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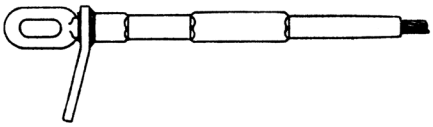	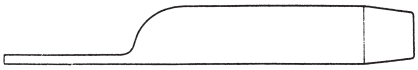
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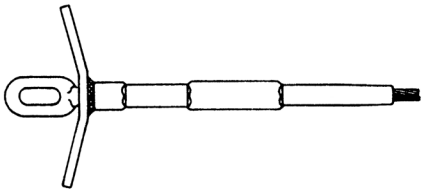	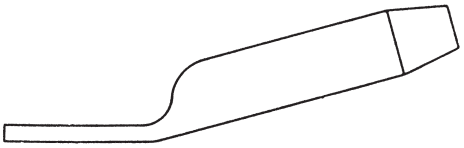
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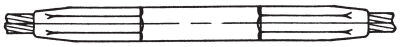	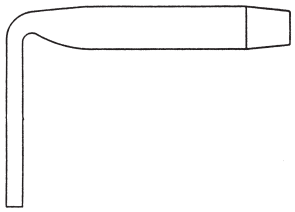
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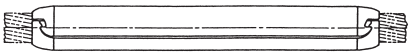	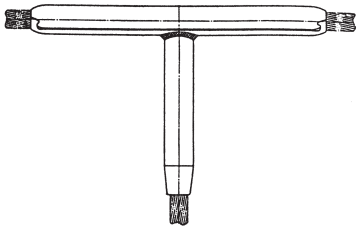
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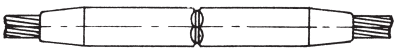
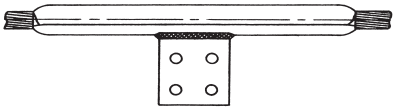
	

For ACSS and ACSS/TW Conductor

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.

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

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

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

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

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 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

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

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

continued

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

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 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 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 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

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

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

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

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 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

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

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

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

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 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

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

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

continued →

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

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 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 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

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

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

continued →

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

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 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

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

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

continued →

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

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 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

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

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

continued

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

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 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.

Contact AFL for further details.

continued

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 ACA117

ASSEMBLY CATALOG NO.	CONDUCTORS						ALUMINUM HEX DIES
	CODE NAME	SIZE KCMIL	TYPE	STRAND		DIAMETER	
				AL	ST		
SDCJ-AS114HT	ORIOLE ACSS/TW	447.0	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	556.5	23	18	7	0.825	24AH
SDCJ-AS124HT	PARAKEET ACSS/TW	556.5	13	18	7	0.835	24AH
SDCJ-AS125HT	DOVE ACSS/TW	565.3	16	20	7	0.852	24AH
SDCJ-AS858HT	CALUMET ACSS/TW	571.7	16	18	7	0.858	24AH
SDCJ-AS846HT	MOHAWK ACSS/TW	636.0	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	664.8	23	18	7	0.953	27AH
SDCJ-AS927HT	OSWEGO ACSS/TW	666.6	16	20	7	0.927	27AH
SDCJ-AS913HT	MYSTIC ACSS/TW	762.8	13	20	7	0.913	27AH
SDCJ-AS990HT	WABASH ACSS/TW	768.2	16	20	7	0.990	30AH
SDCJ-AS977HT	MAUMEE ACSS/TW	795.0	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	900.0	16	20	7	1.010	30AH
SDCJ-AS146HT	CANARY ACSS/TW	946.7	13	30	7	1.080	30AH
SDCJ-AS077HT	FRASER ACSS/TW	954.0	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	957.2	13	20	7	1.084	30AH
SDCJ-AS060HT	KETTLE ACSS/TW	959.6	7	32	7	1.060	30AH
SDCJ-AS108HT	SUWANNEE ACSS/TW	966.2	16	22	7	1.108	30AH
SDCJ-AS092HT	COLUMBIA ACSS/TW	1033.5	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

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

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 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

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

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

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

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 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 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

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

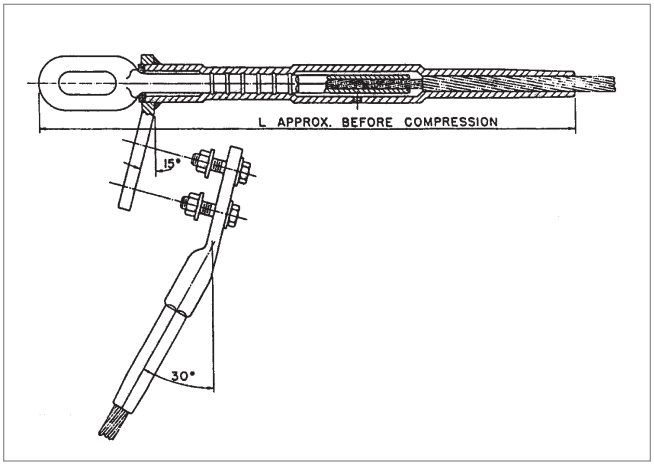
ASSEMBLY CATALOG NO.	CONDUCTORS						ALUMINUM HEX DIES
	CODE NAME	SIZE KCMIL	TYPE	STRAND		DIAMETER	
				AL	ST		
SDACD-AS114HT	ORIOLE ACSS/TW	336.4	23	18	7	0.693	20AH
SDACD-AS120HT	FLICKER ACSS/TW	447.0	13	18	7	0.776	24AH
SDACD-AS121HT	HAWK ACSS/TW	447.0	16	18	7	0.798	24AH
SDACD-AS122HT	HEN ACSS/TW	477.0	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 →

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

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 339.
2. Pad Dimensions are on page 339.
3. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 340.
4. Bolt Sizes and Torque Recommendations are on page 340.
5. Installation Instructions for Dead Ends are on page 345.
6. Installation Instructions for Terminals are on page 351.
7. For more information on die selction and ordering instructions, see the Tools and Equipment section of this catalog.

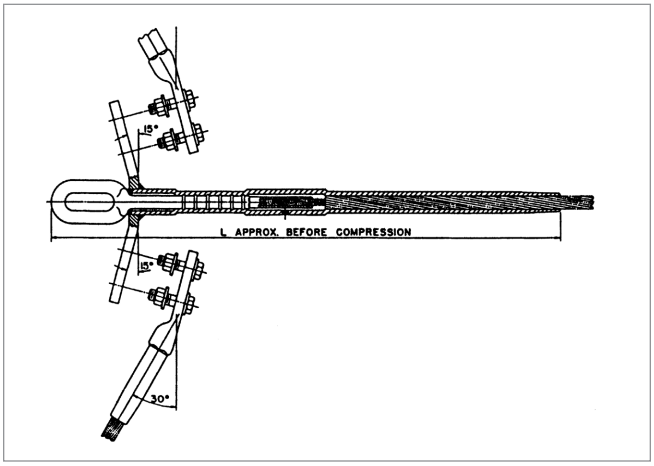
HiTemp Compression Dead End for ACSS Conductor, Eye Type, Single Tongue, 33100HT Series (cont.)

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

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

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 339.
2. Pad Dimensions are on page 339.
3. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 340.
4. Bolt Sizes and Torque Recommendations are on page 340.
5. Installation Instructions for Dead Ends are on page 345.
6. Installation Instructions for Terminals are on page 351.
7. For more information on die selction and ordering instructions, see the Tools and Equipment section of this catalog.

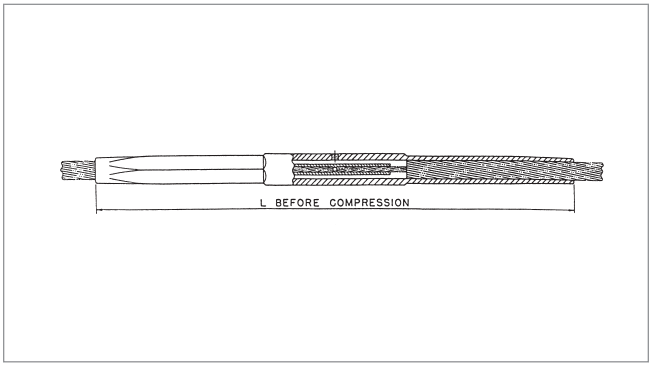
HiTemp Compression Dead End for ACSS Conductor, Eye Type, Double Tongue, 33300HT Series (cont.)

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

HiTemp Compression Dead End for ACSS Conductor, Eye Type, Double Tongue, 33300HT Series (cont.)

Dead End Assembly Catalog Number	Code Name	Conductor			Component Catalog Number			Die Size		Total Weight		Total Length L		Pad Size
		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

HiTemp Compression Joint for ACSS Conductor, 33000HT Series



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.

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

Notes:

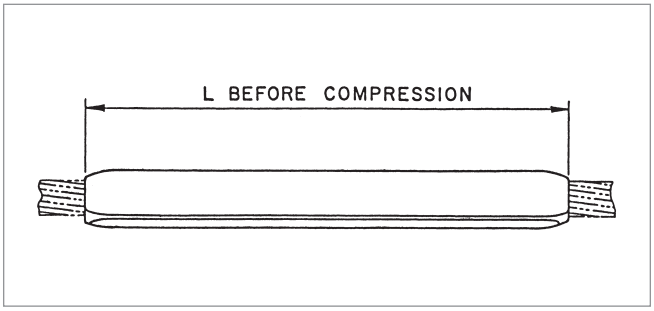
1. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 340.
2. Installation Instructions for Joints are on page 347.
3. For more information on die selction and ordering instructions, see the Tools and Equipment section of this catalog.

