

# 189-016 Self-Locking Banding Backshell with Strain Relief

SuperNine® MIL-DTL-38999 Type



### MATERIAL AND FINISH

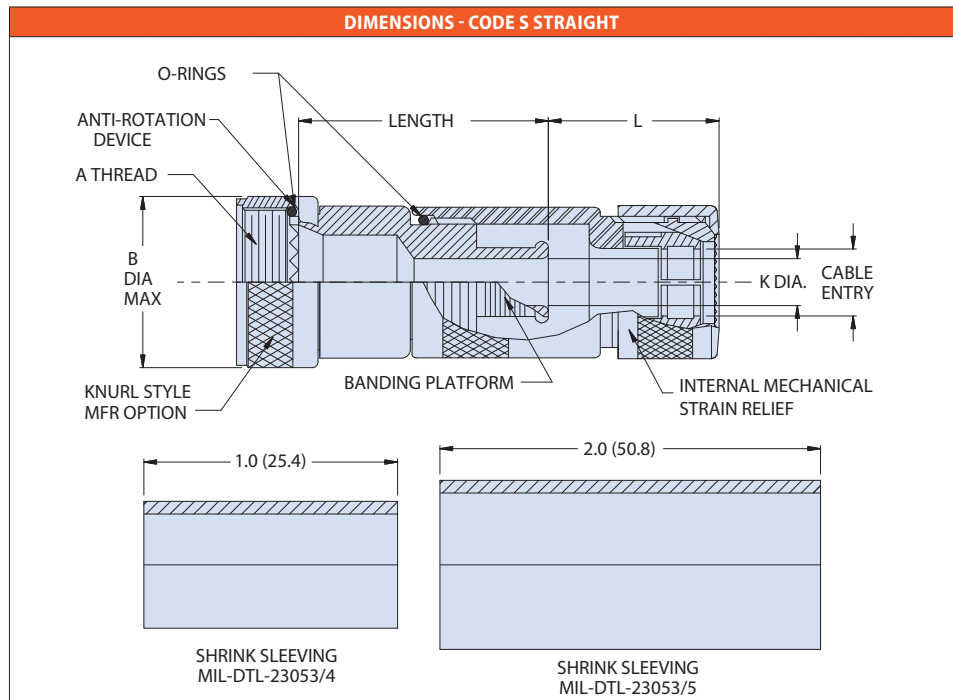
- Adapter, Coupling Nut: See Material and Finish table
- Clamp Components: Ryton R4XT-Black, Ultem 1000-Natural
- Anti-Rotation Device: Torlon 42031-Natural

### NOTES

- Glenair 600 Series Backshell assembly tools are recommended for assembly and installation.
- Standard minimum length: 1.5 inches, for shorter length consult factory.
- For Shield termination see Glenair drawings 600-050 & 600-052.
- Consult factory for larger cable size.
- MIL-I-23053/4 & /5 Shrink Sleeve packaged loose in a plastic bag.
- MIL-I-23053/4 Shrink Sleeve to be heat shrunk over rear of Adapter before MIL-I-23053/5 Shrink Sleeve.
- For assembly instruction, see GAP-064

Band-in-a-Can type backshell ideally suited for hybrid fiber optic and electrical applications which require a cable shield termination as well as light-duty cable strain relief.

HOW TO ORDER									
<b>Sample Part Number</b>	<b>189</b>	<b>H</b>	<b>S</b>	<b>016</b>	<b>M</b>	<b>17</b>	<b>07</b>	<b>-3</b>	<b>B</b>
<b>Series</b>	Backshell								
<b>Connector Designator</b>	H = MIL-DTL-38999, Series III								
<b>Angle Code</b>	S = Straight M = 45° N = 90°								
<b>Basic No.</b>	Self-locking banding backshell with strain relief								
<b>Material/Finish</b>	See Material and Finish table								
<b>Shell Size</b>	See Dimensions tables								
<b>Clamp-Size Dash Number</b>	See Dash Numbers table								
<b>Length</b>	In 1/2 inch increments (Example: 3 = 1.5 Inches). Minimum 1.5" For code S Straight backshell only, omit for 45° or 90°								
<b>Band Strap</b>	B = Supplied with band strap Omit = No band strap								

