

SPACECRAFT COMPONENTS CORP.

Your Connector Consultant Since 1962

MIL-DTL-38999 Series II

# DUST CAPS

## & DUMMY RECEPTACLES

MS27510

MS27511

M38999/10

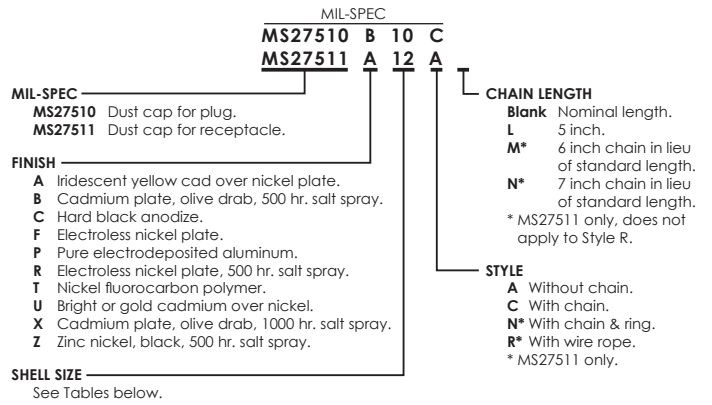
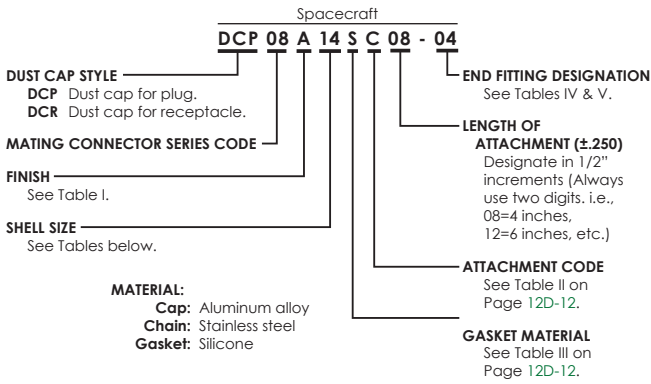


- ▶ Military Approved
- ▶ Special Platings Available
- ▶ Extensive Inventory



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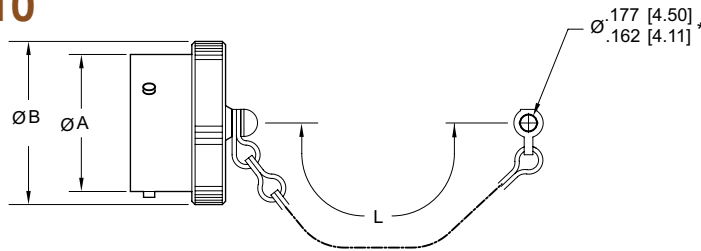
# DUST CAPS & DUMMY RECEPTACLES - MIL-DTL-38999 Series II



## Dust Cap for Plug

### MS27510

#### DCP08



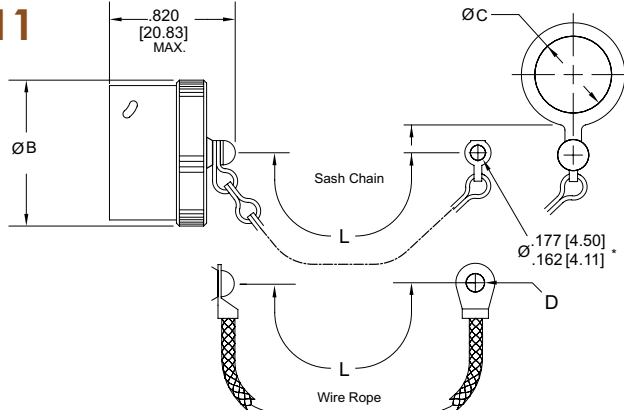
SHELL SIZE	A MAX.	B MAX.	L +.500 [12.70] -.250 [6.35]
8	.474 [12.04]	.719 [18.26]	3.00 [76.20]
10	.591 [15.01]	.844 [21.44]	3.00 [76.20]
12	.751 [19.08]	1.000 [25.40]	3.50 [88.90]
14	.876 [22.25]	1.125 [28.57]	3.50 [88.90]
16	1.001 [25.43]	1.250 [31.75]	3.50 [88.90]
18	1.126 [28.60]	1.375 [34.92]	3.50 [88.90]
20	1.251 [31.78]	1.500 [38.10]	4.00 [101.60]
22	1.376 [34.95]	1.625 [41.27]	4.00 [101.60]
24	1.501 [38.13]	1.750 [44.45]	4.00 [101.60]

1. Dimensions in brackets [ ] are in millimeters.  
 \*.177/.162 dimension only applicable for MS27510.  
 For DCR08 caps use end fitting code.

