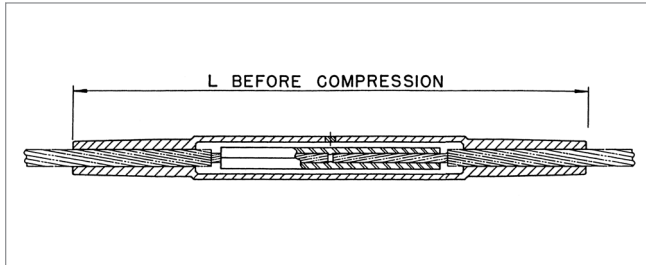


Compression Joints—33000 Series for ACSR Conductors



Ordering Instructions

Step 1: Assembly Catalog Number

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

Example:

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

33043

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

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

For die size sections 30AH and above, the end tapers of the compression portions of all compression accessories are supplied with a high voltage finish.

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

Notes:

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

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

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

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

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