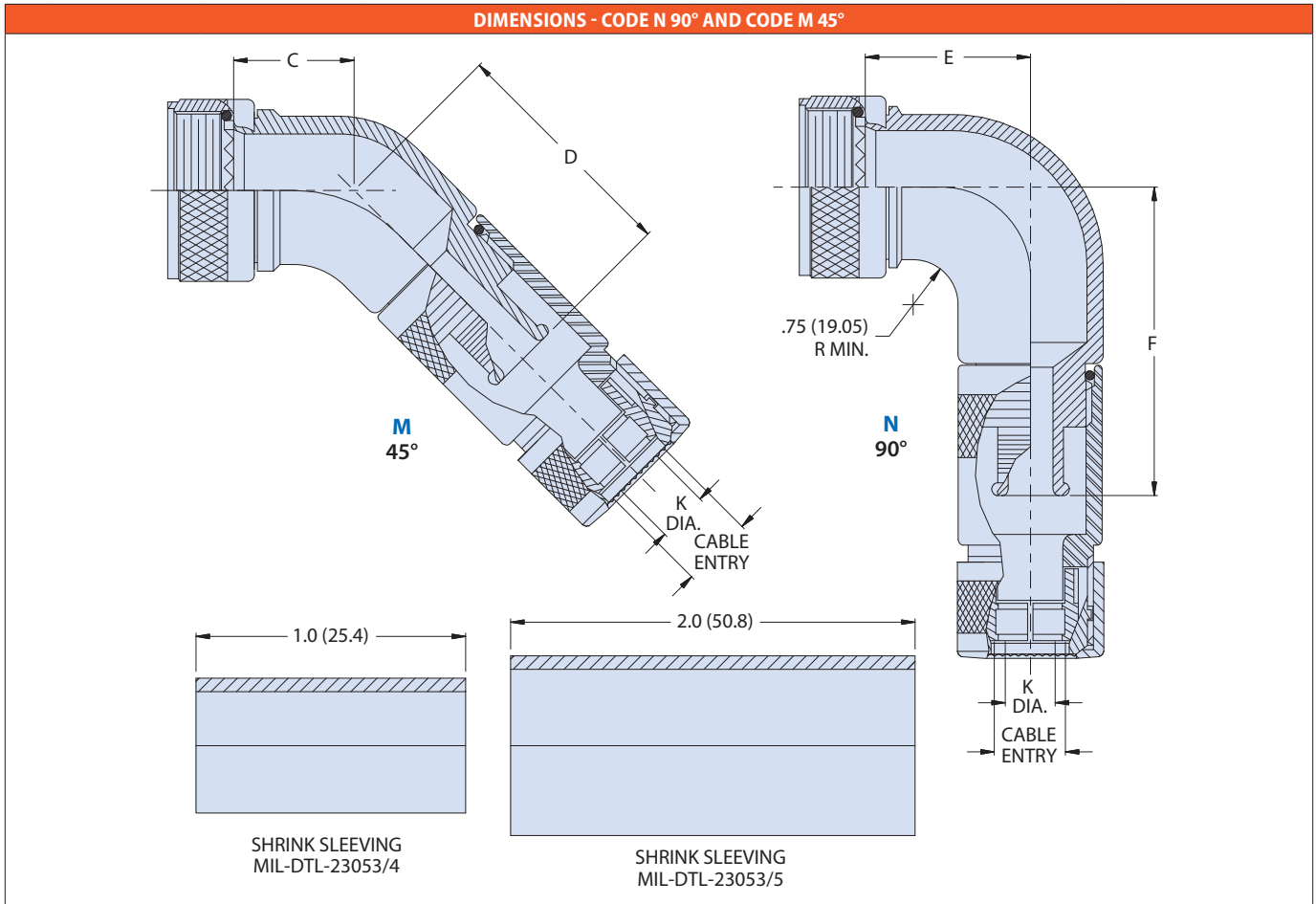


MATERIAL AND FINISH		
Code	Material	Finish Description
M*	Aluminum Alloy	Electroless Nickel
MA		Electroless Nickel, Matte
ME		Electroless Nickel
MT		Nickel-PTFE, Gray
NF		Cadmium, Olive Drab
TZ		Tin-Zinc, Bronze-Gold
ZN		Zinc-Nickel, Olive Drab
ZNU		Zinc-Nickel, Black
ZR		Zinc-Nickel, Black (RoHS)
XM		Composite
XMT	Nickel - PTFE, Grey	
XW	Cadmium, Olive Drab	
XZN	Zinc-Nickel, Black	
MS	Stainless Steel	Electroless Nickel
ZL		Electro-Deposited Nickel
ZI		Passivate
AB	Marine Bronze	No Plating

\*Inactive for new design. Use "ME" finish.

