

319-181 "Wide Mouth" Composite Low-Profile Swing-Arm Strain Relief with Shield Sock and Self-Locking Rotatable Coupling

CONNECTOR DESIGNATOR:

A	MIL-DTL-5015, -26482 Series II, and -83723 Series I and III
F	MIL-DTL-38999 Series I, for Series II See Note 8
H	MIL-DTL-38999 Series III and IV

SELF-LOCKING

ROTATABLE COUPLING

LOW PROFILE

Product Series
319 - EMI/RFI Shield
Sock Assemblies

Finish Symbol
(See Table III)

Custom Braid Length
Specify In Inches
(Omit for Std. 12" Length)

Connector Designator
A, F, and H

Optional Braid Material
B - See Table IV for Options
(Omit for Std. Nickel/Copper)

319

H

181

XB

15

B

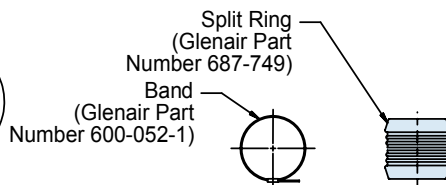
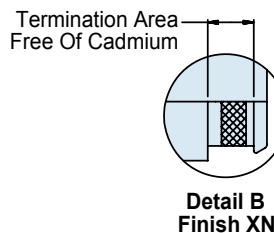
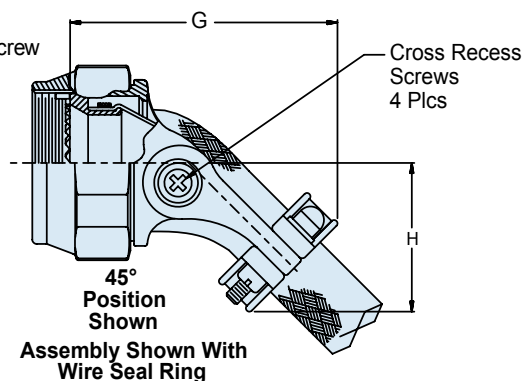
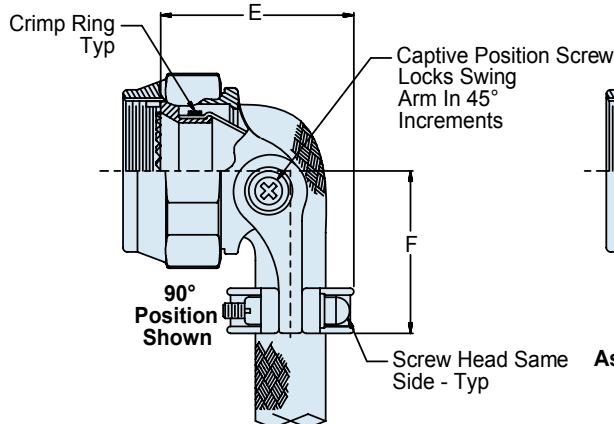
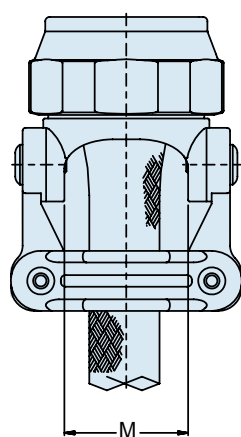
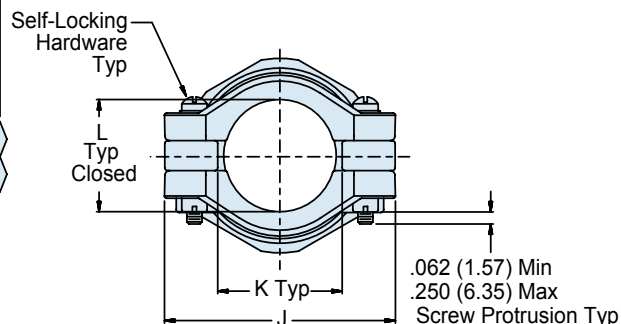
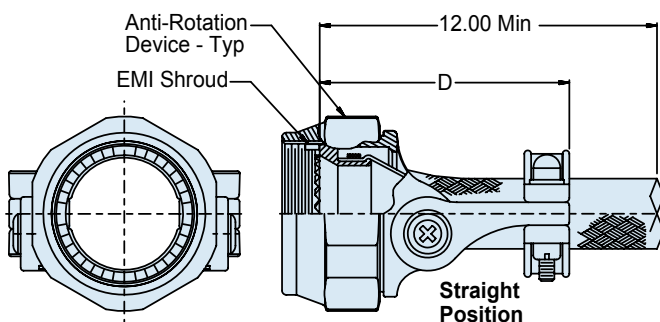
R