Joint Assembly Catalog Number	Conductor				Component Catalog No.		Die Size		Weight				Total Length L	
	Code Name	Size	Strand-ing	Diam-eter	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

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	Strand-ing	Diam-eter	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

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:

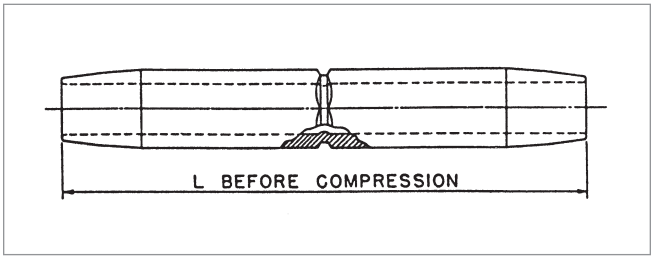
1. Installation Instructions for Repair Sleeves are on page 349.
2. For more information on die selction and ordering instructions, see the Tools and Equipment section of this catalog.

AFL 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

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

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:

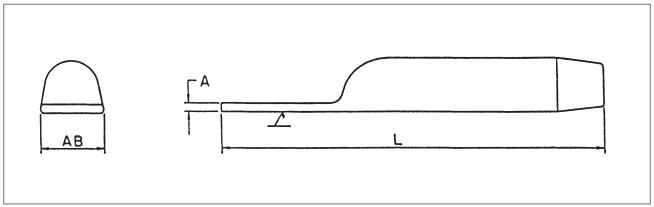
1. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 340.
2. Installation Instructions for Jumper Connectors are on page 350.
3. For more information on die selction and ordering instructions, see the Tools and Equipment section of this catalog.

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

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

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:

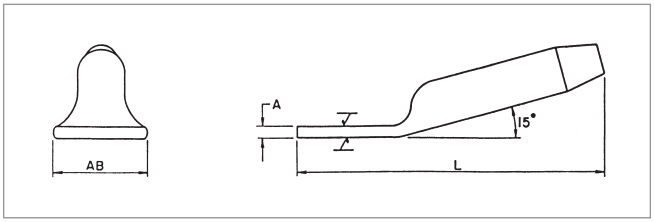
1. Pad Dimensions are on page 339.
2. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 340.
3. Bolt Sizes and Torque Recommendations are on page 340.
4. Installation Instructions for Terminals are on page 351.
5. For more information on die selction and ordering instructions, see the Tools 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

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

HiTemp Terminal Connector for ACSS Conductor, 15°, 5100HT Series



The 5100HT Series 15° 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 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 795 Drake ACSS Conductor with an EHV finish, the complete catalog number is:

5130.116HTEHV

Notes:

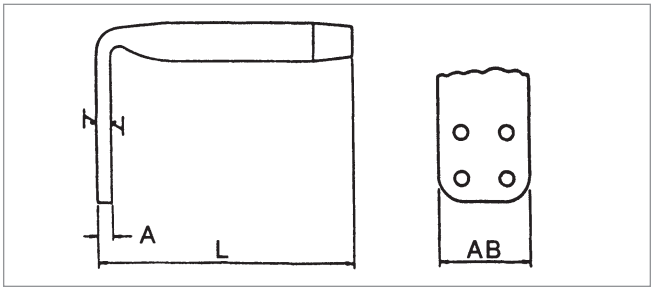
1. Pad Dimensions are on page 339.
2. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 340.
3. Bolt Sizes and Torque Recommendations are on page 340.
4. Installation Instructions for Terminals are on page 351.
5. For more information on die selction and ordering instructions, see the Tools 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

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

HiTemp Terminal Connector for ACSS Conductor, 90°, 5800HT Series



The 5800HT Series 90° 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:

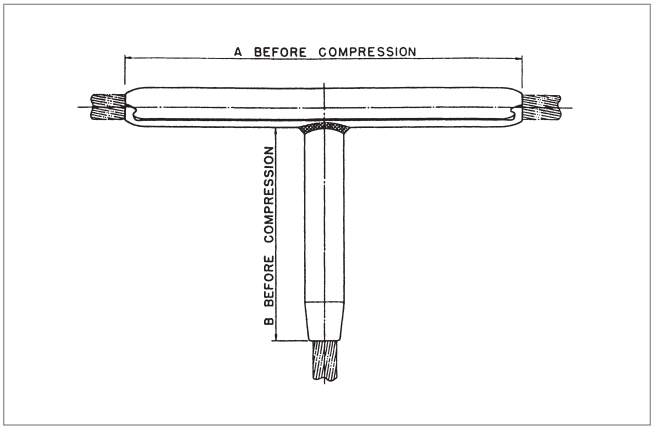
1. Pad Dimensions are on page 339.
2. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 340.
3. Bolt Sizes and Torque Recommendations are on page 340.
4. Installation Instructions for Terminals are on page 351.
5. For more information on die selction and ordering instructions, see the Tools 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

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

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 340.
2. Installation Instructions for Tee Connectors are on page 353.

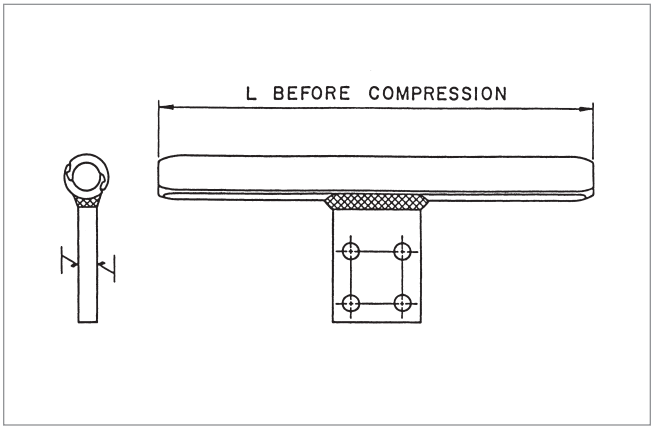
HiTemp Tee Connector for ACSS Conductor, Open Run, 5500HT Series (cont.)

Partial Catalog Number		Conductor				Die Size	Weight		Run Length A		Branch Length B	
		Code Name	Size	Strand-ing	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

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	Strand-ing	Diameter							
Run	Branch		kcmil	Al/St	in		lbs	kg	in	mm	in	mm
5530.3	-30.125HT	Towhee/ACSS	954.0	48/7	1.175	30AH	6.2	2.8	27.1	689	13.4	341
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

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 339.
2. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 340.
3. Bolt Sizes and Torque Recommendations are on page 340.
4. Installation Instructions for Tee Taps are on page 353.

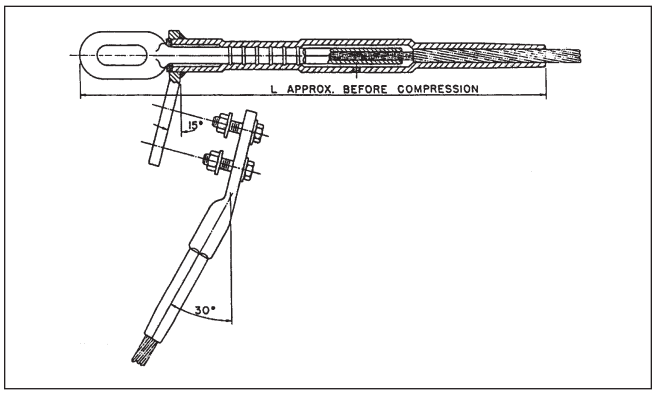
HiTemp Tee Tap for ACSS Conductor, Open Run, 5300HT Series (cont.)

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

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

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 339.
2. Pad Dimensions are on page 339.
3. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 340.
4. Bolt Sizes and Torque Recommendations are on page 340.
5. Installation Instructions for Dead Ends are on page 345.
6. Installation Instructions for Terminals are on page 351.
7. For more information on die selction and ordering instructions, see the Tools and Equipment section of this catalog.

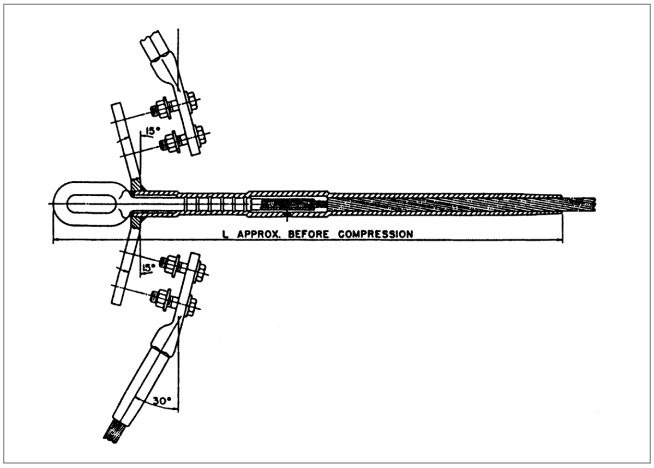
HiTemp Compression Dead End for ACSS/TW Conductor, Eye Type, Single Tongue, 440000HT Series (cont.)

DEAD END ASSEMBLY CATALOG NUMBER	CONDUCTOR					COMPONENT CATALOG NUMBER			DIE SIZE		TOTAL WEIGHT		TOTAL LENGTH L		PAD SIZE
	CODE NAME	SIZE	TYPE	STRANDING	DIAMETER	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

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	DIAMETER	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

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 339.
2. Pad Dimensions are on page 339.
3. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 340.
4. Bolt Sizes and Torque Recommendations are on page 340.
5. Installation Instructions for Dead Ends are on page 345.
6. Installation Instructions for Terminals are on page 351.
7. For more information on die selction and ordering instructions, see the Tools and Equipment section of this catalog.

