

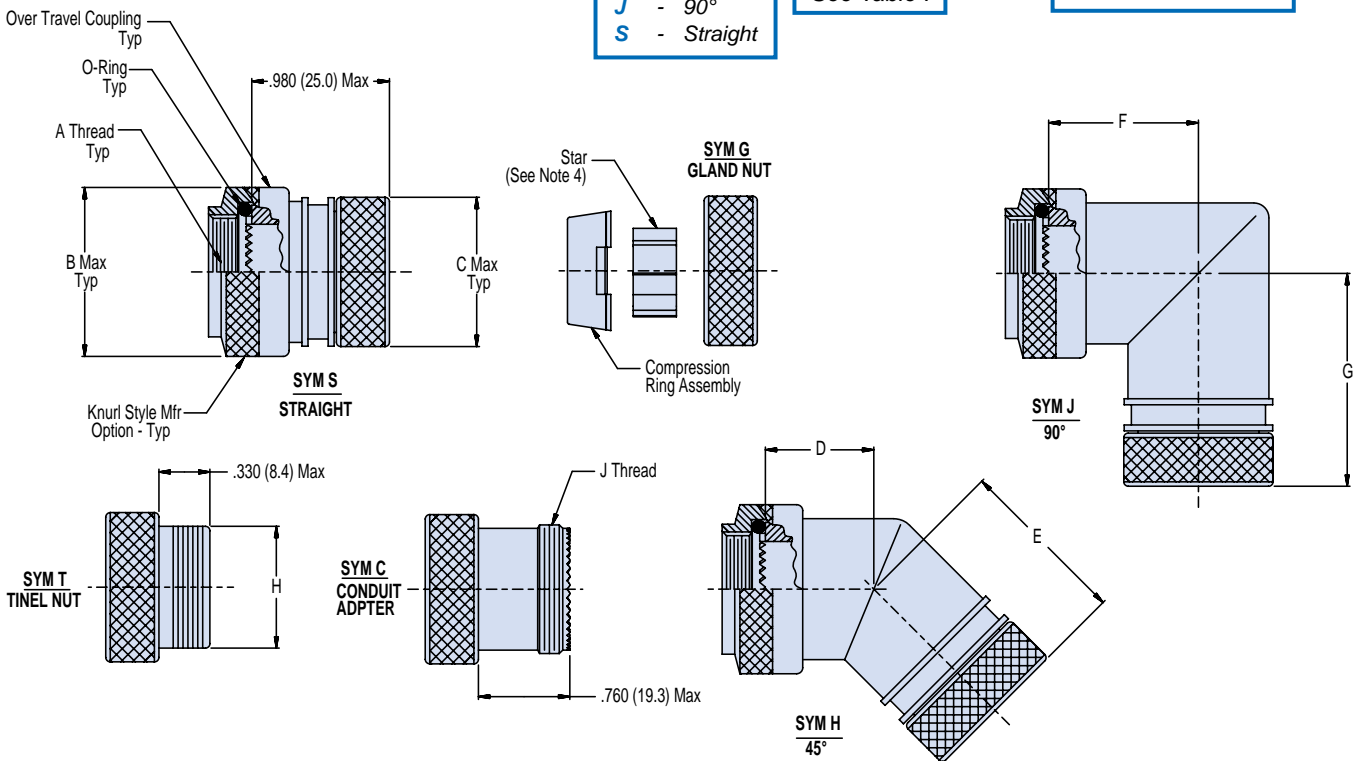
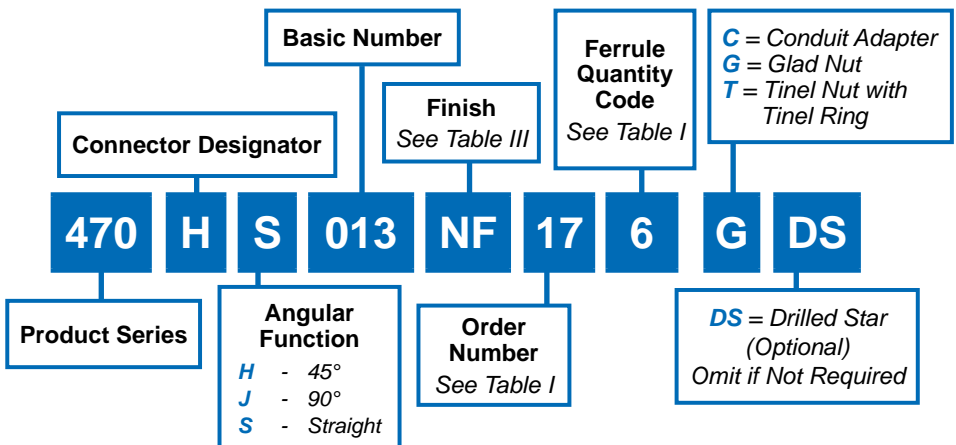


