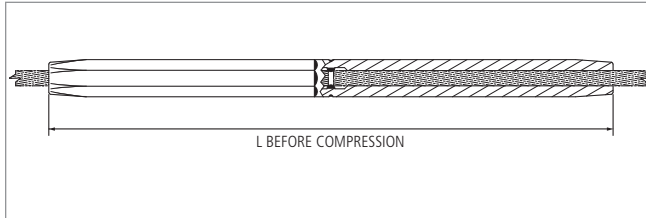


Compression Joints—4900 Series for Alumoweld® and Steel Ground Wire



Ordering Instructions

Step 1: Assembly Catalog Number

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

Example:

For 7 No. 7 Alumoweld, the complete catalog number is:

4916.484

The 4900 Series Compression Joint is specifically designed for Alumoweld and steel ground wires. The aluminum joint is fabricated from AFL seamless drawn aluminum. The 4900 series compression joint consists of only an aluminum sleeve and has no steel sleeve.

The 4900 Series compression joints are designed for full tension use, achieving a minimum of 95% of the ASTM rated breaking strength of the conductor on which they are used.

Alumoweld Strand:

JOINT CATALOG NUMBER	CONDUCTOR			DIE SIZE	WEIGHT		DIMENSION L	
	SIZE	DIAMETER		STEEL HEX DIES	LBS	KG	IN	MM
		IN	MM					
4910.251	3 No. 10	.220	5.6	10SH	0.1	0.05	7.3	184
4910.281	3 No. 9	.247	6.3	10SH	0.1	0.05	7.3	184
4910.295	3 No. 8	.277	7.0	10SH	0.2	0.09	7.5	191
4910.324	3 No. 7	.311	7.9	10SH	0.2	0.09	8.5	216
4912.351	3 No. 6	.349	8.9	12SH	0.3	0.14	9.0	229
4914.406	3 No. 5	.392	10.0	14SH	0.5	0.23	11.0	279
4912.330	7 No. 10	.306	7.8	12SH	0.49	0.22	9.0	356
4912.359	7 No. 9	.343	8.7	12SH	0.3	0.14	9.0	229
4914.406	7 No. 8	.385	9.8	14SH	0.5	0.23	11.0	279
4916.484	7 No. 7	.433	11.0	16SH	0.6	0.27	11.0	279
4916.531	7 No. 6	.486	12.3	16SH	0.6	0.27	11.0	381
4918.594	7 No. 5	.546	13.9	18SH	0.8	0.36	11.0	381
4918.530	19 No. 10	.509	12.9	18SH	1.3	0.59	11.0	431
4920.625	19 No. 9	.572	14.5	20SH	1.1	0.5	12.0	305

Notes:

1. Joints are lined with a compound made up of 60% silicon carbide and 40% CF-1.
2. Installation Instructions for Joints are on page 140.

Compression Joints—4900 Series for Alumoweld® and Steel Ground Wire (cont.)

Steel Ground Wire:

JOINT CATALOG NUMBER	CONDUCTOR				DIE SIZE	WEIGHT		DIMENSION L	
	SIZE	STRANDING	DIAMETER		STEEL HEX DIE	LBS	KG	IN	MM
		STEEL	IN	MM					
4912.332	5/16 EHS G.W.	7	0.312	7.9	12SH	0.5	0.22	14.0	356
4914.386	3/8 EHS G.W.	7	0.360	9.1	14SH	0.6	0.28	13.0	330
4916.453	7/16 EHS G.W.	7	0.435	11.0	16SH	0.9	0.42	15.0	381
4918.531	1/2 EHS G.W.	7	0.495	12.6	18SH	1.3	0.59	17.0	431