

Series 806 Mil-Aero Connectors

Protective Covers 667-440, 667-441 and 667-443

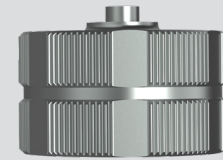
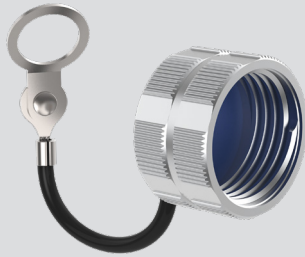


Figure 1
667-440 Receptacle Cover

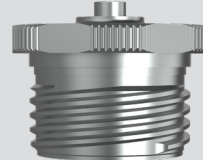


Figure 2
667-441 Plug Cover

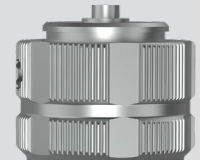


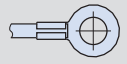
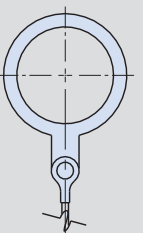
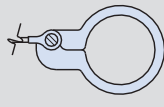
Figure 3
667-443 Self-Locking
Receptacle Cover

Protect unmated Series 806 connectors with thread-on covers. IP68 ingress protection. Aluminum, stainless steel or composite material. Self-locking receptacle cover features anti-decoupling mechanism for resistance to loosening under vibration.

Construction

- Cover: aluminum alloy, high grade engineering thermoplastic or stainless steel. See ordering info for finish options
- O-ring, gasket: fluorosilicone
- Hardware: stainless steel, passivated
- Lanyard: see Table 1

Table 2 Ring Codes

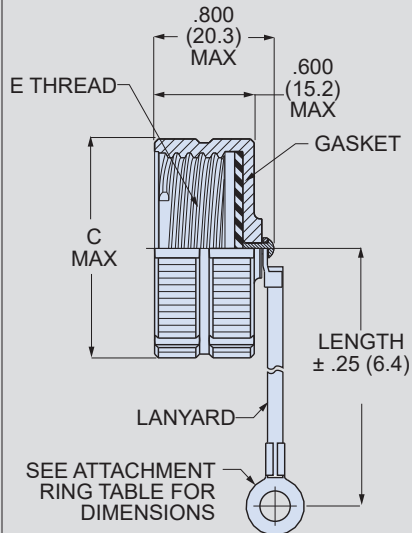
Ring Type	Ring Code	Inside Diameter	
		In.	mm.
No Ring	00	—	—
	04	.126	3.20
	06	.145	3.68
	08	.188	4.78
	10	.197	5.00
	12	.423	10.74
	14	.481	12.22
	16	.560	14.22
	18	.600	15.24
	20	.635	16.13
	22	.695	17.65
	24	.715	18.16
	26	.766	19.46
	28	.845	21.46
	30	.885	22.48
	32	.950	24.13
	34	1.015	25.78
	36	1.070	27.18
	38	1.135	28.83
	40	1.210	30.73
	42	1.275	32.39
	44	1.380	35.05
	46	1.470	37.34
	48	1.625	41.28
	50	.432	10.97
	52	.492	12.50
	54	.648	16.46
	56	.757	19.23
	58	.898	22.81
	60	1.023	25.98
	64	1.137	28.88
	68	1.357	34.47

