

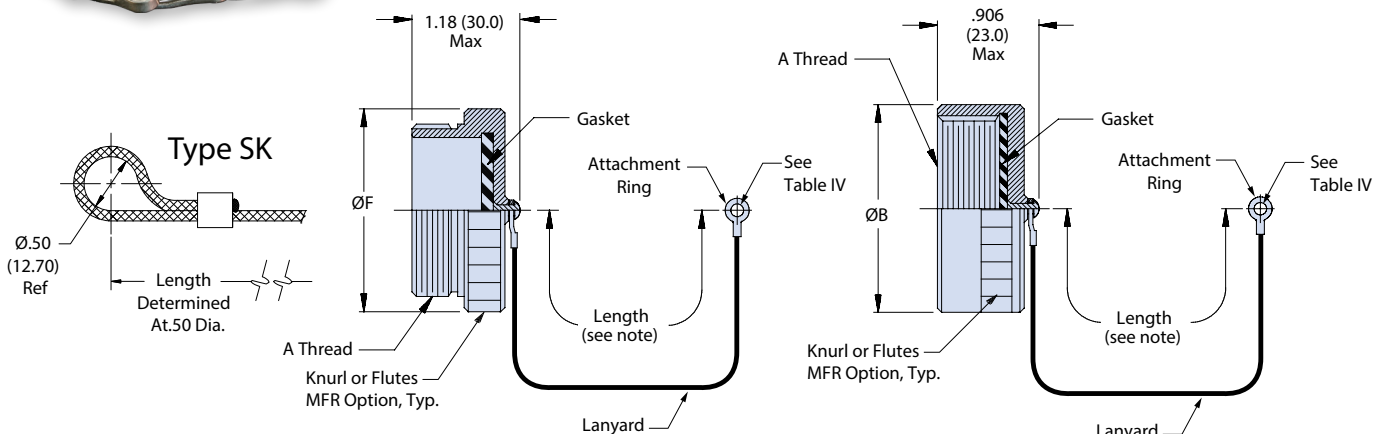
SuperNine® Backshells and accessories

660-049 and -050 Composite protective covers

MIL-DTL-38999



Part Number Development					
Sample Part Number	660-049				XM 21 R 6 -04
Product Series-Basic No.	660-049 = Plug cover 660-050 = Receptacle cover				
Finish	XB = No plating, black XM = Electroless nickel XO = No Plating, non-conductive, brown XMT = Nickel-PTFE 1000 Hour Gray XW = Cadmium O/D over electroless nickel (1000 hour salt spray)				
Connector Shell Size	See Dimensions Table				
Lanyard Type	See Lanyard Code Table				
Attachment Length	In inches; i.e. 1=1 inch				
Ring Style Dash No.	See Tables I, II, III				



-049 Plug Cover
MIL-DTL-38999/32 Type

-050 Receptacle Cover
MIL-DTL-38999/33 Type

Dimensions			
Shell Size	A Thread 0.1P-0.3L-TS	Plug Cover ØB Max	Receptacle Cover ØB Max
09	.6250	0.906 (23.0)	.906 (23.0)
11	.7500	1.024 (26.0)	1.102 (28.0)
13	.8750	1.220 (31.0)	1.220 (31.0)
15	1.0000	1.300 (33.0)	1.260 (32.0)
17	1.1875	1.457 (37.0)	1.457 (37.0)
19	1.2500	1.575 (40.0)	1.535 (39.0)
21	1.3750	1.732 (44.0)	1.654 (42.0)
23	1.5000	1.811 (46.0)	1.772 (45.0)
25	1.6250	1.969 (50.0)	1.929 (49.0)

Lanyard Code	
Code	Description
D	Bead Chain, CRES, Passivated
F	Wire Rope, Nylon Jacket
G	Nylon Rope, Black
H	Wire Rope, Fluoropolymer Jacket
K	Nylon Rope, Olive Drab
N	No Lanyard
R	Wire Rope, PVC Jacket
S	#8 Sash Chain, CRES, Passivated
T	Wire Rope, No Jacket
U	Wire Rope, Polyurethane Jacket with terminal
SK	Nylon Rope (Black) w/Slip Knot

