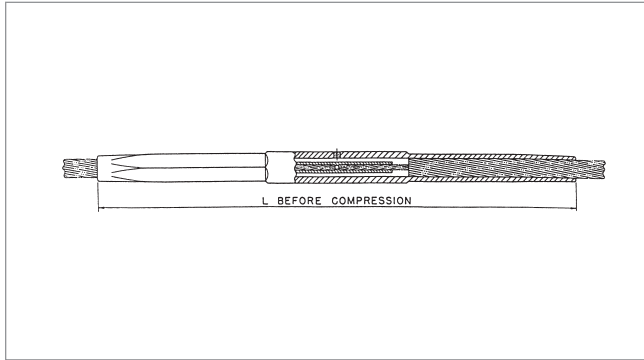


HiTemp Compression Joint for ACSS Conductor, 33000HT Series



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 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 selection and ordering instructions, see the Tools and Equipment section of this catalog.

Joint Assembly Catalog Number	Conductor Code Name	Conductor			Component Catalog No.		Die Size		Weight				Total Length L	
		Size kcmil	Stranding Al/St	Diameter in	Aluminum Joint	Steel Sleeve	Aluminum	Steel	Aluminum		Steel		in	mm
									lbs	kg	lbs	kg		
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	Stranding Al/St	Diameter in	Aluminum Joint	Steel Sleeve			Aluminum		Steel			
		kcmil					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