

Series 62 Saddle Clamps

for MIL-DTL-38999 Series III and IV Connectors

319H*201 Saddle Clamp with EMI Braid Sock, Composite

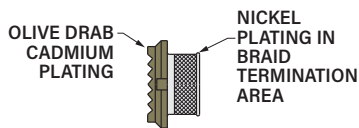
Self-Locking



Shielded. Self-locking. Composite. Saddle clamp has brass EMI adapter attached to 12 inches (30 cm) of shielding braid. Fits MIL-DTL-38999 Series III and IV connectors. Anti-decoupling mechanism in coupling nut provides audible detented coupling and prevents backoff under high vibration. Captive self-locking clinch nuts, full radius saddles. Available with ArmorLite® lightweight microfilament SST braid. Straight, 45° and 90° profiles.

Adapter Code **H**

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV



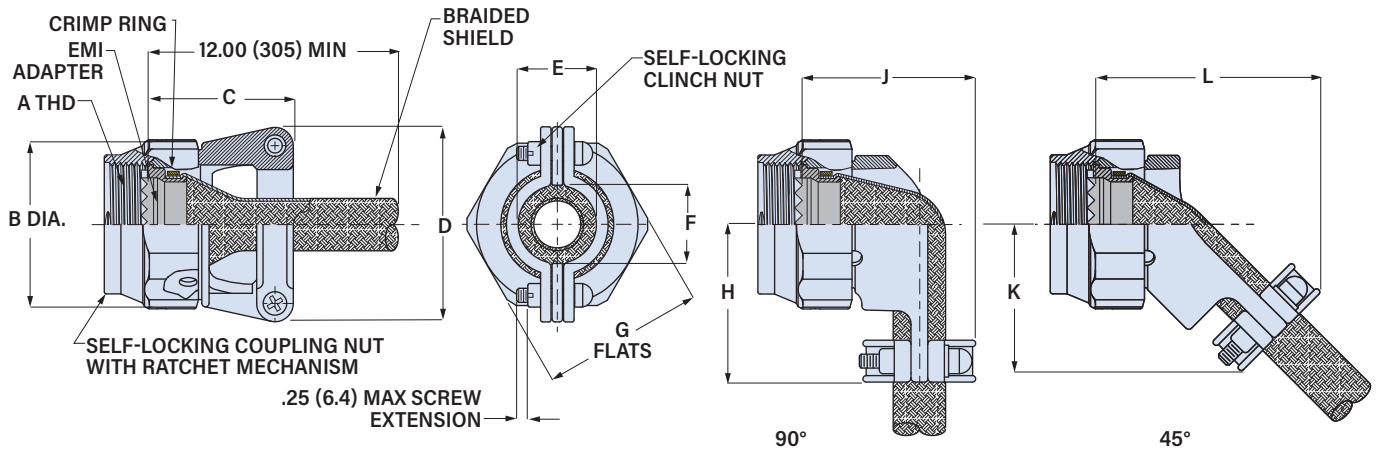
INTERFACE RING

Figure 1

Finish Code NF selective Cad/Ni

PART NUMBER

		319HS201	XN	17	L	R				
Base P/N	319HS201	Straight								
	319HA201	90°								
	319HB201	45°								
EMI Adapter Finish	XB	Electroless Nickel								
	XMT	Nickel/PTFE								
	XN	Olive Drab Cadmium, selective (fig.1)								
Size Code	Shell Size	9	11	13	15	17	19	21	23	25
	Size Code	09	11	13	15	17	19	21	23	25
Braid Type	<i>Omit for standard 34 AWG nickel/copper braid</i>									
	T	34 AWG Tin/Copper Braid								
	A	AmberStrand® Nickel/Composite 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.								



