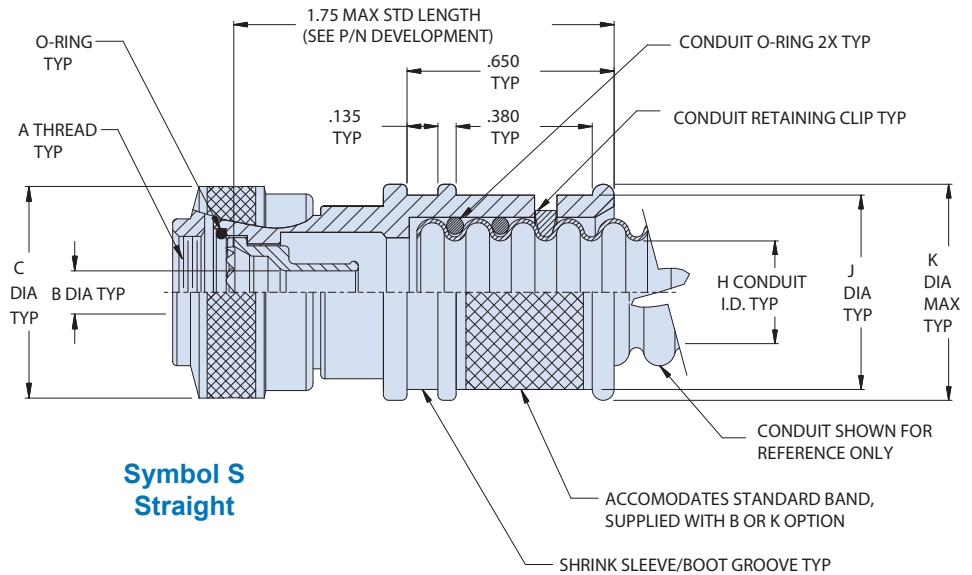
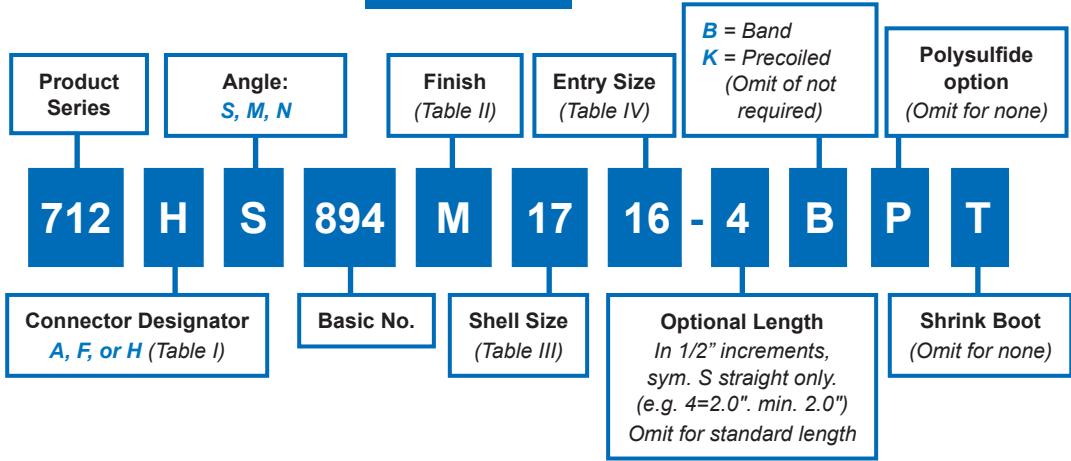




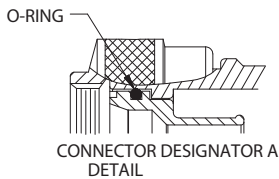
**712-894**  
**Guardian System - Metal**  
**Convoluted Tubing to Connector Backshell**  
**for Series 72 Annular Convolute Tubing**

**Metal Guardian System universal convoluted tubing to connector and adapter backshell, self locking, EMI/RFI environmental with Drop-In Follower**