How To Order

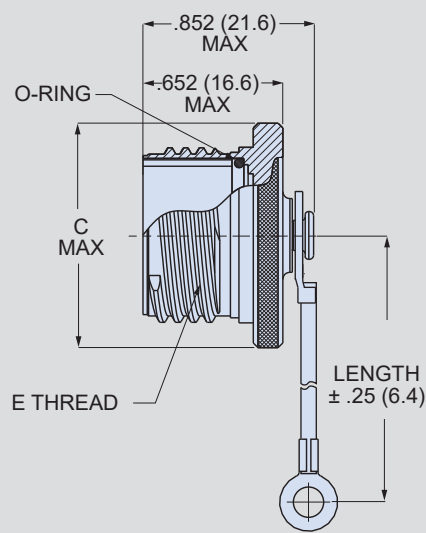
SAMPLE PART NUMBER			667-441	ME	12	U	01	-6	
Product	667-440 = Receptacle cover (fig. 1) 667-441 = Plug cover (fig. 2) 667-443 = Receptacle cover, self-locking (fig. 3)								
Material/ Finish	Material	Finish							Code
	Aluminum	Electroless Nickel							ME
		Nickel-PTFE							MT
		Olive Drab Cadmium							NF
		Black Zinc-Nickel							ZR
	Stainless Steel	Passivate							Z1
	Composite	Electroless Nickel							XMD
		Olive Drab Cadmium							XW
		Black Unplated							XB
Violet Unplated (Fiber)		XV							
Shell Size	7 8 9 10 11 12 14 16 18 20 22 24								
Attachment Lanyard (Table 1)	N = No attachment G = Nylon rope SK = Nylon rope with slip knot U = SST rope with polyurethane coating H = SST rope with high temperature translucent FEP jacket S = Sash chain, #8, SST								
Attachment Ring Code (Table 2)	Omit for attachment types N and SK See Table 2 for ring styles and sizes								
Attachment Length	Omit for attachment type N Lanyard length in inches								

Table 1 Attachment Lanyards

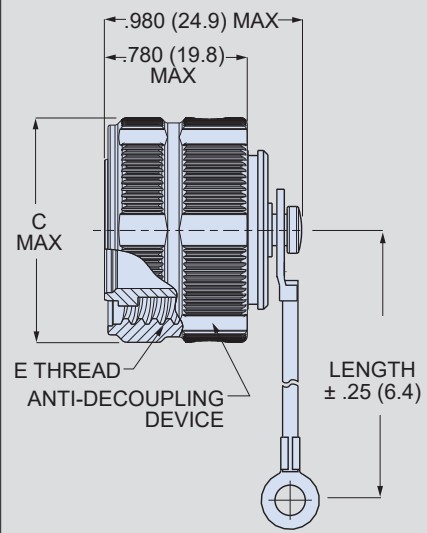
 Nylon Rope (G) -55° to +100°C, black, very flexible, very good abrasion resistance, good resistance to fuels, .120" (3mm) diameter	 Sash Chain (S) Stainless steel, #8 chain, .240" (6mm)
 Polyurethane Coated Wire Rope (U) Black polyurethane over stainless steel rope, -55° to +125°C, very flexible, excellent abrasion resistance, excellent resistance to fuels, .080" (2mm) diameter	 Slip Knot (SK) 55° to +100°C, black, very flexible, very good abrasion resistance, good resistance to fuels, .120" (3mm) diameter. Length includes .5" (13mm) diameter loop.
 Teflon® Jacketed Wire Rope (H) Translucent FEP jacket over stainless steel, -55° to +200°C, fair flexibility, good abrasion resistance, .100" diameter	

667-440 Receptacle Cover

Shell Size	ØC Max		E Thread
	In.	mm.	
7	.600	15.2	.4375-.067P-.2L-TS-2B
8	.640	16.3	.5000-.067P-.2L-TS-2B
9	.703	17.8	.5625-.067P-.2L-TS-2B
10	.765	19.4	.6250-.067P-.2L-TS-2B
11	.828	21.0	.6875-.067P-.2L-TS-2B
12	.890	22.6	.7500-.067P-.2L-TS-2B
14	1.015	25.8	.8750-.067P-.2L-TS-2B
16	1.140	30.0	1.0000-.067P-.2L-TS-2B
18	1.265	32.1	1.1250-.067P-.2L-TS-2B
20	1.390	35.3	1.2500-.067P-.2L-TS-2B
22	1.515	38.5	1.3750-.067P-.2L-TS-2B
24	1.710	43.4	1.5000-.067P-.2L-TS-2B