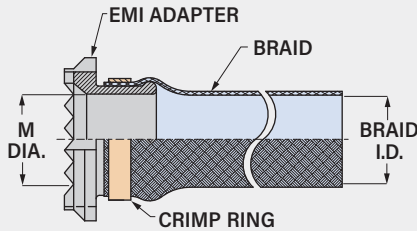
Shell Size	A Thread Class 2B	øB Max in	mm	C Max in	mm	D Max in	mm	E ± .031(0.79) in	mm	F Min in	mm	G Flats (ref) in	mm	H Max in	mm	J Max in	mm	K Max in	mm	L Max in	mm
9 (A)	M12X1.0-6H	.86	21.8	.939	22.9	.88	22.4	.265	6.73	.22	5.6	.75	19.1	.91	23.1	1.128	28.7	.901	22.9	1.388	35.3
11 (B)	M15X1.0-6H	.98	24.9	1.059	26.9	.94	23.9	.310	7.87	.27	6.9	.88	22.4	.97	24.6	1.168	29.7	.964	24.5	1.428	36.3
13 (C)	M18X1.0-6H	1.16	29.5	1.199	30.5	1.17	29.7	.390	9.91	.35	8.9	1.00	25.4	1.06	26.9	1.248	31.7	1.050	26.7	1.498	38.0
15 (D)	M22X1.0-6H	1.28	32.5	1.199	30.5	1.28	32.5	.506	12.85	.47	11.9	1.13	28.7	1.16	29.5	1.368	34.7	1.112	28.2	1.548	39.3
17 (E)	M25X1.0-6H	1.41	35.8	1.329	33.8	1.41	35.8	.591	15.01	.55	14.0	1.25	31.8	1.34	34.0	1.448	36.8	1.175	29.8	1.648	41.9
19 (F)	M28X1.0-6H	1.52	38.6	1.509	38.3	1.50	38.1	.661	16.79	.62	15.7	1.38	35.1	1.41	35.8	1.528	38.8	1.230	31.2	1.768	44.9
21 (G)	M31X1.0-6H	1.64	41.7	1.609	40.9	1.56	39.6	.744	18.90	.70	17.8	1.50	38.1	1.53	38.9	1.648	41.9	1.293	32.8	1.808	45.9
23 (H)	M34X1.0-6H	1.77	45.0	1.759	44.7	1.69	42.9	.826	20.98	.78	19.8	1.63	41.4	1.66	42.2	1.688	42.9	1.365	34.7	1.858	47.2
25 (J)	M37X1.0-6H	1.89	48.0	1.859	47.2	1.82	46.2	.896	22.76	.85	21.6	1.75	44.5	1.78	45.2	1.758	44.7	1.417	36.0	1.898	48.2

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for MIL-DTL-38999 Series III and IV Connectors

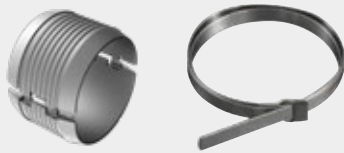
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EMI ADAPTER AND BRAID DIMENSIONS

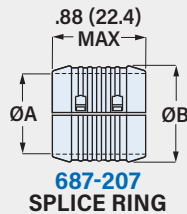


Shell Size	ø M Min.		Braid I.D.	
	in	mm	in	mm
9 (A)	.264	6.71	.375	9.53
11 (B)	.390	9.91	.375	9.53
13 (C)	.504	12.80	.500	12.70
15 (D)	.630	16.00	.500	12.70
17 (E)	.756	19.20	.781	19.84
19 (F)	.843	21.41	.781	19.84
21 (G)	.969	24.61	1.000	25.40
23 (H)	1.091	27.71	1.000	25.40
25 (J)	1.217	30.91	1.250	31.75

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, 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	mm	±.030 (0.8) in	mm
9 (A)	687-207XB04	.25	6.4	.40	10.2
11 (B)	687-207XB06	.38	9.7	.53	13.5
13 (C)	687-207XB08	.50	12.7	.65	16.5
15 (D)	687-207XB10	.63	16.0	.78	19.8
17 (E)	687-207XB12	.75	19.1	.90	22.9
19 (F)	687-207XB14	.88	22.4	1.03	26.2
21 (G)	687-207XB16	1.00	25.4	1.15	29.2
23 (H)	687-207XB18	1.13	28.7	1.28	32.5
25 (J)	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, saddles: polyetherimide (PEI)/no finish (black color)
- EMI adapter: brass, plated per finish code. For finish code XN, selectively plated as shown in fig. 1.
- Crimp ring: copper/tin
- Screws, washers, clinch nuts: stainless steel/passivated
- Clinch nuts: stainless steel/silver
- Anti-decoupling spring: high grade engineering thermoplastic
- Splice ring: PEI, black color
- 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