**How To Order**



**Symbol S  
Straight**



**Material and Finish**

- Adapters, elbows, coupling nut: See Table II
- O-Rings: Silicone/NA
- Retaining clip: High grade engineering thermoplastic/NA
- Anti-decoupling device: Corrosion resistant material

**Tools and Assembly notes**

- Conduit retaining clip and conduit O-Ring to be supplied unassembled
- Glenair assembly procedure is recommended for adapter to conduit termination. See Guardian assembly procedure at the end of this section
- Assembly supplied with Band-Master ATS Micro-Band for shield termination onto the Drop-In follower. Options B and K are for an additional band to terminate the overall shielding.

712-894

**Guardian System - Metal**  
**Convoluted Tubing to Connector Backshell**  
**for Series 72 Annular Convoluted Tubing**



Series 72  
Annular Tubing

B

Table III: Connector Designators/Dimensions

Connector Designator A		Connector Designator F		Connector Designator H		ØB			ØC
Shell Size	A Thread Class 2B	Shell Size	A Thread Class 2B	Shell Size	A Thread Iso Metric	A	F	H	
08	1/2-20 UNF	08	7/16-28 UNEF	09	M12 X 1.0-6H	0.160 (4.1)	0.138 (3.5)	0.160 (4.1)	0.94 (23.9)
10	5/8-24 UNEF	10	9/16-24 UNEF	11	M15 X 1.0-6H	0.270 (6.9)	0.248 (6.3)	0.270 (6.9)	1.06 (26.9)
12	3/4-20 UNEF	12	11/16-24 UNEF	13	M18 X 1.0-6H	0.390 (9.9)	0.374 (9.5)	0.390 (9.9)	1.17 (29.7)
14	7/8-20 UNEF	14	13/16-20 UNEF	15	M22 X 1.0-6H	0.512 (13.0)	0.455 (11.6)	0.512 (13.0)	1.29 (32.8)
16	1-20 UNEF	16	15/16-20 UNEF	17	M25 X 1.0-6H	0.610 (15.5)	0.577 (14.7)	0.627 (15.9)	1.42 (36.1)
18	11/16-18 UNEF	18	11/16-18 UNEF	19	M28 X 1.0-6H	0.672 (17.1)	0.672 (17.1)	0.747 (19.0)	1.54 (39.1)
20	13/16-18 UNEF	20	13/16-18 UNEF	21	M31 X 1.0-6H	0.797 (20.2)	0.797 (20.2)	0.891 (22.6)	1.67 (42.4)
22	15/16-18 UNEF	22	15/16-18 UNEF	23	M34 X 1.0-6H	0.922 (23.4)	0.922 (23.4)	0.996 (25.3)	2.01 (51.1)
24	17/16-18 UNEF	24	17/16-18 UNEF	25	M37 X 1.0-6H	1.047 (26.6)	1.047 (26.6)	1.121 (28.5)	2.12 (53.8)

