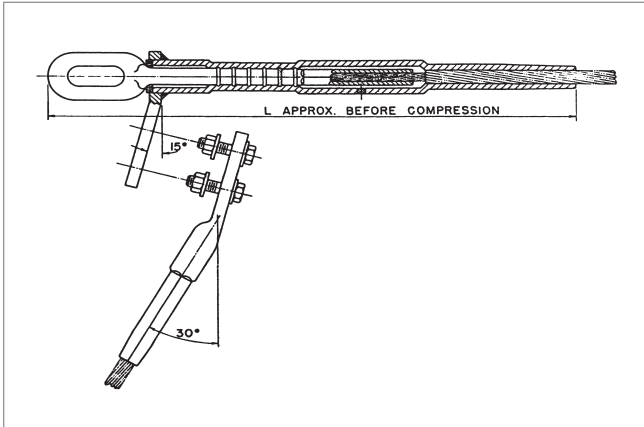


Compression Dead Ends—33100 Series for Extra High Strength ACSR Conductor, Eye Type, Single Tongue



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

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

For die size sections 30AH and above, the end tapers of the compression portions of all compression accessories are supplied with a high voltage finish. Corona bolts are furnished as standard on 15° terminals for these section sizes.

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

Ordering Instructions

Step 1: Assembly Catalog Number

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

Step 2: Terminal Connector

For an assembly without a terminal connector, use 'NT'.
For an assembly with a terminal connector, leave blank.

Step 3: Extra High Voltage Finish

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

Step 4: Assemble Catalog Number.



Example:

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

E33193NT

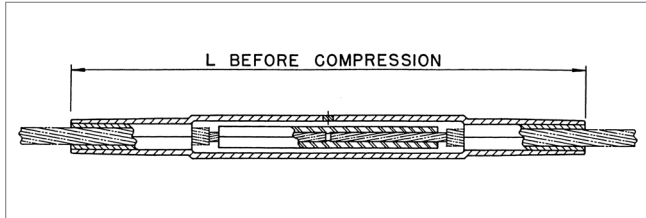
Notes:

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

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

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

Compression Joints—43000 Series for Extra High Strength ACSR Conductors



Ordering Instructions

Step 1: Assembly Catalog Number

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

Example:

For 203.2 Brahma Conductor, the complete catalog number is:

43008

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

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

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

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

Notes:

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