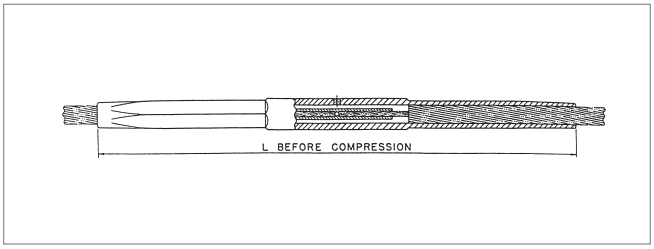
HiTemp Compression Dead End for ACSS/TW Conductor, Eye Type, Double Tongue, 480000HT Series (cont.)

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

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

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:

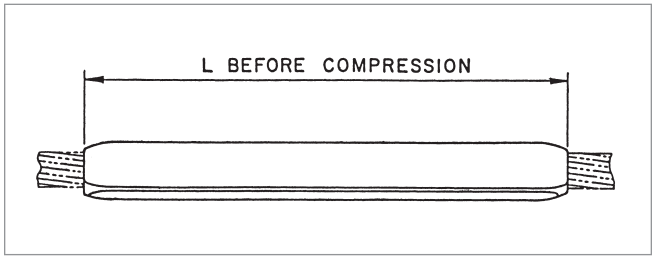
1. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 340.
2. Installation Instructions for Joints are on page 347.
3. For more information on die selction and ordering instructions, see the Tools and Equipment section of this catalog.

JOINT ASSEMBLY CATALOG NUMBER	CONDUCTOR					COMPONENT CATALOG NO.		DIE SIZE		WEIGHT				TOTAL LENGTH L	
	CODE NAME	SIZE KCMIL	TYPE	STRANDING AL/ST	DIA. IN	ALUMINUM JOINT	STEEL SLEEVE	ALUMINUM	STEEL	ALUMINUM LBS	ALUMINUM KG	STEEL LBS	STEEL 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

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

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:

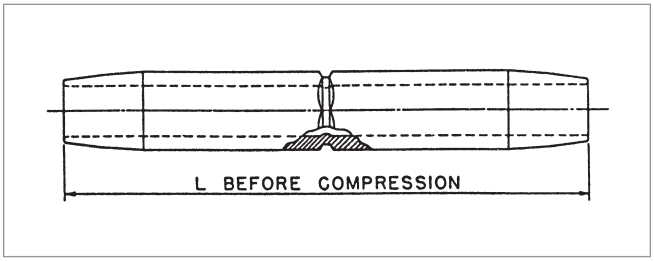
1. Installation Instructions for Repair Sleeves are on page 349.
2. For more information on die selction and ordering instructions, see the Tools and Equipment section of this catalog.

AFL 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

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

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:

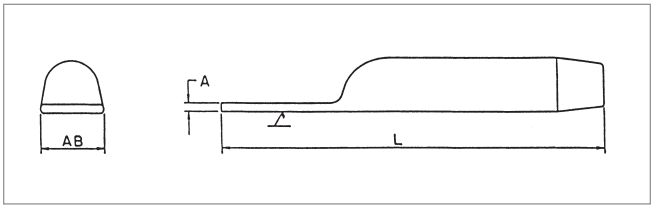
1. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 340.
2. Installation Instructions for Jumper Connectors are on page 350.
3. For more information on die selction and ordering instructions, see the Tools and Equipment section of this catalog.

CATALOG NUMBER	CONDUCTOR					DIE SIZE	WEIGHT		TOTAL LENGTH L	
	CODE NAME	SIZE	TYPE	STRANDING	DIAMETER					
		KCMIL		AL/ST	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

HiTemp Jumper Connector for ACSS/TW Conductor, 5000HT 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
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

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:

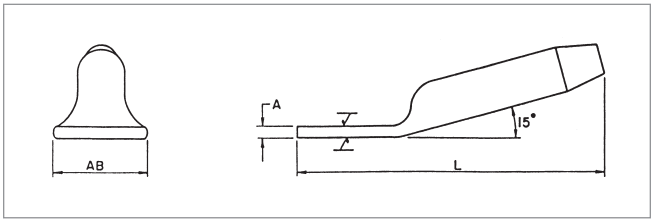
1. Pad Dimensions are on page 339.
2. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 342.
3. Bolt Sizes and Torque Recommendations are on page 342.
4. Installation Instructions for Terminals are on page 351.
5. For more information on die selction and ordering instructions, see the Tools 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

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

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:

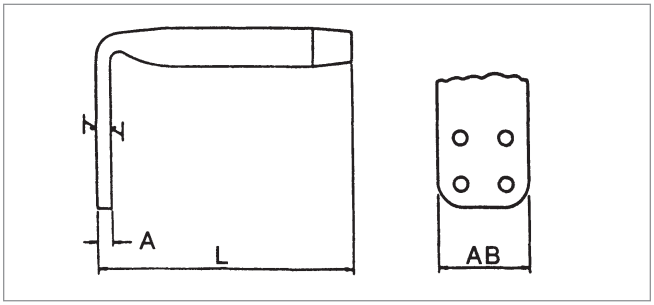
1. Pad Dimensions are on page 339.
2. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 340.
3. Bolt Sizes and Torque Recommendations are on page 340.
4. Installation Instructions for Terminals are on page 351.
5. For more information on die selction and ordering instructions, see the Tools and

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

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

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 339.
2. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 340.
3. Bolt Sizes and Torque Recommendations are on page 340.
4. Installation Instructions for Terminals are on page 351.
5. For more information on die selction and ordering instructions, see the Tools and Equipment section of this catalog.

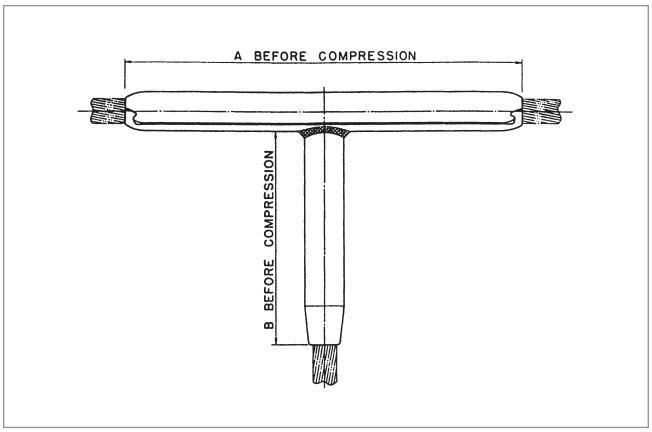
HiTemp Terminal Connector—90° for ACSS/TW Conductor, 5800HT Series (cont.)

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

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

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 340.
2. Installation Instructions for Tee Connectors are on page 351.

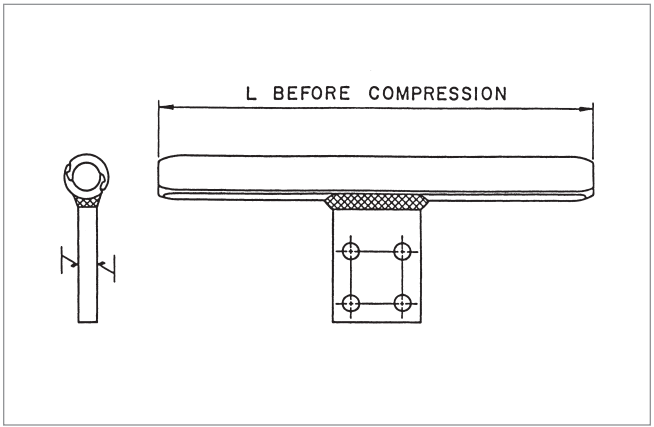
HiTemp Tee Connector—Open Run for ACSS/TW Conductor, 5500HT Series (cont.)

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
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

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
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

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 339.
2. HiTemp AFL Filler Compound (AFCHT) Requirements are on page 340.
3. Bolt Sizes and Torque Recommendations are on page 342.
4. Installation Instructions for Tee Taps are on page 351.

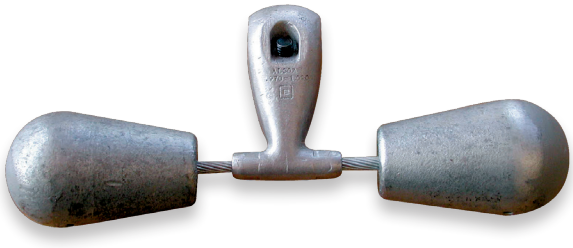
HiTemp Tee Tap—Open Run for ACSS/TW Conductor, 5300HT Series (cont.)

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

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

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 250°C 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 404.

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 354.

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 345kV and above.

Step 5: Create Catalog Number

Weight Catalog Number + Clamp Catalog Number + Bolts

Example:

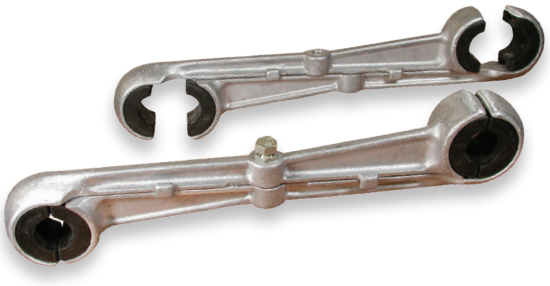
Without Armor Rods

Conductor Diameter: 1.108" (28.1 mm)
Weight Size from Table 1: 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

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.

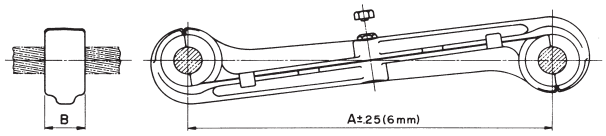
Customized Design

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.