NOTES

1. Max diameter over which mandrel will rotate freely
2. Material/finish
 - Cover: thermoplastic polytherimides; see part number development, finish
 - Gasket: fluorsilicone/N.A.
 - Hardware, rivet: CRES/passivate
 - Rope lanyard: see lanyard code table

SuperNine® Backshells and accessories

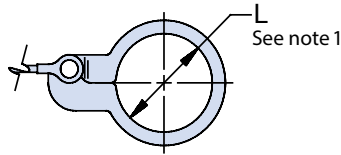
660-049 and -050 Composite protective covers

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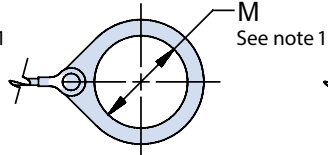


Available Lanyard Types		
Bead Chain (Type D)	Sash Chain (Type S)	Wire or Nylon Rope (Types F, G, H, K, R, T, U)

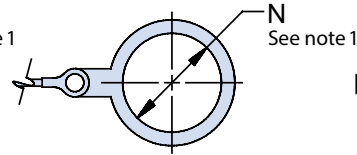
SPLIT RING



SOLID RING



SOLID RING



ATTACHMENT RING

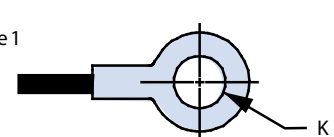


Table I	
Dash No	L Dia ±.015 (0.4)
50	.425 (10.8)
52	.485 (12.3)
54	.640 (16.3)
56	.750 (19.1)
58	.890 (22.6)
60	1.015 (25.8)
62	1.095 (27.8)
64	1.130 (28.7)
66	1.250 (31.8)
68	1.350 (34.3)
70	1.375 (34.92)
72	1.485 (37.7)
74	1.625 (41.3)
76	1.750 (44.5)
78	1.875 (47.6)
80	1.980 (50.3)
82	2.060 (52.3)
84	2.235 (56.8)
86	2.310 (58.7)
88	2.475 (62.9)
90	2.655 (67.4)
92	2.810 (71.4)
94	3.045 (77.3)

Table II	
Dash No	M Dia ±.015 (0.4)
08	.468 (11.9)
10	.593 (15.1)
12	.718 (18.2)
13	.765 (19.4)
14	.844 (21.4)
15	.890 (22.6)
16	.968 (24.6)
17	1.015 (25.8)
18	1.093 (27.8)
19	1.140 (29.0)
20	1.187 (30.15)
21	1.265 (32.1)
22	1.343 (34.1)
23	1.453 (36.9)
24	1.484 (37.7)
25	1.577 (40.1)
27	1.640 (41.7)
28	1.687 (42.8)
29	1.765 (44.8)
30	1.890 (48.0)
31	1.953 (49.6)
32	1.968 (50.0)
33	2.077 (52.8)
35	2.140 (54.4)
36	2.187 (55.5)
40	2.406 (61.1)
44	2.656 (67.5)
48	3.031 (77.0)

Table III	
Dash No	N Dia ±.015 (0.4)
100	.391 (9.9)
101	.516 (13.1)
102	.583 (14.8)
103	.641 (16.3)
104	.708 (18.0)
105	.766 (19.5)
205	.788 (20.0)
106	.896 (22.2)
206	.907 (23.0)
107	1.016 (25.8)
207	1.025 (26.0)
108	1.141 (29.0)
308	1.188 (30.18)
208	1.203 (30.6)
109	1.266 (32.2)
209	1.312 (33.32)
110	1.391 (35.3)
210	1.438 (36.53)
111	1.521 (38.63)
211	1.536 (39.01)
112	1.641 (41.68)
113	1.766 (44.86)
213	1.812 (46.02)
114	1.891 (48.03)
214	1.938 (49.23)
115	2.078 (52.78)
116	2.406 (61.11)
117	2.510 (63.75)

Table IV	
Dash No	K Dia ±.010 (0.25)
01	.140 (3.56)
02	.182 (4.62)
03	.191 (4.85)
04	.197 (5.00)
05	.167 (4.24)
06	.125 (3.18)
07	.218 (5.54)
09	.156 (3.96)