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Amphenol

Introduction

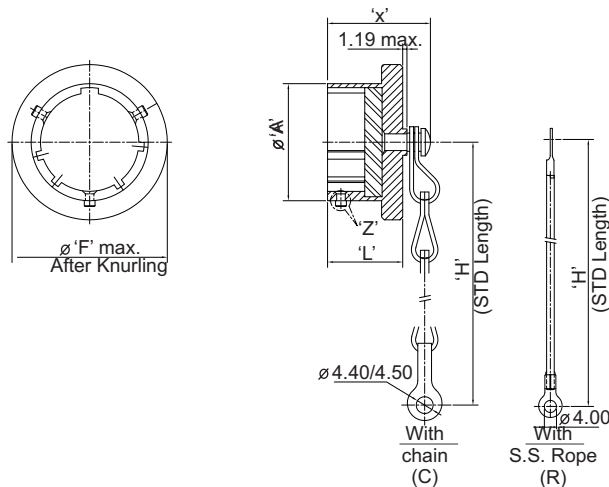
Amphenol India is a leading Designer, Manufacturer and Marketer of Interconnection solutions since 1971. Amphenol is the first Company in India who started manufacturing high performance connectors. These expertise and capabilities enables us to turn your interconnection problems to solutions.

Amphenol Protective caps are developed for environmental protection needs of Circular connectors in Threaded & Bayonet versions. These are designed to meet the requirements of military standards.

We also offer dummy storage receptacle to secure your cable harness when not in functional use.

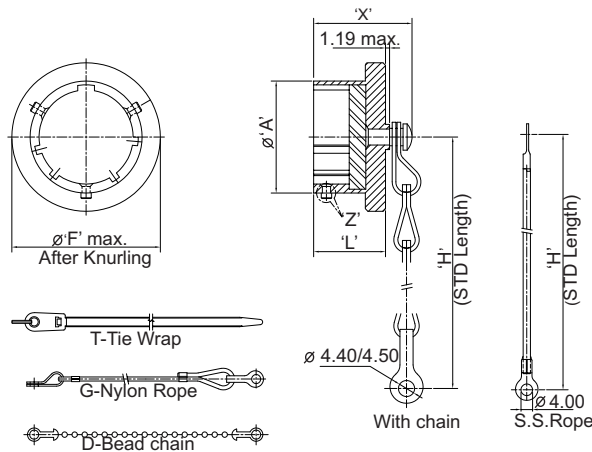
This catalogue describes the standard and special purpose designs used in Military and Industrial Circular connectors.

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Ordering Information (MIL Part Number)

JANMS3180	10	C	W	L
Designates Plug Dust Cover				
Shell Size: 08, 10, 12, 14, 16, 18, 20, 22 & 24				
Style: C - With Chain R - With SS Rope				
Class: A - Hard Anodize black finish W - Cadmium plate finish				
Length: L - 127.0 + 12.7/-6.35 chain/rope in lieu of std. length				
Note: For non. std. long "L" Contact factory				



Ordering Information (Proprietary Part Number)

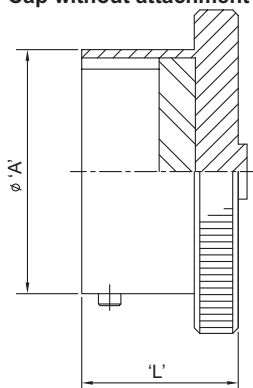
IMB3180	08	A	F	N	H
Designates Plug Dust Cover					
Shell Size: 08, 10, 12, 14, 16, 18, 20, 22 & 24					
Class: Aluminium A - Hard anodic B - Zinc nickel finish F - 48 hrs. electroless nickel W - 500 hrs. cadmium olive drab EB - Cad. free zinc cobalt -olive drab finish FB - Cad. free zinc cobalt - black finish T- PT FE nickel finish SD- Zinc Ni Black finish					
Type of attachment D - bead chain passivated F - Wire rope with teflon jacket G - Nylon cord S - Sash chain passivated X - None					
Type of end link: N - Solid ring T - Tie wrap X - None					
Length of attachment: H - Standard length For non- standard 'H', length has to be specified in mm.					

