

38999 Series III Aluminum Caps



SOURIAU Caps Now QPL Approved

Metallic aluminum caps to protect plugs and receptacles from dust, moisture, contact bending, ...



High reliability ■ Developed conforming to D38999 standards.

A wide range ■ Caps for receptacles and plugs.
QPL plating: zinc nickel, nickel and cadmium.
Souriau also offers black anodized finish.
Teflon coated stainless steel rope.
Available with ring or eyelet.



Cost & time saving ■ One supplier for connectors and accessories.
Stock available on high runners.

A global RoHS solution ■ Complete RoHS interconnection solution: caps, connectors and backshells with black zinc nickel finish.

Ordering information

Souriau part number

Basic Series	8D	AC	5	R	09	W
AC: Aluminum caps						
Caps style:						
5: Plug caps						
0: Receptacle caps						
Accessories						
N: With stainless steel rope and ring						
R: With stainless steel rope and eyelet						
Shell size: 09, 11, 13, 15, 17, 19, 21, 23, 25						
Finish						
W: Olive drab cadmium						
F: Nickel						
Z: Black zinc nickel						
A: Black anodized						

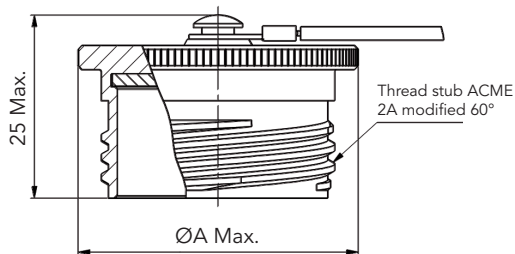
MIL-DTL-38999 part number

Basic Series	D38999 /	32	W	09	R
Caps style					
32: Plug caps					
33: Receptacle caps					
Finish					
W: Olive drab cadmium					
F: Nickel					
Z: Black zinc nickel					
Shell size: 09, 11, 13, 15, 17, 19, 21, 23, 25					
Accessories					
N: With stainless steel rope and ring					
R: With stainless steel rope and eyelet					

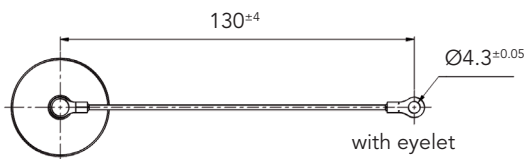
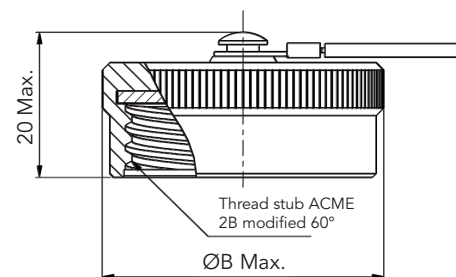
Dimensions

Aluminum caps with stainless steel rope

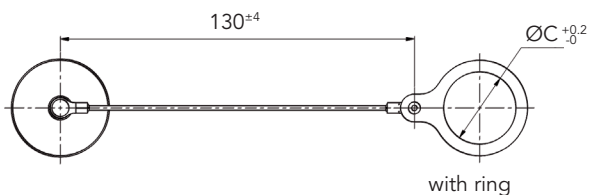
For plug



For receptacle



with eyelet



with ring

Size	ØA	ØB	ØC for plug	ØC for receptacle	Thread
09	22.6	22.8	15	18.4	0.6250-0.1P-0.3L-TS
11	25.8	26.5	18.4	23.2	0.7500-0.1P-0.3L-TS
13	30	30	23.2	26.5	0.8750-0.1P-0.3L-TS
15	33	31.8	23.2	30.3	1.0000-0.1P-0.3L-TS
17	36.5	36.8	26.5	32.6	1.1875-0.1P-0.3L-TS
19	39.2	38.8	30.3	36.5	1.2500-0.1P-0.3L-TS
21	42.5	41.8	32.6	39.3	1.3750-0.1P-0.3L-TS
23	45.8	44.8	36.5	42.9	1.5000-0.1P-0.3L-TS
25	48.9	48.8	39.3	45	1.6250-0.1P-0.3L-TS

Note: All dimensions are in millimeters (mm)

Comparison of plating codes available

Requirement		Electroless Nickel	Cadmium	Black Anodize	Black Zinc Nickel
Finish code class per MIL spec.		F	W	A	Z
RoHs Compliant		✓	No	✓	✓
Galvanic compatibility with cadmium		Poor	Very good	Good	Good
Easy to produce in mass production & with multi sourcing		✓	✓	✓	✓
Finish according to standard		ASTM B733	ASTM B766	Class-2 AMS-A-8625	ASTM B841
Durability (500 mating cycles)		✓	✓	✓	✓
Dynamic salt spray resistance		48 hours	500 hours	500 hours	500 hours
Temperature rating	175°C	✓	✓	✓	✓
	200°C	✓	No	No	✓
Not Reflective		No	✓	✓	✓
Non-Magnetic		✓	✓	✓	✓
Cr6+ < 0.01 % (RoHS limit = 0.1 % by weight max)		✓	No	✓	✓
Easy to check homogeneity / thickness of layer		✓	✓	✓	✓
Environment friendly		Poor	Poor	✓	Good
Human health and safety		✓	Poor	✓	✓
Compatibility with new de-icing fluid (with potassium acetate)		✓	✓	✓	✓

Consult us for more information.

For further information contact us at technical.emear@souriau.com (Europe - Asia - Africa)
technical.americas@souriau.com (North America)
 or visit our web site www.souriau.com