.75 HP Briggs and Stratton engine
- Manual control valve
- Designed to operate single acting tools
- High pressure relief valve
- Pressure matched quick coupler supplied
- Protective carrying cage
- "Suc-o-matic" valve reduces retraction time
- Sight gauge to determine hydraulic oil level

Technical Data

PARAMETER	VALUE
Gas Powered Motor	3.75 HP Briggs and Stratton Engine
Control	Manual control valve
Oil Delivery per minute	400 cu in @ 600 PSI 50 cu in @ 10,000 PSI
Oil Reservoir	2 gallons (7.40 liters)
Overall Length	12.25 in (31.12 cm)
Overall Width	12.25 in (31.13 cm)
Overall Height	20.25 in (51.44 cm)
Pump Weight with oil	53 lbs (24.09 kg)

Ordering Information

AFL NO.	DESCRIPTION
15GBM	10,000 PSI Gas Powered Hydraulic Pump with Manual Control

WARNING: Do not operate any compression tool without dies.

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30GBM Gas Hydraulic Pump

The 30GBM is a gas powered pump that produces 10,000 PSI of hydraulic pressure. It is designed to operate any 10,000 PSI compression tool. The two-stage pumping system allows for rapid ram advance. The "suc-o-matic" valve helps tools retract faster. The manual control has three settings: advance, hold and retract. The 30GBM is designed for continuous duty.



Features

- 10,000 PSI high-pressure pump
- Powered by a 6 HP Briggs and Stratton engine
- Manual control valve
- Designed to operate single acting tools only
- High pressure relief valve
- Pressure matched quick coupler supplied
- Protective carrying cage
- Sight gauge to determine hydraulic oil level

Technical Data

PARAMETER	VALUE
Gas Powered Motor	6.0 HP Briggs and Stratton Engine
Control	Manual control valve
Oil Delivery per minute	430 cu in @ 400 PSI 125 cu in @ 10,000 PSI
Oil Reservoir	2 gallons (7.40 liters)
Overall Length	21.75 in (55.25 cm)
Overall Width	19.75 in (50.17 cm)
Overall Height	24.50 in (62.23 cm)
Pump Weight with oil	135 lbs (61.36 kg)

Ordering Information

AFL NO.	DESCRIPTION
30GBM	10,000 PSI Gas Powered Hydraulic Pump with Manual Control

WARNING: Do not operate any compression tool without dies.

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30GHR Gas Hydraulic Pump

The 30GHR is a gas powered pump that produces 10,000 PSI of hydraulic pressure. The two-stage pumping system allows for rapid ram advance. The unloading pressure of the pump is 1,000 PSI. The 30GHR comes with a remote control with a 10 foot cord and is designed for continuous duty.



Features

- 10,000 PSI high-pressure pump
- Powered by a 5.5 HP Honda engine
- Remote control with 10 foot cord
- Designed to operate single acting and double acting tools
- High-pressure relief valve
- Pressure matched quick coupler supplied
- Protective carrying cage
- Sight gauge to monitor hydraulic oil level

Technical Data

PARAMETER	VALUE
Gas Powered Motor	5.5 HP Honda Engine
Control	Remote Control with 10 foot cord
Oil Delivery per minute	430 cu in @ 400 PSI 125 cu in @ 10,000 PSI
Oil Reservoir	2 gallons (7.40 liters)
Overall Length	21.75 in (55.25 cm)
Overall Width	19.75 in (50.17 cm)
Overall Height	24.50 in (62.23 cm)
Pump Weight with oil	135 lbs (61.36 kg)

Ordering Information

AFL NO.	DESCRIPTION
30GHR	10,000 PSI Gas Powered Hydraulic Pump with Remote Control

WARNING: Do not operate any compression tool without dies.

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PE-NUT Electric Two-Stage Pump

The PE-NUT Electric Two-Stage Pump is extremely durable yet lightweight. It will operate under low-line voltage conditions. The two-stage pumping system of this unique, intermittent-duty pump is designed for years of dependable service. The PE-NUT pump is ideal for running any 10,000 PSI tool up to and including the 60 ton press.