All Dimensions are in mm

Shell Size	ϕA Ref.	ϕF Max. Overall.	H +12.70/-6.35	L Max. Length	X Max. Overall	ϕF +0.00/-0.08 For Heavy Duty
08	12.01	18.26	76.20			22.10
10	14.99	21.44				24.86
12	19.05	25.40				29.24
14	22.22	28.58	88.90	14.27	19.84	32.41
16	25.40	31.75				35.58
18	28.58	34.92				38.22
20	31.75	38.10	101.60	15.88	21.44	41.94
22	34.92	41.28				45.11
24	38.10	44.45		16.71	22.22	48.18

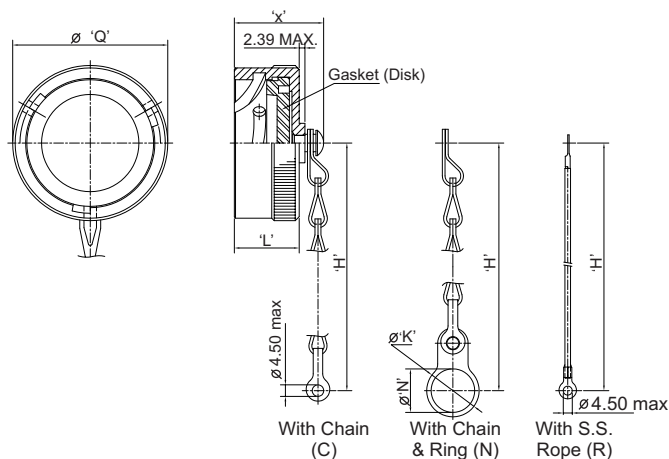
All Dimensions for reference only

Cap without attachment



Ordering information IMB3180 -08 - A - V1

Plug Dust Cover	
Shell Size : 08,10,12,14,16,18,20,22 & 24	
Class: A - Hard Anodic W - Aluminium, 500 hrs. Cadmium Olive Drab F - Aluminium, 48 hrs. electroless nickel T- Nickel PTFE finish	
Variant	



Ordering Information (MIL Part Number)

JANMS3181 10 C W L

Designates Receptacle Dust Cover

Shell Size: 08, 10, 12, 14, 16, 18, 20, 22 & 24

Style:

C - With Chain
N - With Chain & Ring.
R - With SS Rope

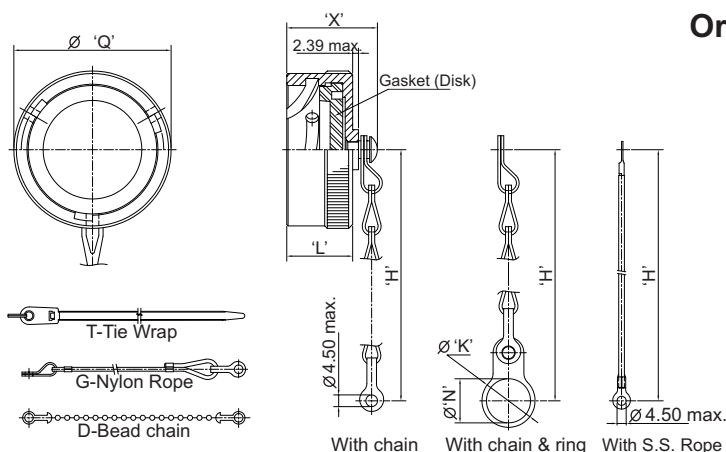
Class:

A - Hard Anodize black finish
W - Cadmium plate finish

Length:

L - 127.0 + 12.7/-6.35 chain/rope in lieu of std. length
Leave blank for std.length

Note: For non. std. long "L" Contact factory



Ordering Information (Proprietary Part Number)

IMB3181 08 A F N H

Designates Receptacle Duct Cover

Shell Size: 08, 10, 12, 14, 16, 18, 20, 22 & 24

Class: Aluminium

A - Hard anodic
B - Zinc nickel finish
F - 48 hrs. electroless nickel
W - 500 hrs. cadmium olive drab
EB - Cad. free zinc cobalt -olive drab finish
FB - Cad. free zinc cobalt - black finish
T - PT FE nickel finish
SD- Zinc Ni Black finish

Type of attachment

D -Bead chain passivated
F - Wire rope with teflon jacket
G - Nylon cord
S - Sash chain passivated
X - None

Type of end link:

N - Solid ring
T -Tie wrap
X - None

Length of attachment:

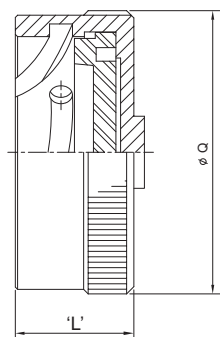
H - Standard length
For non- standard 'H', length has to be specified in mm.