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:

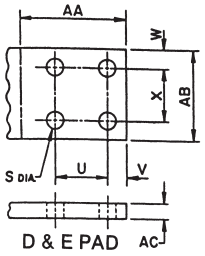
3310HT

Notes:

1. For installation instructions for speed-grip spacers, see page 356.
2. For conductor diameters, see pages 341-344.

CATALOG NUMBER	CONDUCTOR DIAMETER RANGE		DIMENSIONS				BOLT DIAM-ETER IN	WEIGHT				MAXIMUM VOLTAGE
			A		B			ALUMINUM		TOTAL		
	IN	MM	IN	MM	IN	MM		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

NEMA Standard Pad Sizes

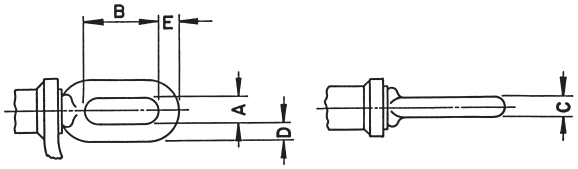


PAD SIZE	DIMENSIONS												
	S		U		V		W		X		AA		AB
	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
D	.56	14	1.75	44	.62	16	.62	16	1.75	44	3.50	89	3.00
E	.56	14	1.75	44	1.12	29	1.12	29	1.75	44	4.50	114	4.00

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

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.

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
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

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	
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.

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
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

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	
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.

Installation Instructions

for AFL Dead End

For Use on Overhead Conductor Types

ACSR, ACSS, ACSS/TW

NOTE:

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:

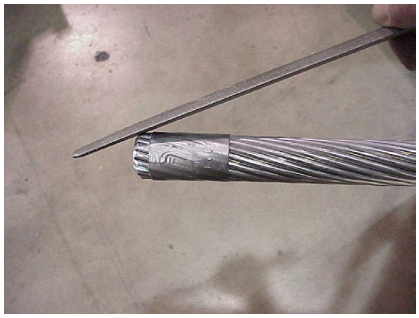
Method 1 – ConductaClean® System (Recommended)
ConductaClean solution cleans ends of overhead conductor prior to assembly and removes oxidation and contaminants from strands.

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.

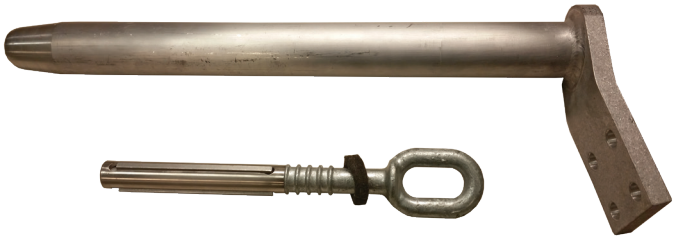
Follow Installation Instructions carefully. Improper installation can result in mechanical failure of the cable system and possible injury to persons handling or in the vicinity of the cable system.



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.

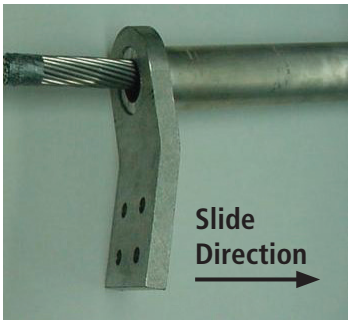
Assembly



Dead end assemblies consist of an aluminum body and steel eye/"core grip". (Felt washer is included as part of steel eye.)

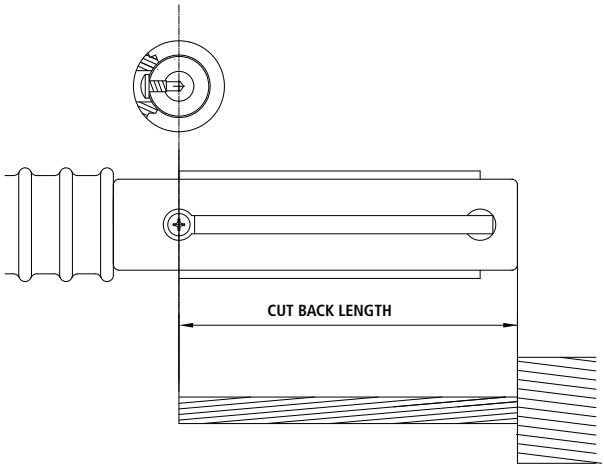
STEEL EYE/"CORE GRIP"

ALUMINUM BODY

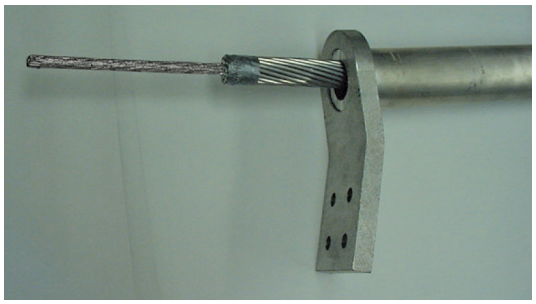


Slide aluminum dead end body (barrel first) over the conductor until sufficient working length protrudes from tongue end.

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.

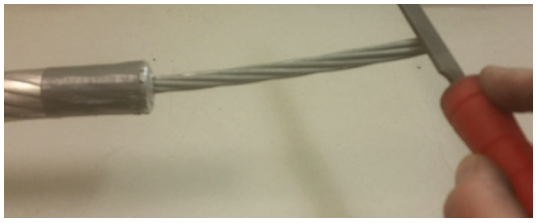


Suggested Method of Cutting Back Aluminum Strands

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.

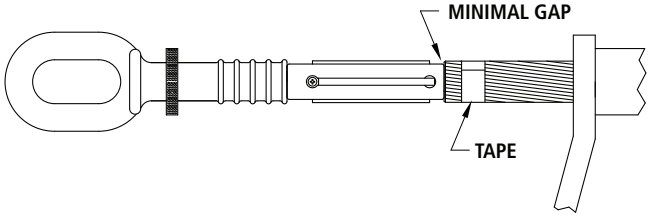
Suggested Arrangement of Compressor and Accessory During Field Installation of Dead End

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

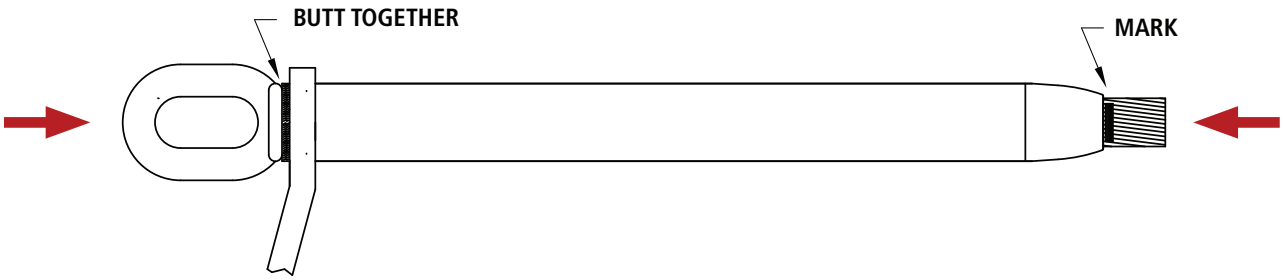


Insert end of conductor into "Core Grip" of Steel Eye. Rotate Eye "back and forth" while pushing Eye onto conductor core.

Remove tape from ends of aluminum strands.

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.

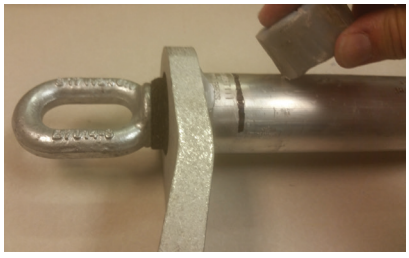
Select die size to compress aluminum dead end body. Die size for aluminum dead end body and die size marked on the die must be the same.

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.

Compressing (cont.)

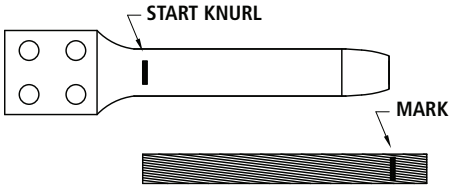
Compressed portion of the dead end should have a smooth uniform appearance. Remove flash, if present with file or emery cloth.

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.

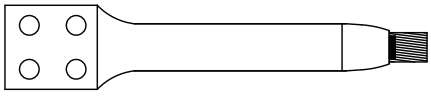
Installation of Terminal Connector

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.

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.

Installation Instructions

SOLO HD® Compression System

Adjustable Clevis Dead End

for Use on Overhead Conductor Types

ACSR, ACSS, ACSS/TW

NOTE:

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:

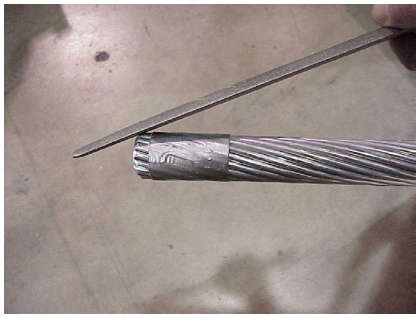
Method 1 – ConductaClean® System (Recommended)
ConductaClean solution cleans ends of overhead conductor prior to assembly and removes oxidation and contaminants from strands.

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.

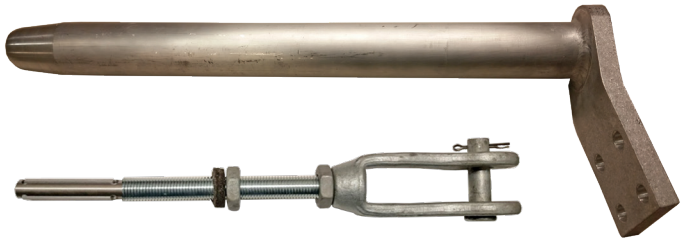
Follow Installation Instructions carefully. Improper installation can result in mechanical failure of the cable system and possible injury to persons handling or in the vicinity of the cable system.



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.