CAUTION: Designed for Crimping Application Only! This system should not be used for lifting.

Features

- 5/8 HP universal electric motor (50/60 cycle)
- Two-stage pump for rapid ram advance
- Operational under low-line voltage conditions
- Optional operating pressures available; consult AFL for details
- Designed for use with spring-returned remote tools
- High-pressure safety relief valve
- Remote hand control with 10-foot cord
- Carrying handle
- Factory filled oil reservoir
- Pressure matched quick-coupler supplied
- Optional carrying case
- Unique, intermittent duty pump
- Piston-type high-pressure pump supercharged by a low-pressure pump

Specifications

PARAMETER	VALUE
Electric Motor	5/8 HP dual phase, 115 VAC, 50/60 Hz, 11 amps
Electric Control	Remote control with 10-foot cord
Oil Delivery per minute	160 cu. in. per min. @ 100 PSI 30 cu. in. per min. @ 10,000 PSI
Oil Reservoir	0.4 gallon (1.5 liters)
Overall Length	14.38 in (36.53 cm)
Overall Width	6.5 in (16.51 in)
Overall Height	8.25 in (20.95 in)
Pump Weight with oil	28 lbs (12.70 kg)

Ordering Information

AFL NO.	DESCRIPTION
PE-NUTC	10,000 PSI Electric Two-Stage Pump with Remote Control and Case

WARNING: Do not operate any compression tool without dies.

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Specifications are subject to change without notice.

Hydraulic Hoses

The 1/4" (0.635 cm) non-conductive, orange hose is made of an insulated, synthetic material. It allows a high flow rate for faster ram movement. Hoses are available with or without couplers for operating pressures of 10,000 PSI with a 4-to-1 burst ratio. Hoses are pre-filled with oil and pressure tested. The hoses are 3/8" NPT male thread on both ends and quick disconnects are 3/8" NPT female.



Ordering Information

AFL NO.	DESCRIPTION
6HOSEM/M	6 Foot Hose with Male/male Couplers (1.83 Meters)
10HOSEM/M	10 Foot Hose with Male/male Couplers (3.04 Meters)
15HOSEM/M	15 Foot Hose with Male/male Couplers (4.37 Meters)
25HOSEM/M	25 Foot Hose with Male/male Couplers (7.62 Meters)
6HOSEM/F	6 Foot Hose with Male/female Couplers (1.83 Meters)
10HOSEM/F	10 Foot Hose with Male/female Couplers (3.04 Meters)
15HOSEM/F	15 Foot Hose with Male/female Couplers (4.37 Meters)
25HOSEM/F	25 Foot Hose with Male/female Couplers (7.62 Meters)

WARNING: Hoses connecting hydraulic equipment should not extend straight upward more than 25 feet (7.6 meters).

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AH and SH Compression Dies—B Series

The B Series AH and SH Dies are designed to compress Standard Compression Accessories. These dies are to be used with presses that hold 12-ton dies (U-type).



Ordering Information

AFL NO.	DIE SECTION	WEIGHT	
		LBS	KG
B11AH	O	0.53	0.24
B-D	D	0.46	0.21
B-N	N	0.22	0.10
B72SH-01SH	01SH	0.59	0.27
B02SH	02SH	0.49	0.22
B74SH-03SH	03SH	0.49	0.22
B04SH	04SH	0.47	0.21
B75SH-05SH	05SH	0.45	0.20
B06AH	06AH	0.72	0.33
B07AH	07AH	0.70	0.32
B73AH-08AH	08AH	0.72	0.33
B09AH	09AH	0.66	0.30
B74AH-10AH	10AH	0.63	0.29
B11AH	11AH	0.53	0.24
B75AH-12AH	12AH	0.49	0.22
B13AH	13AH	0.43	0.20
B20AH-14AH	14AH	0.33	0.15
B15AH	15AH	0.28	0.13
B71AH	71AH	0.72	0.33
B72AH	72AH	0.69	0.31
B72SH-01SH	72SH	0.59	0.27
B73AH-08AH	73AH	0.72	0.33
B73SH	73SH	0.55	0.25
B74AH-10AH	74AH	0.63	0.29
B74SH-03SH	74SH	0.49	0.22
B75AH-12AH	75AH	0.49	0.22
B75SH-05SH	75SH	0.45	0.20
B76AH	76AH	0.38	0.17
B76SH	76SH	0.47	0.21
B76.1SH	76.1SH	0.53	0.24
B10SH	77SH	0.42	0.19
B10SH	10SH	0.42	0.19
B20AH-14AH	20AH	0.33	0.15

WARNING: Do not operate any compression tool without dies.