667-441 Plug Cover

Shell Size	ØC Max		E Thread
	In.	mm.	
7	.606	15.4	.4375-.067P-.2L-TS-2A
78	.676	17.2	.5000-.067P-.2L-TS-2A
9	.771	19.6	.5625-.067P-.2L-TS-2A
10	.832	21.1	.6250-.067P-.2L-TS-2A
11	.890	22.6	.6875-.067P-.2L-TS-2A
12	.950	24.1	.7500-.067P-.2L-TS-2A
14	1.110	28.2	.8750-.067P-.2L-TS-2A
16	1.170	29.7	1.0000-.067P-.2L-TS-2A
18	1.350	34.3	1.1250-.067P-.2L-TS-2A
20	1.470	37.3	1.2500-.067P-.2L-TS-2A
22	1.600	40.6	1.3750-.067P-.2L-TS-2A
24	1.710	43.4	1.5000-.067P-.2L-TS-2A

667-443 Receptacle Cover With Anti-Decoupling Device

Shell Size	ØC Max		E Thread
	In.	mm.	
7	.606	15.4	.4375-.067P-.2L-TS-2B
8	.676	17.2	.5000-.067P-.2L-TS-2B
9	.771	19.6	.5625-.067P-.2L-TS-2B
10	.832	21.1	.6250-.067P-.2L-TS-2B
11	.890	22.6	.6875-.067P-.2L-TS-2B
12	.950	24.1	.7500-.067P-.2L-TS-2B
14	1.110	28.2	.8750-.067P-.2L-TS-2B
16	1.170	29.7	1.0000-.067P-.2L-TS-2B
18	1.350	34.3	1.1250-.067P-.2L-TS-2B
20	1.470	37.3	1.2500-.067P-.2L-TS-2B
22	1.600	40.6	1.3750-.067P-.2L-TS-2B
24	1.710	43.4	1.5000-.067P-.2L-TS-2B

Solid Attachment Ring Dimensions

Ring Code	Inside Diameter		Max. Outside Diameter	
	In.	mm.	In.	mm.
00	—	—	—	—
04	.126	3.20	.310	7.87
06	.145	3.68	.310	7.87
08	.188	4.78	.310	7.87
10	.197	5.00	.310	7.87
11	.326	8.28	.445	11.3
12	.423	10.74	.535	13.59
14	.481	12.22	.593	15.06
16	.560	14.22	.672	17.07
18	.600	15.24	.712	18.08
20	.635	16.13	.770	19.56

Ring Code	Inside Diameter		Max. Outside Diameter	
	In.	mm.	In.	mm.
22	.695	17.65	.830	21.08
24	.715	18.16	.830	21.08
26	.766	19.46	.895	22.73
28	.845	21.46	1.026	26.06
30	.885	22.48	1.026	26.06
32	.950	24.13	1.172	29.77
34	1.015	25.78	1.205	30.61
36	1.070	27.18	1.205	30.61
38	1.135	28.83	1.260	32.00
40	1.210	30.73	1.322	33.58
42	1.275	32.39	1.385	35.18

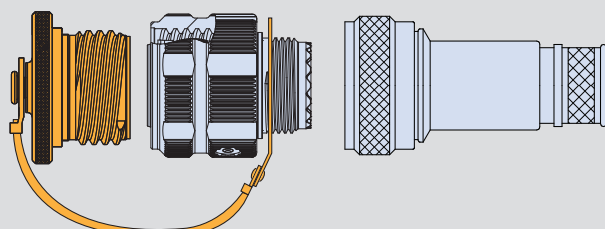
Ring Code	Inside Diameter		Max. Outside Diameter	
	In.	mm.	In.	mm.
44	1.380	35.05	1.485	37.72
46	1.470	37.34	1.672	42.47
48	1.625	41.28	1.797	45.64
50	.432	10.97	.570	14.48
52	.492	12.50	.630	16.00
54	.648	16.46	.790	20.07
56	.757	19.23	.890	22.61
58	.898	22.81	1.040	26.42
60	1.023	25.98	1.160	29.46
64	1.137	28.88	1.270	32.26
68	1.357	34.47	1.480	37.59