All Dimensions are in mm

Shell Size	H +12.70/ -6.35	ØK MAX.	L Max.	ØN MIN	ØQ MIN	X Max.
08		20.62		14.68	18.64	
10	76.20	25.40		17.86	21.82	
12		30.18	14.27	22.63	25.40	21.44
14		36.67		25.81	28.58	
16	88.90	39.67		28.98	31.75	
18		42.88		32.16	34.92	
20		46.02		35.33	38.10	
22	101.60	49.23		38.51	41.28	
24		52.37	15.29	41.68	44.45	22.22

All Dimensions for reference only

Cap without attachment



Ordering information IMB3181 -08 - A - V1

Designates: Receptacle Dust Cover

Shell Size : 08,10,12,14,16,18,20,22 & 24

Class:

A - Hard Anodic
W - Aluminium, 500 hrs. Cadmium Olive Drab
F - Aluminium, 48 hrs. electroless nickel
T- Nickel PTFE finish

Variant

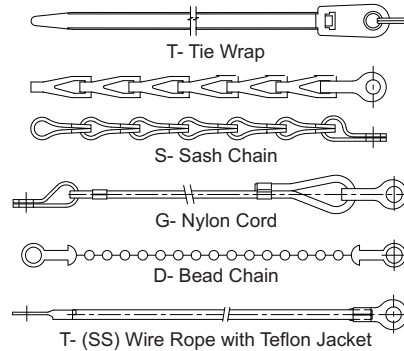
Technical drawing of a chain assembly, showing a top view and a side view.

Top View: A circular component with a central hole and four mounting points. The outer diameter is labeled $\varnothing B$.

Side View: A cross-sectional view of the assembly. The total height is 29.46 max. The height of the top flange is 22.86 max. The height of the bottom flange is 14.73 min. The height of the central hole is 1.19 max. The height of the bottom flange is 14.40-0.38. The height of the central hole is +0.25. The height of the bottom flange is 4.24-0.13. The height of the central hole is +0.25.

Labels:

- Cover
- Gasket
- Rivet
- Chain S/ A
- STD. LENGTH
- 12.7
- 1" = 6.35
- Marking P/ No.as per BOM.
- Location Optional



Shell Size	Ø 'A' +0.02 -0.13	Ø 'B' max	H +12.70 -6.35
09	14.53	18.29	76.20
11	17.78	21.59	
13	21.59	25.40	
15	24.77	28.70	88.90
17	27.94	31.75	
19	30.66	35.05	
21	33.83	38.10	101.60
23	37.01	41.40	
25	40.18	44.45	

Ordering Information

JANMS27501 B 11 C L

Shell Size: 09, 11, 13, 15, 17, 19, 21, 23 & 25

Class:
B-Cadmium plate olive drab finish
C-Hard Anodize black finish
F-Electroless nickel finish

Style: C-With chain
A- Without chain

Length
L- 127.0 + 12.7/-6.35 chain/Rope in lieu of std. length.
Leave blank for std. length. 'H'

Ordering Information (Proprietary)

ILJT27501 09 A D T H

Shell Size: 09, 11, 13, 15, 17, 19, 21, 23 & 25

Finish:
A-Hard anodic non-conductive
W-Cadmium plate with olive drab
E-Electroless nickel
X-Zinc cobalt olive drab
Z-Zinc cobalt olive drab

Type of attachment:
D-Bead chain passivated
G-Nylon cord
S-Sash chain
T-S.S. wire rope with teflon jacket
X- None

Type of end link:
T- Tie wrap
X- None (Small link hole dia 4.49 mm max.)

Length of attachment:
H-Standard length
For non-standard 'H' length has to be specified in inches.

Technical drawing of a shaft-hub assembly. The drawing shows a shaft with a diameter of $\varnothing A$ and a hub with a width of 22.86 max. The shaft has a step of 14.73 min. The hub has a step of 1.19 max. The shaft has a hole of 14.40 - 0.38 and a hole of + 0.25. The drawing includes a cross-section of the shaft and a cross-section of the hub.

