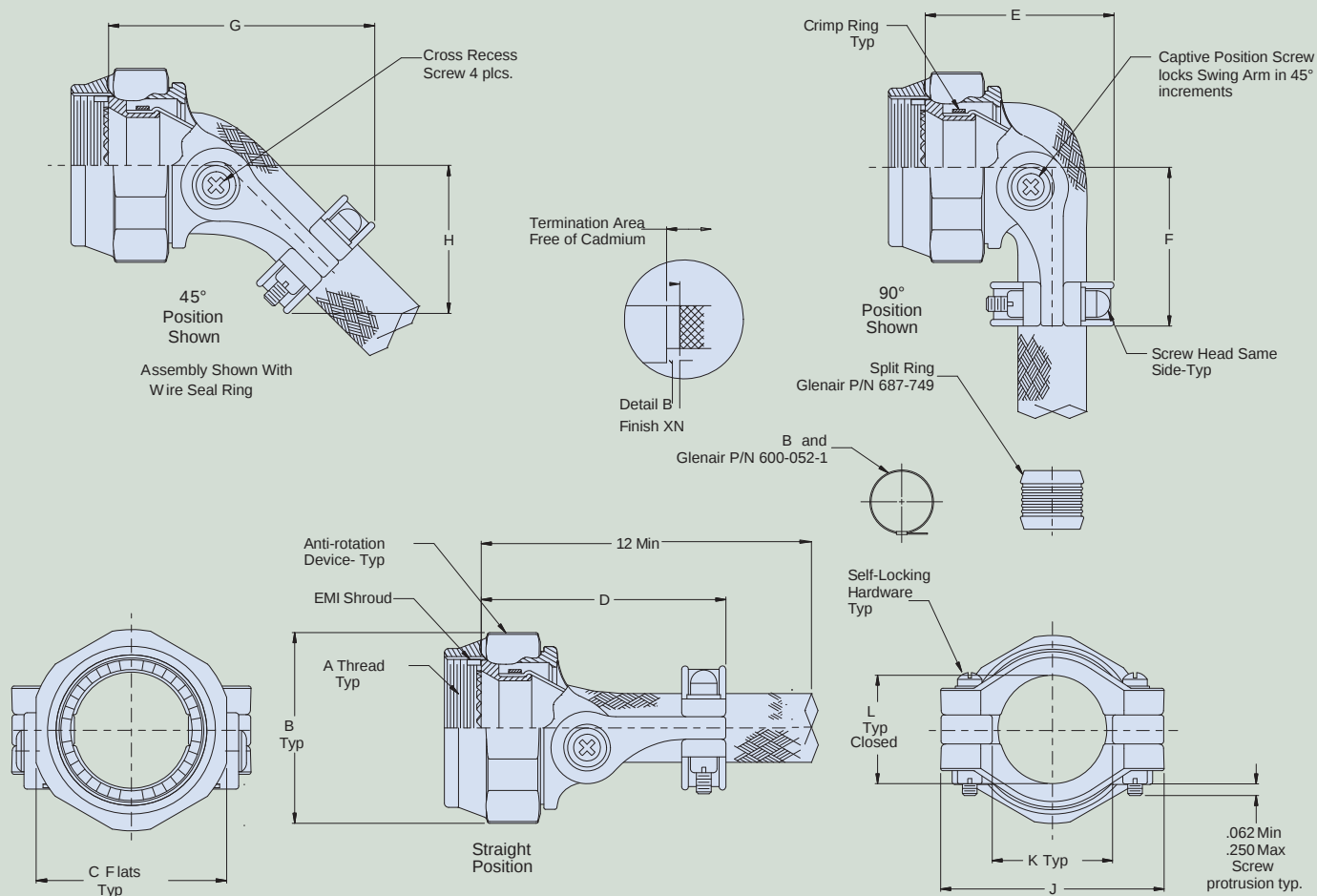


Swing-Arm 3-in-1 lightweight composite backshell with integrated EMI/RFI shield sock

319-181 wide mouth for larger diameter cables

WIDE MOUTH COMPOSITE BACKSHELL WITH SHIELD SOCK AND SELF-LOCKING ROTATABLE COUPLING NUT

How To Order	
Sample Part Number	319 H 181 XB 15 B R 14
Basic Part Number	319 - Swing-Arm backshell with shield sock
Connector Designator	A = MIL-DTL-83723 Series 3 F = MIL-DTL-38999 Series I and II* H = MIL-DTL-38999 Series III & IV
Basic Number	181
Finish Symbol	See Table II
Dash Number	See Dimensions Table I
Optional Braid Material	See Table III. Omit for standard Nickel/Copper 34AWG)
Split Ring Option	R = Supplied with Split Ring (687-207) and Band (600-052). Omit for none.
Custom Braid Length	Specify in Inches. Omit For Standard 12" Length