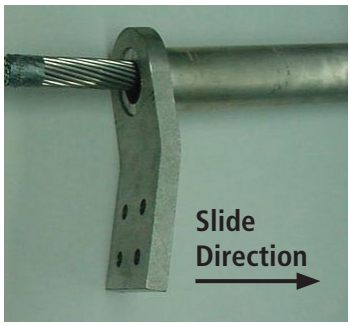
Assembly



Dead end assemblies consist of an aluminum body and steel adjustable clevis/"core grip". (Felt washer is included as part of clevis assembly.)

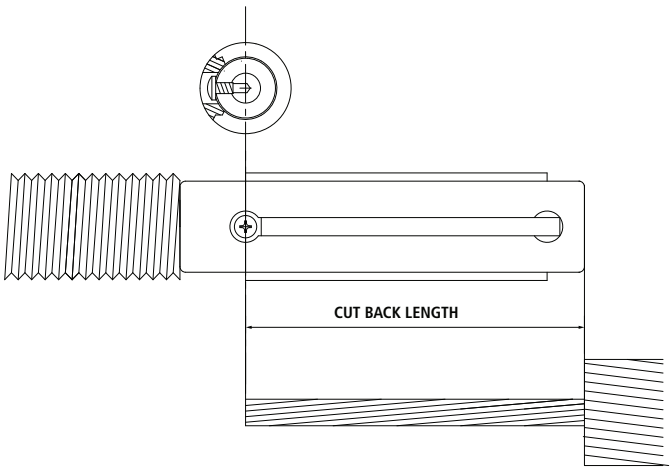
STEEL ADJUSTABLE CLEVIS/"CORE GRIP"

ALUMINUM BODY

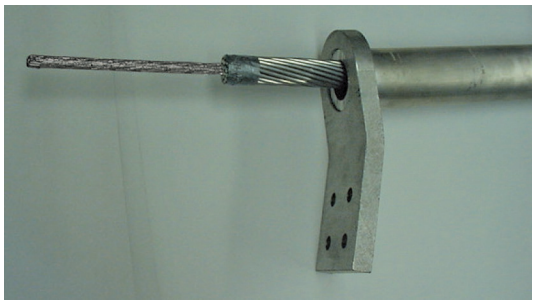


Slide aluminum dead end body (barrel first) over the conductor until sufficient working length protrudes from tongue end.

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.

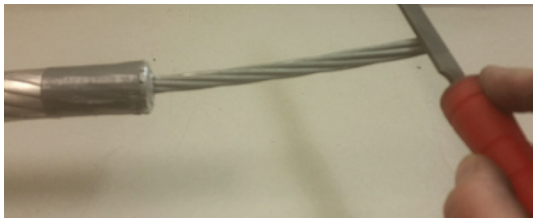


Suggested Method of Cutting Back Aluminum Strands

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.

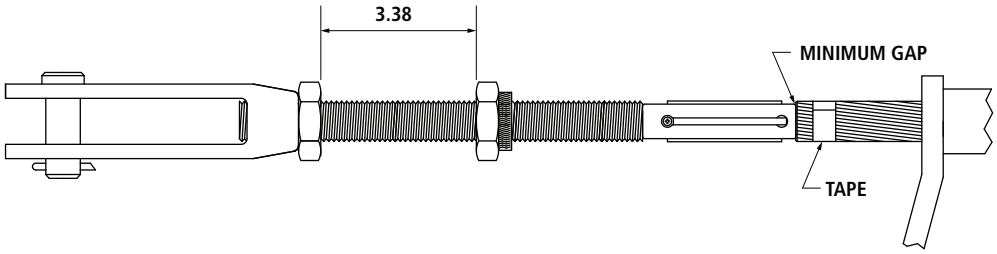
Suggested Arrangement of Compressor and Accessory During Field Installation of Dead End

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



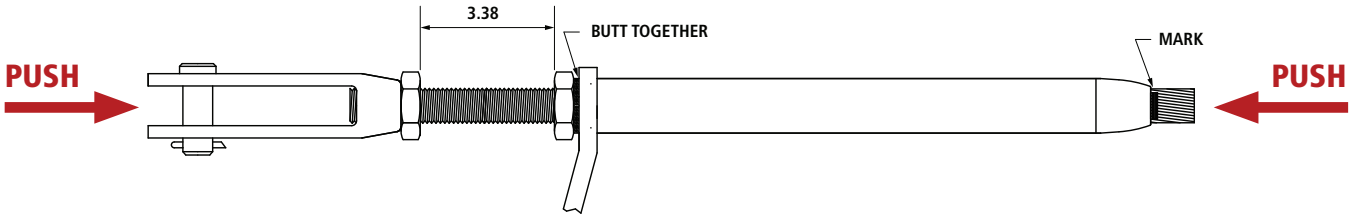
Insert end of conductor into "core grip" of clevis assembly. Rotate clevis assembly "back and forth" while pushing it onto conductor core.

Remove tape from ends of aluminum strands.

Adjust distance between Jam Nuts to 3.38 inches (86 mm) as shown in the illustration above.

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.

Compressing (cont.)

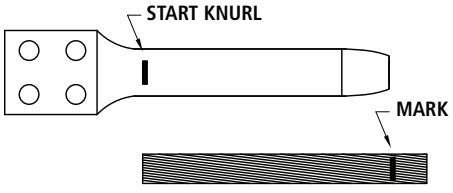
Compressed portion of the dead end should have a smooth uniform appearance. Remove flash, if present with file or emery cloth.

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.

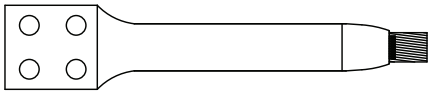
Installation of Terminal Connector

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.

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.

Installation Instructions

for AFL Joint for Use

on Overhead Conductor Types

ACSR, ACSS, ACSS/TW

NOTE:

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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:

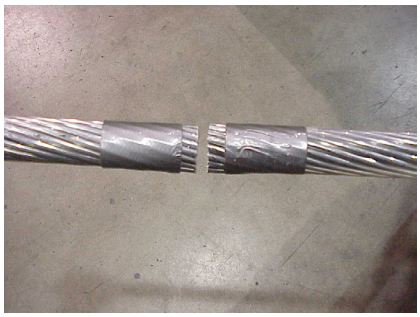
Method 1 – ConductaClean® System (Recommended)
ConductaClean solution cleans ends of overhead conductor prior to assembly and removes oxidation and contaminants from strands.

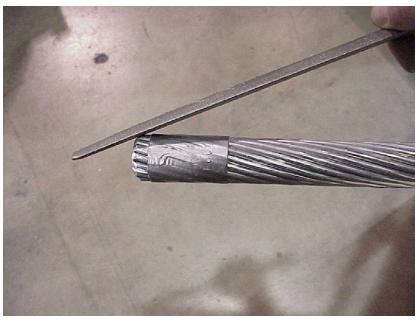
See information on ConductaClean at AFLglobal.com or call: 800-866-7385 Ref: Transmission tool CCP-SYS_T.

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.



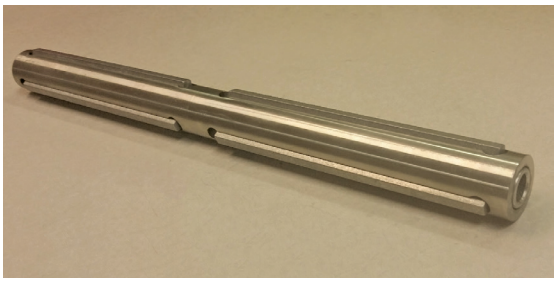


Prior to cutting, wrap tape around the conductor to help maintain the round contour, making it easier to slide the end through the aluminum joint. File approximately 0.09 inch chamfer on the end of the conductor. (The larger the chamfer, the easier the conductor will slide through).

Straighten several feet of the conductor removing the set caused by the reel.

Assembly

Joint consists of an aluminum body and steel sleeve/"core grip" as shown above.



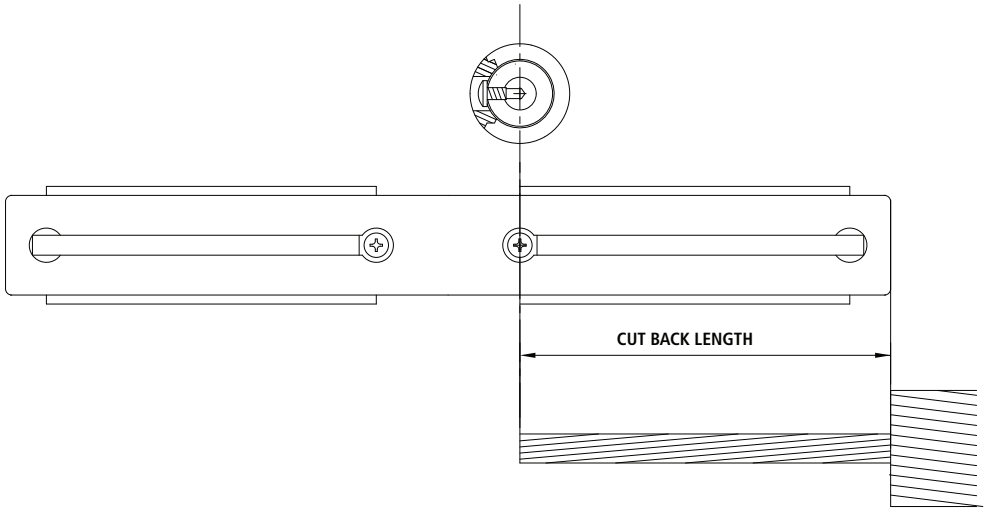
STEEL SLEEVE/"CORE GRIP"

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.