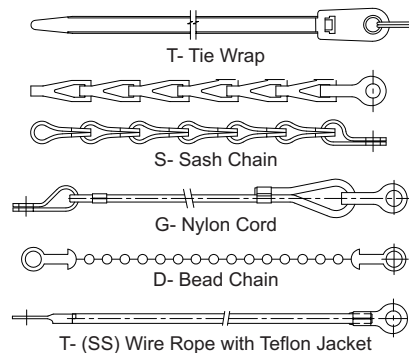
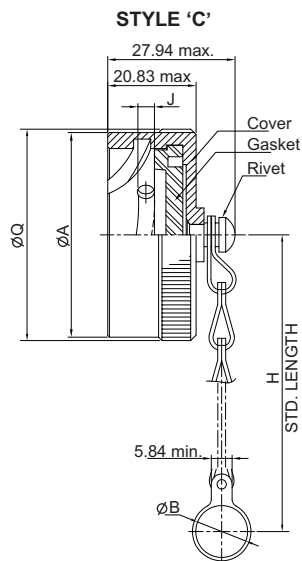
Ordering Information

ILJT27501 08 A V1

Shell Size: 09, 11, 13, 15, 17, 19, 21, 23 & 25

Class: A-Hard Anodic W-Aluminium, 500 hrs. cadmium olive drab. F-Aluminium, 48 hrs. electroless nickel. T-Nickel PTFE finish.
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Variant



All Dimensions are in mm

Shell Size	ø 'A' max.	ø'B' min	H +12.70 -6.35	J ±0.38	ø'B' max
09	19.81	17.78	76.20	2.67	21.84
11	22.99	21.34			24.89
13	26.95	25.65			29.46
15	30.12	28.96	88.90		32.51
17	33.05	32.00			35.81
19	36.12	35.31			38.61
21	39.22	38.35	101.60		41.91
23	42.34	41.66			44.96
25	45.54	44.70		3.51	48.01

All Dimensions for reference only

Ordering Information (MIL Part Number)

JANMS27502 B 11 C L

Designates Plug Dust Cover

Shell Size: 09, 11, 13, 15, 17, 19, 21, 23 & 25

Class:
B-Cadmium plate olive drab finish
C-Hard Anodize black finish
F-Electroless nickel finish

Style: C-With chain
A- Without chain

Length
L- 127.0 + 12.7/-6.35 chain/Rope in lieu of std. length.
Leave blank for std. length. 'H'

Note: For non-standard long 'L' contact factory.

Ordering Information (Proprietary Part Number)

ILJT27502 09 A D S H

Designates Plug Dust Cover

Shell Size: 09, 11, 13, 15, 17, 19, 21, 23 & 25

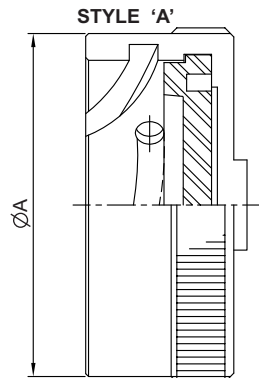
Finish:
A-Hard anodic non-conductive
W-Cadmium plate with olive drab
E-Electroless nickel
X-Zinc cobalt olive drab
Z-Zinc cobalt olive drab

Type of attachment:
D-Bead chain passivated
G-Nylon cord
S-Sash chain
T-S.S. wire rope with teflon jacket
X- None

Type of end link:
S- Solid ring
T- Tie wrap
X- None (Small link hole dia 4.49 mm max.)

Length of attachment:
H-Standard length
For non-standard 'H' length has to be specified in inches.

Cap without attachment



Ordering Information ILJT27502 09 A V1

Designates: Receptacle Dust Cover

Shell Size: 09, 11, 13, 15, 17, 19, 21, 23 & 25

Class:
A-Hard Anodic
W-Aluminium, 500 hrs. cadmium olive drab.
F-Aluminium, 48 hrs. electroless nickel.
T-Nickel PTFE finish.

Variant

STYLE 'C'

20.83 max.

14.48 max.

7.87 min.

1.19 max.

+0.25
5.64-0.38

ØB

120°

ØA

Marking P/ No.as per BOM.
Location Optional

Cover

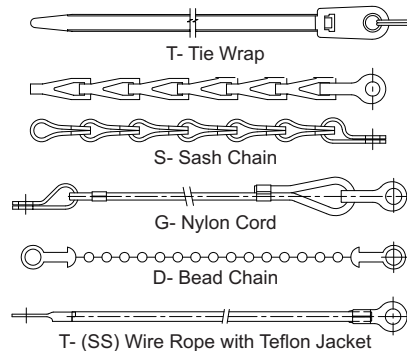
Gasket

Rivet

STD. LENGTH

Chain S/A

+0.25
Ø4.24-0.13



All Dimensions are in mm

Shell Size	Ø 'A' +0.02 -0.13	Ø 'B' max OVERALL	H +12.70 -6.35
08	12.01	18.29	76.20
10	14.99	21.59	
12	19.05	25.40	
14	22.22	28.70	88.90
16	25.40	31.75	
18	28.58	35.05	
20	31.75	38.10	101.60
22	34.92	41.40	
24	38.10	44.45	