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AH, CD, and SH Compression Dies—30 Ton Series

The 30 Ton AH and SH Dies are designed to compress Standard Compression Accessories and HiTemp® Compression Accessories. The 30 Ton CD Dies are designed to compress Quick Compress® Accessories. These dies are to be used with the Model 30 A press.



Ordering Information

AFL NO.	DIE SECTION	WEIGHT	
		LBS	KG
3007CD	07CD	2.2	1.00
3008CD	08CD	2.2	1.00
3009CD	09CD	2.0	.91
3010CD	10CD	2.0	.91
3011CD	11CD	2.0	.91
3000D	D	1.8	.82
3000N	N	1.7	.77
3072SH-01SH	01SH	1.8	.82
3002SH	02SH	1.8	.82
3074SH-03SH	03SH	1.8	.82
3075SH-05SH	05SH	1.8	.82
3006AH	06AH	2.6	1.18
3007AH	07AH	2.4	1.09
3073AH-08AH	08AH	2.4	1.09
3009AH	09AH	2.4	1.09
3074AH-10AH	10AH	2.4	1.09
3011AH	11AH	2.4	1.09
3075H-12AH	12AH	2.2	1.00
3013AH	13AH	2.2	1.00
3020AH-14AH	14AH	1.9	.86
3015AH	15AH	1.8	.82
3071AH	71AH	2.6	1.18
3072AH	72AH	2.6	1.18
3072SH-01SH	72SH	1.8	.82
3073AH-08AH	73AH	2.4	1.09
3073SH	73SH	1.8	.82
3074AH-10AH	74AH	2.4	1.09
3074SH-03SH	74SH	1.8	.82
3075AH-12AH	75AH	2.2	1.00
3075SH-05SH	75SH	1.8	.82
3076AH	76AH	1.9	.86
3076SH	76SH	1.7	.77
3010SH	10SH	1.6	.73
3012SH	12SH	1.6	.73
3014SH	14SH	1.6	.73
3020AH-14AH	20AH	1.9	.86
3024AH	24AH	1.6	.73
3027AH	27AH	1.5	.68
3030AH	30AH	1.3	.59

WARNING: Do not operate any compression tool without dies.

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Specifications are subject to change without notice.

AH, SH and GW Compression Dies—60 Ton Series

The 60 Ton AH and SH Dies are designed to compress Standard and HiTemp® Compression Accessories. The GW dies are used to compress fittings for Alumoweld® and steel ground wire. These dies are to be used with the 60S/DC and 60ASC presses.



Ordering Information

AFL NO.	DIE SECTION	WEIGHT	
		LBS	KG
6073AH	73AH	4.20	1.91
6074AH	74AH	4.10	1.86
6074SH	74SH	4.10	1.86
6075AH	75AH	4.90	2.22
6075SH	75SH	4.90	2.22
6076AH	76AH	4.70	2.13
6076SH	76SH	3.50	1.59
6076.1SH	76.1SH	3.50	1.59
6010SH	10SH	3.50	1.41
6012SH	12SH	3.30	1.50
6014SH	14SH	3.10	1.41
6016SH	16SH	2.90	1.32
6018SH	18SH	2.80	1.27
6020AH	20AH	4.60	2.09
6020SH	20SH	2.60	1.91
6024AH	24AH	4.20	1.91
6027AH	27AH	3.90	1.77
6030AH	30AH	3.50	1.59
6034AH	34AH	2.90	1.32
6036AH	36AH	2.80	1.27
6038AH	38AH	2.60	1.18
6040AH	40AH	2.20	1.00
6012GW	12GW	3.7	1.68
6014GW	14GW	3.7	1.68
6016GW	16GW	3.7	1.68

WARNING: Do not operate any compression tool without dies.