## Dust Cap for Receptacle

### MS27511

#### DCR08



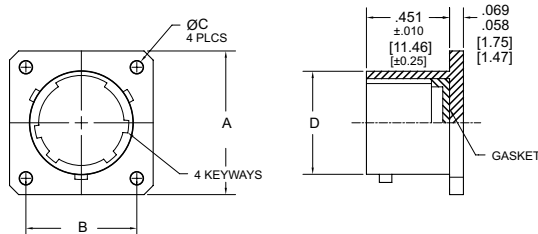
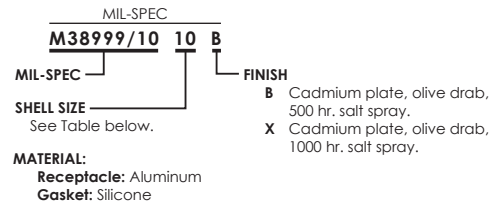
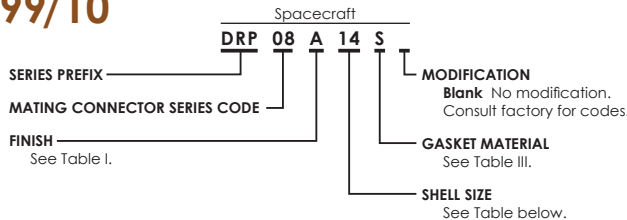
SHELL SIZE	B MAX.	C* MIN.	D MIN.	L +.500 [12.70] -.250 [6.35]
8	.734 [18.64]	.89 [22.61]	.123 [3.12]	3.00 [76.20]
10	.859 [21.82]	1.01 [25.65]	.123 [3.12]	3.00 [76.20]
12	1.000 [25.40]	1.14 [28.96]	.123 [3.12]	3.50 [88.90]
14	1.125 [28.57]	1.26 [32.00]	.123 [3.12]	3.50 [88.90]
16	1.250 [31.75]	1.39 [35.31]	.123 [3.12]	3.50 [88.90]
18	1.375 [34.92]	1.51 [38.35]	.123 [3.12]	3.50 [88.90]
20	1.500 [38.10]	1.64 [41.66]	.123 [3.12]	4.00 [101.60]
22	1.625 [41.27]	1.76 [44.70]	.123 [3.12]	4.00 [101.60]
24	1.750 [44.45]	1.89 [48.01]	.139 [3.53]	4.00 [101.60]

1. Dimensions in brackets [ ] are in millimeters.  
 \*.177/.162 and "C" dimensions only applicable for MS27511.  
 For DCP08 caps use end fitting code.

## Dummy Receptacle

### M38999/10

#### DRP08



SHELL SIZE	A MAX	B BSC	ØC +.010 -.005 [+0.30] [-0.13]	D +.001 -.005 [+0.03] [-0.13]
8	.828 [21.03]	.594 [15.09]	.120 [3.05]	.473 [12.01]
10	.954 [24.23]	.719 [18.26]	.120 [3.05]	.590 [14.99]
12	1.047 [26.59]	.812 [20.62]	.120 [3.05]	.750 [19.05]
14	1.141 [28.98]	.906 [23.01]	.120 [3.05]	.875 [22.22]
16	1.234 [31.34]	.969 [24.61]	.120 [3.05]	1.000 [25.40]
18	1.328 [33.73]	1.062 [26.97]	.120 [3.05]	1.125 [28.57]
20	1.453 [36.91]	1.156 [29.36]	.120 [3.05]	1.250 [31.75]
22	1.578 [40.08]	1.250 [31.75]	.120 [3.05]	1.375 [34.92]
24	1.703 [43.26]	1.375 [34.92]	.147 [3.73]	1.500 [38.10]

1. Dimensions in brackets [ ] are in millimeters.



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# MIL-DTL-38999 Series II - DUST CAPS & DUMMY RECEPTACLES

SPACECRAFT CODES FOR:   
 DUST CAP FOR PLUG: **DCP08**  
 DUST CAP FOR RECEPTACLE: **DCR08**  
 DUMMY RECEPTACLE: **DRP08**