All Dimensions for reference only

JANMS27510 **A** **08** **C** **L**

Designates Plug Dust Cover

Shell Size: 08, 10, 12, 14, 16, 18, 20, 22 & 24

Class:
B-Cadmium plate olive drab finish
C-Hard Anodize black finish
F-Electroless nickel finish

Style: C-With chain
A- Without chain

Length
L- 127.0 + 12.7/-6.35 chain/Rope in lieu of std. length.
Leave blank for std. length. 'H'

Note: For non-standard long 'L' contact factory.

Ordering Information (Proprietary Part Number)

	IJT27510	08	A	D	T	H
Designates Plug Dust Cover						
Shell Size: 08, 10, 12, 14, 16, 18, 20, 22 & 24						
Finish: A-Hard anodic non-conductive W-Cadmium plate with olive drab E-Electroless nickel X-Zinc cobalt olive drab Z-Zinc cobalt olive drab						
Type of attachment: D-Bead chain passivated G-Nylon cord S-Sash chain T-S.S. wire rope with teflon jacket X- None						
Type of end link: T- Tie wrap X- None (Small link hole dia 4.49 mm max.						
Length of attachment: H-Standard length For non-standard 'H' length has to be specified in inches.						

Technical drawing of a shaft-hub assembly. The drawing shows a shaft with a diameter of $\varnothing A$ and a hub with a diameter of 14.48 max . The shaft has a length of 7.87 min and a tolerance of $+0.25$ and -0.38 . The hub has a length of 1.19 max . The drawing also shows a cross-section of the shaft and hub assembly.

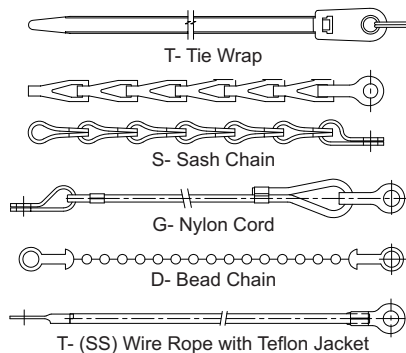
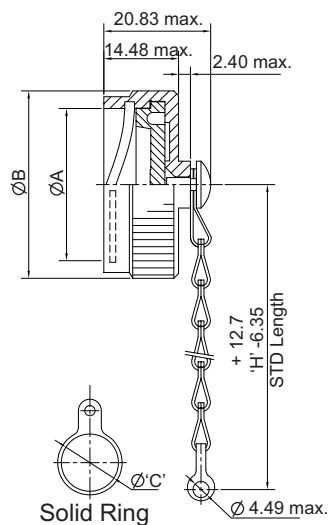
Ordering Information

Designates Plug Dust Cover

Shell Size: 08, 10, 12, 14, 16, 18, 20, 22 & 24

Class:
A-Hard Anodic
W-Aluminium, 500 hrs. cadmium olive drab.
F-Aluminium, 48 hrs. electroless nickel.
T-Nickel PTFE finish.

Variant

Style C

All Dimensions are in mm

Shell Size	Ø 'A' max.	Ø 'B' min	'C' max	H max.
08	16.00	19.05	22.61	76.20
10	19.23	21.82	25.65	
12	23.77	26.19	28.96	
14	27.28	29.36	32.0	88.90
16	29.77	32.54	35.31	
18	33.12	35.71	38.35	
20	36.45	38.89	41.66	101.60
22	39.62	41.68	44.70	
24	42.88	44.86	48.0	

All Dimensions for reference only

Ordering Information (MIL Part Number)

JANMS27511 A 08 C L

Designates Plug Dust Cover

Class:
B-Cadmium plate olive drab finish
C-Hard Anodize black finish
F-Electroless nickel finish

Shell Size: 08, 10, 12, 14, 16, 18, 20, 22 & 24

Style:
C-With chain
A- Without chain
N-With chain & ring
R-S.S. Rope hole 3.28 max. (08 to 22 size)
3.68 max. (24 size)

Length
L- 127.0 + 12.7/-6.35 chain/Rope in lieu of std. length.
Leave blank for std. length. 'H'
Note: For non-standard long 'L' contact factory.