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AH and SH Compression Dies—100 Ton Series

The 100 Ton AH and SH Dies are designed to compress Standard and HiTemp® Compression Accessories. These dies are to be used with the 100A press.



Ordering Information

AFL NO.	DIE SECTION	WEIGHT	
		LBS	KG
10074AH	74AH	11.40	5.17
10074SH	74SH	10.00	4.54
10075AH	75AH	11.20	5.08
10075SH	75SH	10.00	4.54
10076AH	76AH	10.70	4.85
10076SH	76SH	9.50	4.31
10010SH	10SH	8.40	3.81
10012SH	12SH	7.90	3.58
10014SH	14SH	7.80	3.54
10016SH	16SH	7.80	3.54
10018SH	18SH	7.50	3.40
10020AH	20AH	10.40	4.72
10020SH	20SH	7.40	3.36
10024AH	24AH	9.80	4.44
10027AH	27AH	9.40	4.26
10030AH	30AH	8.90	4.04
10034AH	34AH	9.40	3.81
10036AH	36AH	8.10	3.67
10038AH	38AH	7.80	3.54
10040AH	40AH	7.60	3.45
10042AH	42AH	6.60	2.99
10044AH	44AH	6.30	2.86
10048AH	48AH	5.40	2.45

WARNING: Do not operate any compression tool without dies.

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CD Compression Dies—B Series

The B Series CD Dies are designed to compress Quick Compress® Accessories. These dies are to be used with presses that hold 12-ton dies (U-type).



Ordering Information

AFL NO.	DIE SECTION	WEIGHT	
		LBS	KG
B07CD	07CD	0.57	0.26
B08CD	08CD	0.54	0.24
B09CD	09CD	0.50	0.23

WARNING: Do not operate any compression tool without dies.

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CD Compression Dies—60 Ton Series

The 60 Ton CD Dies are designed to compress Quick Compress® Accessories. These dies are to be used with the 60S/DC and 60AGSC presses.



Ordering Information

AFL NO.	DIE SECTION	WEIGHT	
		LBS	KG
6007CD	07CD	4.30	1.95
6008CD	08CD	4.30	1.95
6009CD	09CD	4.10	1.86
6010CD	10CD	3.90	1.77
6011CD	11CD	3.60	1.63
6012CD	12CD	3.30	1.50
6013CD	13CD	3.00	1.63
6014CD	14CD	2.60	1.18
6015CD	15CD	3.20	1.45
6016CD	16CD	3.00	1.36
6017CD	17CD	2.70	1.22

WARNING: Do not operate any compression tool without dies.

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CD Compression Dies—100 Ton Series

The 100 Ton CD Dies are designed to compress Quick Compress® Accessories. These dies are to be used with the 100A press.



Ordering Information

AFL NO.	DIE SECTION	WEIGHT	
		LBS	KG
10007CD	07CD	11.80	5.35
10008CD	08CD	11.50	5.22
10009CD	09CD	11.10	5.03
10010CD	10CD	10.70	4.85
10011CD	11CD	10.30	4.67
10012CD	12CD	9.80	4.44
10013CD	13CD	9.30	4.22
10014CD	14CD	8.70	3.95
10015CD	15CD	8.10	3.67
10016CD	16CD	7.50	3.40
10017CD	17CD	6.80	3.08
10018CD	18CD	6.10	2.77
10019CD	19CD	6.20	2.81
10020CD	20CD	6.20	2.81

WARNING: Do not operate any compression tool without dies.