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

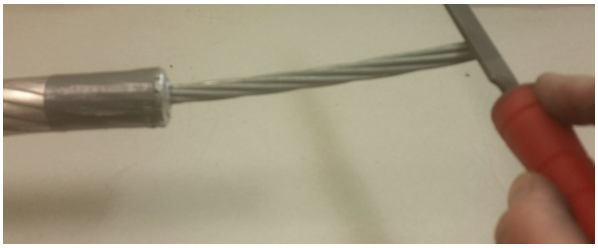
1. Tape location where "cutting back" is needed
2. Position RIGID cable trimmer around conductor at the tape location
3. Cut outer aluminum strands by rotating tool until layer becomes loose.
4. Remove cut outer aluminum layer strand
5. Bend inner layer wires back and forth until they fracture
6. Remove the broken wires.

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.

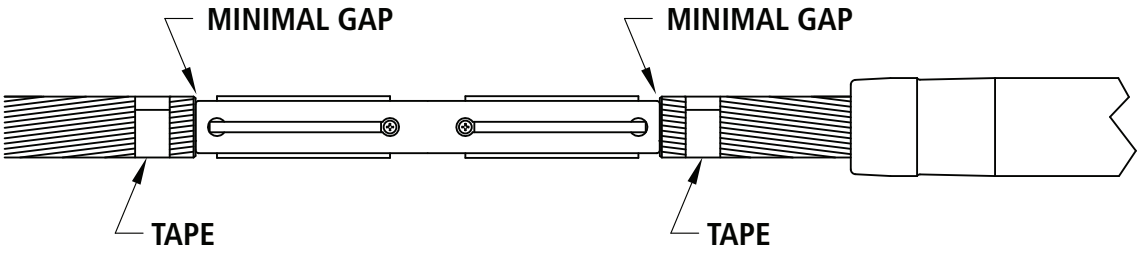
Setup 1: The compressor is attached to the sling by a large shackle (the compressor is suspended upside down). The accessory and cable are tied to the sling ensuring all parts are straight and in-line. The compressor can easily be slid along to each successive compression.

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.

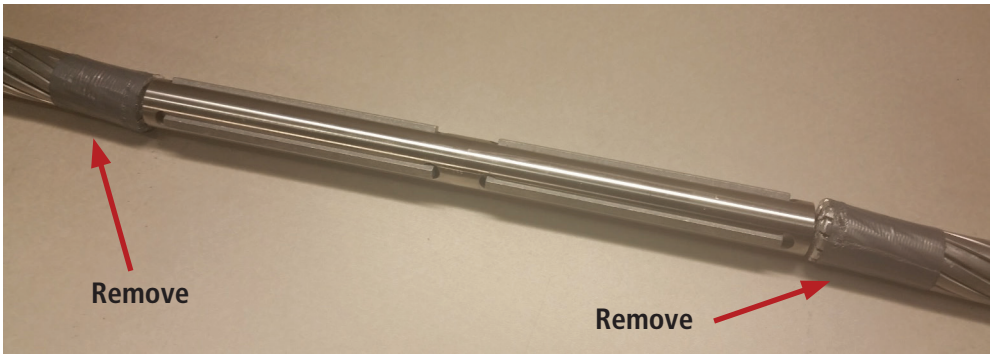


File chamfer on end of core to remove burrs and sharp edge. Chamfer will reduce the expanded diameter of the core (due to cutting) and ease the installation of the Steel Sleeve/"Core Grip".

Assembly

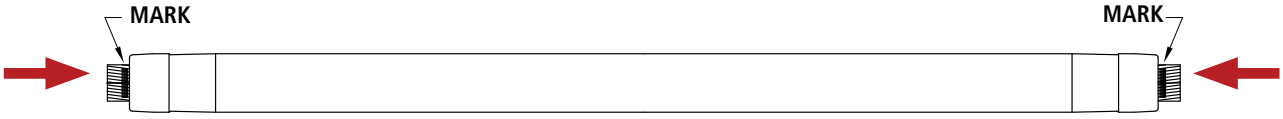


Insert ends of conductor into "Core Grip" ends of steel sleeve. Rotate sleeve "back and forth" while pushing sleeve onto conductor core.



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).

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.

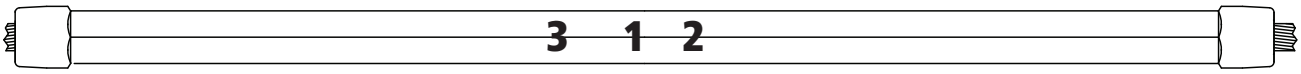
The joint will bow during compression unless reasonable care is taken to have about 15 ft. (4.5 m) of the conductor supported straight out from the end of the joint.

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**).

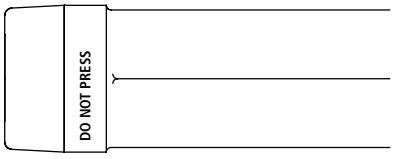
Make the second compression on one end overlapping the initial compression by approximately 0.50 inches (**at 2**) (do not skip bite).

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).



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.

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***).

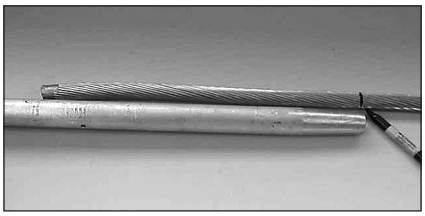


FIGURE 1: Mark the conductor and clean 3/4 the length of the aluminum body.

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

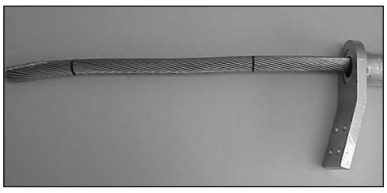


FIGURE 3: Slide aluminum dead end body over conductor.

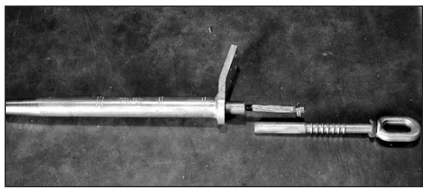


FIGURE 4:

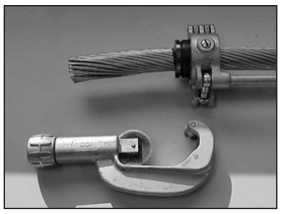


FIGURE 4a:

FIGURE 4b:

FIGURE 5:

FIGURE 5a:

FIGURE 5b:

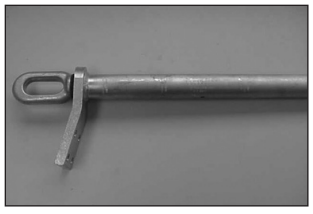


FIGURE 6:

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:

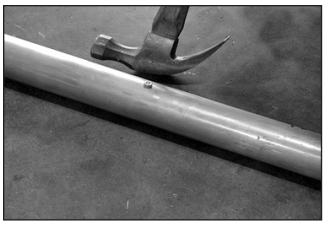


FIGURE 7:

FIGURE 7a:

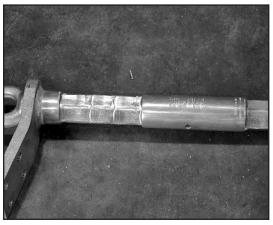


FIGURE 8:

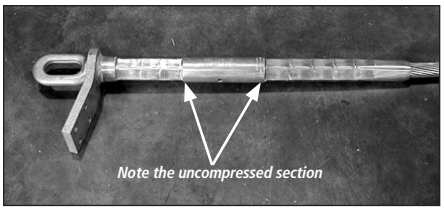


FIGURE 9:

FIGURE 10:

INSTALLATION INSTRUCTIONS

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.

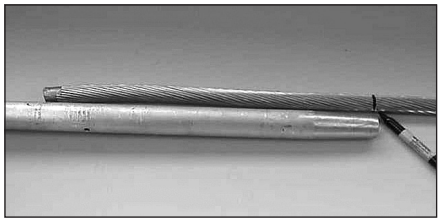


FIGURE 1: Mark the conductor and clean 1/2 the length of the sleeve.

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

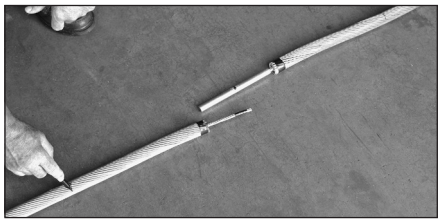


FIGURE 3: Re-mark the conductors after cleaning if needed.

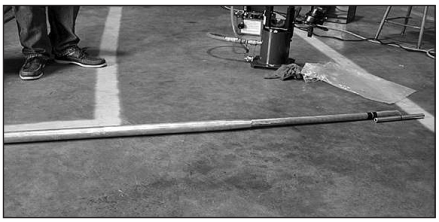
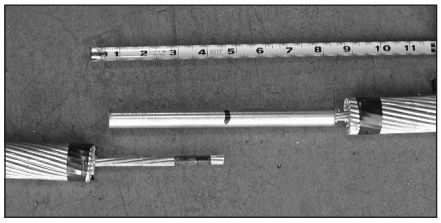


FIGURE 4: Slide sleeve over one conductor so it protrudes out the end.



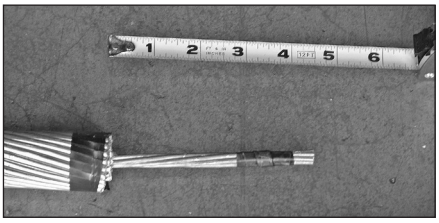


FIGURE 5a: Cut back the Aluminum strands on both conductors 1/2 the length of the Steel sleeve plus 1 1/2 inch (38.1 mm).