# 470H\*013 EMI/RFI StarShield Backshell for MIL-DTL-38999 Series III and IV Connectors

## CONNECTOR DESIGNATOR

**H**

**SELF-LOCKING  
ROTATABLE  
COUPLING**



### APPLICATION NOTES

1. Assembly identified with manufacturer's name and part number, space permitting.
2. For effective grounding, connector with conductive finish should be used.
3. Glenair Series 600 Series Backshell Assembly Tools are recommended for assembly and installation.
4. Star not supplied with Order Number 09. Drilled star is available on order numbers 15-25 only. If optional ferrule quantity per Table I is selected, one split and one solid star will be supplied.
5. Ferrules sold separately.
6. Material/Finish:  
Adapter, elbows, coupling and gland nut, compression ring, star - aluminum alloy or cres/Table III  
O-Ring - Silicone/N.A.  
Tinel ring - Nickel-titanium alloy/N.A.
7. Metric dimensions (mm) are indicated in parentheses.

**470H\*013**  
**EMI/RFI StarShield Backshell**  
for MIL-DTL-38999 Series III and IV Connectors



**TABLE I: ORDER NUMBER AND DIMENSIONS (Continued Below)**

Order Number	Connector Shell Size Ref	A Thread Iso Metric	B Dia Max	C Dia Max	D Max
09	A/9	M12 X 1 - 6H	.750 (19.0)	.690 (17.5)	.490 (12.5)
11	B/11	M15 X 1 - 6H	.870 (22.0)	.850 (21.5)	.510 (13.0)
13	C/13	M18 X 1 - 6H	1.000 (25.4)	.890 (22.5)	.550 (14.0)
15	D/15	M22 X 1 - 6H	1.200 (30.5)	1.000 (25.4)	.570 (14.5)
17	E/17	M25 X 1 - 6H	1.320 (33.5)	1.120 (28.5)	.590 (15.0)
19	F/19	M28 X 1 - 6H	1.460 (37.0)	1.240 (31.5)	.610 (15.5)
21	G/21	M31 X 1 - 6H	1.520 (38.5)	1.380 (35.0)	.650 (16.5)
23	H/23	M34 X 1 - 6H	1.650 (42.0)	1.500 (38.0)	.670 (17.0)
25	J/25	M37 X 1 - 6H	1.830 (46.5)	1.610 (41.0)	.710 (18.0)

**TABLE I: (Continued from Above)**

Order Number	E Max	F Max	G Max	H ± .003 (.08)	J Thread Iso Metric	Ferrule Quantity (See Note 4)	
						Std.	Opt.
09	1.000 (25.4)	.630 (16.0)	1.140 (29.0)	.435 (11.0)	M12 X 1 - 6g	1	-
11	1.020 (26.0)	.690 (17.5)	1.200 (17.5)	.623 (15.8)	M15 X 1 - 6g	2	-
13	1.040 (26.5)	.750 (19.0)	1.260 (32.0)	.746 (32.0)	M18 X 1 - 6g	3	-
15	1.080 (27.5)	.810 (20.5)	1.320 (33.5)	.871 (22.1)	M22 X 1 - 6g	5	-
17	1.100 (28.0)	.870 (22.0)	1.380 (35.0)	.996 (25.3)	M25 X 1 - 6g	6	7
19	1.120 (28.5)	.930 (23.5)	1.440 (36.5)	1.121 (28.5)	M28 X 1 - 6g	7	-
21	1.140 (29.0)	1.000 (25.4)	1.520 (38.5)	1.245 (31.6)	M31 X 1 - 6g	9	11
23	1.180 (30.0)	1.060 (27.0)	1.570 (40.0)	1.371 (34.8)	M34 X 1 - 6g	10	13
25	1.220 (31.0)	1.120 (28.5)	1.630 (41.5)	1.371 (34.8)	M37 X 1 - 6g	12	17

**TABLE II: SHELL SIZE AND SHRINK BOOT**

Shell Size	Shrink Boot Ref. Part No.
09	770-001S104
11	770-001S106
13	770-001S106
15	770-001S107
17	770-001S107
19	770-001S108
21	770-001S108
23	770-001S108
25	770-001S109

**TABLE III: FINISHES**

Symbol	Finish
M	Electroless Nickel
NF	Cadmium Plate, Olive Drab over Electroless Nickel
Z1	Stainless Steel/Passivate
ZL	CRES/Electroless Nickel
ZM	Stainless Steel/ Electroless Nickel