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Pump and Press Combinations

AFL PRESS	ELECTRIC PUMP	GASOLINE PUMP			HYDRAULIC BOOSTER	
	10AB	15GBM	30GBM	30GHR	25OM10C	25OMDA10C
14HTR	PC	PC	PC	PC	PC	NR
60AGSC	IC	PC	PC	PC	PC	NR
60S/DC	IC	PC	PC	PC	PC	PC
100A	X	BI	PC	PC	PC	PC

Key

BI: Backup and intermittent

IC: Intermittent or continuous duty

PC: Production Capability

X: Pump reservoir insufficient, not recommended

NR: Not Recommended

WARNING: Do not operate any compression tool without dies.

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Tool Safety Information

Magnaflux Test Requirements

For 60 and 100 Ton Presses

Erratic operation or extensive usage requires the inspection / repair by qualified service personnel. For the 60A and 100A Series, after two years of initial service or five thousand cycles, and each year or 2500 cycles thereafter, a magnaflux test should be made on all stress supports and pins. The magnetic particle inspection should be certified and marked on the press in the same area as the serial number. The magnaflux mark should contain 00 (month) 00 (year) - example 0797.

Tools that should be magnafluxed:

- 60AGSC
- 100A

General Usage and Care

For 60 and 100 Ton Presses

The 60 Ton and 100 Ton portable compressors are designed for the installation of electrical fittings whether in the shop or in the field. Either single acting (spring returned) or double acting (hydraulically returned) modes are available. Each unit is serial numbered (permanently marked) on the top of the piston housing base. The first two numbers of the serial number indicate the year the press was manufactured.

The greatest single cause of failure for any hydraulic equipment is dirt. Caution should be used to prevent the entry of foreign material into the equipment couplings, die retainers and swivel/locking pins. **OPERATE THE COMPRESSOR ONLY WITH THE TOP SUPPORT CLOSED AND SECURELY IN PLACE. DO NOT OPERATE COMPRESSION TOOLS WITHOUT DIES.**

WARNING: Do not operate any compression tool without dies.

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Warranty

AFL warrants to the original purchaser that its product shall be free from defects in material and workmanship as follows: Hand-held and remote compression tools, all pumps and boosters are warranted for one (1) year. Products which are defective and are not misused or abused will be repaired to original specifications free of charge.

Any tool returned under warranty in working condition will be reconditioned once free of charge during the warranty period. Any required repairs will be quoted at preferential pricing at the time of repair.

The warranty card included with each product must be returned to AFL at the time of purchase. AFL uses the same high quality parts for repair as were used in the original manufacture of the product.

Products returned for warranty repair require a return material authorization (RMA), available by phone, fax, mail or e-mail from AFL. All returned products must be shipped freight prepaid. AFL reserves the right to determine all warranty claims. Repair or re-work of parts, equipment or material beyond the warranty period will be done on a quoted basis.

TERMS OF WARRANTY

This non-transferable warranty does not apply to dies or accessories; in cases of alteration, accident, abuse or misuse; or in cases of disassembly or repair by anyone other than AFL. Failure to maintain purchased products according to the seller's maintenance instructions will invalidate the warranty. The extent of AFL's obligation under the above written warranty is to repair or replace FOB the original point of delivery any products which are defective. No additional remedies are available to the purchaser.

LIMITATION OF LIABILITY

It is the user's responsibility to adhere to all normal safety procedures and regulations as specified by OSHA, other regulatory bodies and company safety practices and procedures. AFL is not responsible for injuries that occur to users of these products. Except as provided above, AFL MAKES NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, AND SPECIFICALLY DISCLAIMS THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR PARTICULAR USE. In no event will AFL be liable for more than the purchase price of the product.

This warranty also applies outside the United States and Canada with certain limitations and restrictions. Contact AFL or your local distributor or representative for additional information.