Note: For non-standard long 'L' contact factory.

Ordering Information (Proprietary Part Number)

IJT27511 08 A D S H

Designates: Receptacle Dust Cover

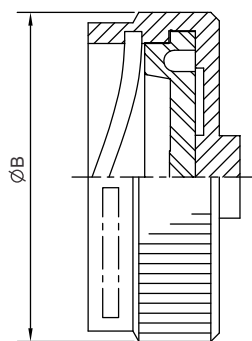
Shell Size: 08, 10, 12, 14, 16, 18, 20, 22 & 24

Finish:
A-Hard anodic non-conductive
W-Cadmium plate with olive drab
E-Electroless nickel
X-Zinc cobalt olive drab
Z-Zinc cobalt olive drab

Type of attachment:
D-Bead chain passivated
F-S.S. wire rope with nylon jacket
G-Nylon cord
S-Sash chain
T-S.S. wire rope with teflon jacket
X- None

Type of end link:
S- Solid ring
T- Tie wrap
X- None (Small link hole dia 4.49 mm max.)
X1-None (Small link hole dia 3.28 mm max.)
X-2 None (Small link hole dia 3.68 mm max.)

Length of attachment:
H-Standard length
For non-standard 'H' length has to be specified in inches.

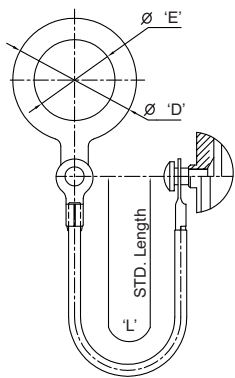
Cap without attachment**Ordering information** IJT27511 - 08 - A - V1

Designates: Receptacle Dust Cover

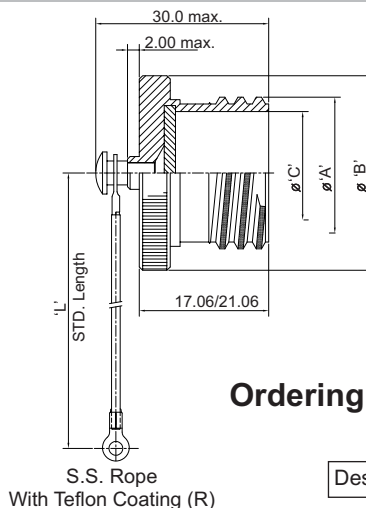
Shell Size : 08,10,12,14,16,18,20,22 & 24

Class:
A - Hard Anodic
W - Aluminium, 500 hrs. Cadmium Olive Drab
F - Aluminium, 48 hrs. electroless nickel
T- Nickel PTFE finish

Variant



(Alternate Type For
Jam Nut Type Only)
S.S. Rope with Ring
Teflon Coating (N)



S.S. Rope
With Teflon Coating (R)

All Dimensions are in mm

Shell Size	'A' Thread -2A -0.1P -0.3L-TS	ØB Max	'C' +0.0 -0.15	ØD Max	ØE Min	'L' +13.0 -7.0
09	0.625"	23.0	12.50	24.0	13.0	127
11	0.750"	26.0	15.75	27.0	18.0	
13	0.875"	31.0	19.53	30.0	20.0	
15	1.000"	33.0	22.71	31.0	23.0	
17	1.1875"	37.0	25.88	37.0	26.0	
19	1.250"	40.0	28.55	40.0	29.0	
21	1.375"	44.0	31.72	44.0	32.0	
23	1.500"	46.0	34.80	45.0	34.0	
25	1.625"	50.0	38.07	49.0	39.0	

All Dimensions for reference only

Ordering Information (MIL Part Number)

JAND38999/32 W 15 R

Designates Plug Dust Cover

Class:-
F - Electroless nickel finish.
W - Aluminium, 500 hrs cadmium olive drab.

Shell Size : 09,11,13,15,17,19,21,23,&25

Style-
R - Rope
N - With rope & ring.