Shell Size	A Thread ISO Metric	ØB Max	Max Dash No.	DASH NUMBERS								
				Dash No.	Clamp Size	Ø K ±005		L Max	MIL-I-23053 Shrink Sleeve	MIL-I-23053 Shrink Sleeve	Cable Entry Dia	
											Min	Max
11	M15 x 1 - 6H	0.890 (22.6)	05	05	12	.312 (7.92)	1.110 (28.2)	/4-203-0	/5-107-0	.233 (5.92)	.375 (9.53)	
13	M18 x 1 - 6H	1.020 (25.9)	05	07	16	.438 (11.1)	1.210 (30.7)	/4-204-0	/5-108-0	.358 (9.10)	.500 (12.7)	
15	M22 x 1 - 6H	1.150 (29.2)	07	09	20	.562 (14.3)	1.210 (30.7)	/4-204-0	/5-109-0	.482 (12.2)	.625 (15.9)	
17	M25 x 1 - 6H	1.230 (31.2)	07	11	24	.688 (17.5)	1.210 (30.7)	/4-205-0	/5-109-0	.545 (13.8)	.750 (19.1)	
19	M28 x 1 - 6H	1.360 (34.5)	09	13	28	.812 (20.6)	1.360 (34.5)	/4-205-0	/5-110-0	.670 (17.0)	.875 (22.2)	
21	M31 x 1 - 6H	1.480 (37.6)	11	15	32	.938 (23.8)	1.510 (38.4)	/4-206-0	/5-110-0	.795 (20.2)	1.000 (25.4)	
23	M34 x 1 - 6H	1.600 (40.6)	11	17	36	1.062 (27.0)	1.510 (38.4)	/4-206-0	/5-111-0	.889 (22.6)	1.125 (28.6)	
25	M37 x 1 - 6H	1.730 (43.9)	13	19	40	1.188 (30.2)	1.510 (38.4)	/4-206-0	/5-111-0	1.014 (25.8)	1.250 (31.8)	

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Shell Size	A Thread ISO Metric	C Max	D Max		E Max		F Max		Max Dash No.	Dash No.	Clamp Size	Ø K ±005	L Max	MIL-I-23053 Shrink Sleeve	MIL-I-23053 Shrink Sleeve	Cable Entry Dia	
							Min	Max									
<b>11</b>	M15 x 1 - 6H	.861 (21.9)	1.111 (28.2)	1.563 (39.7)	1.875 (47.6)	05	<b>05</b>	12	.312 (7.92)	1.110 (28.2)	/4-203-0	/5-107-0	.233 (5.92)	.375 (9.53)			
<b>13</b>	M18 x 1 - 6H	.911 (23.1)	1.161 (29.5)	1.938 (49.2)	2.250 (57.2)	05	<b>07</b>	16	.438 (11.1)	1.210 (30.7)	/4-204-0	/5-108-0	.358 (9.10)	.500 (12.7)			
<b>15</b>	M22 x 1 - 6H	.965 (24.5)	1.215 (30.9)	1.938 (49.2)	2.250 (57.2)	07	<b>09</b>	20	.562 (14.3)	1.210 (30.7)	/4-204-0	/5-109-0	.482 (12.2)	.625 (15.9)			
<b>17</b>	M25 x 1 - 6H	1.014 (25.8)	1.264 (32.1)	2.063 (52.4)	2.375 (60.3)	07	<b>11</b>	24	.688 (17.5)	1.210 (30.7)	/4-205-0	/5-109-0	.545 (13.8)	.750 (19.1)			
<b>19</b>	M28 x 1 - 6H	1.064 (27.0)	1.314 (33.4)	2.063 (52.4)	2.375 (60.3)	09	<b>13</b>	28	.812 (20.6)	1.360 (34.5)	/4-205-0	/5-110-0	.670 (17.0)	.875 (22.2)			
<b>21</b>	M31 x 1 - 6H	1.118 (28.4)	1.368 (34.7)	2.563 (65.1)	2.875 (73.0)	11	<b>15</b>	32	.938 (23.8)	1.510 (38.4)	/4-206-0	/5-110-0	.795 (20.2)	1.000 (25.4)			
<b>23</b>	M34 x 1 - 6H	1.172 (29.8)	1.422 (36.1)	2.313 (58.8)	2.688 (68.3)	11	<b>17</b>	36	1.062 (27.0)	1.510 (38.4)	/4-206-0	/5-111-0	.889 (22.6)	1.125 (28.6)			
<b>25</b>	M37 x 1 - 6H	1.221 (31.0)	1.471 (37.4)	2.250 (57.2)	2.563 (65.1)	13	<b>19</b>	40	1.188 (30.2)	1.510 (38.4)	/4-206-0	/5-111-0	1.014 (25.8)	1.250 (31.8)			