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Table of Contents

Clamps and Connectors Pictorial Index 546
Universal Groove Clamps Overview. 547
Distribution Parallel Groove Clamps 548
Center Bolt Clamps 548
U-Bolt Clamps 549

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Pictorial Index

CLAMPS AND CONNECTORS

Distribution Parallel Groove Clamps
pg. 548



Center Bolt Clamps
pgs. 548



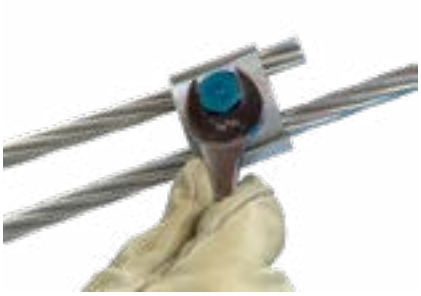
U-Bolt Clamps
pg. 549



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Universal Groove Clamps

Through extensive research, AFL has developed a "universal groove" design which accept a range of conductor sizes. The blended radii proved to be the shape that accommodates a wide range of conductors and have the desired low electrical resistance for each conductor size. This patented groove shape is utilized in all of AFL's clamps and connectors.



Positive Alignment and Weather Protection

Extended lip aligns clamp as bolt is tightened. Clamp base section forms a weather shield for the grooves. Compound stays in place, connections last longer.



Corrosion Resistant Lubricated Hardware

Bolts are made of high-strength aluminum alloy and maintain high contact pressure during heating and cooling cycles (bolts, extrusions and conductors have the same coefficients). Bolts have an Alumilite 205 finish and are coated with a lubricant for additional corrosion protection and reduced friction.

No Loose Parts

Extruded clamps can be applied "hot" without taking them apart. No losing nuts or washers or fumbling for loose parts.



Conductance

The electrical conductivity of the heavy-duty 480 Series clamps exceeds that of the conductor. Each clamp is designed and tested for the conductor sizes in its stated range.

Groove Range Identification

Raised ridges on both sides of the cap and base of multiple bolt clamps identify groove range sizes. The two ridges visible on the clamp in the photo on the right, indicate a No. 2 groove with a range of 0.464" to 0.743" (11.8 mm to 18.9 mm).



Greater Strength

Aluminum extrusions have the inherently strong construction of wrought metal. For parallel groove clamps, a tough heat-treated alloy is used.

Available Prefilled

All clamps are available with Alnox Joint Compound in the grooves. Clamps with equal grooves are available in "strip" packages (shown). These packages retain the compound until ready for use and are easily removed while wearing gloves. All clamps are available poly wrapped in polyethylene shrink packaging.



Minimum Sizes to Stock

Minimum number of clamps to cover No. 8 AWG to 1750 MCM connecting applications.

No Loose Parts

Compact assembly simplifies taping and handling resulting in a neater, more professional job.

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Distribution Parallel Groove Clamps (Series 390 and 490)



Catalog 390 and Catalog 490 Series Distribution Parallel Groove Clamps with a single bolt accommodate 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.

AFL NO.	GROOVE SIZE* – RUN 1 –	GROOVE SIZE* – TAP 2 –	BOLT SIZE (in)	TORQUE (ft / lbs)	NOMINAL WEIGHT	
					lbs	kg
490.0	0	0	5/16"	10	.060	.03
395.5	5	5	3/8"	15	.092	.04
396.6	6	6	3/8"	15	.129	.06
392.6	2	6	1/2"	25	.316	.14
393.6	3	6	5/8"	40	.642	.29

* Groove size designation on following page.

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.

AFL NO.	GROOVE SIZE* – SIDE 1 –	GROOVE SIZE* – SIDE 2 –	NUMBER OF BOLTS	BOLT SIZE (in)	TORQUE (ft / lbs)	NOMINAL WEIGHT	
						lbs	kg
481.0	1	0	2	3/8"	15	0.3	.14
481.1	1	1	2	3/8"	15	0.3	.14
482.1	2	1	2	1/2"	25	0.6	.27
482.2	2	2	3	1/2"	25	1.1	.50
483.2	3	2	2	5/8"	40	1.8	.82
483.3	3	3	3	5/8"	40	2.8	1.27

* Groove size designation on following page.

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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.