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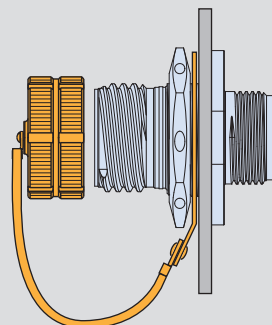
Attachment Ring Application Guide

Attaching a Cover to a Cable-Mounted Connector with Solid Ring



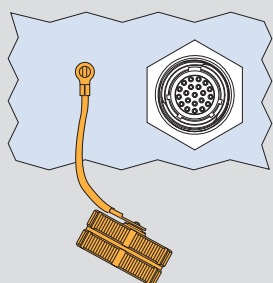
Shell Size	Accessory Thread Size	Max. Thd. Dia.		Recommended Ring Code
		In.	mm.	
7	M8x1.0-6g-0.100R	.315	8	11
8	M10x1.0-6g-0.100R	.393	10	12
9	M12x1.0-6g-0.100R	.471	12	14
10	M14x1.0-6g-0.100R	.550	14	16
11	M15x1.0-6g-0.100R	.589	15	18
12	M17x1.0-6g-0.100R	.668	17	22
14	M19x1.0-6g-0.100R	.747	19	26
16	M22x1.0-6g-0.100R	.865	22	30
18	M25x1.0-6g-0.100R	.983	25	34
20	M28x1.0-6g-0.100R	1.101	28	38
22	M31x1.0-6g-0.100R	1.219	31	42
24	M34x1.0-6g-0.100R	1.338	34	44

Attaching a Receptacle Cover to a Jam-nut Receptacle with Solid Ring



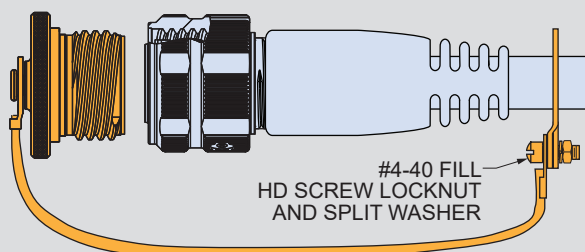
Shell Size	Jam-nut Thread	Max. Thd. Dia.		Recommended Ring Code
		In.	mm.	
7	M13x1.0-6g-0.100R	.512	13	16
8	M15x1.0-6g-0.100R	.589	15	18
9	M16x1.0-6g-0.100R	.629	16	20
10	M18x1.0-6g-0.100R	.707	18	24
11	M19x1.0-6g-0.100R	.747	19	26
12	M21x1.0-6g-0.100R	.827	21	28
14	M24x1.0-6g-0.100R	.944	24	32
16	M27x1.0-6g-0.100R	1.062	27	36
18	M30x1.0-6g-0.100R	1.180	30	40
20	M34x1.0-6g-0.100R	1.338	34	44
22	M37x1.0-6g-0.100R	1.456	37	46
24	M41x1.0-6g-0.100R	1.613	41	48

Attaching a Cover to a Panel with Ring Terminal



Screw Size	Ring Code	Ring I.D.	
		In.	mm.
		±.005	±0.13
#4, M3	04	.126	3.20
#6	06	.145	3.68
#8, M4	08	.188	4.78
#10	10	.197	5.00

Attaching a Cover with Split Ring to a Cordset



Split Ring Code	Ring I.D.		Split Ring Code	Ring I.D.	
	In.	mm.		In.	mm.
50	.432	10.97	58	.898	22.81
52	.492	12.50	60	1.023	25.98
54	.648	16.46	64	1.137	28.88
56	.757	19.23	68	1.357	34.47