Ordering Information (Proprietary Part Number)

ITV32 09 A F N H

Designates Plug Dust Cover

Shell Size: 09, 11, 13, 15, 17, 19, 21, 23, & 25

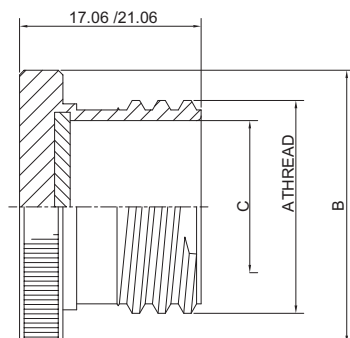
Class
Aluminium
A - Hard seal nickel finish
B - Zinc nickel finish cadmium olive drab
F - 48 hrs. electroless nickel
T - PTFE Nickel Plating
W - 500 Hrs. cadmium olive drab
EB - Cad. free zinc cobalt -olive drab finish
FB - Cad. free zinc cobalt - black finish
T- PT FE nickel finish
SD- Zinc Ni Black finish
Composite
J - Composite cadmium olive drab
M - Composite electroless nickel
NB - Nickel Aluminum Bronze
CD - S. Steel Passivated

Type of attachment
D - Bead chain passivated
F - Wire rope with teflon jacket
G - Nylon cord
S - Sash chain passivated
X - None

Type of end link
N - Solid ring
T - Tie wrap
X - None

Length of attachment
H - Standard length
For non-standard 'H' length has to be specified in mm.

Cap without attachment



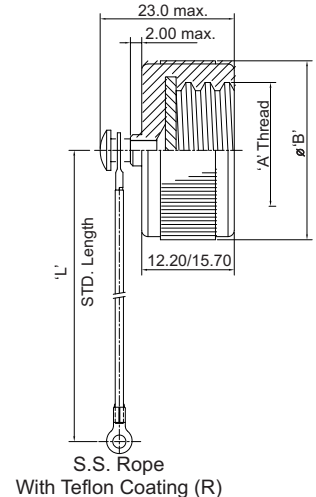
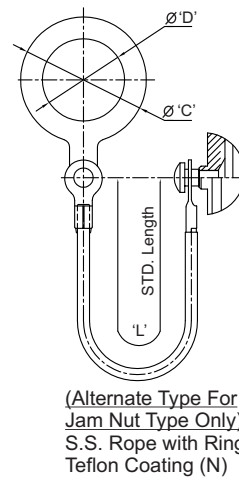
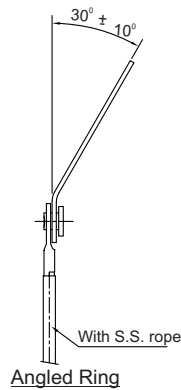
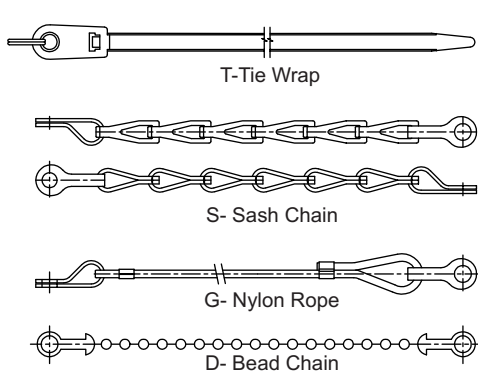
Ordering information ITV32 - 09 - A - V1

Designates Plug Cover

Shell Size : 09,11,13,15,17,19,21,23 & 25

Class:
A - Hard Anodic
W - Aluminium, 500 hrs. Cadmium Olive Drab
J - Composite cadmium olive drab
M - Composite electroless nickel
F - Aluminium, 48 hrs. electroless nickel
EB - Zinc Cobalt Olive drab
T- Nickel PTFE finish

Variant



All Dimensions are in mm

Shell Size	'A' Thread -2A-0.1P -0.3L-TS	ØB Max	'C' Max	ØD Min	'L' +13.0 -7.0
09	0.625"	23.0	27.0	17.64	127
11	0.750"	28.0	32.0	21.97	
13	0.875"	31.0	37.0	25.15	
15	1.000"	32.0	40.0	29.92	
17	1.1875"	37.0	44.0	32.0	
19	1.250"	39.0	46.0	36.27	
21	1.375"	42.0	49.0	38.25	
23	1.500"	45.0	54.0	42.62	
25	1.625"	49.0	56.0	44.45	

All Dimensions for reference only

Ordering Information (Proprietary Part Number)