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Table I														
Connector Designator A			Connector Designator F			Connector Designator H			B Max Dia		C Flats			
Dash No.	Shell Size Ref	A Thread Class 2B	Dash No.	Shell Size Ref	A Thread Class 2B	Dash No.	Shell Size Ref	A Thread Iso Metric	In.	mm	Max		Min	
											In.	mm	In.	mm
08	08	1/2-20 UNF	08	08	7/16-28 UNEF	09	A	M12 x 1.0-6H	.812	20.6	.750	19.1	.736	18.7
10	10	5/8-24 UNEF	10	10	9/16-24 UNEF	11	B	M15 x 1.0-6H	.938	23.8	.875	22.2	.860	21.8
12	12	3/4-20 UNEF	12	12	11/16-24 UNEF	13	C	M18 x 1.0-6H	1.125	28.6	1.000	25.4	.980	24.9
14	14	7/8-20 UNEF	14	14	13/16-20 UNEF	15	D	M22 x 1.0-6H	1.250	31.8	1.125	28.6	1.100	27.9
16	16	1-20 UNEF	16	16	15/16-20 UNEF	17	E	M25 x 1.0-6H	1.375	34.9	1.250	31.8	1.224	31.1
18	18	1 1/16-18 UNEF	18	18	1 1/16-18 UNEF	19	F	M28 x 1.0-6H	1.500	38.1	1.375	34.9	1.348	34.2
20	20	1 3/16-18 UNEF	20	20	1 3/16-18 UNEF	21	G	M31 x 1.0-6H	1.625	41.3	1.500	38.1	1.469	37.3
22	22	1 5/16-18 UNEF	22	22	1 5/16-18 UNEF	23	H	M34 x 1.0-6H	1.750	44.5	1.625	41.3	1.581	40.2
24	24	1 7/16-18 UNEF	24	24	1 7/16-18 UNEF	25	J	M37 x 1.0-6H	1.875	47.6	1.750	44.5	1.690	42.9

Table I (continued)																			
Shell Size		D Max		E Max		F Max		G Max		H Max		J ± .03		K Min		L Ref		M wire bundle dim between ears ref.	
A, F	H																		
		In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm
08	09	1.51	38.4	.98	24.9	.80	20.3	1.46	37.1	.78	19.8	.936	23.8	.350	8.9	.310	7.9	.393	10.0
10	11	1.58	40.1	1.05	26.7	.90	22.9	1.57	39.9	.87	22.1	1.172	29.8	.455	11.6	.375	9.5	.455	11.6
12	13	1.64	41.7	1.29	32.8	.97	24.6	1.76	44.7	1.02	25.9	1.406	35.7	.640	16.3	.594	15.1	.586	14.9
14	15	1.65	41.9	1.37	34.8	1.03	26.2	1.82	46.2	1.06	26.9	1.500	38.1	.710	18.0	.661	16.8	.710	18.0
16	17	1.74	44.2	1.44	36.6	1.10	27.9	1.92	48.8	1.12	28.4	1.562	39.7	.839	21.3	.713	18.1	.839	21.3
18	19	1.74	44.2	1.54	39.1	1.16	29.5	2.00	50.8	1.16	29.5	1.687	42.8	.922	23.4	.795	20.2	.934	23.7
20	21	1.89	48.0	1.69	42.9	1.23	31.2	2.18	55.4	1.29	32.8	1.912	48.6	1.068	27.1	.996	25.3	1.068	27.1
22	23	1.92	48.8	1.76	44.7	1.30	33.0	2.25	57.2	1.35	34.3	2.036	51.7	1.197	30.4	1.060	26.9	1.197	30.4
24	25	2.08	52.8	1.79	45.5	1.49	37.8	2.39	60.7	1.47	37.3	2.281	57.9	1.323	33.6	1.123	28.5	1.323	33.6

Table II - Finish	
Sym	Finish Description
XB	No Plating, Black
XM	Electroless Nickel
XMT	Ni-PTFE, Nickel-Fluorocarbon Polymer
XN	Selective Plating, Nickel & CAD O.D., See Detail B

Table III - Braid Material	
Sym	Braid
A	100% AmberStrand®
B	75%/25% AmberStrand® Blend
(omit)	Standard Nickel/Copper 34 AWG
L	ArmorLite™
M	75%/25% ArmorLite™ Blend
T	Tin/Copper 34 AWG

NOTES

- Glenair Series 600 Assembly Tools are recommended for assembly and installation.
- Swing arm locks in 45° increments, shell size 09 through 25. Additional positioning increments are manufacturer's option.
- Screw is captive to the arm when disengaged. When tightened, the screw will not protrude into the inside surfaces.

MATERIAL/FINISH:

Clamp body, coupling nut, saddles - High grade thermoplastic/See Table III.

EMI/RFI Adapter - Brass

Anti-rotation device - corrosion-resistant material

Shield - Copper/nickel plate

Interface ring and shroud - see Table II

Crimp ring - Copper/Tin plated.