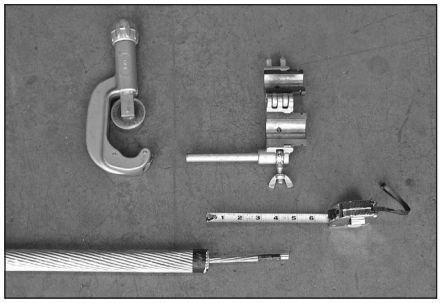


FIGURE 5b: Use of a cable trimming tool is recommended.

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

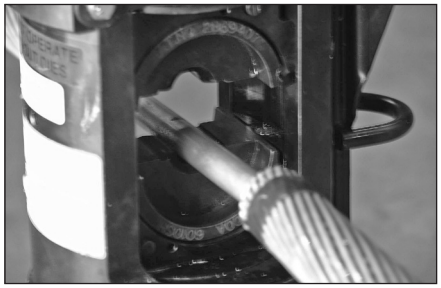


FIGURE 7a: Make the initial compression on center of Steel sleeve.

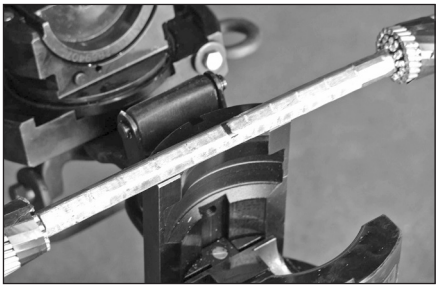


FIGURE 7b: Overlap each compression on Steel sleeve 1/4 inch (6.4 mm).

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.

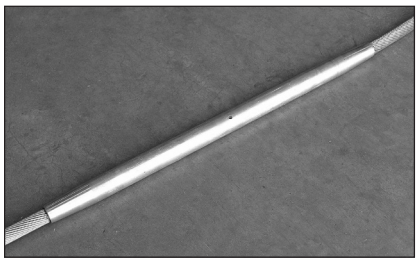


FIGURE 8a: Slide the Aluminum sleeve over the installed Steel sleeve.

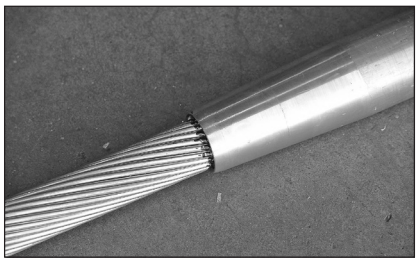


FIGURE 8b: Center the Aluminum sleeve between the marks.

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.

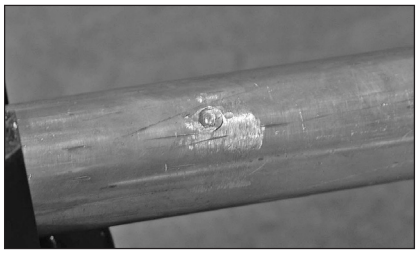


FIGURE 10c: Peen edge of filler hole over top surface of plug.

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

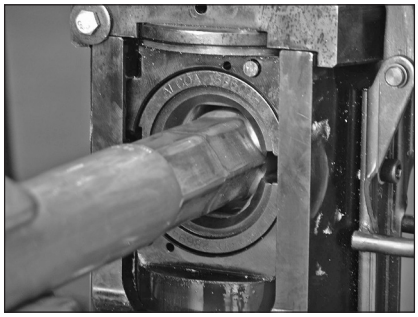


FIGURE 11b: Overlap each compression by 1/4 inch (6.4 mm).

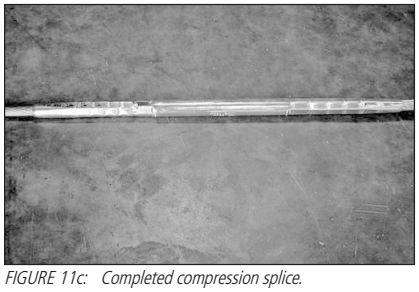


FIGURE 11c: Completed compression splice.

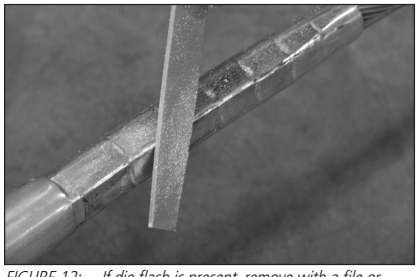
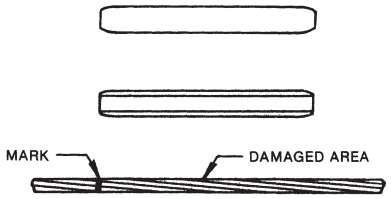


FIGURE 12: If die flash is present, remove with a file or emory cloth.

Installation Instructions

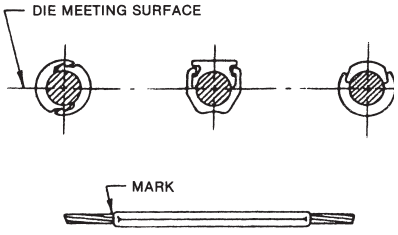
HiTemp Repair Sleeves for ACSS and ACSS/TW Conductors

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.

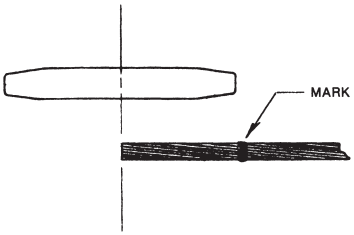
7. Slide repair sleeve assembly over the damaged area, to the mark on the conductor.
8. Make the initial compression over the center portion of the repair sleeve. Make the second compression on one end overlapping the initial compression by 1/4 die bite. Make the third compression on the opposite end, 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.



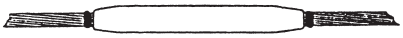
Installation Instructions

HiTemp Jumper Connectors for ACSS and ACSS/TW Conductors

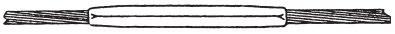
1. Measure back from each conductor end and mark at a distance equal to 1/2 the length of the aluminum jumper connector.
2. File burrs or sharp edges off the aluminum strands as necessary for ease of insertion.
3. Prior to making connections, the conductor and accessory bores must be clean. If the conductor 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.

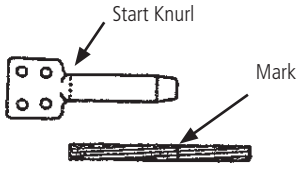


7. Compress jumper connector full length making initial compression over center stop. Overlap each successive compression by approximately 1/4 die bite. Complete die closure is required for each compression.
8. Compressed jumper connector should have a smooth uniform appearance. Remove flash, if present,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



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

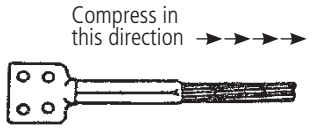
Continued

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.

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.)



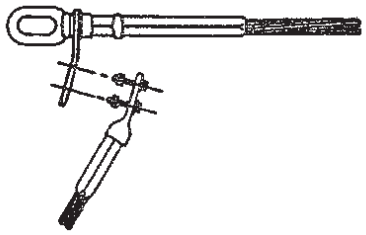
6. Remove flash caused by die closure, if any, with a file.

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)



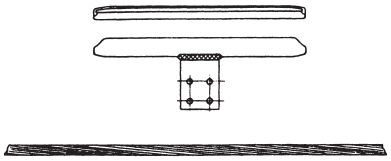
INSTALLATION INSTRUCTIONS

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.

Installation Instructions

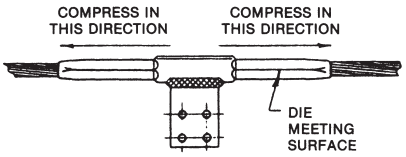
HiTemp Open Run Tee Taps and Tee Connectors for ACSS and ACSS/TW Conductors

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.



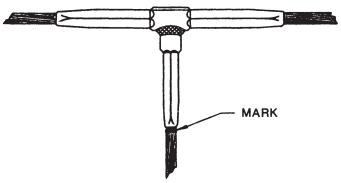
5. Place run groove on conductor and slide the keeper in place.

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.



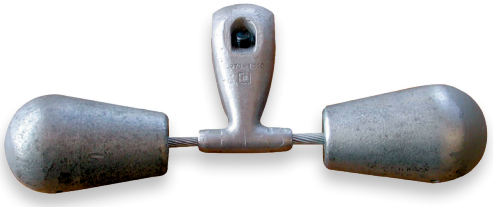
Installation of "tee" with compression branch

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.



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

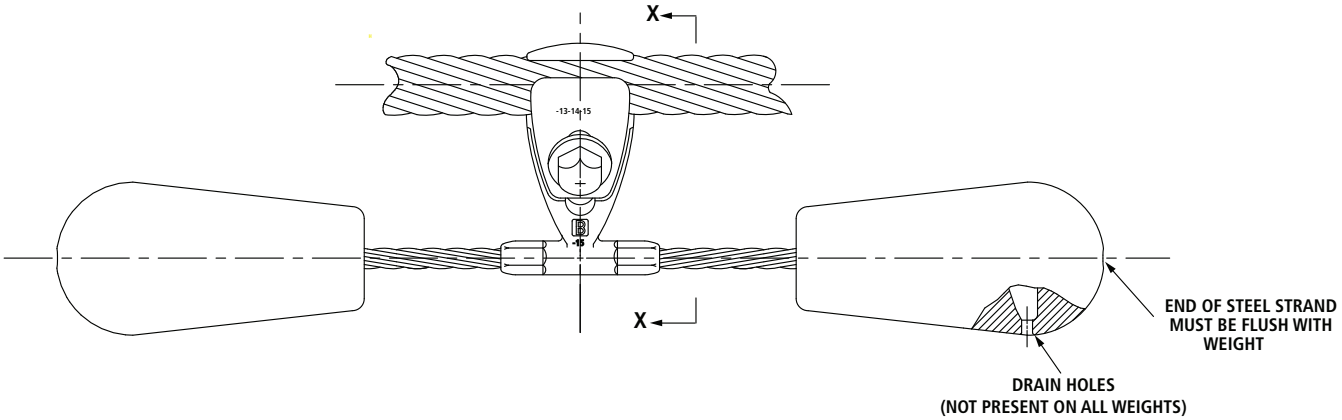
Step 1: (a) Obtain the damper spacing from AFL.
(b) At the tangent tower, the centerline of the damper should be the specified distance from the center of the suspension clamp.
(c) At the dead end location, the centerline of the damper should be the specified distance from the mouth of the dead end. 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.