AFL NO.	GROOVE SIZE* – SIDE 1 –	GROOVE SIZE* – SIDE 2 –	NUMBER OF BOLTS	BOLT SIZE (in)	TORQUE (ft / lbs)	NOMINAL WEIGHT	
						lbs	kg
581.1	1	1	1	3/8"	15	.3	.14
582.1	2	1	1	1/2"	25	.6	.27
582.2	2	2	2	1/2"	25	1.3	.59
583.1	3	1	1	5/8"	40	1.1	.50
583.2	3	2	2	5/8"	40	2.6	1.18
583.3	3	3	3	5/8"	40	3.9	1.77
584.1	4	1	1	5/8"	40	1.7	.77
584.2	4	2	2	5/8"	40	3.6	1.63
584.3	4	3	3	5/8"	40	5.8	2.63
584.4	4	4	3	5/8"	40	6.0	2.72

Standard Groove Numbers

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 RANGE				CONDUCTOR SIZE			
	MIN		MAX		ACSR		STRANDED ALUMINUM	
	IN	MM	IN	MM	MIN	MAX	MIN	MAX
0	.128	3.3	.325	8.3	6 6/1	2 7/1	8 & 8W	2
5	.128	3.3	.398	10.1	6 6/1	1/0	8 & 8W	1/0
6	.162	4.1	.464	11.8	6 6/1	2/0 6/1	6	3/0
1	.292	7.4	.502	12.8	2 6/1	3/0	2	3/0
7	.368	9.3	.593	15.1	1/0	4/0	1/0	266.8 MCM
2	.464	11.8	.743	18.9	3/0	397 18/1	3/0	400 MCM
3	.743	18.9	1.152	29.3	397 18/1	795 26/7	450 MCM	1,000 MCM
4	1.060	26.9	1.545	39.2	795 45/7	1590 54/19	874.5 MCM	1,750 MCM

NOTE:
NEMA standard abbreviations for aluminum or copper: **W** = solid conductor, **ACSR** = aluminum conductor/steel reinforced

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Universal Groove Clamps (cont.)

Ordering Information

The information below is provided to define the standard configurations available on the previous pages. **NOTE: Bolt type and fill are the only ordering options available.**

Bolt Type	Clamp Series	Groove 1 "Run" Size		Groove 2 "Tap" Size	Fill and Wrap
S	39	6	.	6	P
Blank = Aluminum Bolt S = Galvanized Bolt	39 = 390 Series 49 = 490 Series 48 = 480 Series	0 = 0 5 = 5 6 = 6 1 = 1 2 = 2 3 = 3 4 = 4		0 = 0 5 = 5 6 = 6 1 = 1 7 = 7 2 = 2 3 = 3 4 = 4	Blank = No Prefill P = Prefill with Alnox Compound and Polywrap W = Prefill with Alnox Compound and Paper Wrap

1. To order Parallel Groove Clamps prefilled with Alnox Compound, add P or W suffix to part number.
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 wire 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.
4. Petroleum-free compound, Alnox UG, is available for pre-filled clamps. For Alnox UG, add "-UG" to end of part number.
   Ex: 396.6P-UG, 396.6W-UG

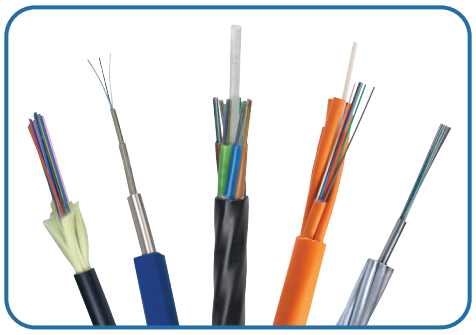
EXAMPLE: S396.6P

This part number orders: 390 Series Distribution Parallel Groove Clamp with a #6 groove on the run (1) side and a #6 groove on the tap (2) side, galvanized bolts and prefilled with Alnox Compound and a polywrap.

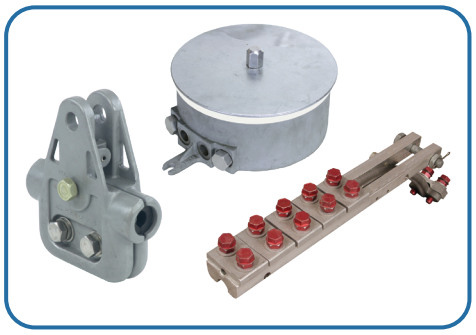
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