

# Series 62 Saddle Clamps

for MIL-DTL-38999 Series I and II Connectors

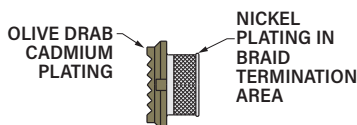
## 319F\*201 Saddle Clamp with EMI Braid Sock, Composite

Self-Locking



### Adapter Code **F**

This accessory fits these connectors:  
MIL-DTL-38999 Series I and Series II



INTERFACE RING

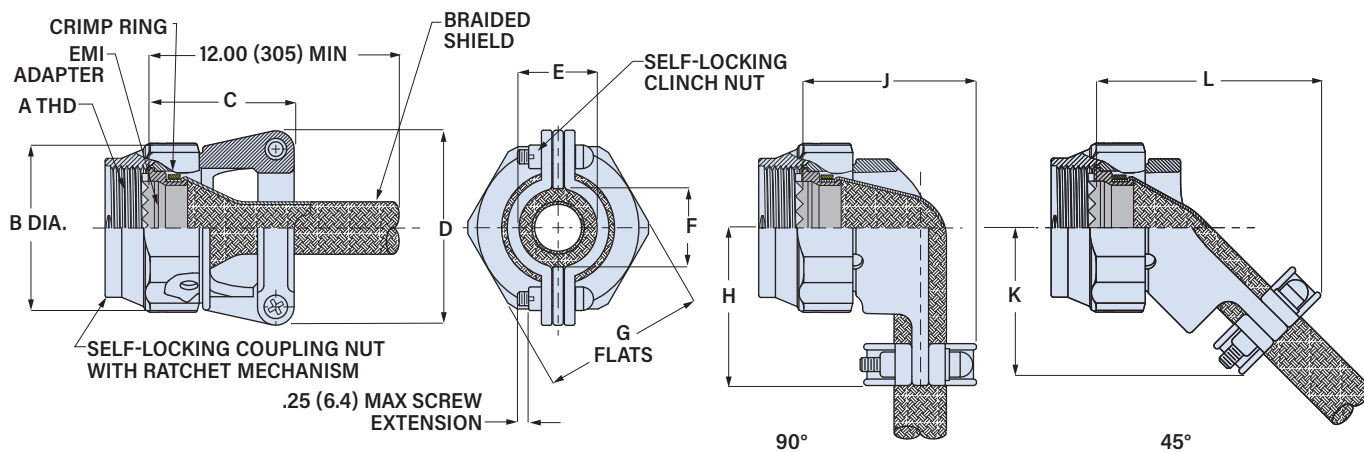
Figure 1

Finish Code XN selective Cad/Ni

**Shielded, Self-locking, Composite.** Saddle clamp has brass EMI adapter attached to 12 inches (30 cm) of shielding braid. Fits MIL-DTL-38999 Series I and II 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.

### PART NUMBER

	319FS201	XB	16	T	R	16				
Base P/N	319FS201	Straight								
	319FA201	90°								
	319FB201	45°								
EMI Adapter Finish	XB	Electroless Nickel								
	XMT	Nickel/PTFE								
	XN	Olive Drab Cadmium, selective (fig.1)								
Size Code	Shell Size									
	38999 Series I	9	11	13	15	17	19	21	23	25
	38999 Series II	8	10	12	14	16	18	20	22	24
		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.								



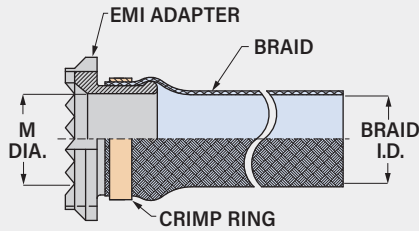
Shell Size	A Thread Class 2B	øB Max in mm	C Max in mm	D Max in mm	E ± .031(0.79) in mm	F Min in mm	G Flats (ref) in mm	H Max in mm	J Max in mm	K Max in mm	L Max in mm
8, 9	0.4375-28	.86 21.8	.939 23.9	.88 22.4	.265 6.7	.22 5.6	.75 19.1	.91 23.1	1.128 28.7	.901 22.9	1.388 35.3
10, 11	0.5625-24	.98 24.9	1.059 26.9	.94 23.9	.310 7.9	.27 6.9	.88 22.4	.97 24.6	1.168 29.7	.964 24.5	1.428 36.3
12, 13	0.6875-24	1.16 29.5	1.199 30.5	1.17 29.7	.390 9.9	.35 8.9	1.00 25.4	1.06 26.9	1.248 31.7	1.050 26.7	1.498 38.0
14, 15	0.8125-20	1.28 32.5	1.199 30.5	1.28 32.5	.506 12.9	.47 11.9	1.13 28.7	1.16 29.5	1.368 34.7	1.112 28.2	1.548 39.3
16, 17	0.9375-20	1.41 35.8	1.329 33.8	1.41 35.8	.591 15.0	.55 14.0	1.25 31.8	1.34 34.0	1.448 36.8	1.175 29.8	1.648 41.9
18, 19	1.0625-18	1.52 38.6	1.509 38.3	1.50 38.1	.661 16.8	.62 15.7	1.38 35.1	1.41 35.8	1.528 38.8	1.230 31.2	1.768 44.9
20, 21	1.1875-18	1.64 41.7	1.609 40.9	1.56 39.6	.744 18.9	.70 17.8	1.50 38.1	1.53 38.9	1.648 41.9	1.293 32.8	1.808 45.9
22, 23	1.3125-18	1.77 45.0	1.759 44.7	1.69 42.9	.826 21.0	.78 19.8	1.63 41.4	1.66 42.2	1.688 42.9	1.365 34.7	1.858 47.2
24, 25	1.4375-18	1.89 48.0	1.859 47.2	1.82 46.2	.896 22.8	.85 21.6	1.75 44.5	1.78 45.2	1.758 44.7	1.417 36.0	1.898 48.2

# Series 62 Saddle Clamps

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## 319F\*201 Saddle Clamp with EMI Braid Sock, Composite

### EMI ADAPTER AND BRAID DIMENSIONS

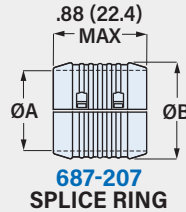


Shell Size	ø M Min.		Braid I.D.	
	in	mm	in	mm
8/9	.265	6.73	.375	9.53
10/11	.370	9.40	.375	9.53
12/13	.506	12.85	.500	12.70
14/15	.580	14.73	.500	12.70
16/17	.705	17.91	.781	19.84
18/19	.784	19.91	.781	19.84
20/21	.909	23.09	1.000	25.40
22/23	1.034	26.26	1.000	25.40
24/25	1.149	29.18	1.250	31.75

### 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 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
8/9	687-207XB04	.25	6.4	.40	10.2
10/11	687-207XB06	.38	9.7	.53	13.5
12/13	687-207XB08	.50	12.7	.65	16.5
14/15	687-207XB10	.63	16.0	.78	19.8
16/17	687-207XB12	.75	19.1	.90	22.9
18/19	687-207XB14	.88	22.4	1.03	26.2
20/21	687-207XB16	1.00	25.4	1.15	29.2
22/23	687-207XB18	1.13	28.7	1.28	32.5
24/25	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: 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