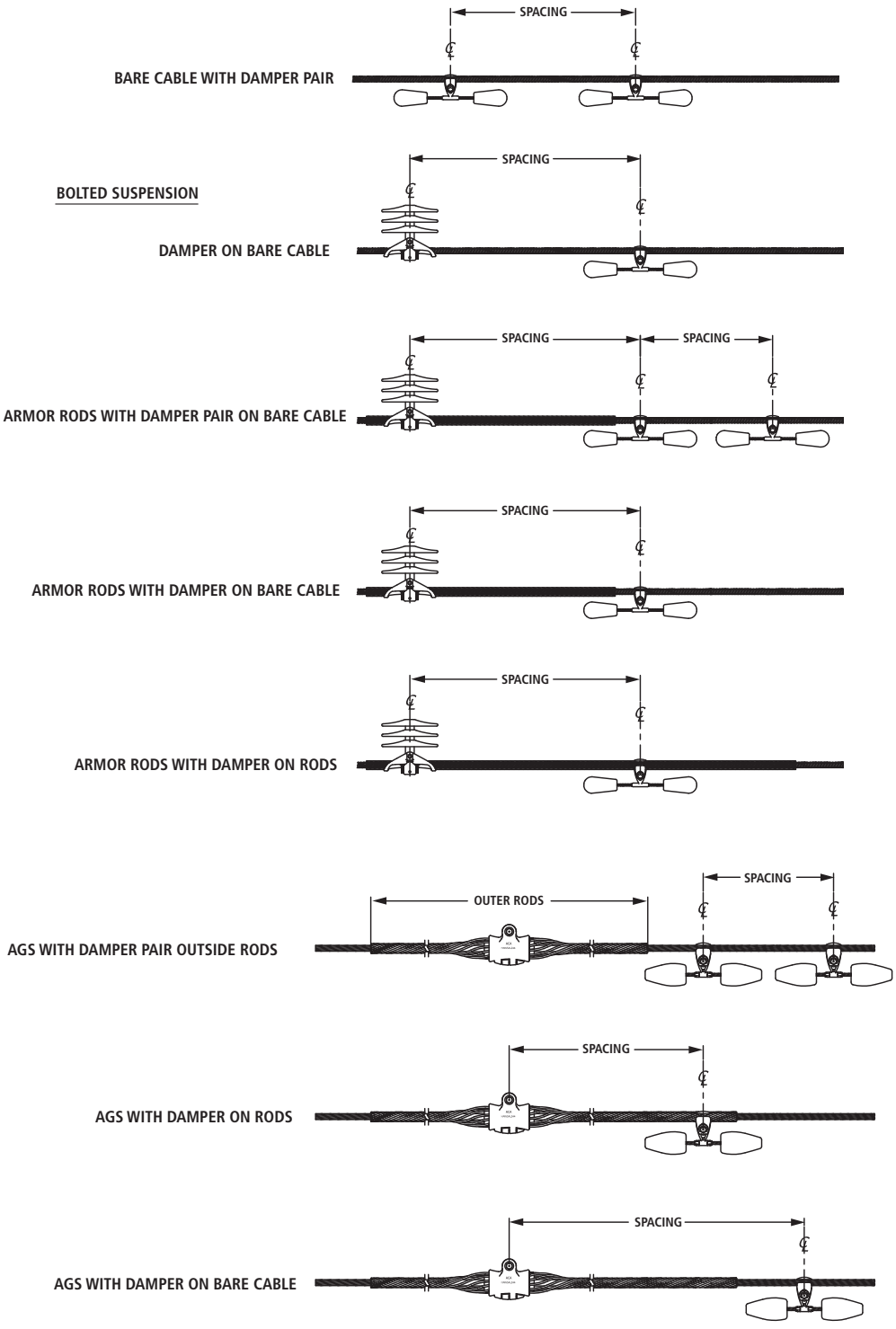
Step 4: Tighten the bolt with a torque wrench to the recommended value for the bolt size in the table below. If the bolt has a breakaway outer head, tight the bolt until the breakaway head shears off.

CLAMP ASSEMBLY NUMBER	BOLT DIAMETER 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)



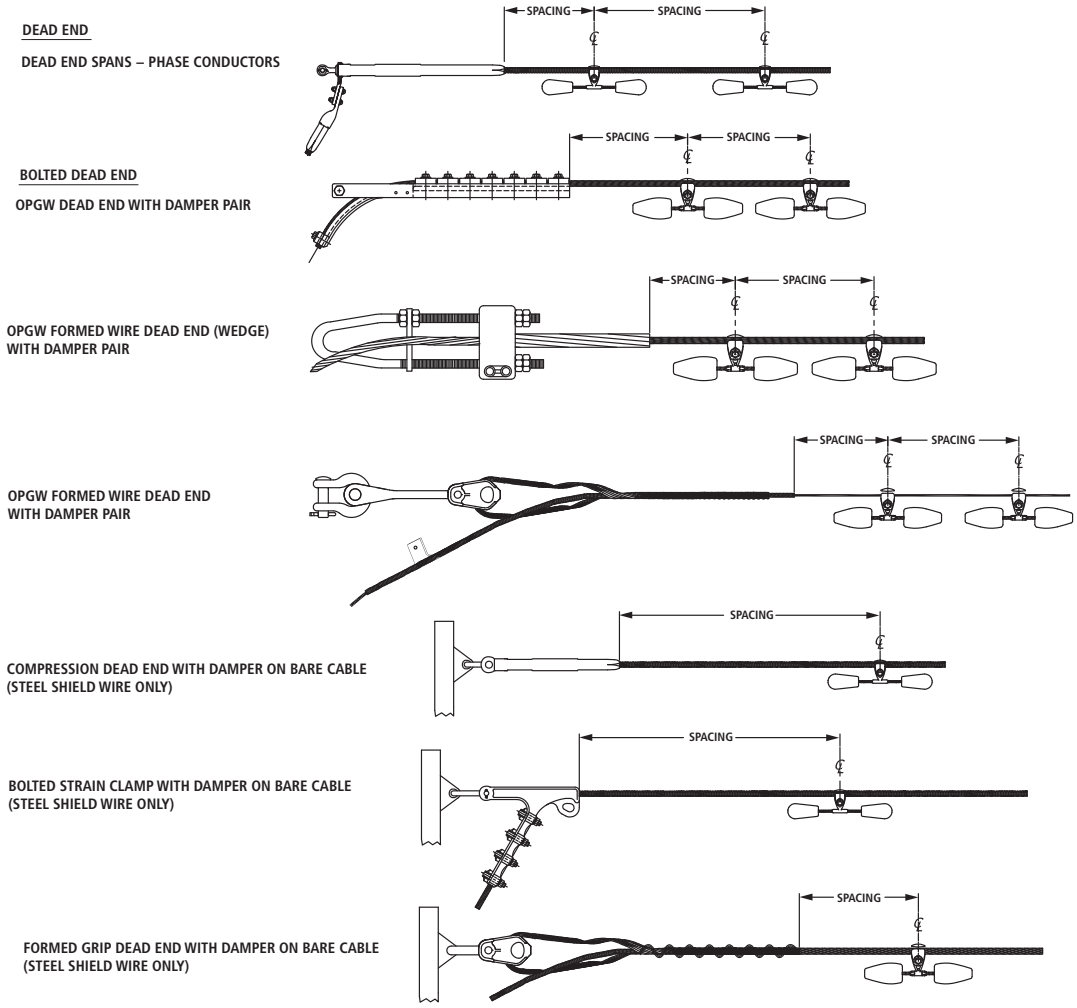
Installation Instructions (cont.)

Vibration Dampers 1700 Series



Installation Instructions (cont.)

Vibration Dampers 1700 Series



Installation Instructions (cont.)

Vibration Dampers 1700 Series

VIBRATION PROTECTION RECOMMENDATIONS – SPACING NOTES

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.

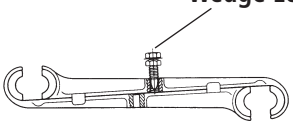
8. Selective Damping
   The ability of a damper to protect a given span may be hindered by vibration in adjacent undamped spans even though the vibration in the undamped spans is not at a damaging level for the undamped span. Therefore, damping of adjacent spans is suggested at times. For simplicity, 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.

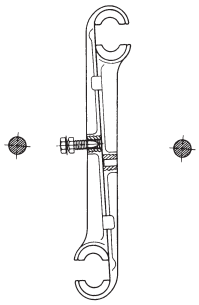
Installation Instructions

Speed-Grip® Spacers

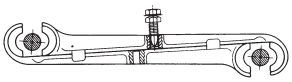
1. Prior to installation, slide open the spacer assembly giving a clamp opening of approximately 1½ times the conductor diameter. Finger-tighten the wedge-lock pin enough to hold the spacer assembly in the open position.



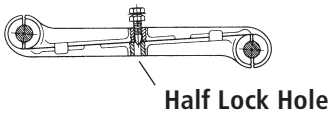
2. Position spacer assembly between the two conductors, so that it is perpendicular to the conductors.



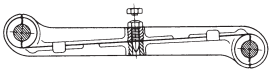
3. Rotate the spacer assembly until the conductors rest in the open clamps.



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.

Index

continued

Index (cont.)