

Series 62 Saddle Clamps

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

319A*175 Saddle Clamp with EMI Braid Sock

Self-Locking



Shielded. Self-locking. Full radius saddles. Saddle clamp has shielding braid attached to EMI adapter. Fits AS50151 crimp (MS3450), AS95234, MIL-DTL-26482 Series II, MIL-DTL-83723 Series III connectors. Anti-decoupling mechanism in coupling nut provides audible detented coupling and prevents backoff under high vibration. Self-locking stainless steel clinch nuts. Aluminum or SST coupling nut and frame, with SST saddles. Straight, 45° and 90° profiles.

Adapter Code A	
AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, MIL-DTL-83723 Ser. III	

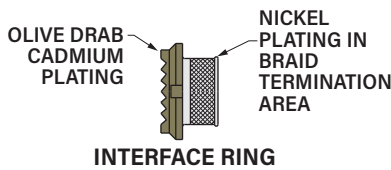
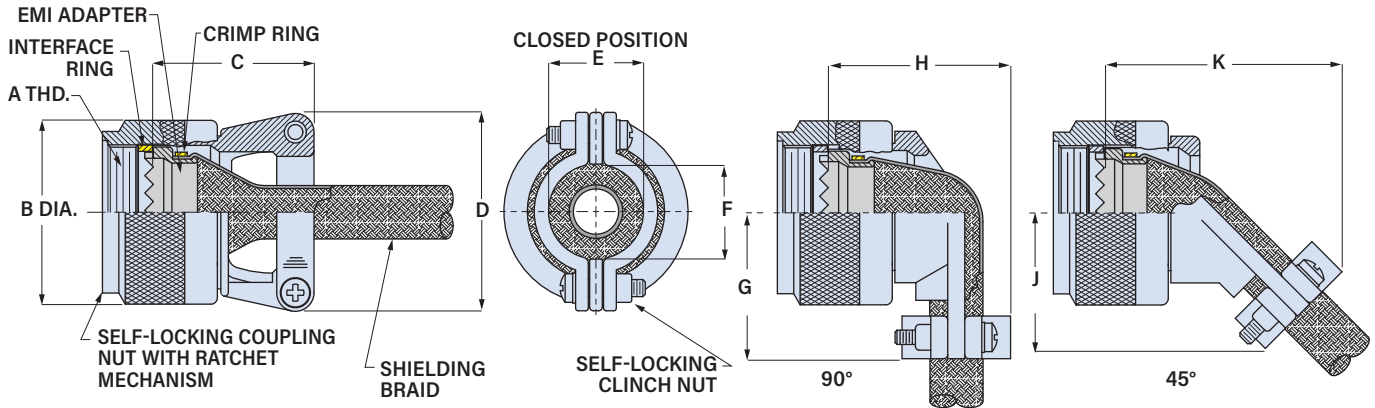


Figure 1
Finish Code NF selective Cad/Ni

PART NUMBER

		319AS175	ZI	10	L	R
Base P/N	319AS175 Straight 319AA175 90° 319AB175 45°					
Material/ Finish	M Alum/ Electroless Nickel MT Alum/ Nickel-PTFE NF Alum/ Olive Drab Cadmium ZR Alum/ Black Zinc-Nickel TZ Alum/ Tin-Zinc ZI Stainless Steel/ Passivate					
Shell Size	08 10 12 14 16 18 20 22 24					
Braid Type	<i>Omit for standard 34 AWG nickel/copper braid</i> T 34 AWG Tin/Copper Braid A AmberStrand® Nickel/Composite Braid L Microfilament ArmorLite® Nickel/SST Braid					
Splice ring and Band	<i>Omit if not required</i> R Splice ring and coiled band supplied with clamp					
Braid Length	<i>Omit for standard 12 inch length</i> 14 Length in 1 inch increments, 6 inch min. "14" = 14 inches.					