**TABLE I. FINISH CODES**  
 CONSULT FACTORY FOR OTHER AVAILABLE FINISHES

Spacecraft Code	Finish	Specification(s)
H	● Anodize, Black	AMS-A-8625, Type II, Class 2
B	● Cadmium Plate, Black	AMS-QQ-P-416, Type II, Class 3
X	● Cadmium Plate, Bright Over Electroless Nickel	AMS-QQ-P-416, Type I, Class 3 ASTMB 733-90, SC2, Type I, Class 5 over AMS-C-26074, Class 4, Grade B
E	● Cadmium Plate, Gold Iridite, Over Electroless Nickel	MIL-C-5541, Class 3 AMS-QQ-P-416, Type II, Class 3 over AMS-C-26074, Class 4, Grade B
C	● Cadmium Plate, Olive Drab	AMS-QQ-P-416, Type II, Class 3, 48 Hours
A	● Cadmium Plate, Olive Drab Over Electroless Nickel	1000 Hour Corrosion Resistance
N	● Electroless Nickel	AMS-C-26074, Class 4, Grade B
L	● Zinc Cobalt, Dark Olive Drab	96 Hour Corrosion Resistance
P	● Passivated, Stainless Steel	AMS-QQ-P-35
T	● Nickel, Fluorocarbon Polymer	500 Hour Corrosion Resistance
W	● Zinc Nickel, Black	ASTM B841 Type D

**TABLE II. ATTACHMENT CODES**

Attachment Code	Description
A	No Attachment Required
B	Bead Chain, Brass, Nickel Plated
C	Sash Chain, SST, Passivated
D	Bead Chain, SST, Passivated
E	Bead Chain, Brass, Cadmium, Olive Drab Plated
F	Bead Chain, Brass, Unfinished
I	Bead Chain, Brass, Black Oxide Finish
N	Wire Rope, No Jacket
P	Wire Rope, Polyurethane Jacket with Terminal
R	Wire Rope, SST, PVC Covered, Green Color
T	Wire Rope, SST, Teflon Covered, Natural Cover
U	Wire Rope, SST, Nylon Covered, Brown Color
V	Wire Rope, SST, Viton Covered, Black Color
W	Nylon Cord, Green Color, SST Terminal

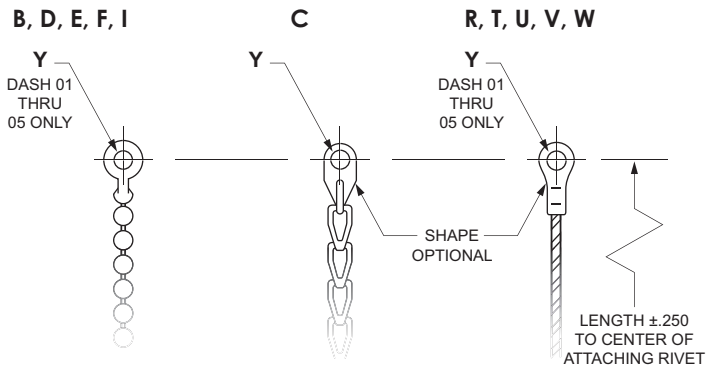
**TABLE III. GASKET MATERIAL CODES**

Material Code	Material Description
A	Fluorosilicone, Blue
N	Neoprene, Black, MIL-R-3065
O	None Required
S	Silicone, Red, ZZ-R-765
C	Conductive Silicone

**TABLE IV. EYELET END FITTING STYLES AND SIZES**  
 (NOT USED WITH ATTACHMENT CODE A)

Dash No. Code	Y Ref. Dia.
00	No Eyelet
01	.125
02	.141
03	.167
04	.188
05	.219
06	.250
07	.156
08	.121

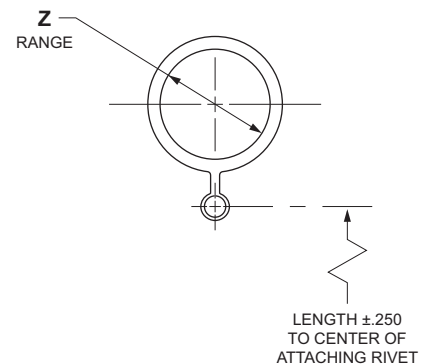
USED WITH ATTACHMENT CODES:



**TABLE V. RING END FITTING SIZES**  
 (NOT USED WITH ATTACHMENT CODE A)

DASH NO. CODE	Z RANGE	DASH NO. CODE	Z RANGE	DASH NO. CODE	Z RANGE
33	.401 - .391	15	1.072 - 1.052	24	2.088 - 2.078
34	.454 - 444	16	1.198 - 1.178	25	2.151 - 2.141
35	.464 - .454	17	1.322 - 1.302	26	2.276 - 2.266
36	.526 - .516	18	1.448 - 1.428	27	2.338 - 2.328
11	.604 - .584	19	1.572 - 1.552	28	2.401 - 2.391
37	.651 - .641	20	1.698 - 1.678	29	2.526 - 2.516
12	.729 - .709	21	1.822 - 1.802	30	2.651 - 2.641
13	.885 - .865	22	1.948 - 1.928	31	2.901 - 2.891
14	.948 - .918	23	2.026 - 2.016	32	3.026 - 3.016

USED WITH ATTACHMENT CODES:  
 B THRU W



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All Plastic Connectors  
CATALOG 701

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SF-145

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