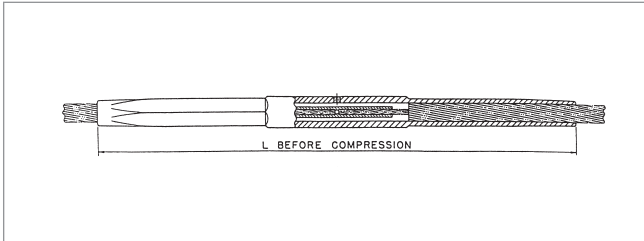


HiTemp Compression Joint for ACSS/TW Conductor, 420000HT Series

ACSS/TW ACCESSORIES



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

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

ACCESSORIES
ACSS/TW

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	ALUMINUM		STEEL		IN	MM
		KCMIL								AL/ST	IN	LBS	KG		
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	Schuykill/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