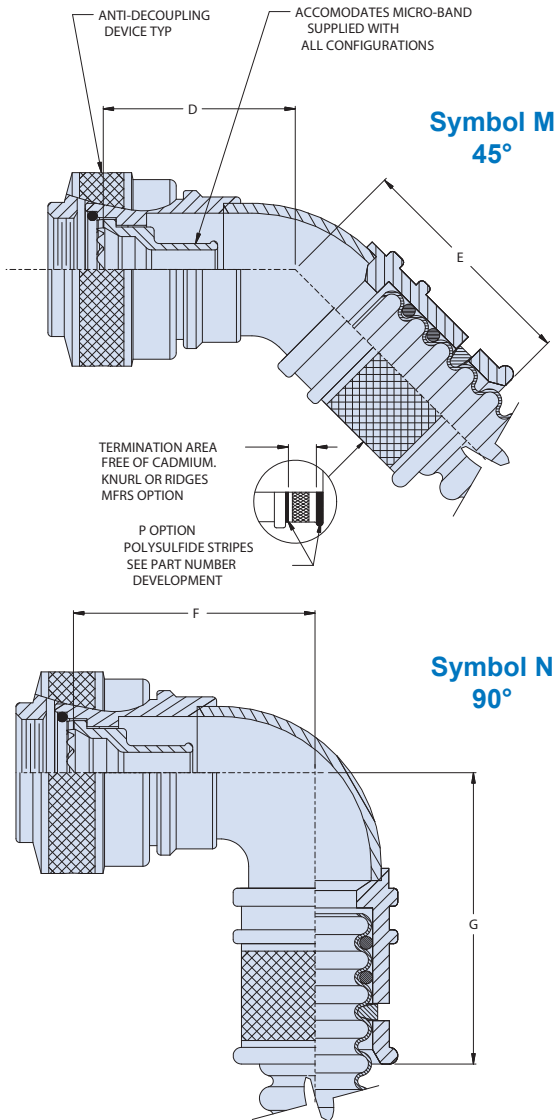


Table III: Shell Size/Dimensions

Shell Size		D Max	E Max	F Max	G Max
A,F	H				
08	09	1.000 (25.4)	1.220 (31.0)	1.158 (29.4)	1.380 (35.1)
10	11	1.027 (26.1)	1.230 (31.2)	1.220 (31.0)	1.420 (36.1)
12	13	1.027 (26.1)	1.230 (31.2)	1.220 (31.0)	1.420 (36.1)
14	15	1.079 (27.4)	1.260 (32.0)	1.283 (32.6)	1.460 (37.1)
16	17	1.105 (28.1)	1.260 (32.0)	1.345 (34.2)	1.500 (38.1)
18	19	1.157 (29.4)	1.310 (33.3)	1.408 (35.8)	1.560 (39.6)
20	21	1.183 (30.0)	1.360 (34.5)	1.470 (37.3)	1.640 (41.7)
22	23	1.208 (30.7)	1.400 (35.6)	1.533 (38.9)	1.730 (43.9)
24	25	1.234 (31.3)	1.450 (36.8)	1.595 (40.5)	1.810 (46.0)

Table IV: Entry Code/Dimensions/Shrink Boot

Entry Code	H Conduit I.D.		ØJ	ØK Max	T Shrink Boot
	Min	Max			
06	.16 (4.1)	.19 (4.8)	0.44 (11.2)	0.53 (13.5)	<b>770-001S103</b>
09	.25 (6.4)	.28 (7.1)	0.54 (13.7)	0.63 (16.0)	<b>770-001S103</b>
12	.33 (8.4)	.37 (9.4)	0.64 (16.3)	0.73 (18.5)	<b>770-001S104</b>
14	.40 (10.2)	.44 (11.2)	0.71 (18.0)	0.80 (20.3)	<b>770-001S104</b>
16	.45 (11.4)	.50 (12.7)	0.77 (19.6)	0.86 (21.8)	<b>770-001S104</b>
20	.57 (14.5)	.62 (15.8)	0.89 (22.6)	0.98 (24.9)	<b>770-001S105</b>
24	.69 (17.5)	.75 (19.1)	1.06 (26.9)	1.15 (29.2)	<b>770-001S106</b>
28	.81 (20.6)	.87 (22.2)	1.18 (30.0)	1.27 (32.3)	<b>770-001S107</b>
32	.93 (23.6)	1.00 (25.4)	1.31 (33.3)	1.40 (35.6)	<b>770-001S107</b>
40	1.18 (30.0)	1.25 (31.8)	1.53 (38.9)	1.62 (41.1)	<b>770-001S107</b>

Table II: Finish

Sym	Material	Finish Description
M	Aluminum Alloy	Electroless Nickel
MT		Nickel-PTFE
NF		Cad/Olive Drab over Electroless Nickel
ZN		Zinc Nickel/Olive Drab over Electroless Nickel
Z1	Stainless Steel	Passivate
ZM		Electroless Nickel
ZW		CAD O.D. over Electroless Nickel