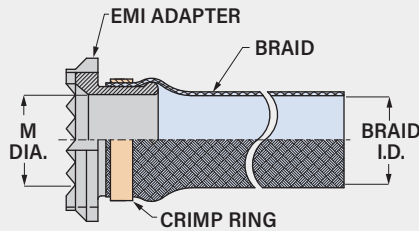
Shell Size	A Thread Class 2B	øB Max in	mm	C Max in	mm	D Max in	mm	E ± .031(0.8) in	mm	F Min in	mm	G Max in	mm	H Max in	mm	J Max in	mm	K Max in	mm
08	0.500-20 UNF	.812	20.6	.987	25.1	.922	23.4	.265	6.7	.27	6.9	.97	24.6	1.20	30.5	.964	24.5	1.428	36.3
10	0.625-24 UNEF	.936	23.8	1.095	27.8	.968	24.6	.310	7.9	.31	7.9	1.06	26.9	1.28	32.5	1.050	26.7	1.498	38.1
12	0.750-20 UNEF	1.060	26.9	1.199	30.5	1.189	30.2	.390	9.9	.38	9.7	1.16	29.5	1.40	35.6	1.112	28.2	1.548	39.3
14	0.875-20 UNEF	1.200	30.5	1.208	30.7	1.305	33.2	.506	12.9	.51	13.0	1.34	34.0	1.48	37.6	1.175	29.9	1.648	41.9
16	1.000-20 UNEF	1.318	33.5	1.468	37.3	1.389	35.3	.591	15.0	.59	15.0	1.41	35.8	1.56	39.6	1.230	31.2	1.768	44.9
18	1.0625-18 UNEF	1.434	36.4	1.551	39.4	1.458	37.1	.661	16.8	.66	16.8	1.53	38.9	1.68	42.7	1.293	32.8	1.808	45.9
20	1.1875-18 UNEF	1.540	39.1	1.676	42.6	1.543	39.2	.744	18.9	.74	18.8	1.66	42.2	1.72	43.7	1.365	34.7	1.858	47.2
22	1.3125-18 UNEF	1.671	42.4	1.759	44.7	1.628	41.4	.826	21.0	.83	21.1	1.78	45.2	1.79	45.5	1.417	36.0	1.898	48.2
24	1.4375-18 UNEF	1.790	45.5	1.859	47.2	1.697	43.1	.896	22.8	.90	22.9	1.89	48.0	1.88	47.8	1.500	38.1	2.000	50.8

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EMI ADAPTER AND BRAID DIMENSIONS

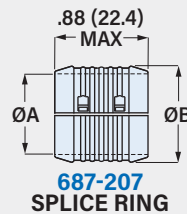


Shell Size	ø M Min.		Braid I.D.	
	in	mm	in	mm
08	.265	6.7	.375	9.5
10	.370	9.4	.375	9.5
12	.506	12.9	.500	12.7
14	.580	14.7	.500	12.7
16	.705	17.9	.781	19.8
18	.784	19.9	.781	19.8
20	.909	23.1	1.000	25.4
22	1.034	26.3	1.000	25.4
24	1.149	29.2	1.250	31.8

SPLICE RING AND PRE-COILED BAND (R OPTION)



Optional split splice ring provides a reliable, low resistance method of splicing braid sock to wire bundle braid. Snap splice ring over wire bundle braid, then overlap braid sock and cable braid. Install band around splice ring and braid using Band-Master ATS® standard banding tool.



687-207
SPLICE RING



Banding Tool

Shell Size	Splice ring Part Number	øA		øB	
		±.030 (0.8) in	±.030 (0.8) mm	±.030 (0.8) in	±.030 (0.8) mm
08	687-207XB04	.25	6.4	.40	10.2
10	687-207XB06	.38	9.7	.53	13.5
12	687-207XB08	.50	12.7	.65	16.5
14	687-207XB10	.63	16.0	.78	19.8
16	687-207XB12	.75	19.1	.90	22.9
18	687-207XB14	.88	22.4	1.03	26.2
20	687-207XB16	1.00	25.4	1.15	29.2
22	687-207XB18	1.13	28.7	1.28	32.5
24	687-207XB20	1.25	31.8	1.40	35.6

Shell Size	Band Part Number	Tool Part Number
All	601-041	601-100

MATERIAL/FINISH

Body, coupling nut: aluminum or stainless steel

Saddle bars: stainless steel/passivated

EMI adapter and interface ring: brass, plated per finish code. For finish code NF, adapter is selectively plated as shown in fig. 1. For finish code Z1, adapter and ring are plated electroless nickel

Crimp ring: copper/tin

Screws, washers: stainless steel/passivated

Clinch nuts: stainless steel/silver

Anti-decoupling spring: thermoplastic (aluminum versions) or SST (SST versions)

Coupling nut retainer wire: monel

Band strap: stainless steel

Braid: (standard) 34 AWG nickel-coated copper, type AA59569R34N

Code T: 34 AWG tin-coated copper, type AA59569R34T

Code A: *AmberStrand*® ultralightweight nickel-coated polymer

Code L: *ArmorLite*® microfilament nickel-coated 316L stainless steel