14

**Basic Part
Number**

**Connector
Shell Size**
(See Table II)

Split Ring / Band Option
Split Ring (687-749) and Band
(600-052-1) supplied with **R** option
(Omit for none)



U.S. PATENT NO. 6419519

319-181

"Wide Mouth" Composite Low-Profile Swing-Arm Strain Relief with Shield Sock and Self-Locking Rotatable Coupling



Composite
Backshells

TABLE II: SHELL SIZE (Continued Below)

Shell Size		D Max	E Max	F ± .03 (0.76)	G Max	H Max	J ± .03 (0.76)	K Min	L Ref	M Wire Bundle Dimension Between Ears Ref
A, F	H									
08	09	1.510 (38.35)	.980 (24.89)	.800 (2.32)	1.460 (37.08)	.780 (19.81)	.936 (23.77)	.350 (8.89)	.310 (7.87)	.393 (9.98)
10	11	1.580 (40.13)	1.050 (26.67)	.900 (22.86)	1.570 (39.88)	.870 (22.10)	1.172 (29.77)	.455 (11.56)	.375 (9.53)	.455 (11.56)
12	13	1.640 (41.66)	1.290 (32.77)	.970 (24.64)	1.760 (44.70)	1.020 (25.91)	1.406 (35.71)	.640 (16.26)	.591 (15.01)	.598 (15.19)
14	15	1.650 (41.91)	1.370 (34.80)	1.030 (25.75)	1.820 (46.23)	1.060 (26.92)	1.500 (38.10)	.710 (18.03)	.661 (16.79)	.710 (18.03)
16	17	1.740 (44.20)	1.440 (36.58)	1.100 (27.50)	1.920 (48.77)	.839 (21.31)	1.562 (39.67)	.839 (21.31)	.713 (18.11)	.839 (21.31)
18	19	1.740 (44.20)	1.540 (39.12)	1.160 (29.46)	2.000 (50.80)	1.160 (29.46)	1.687 (42.85)	.922 (23.42)	.795 (20.19)	.934 (23.72)
20	21	1.890 (48.01)	1.690 (42.93)	1.230 (31.24)	2.180 (55.37)	1.290 (32.77)	1.912 (48.56)	1.068 (27.13)	.996 (25.30)	1.068 (27.13)
22	23	1.920 (48.77)	1.760 (44.70)	1.300 (33.02)	2.250 (57.15)	1.350 (34.29)	2.036 (51.71)	1.197 (30.40)	1.060 (26.92)	1.197 (30.40)
24	25	2.080 (52.83)	1.790 (45.47)	1.490 (37.85)	2.390 (60.71)	1.470 (37.34)	2.281 (57.94)	1.323 (33.60)	1.123 (28.52)	1.323 (33.60)

TABLE III: FINISH

Symbol	Finish
XB	Composite Material—No Plating, Color Black, Brass Interface Shroud and Adapter—Nickel Plated
XMT	2000 Hour Corrosion Resistant Ni-PTFE, Nickel-Fluorocarbon Polymer. 1000 Hour Grey™
XN	Composite Material—No Plating, Color Black and Brown, Brass Interface Shroud and Adapter— Selectively Cadmium Plated (See Detail B)

TABLE IV: BRAID TYPE

Symbol	Braid Type
A	100% AmberStrand®
B	75%/25% AmberStrand® Blend
L	100% ArmorLite™
Standard	Nickel/Copper 34awg
T	Tin/Copper 34awg

NOTES

- See Table I in Intro for front-end dimensional details.
- Metric dimensions (mm) are in parentheses.
- See composite thermoplastic shield sock assembly procedure for detailed installation instructions.
- Coupling nut supplied unplated.
- Glenair Series 600 Assembly Tools are recommended for installation.
- Swing arm locks in 45° increments, shell size 09 through 25. Additional positioning increments are manufacturer's option.
- Screw is captive to the body when disengaged. When tightened, the screw will not protrude into the surface.
- Clamps accommodate MIL-DTL-38999, Series I, II, WIII and IV connectors, interface IAW AS85049, Figure 3. Add mod code -475 to end of part number for use with Series II connectors. Backshell to be supplied less shroud.
- Material/Finish:
Clamp body, coupling nut, saddles - High grade engineering thermoplastic/See Table III.
Clamp hardware - CRES/Passivate
Adapter (EMI/RFI) - Brass/Table III.
Anti-rotation device - Corrosion resistant material.
Shield - Copper/Nickle plate.
Interface ring and shroud - Table III.
Crimp ring - Copper/Tin plated.