ITV33 09 A F N H

Designates Receptacle Dust Cover

Shell Size: 09, 11, 13, 15, 17, 19, 21, 23, & 25

Class
Aluminium
A - Hard seal nickel finish
B - Zinc nickel finish cadmium olive drab
F - 48 hrs. electroless nickel
T - PTFE Nickel Plating
W - 500 Hrs. cadmium olive drab
EB - Cad. free zinc cobalt -olive drab finish
FB - Cad. free zinc cobalt - black finish
T-PT FE nickel finish
SD- Zinc Ni Black finish
Composite
J - Composite cadmium olive drab
M - Composite electroless nickel
NB - Nickel Aluminum Bronze
CD - S. Steel Passivated

Type of attachment
D - Bead chain passivated
F - Wire rope with teflon jacket
G - Nylon cord
S - Sash chain passivated
X - None

Type of end link
N - Solid ring
T - Tie wrap
X - None

Length of attachment
H - Standard length
For non-standard 'H' length has to be specified in mm.

Ordering Information (MIL Part Number)

JAND38999/33 W 15 R

Designates Receptacle Dust Cover

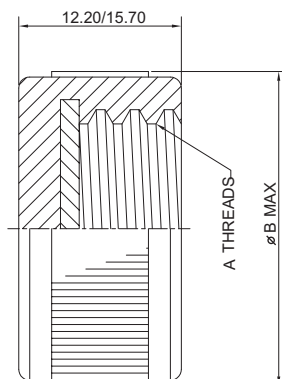
Class:-
F - Electroless nickel finish.
W- Aluminium, 500 hrs cadmium olive drab.

Shell Size : 09,11,13,15,17,19,21,23,&25

Style-
R - Rope
N - With rope & ring.

Note: For non. std. long "L" Contact factory

Cap without attachment



Ordering information ITV33 - 09 - A - V1

Designates Receptacle Cover

Shell Size : 09,11,13,15,17,19,21,23 & 25

Class:
A - Hard Anodic
W - Aluminium, 500 hrs. Cadmium Olive Drab
J - Composite cadmium olive drab
M - Composite electroless
F - Aluminium, 48 hrs. electroless nickel
T- Nickel PTFE finish

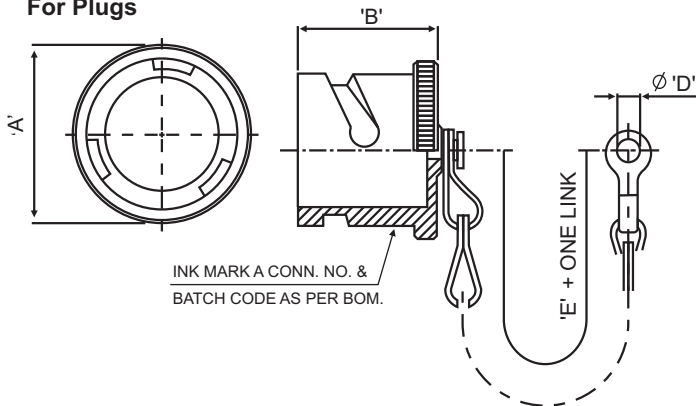
Variant

Other Accessories

Protective cap for 97B series

97B-25042

For Plugs



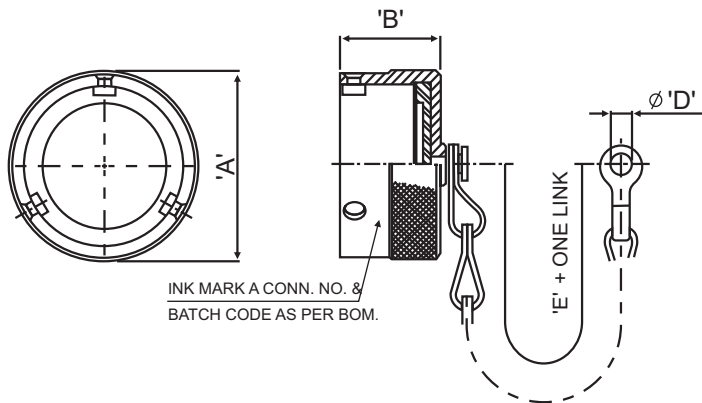
All dimensions are in mm

PART NUMBER	SHELL SIZE	'A' MAX.	'B' MAX.	'D' + 0.60/-0	'E' MIN.
97 B - 25042 - 10SL	10 SL	21.0	23.50	4.30	90.0
97 B - 25042 - 14S	14 S	27.50			100.0
97 B - 25042 - 16S	16 S	30.0			115.0
97 B - 25042 - 16	16	33.50	31.50	4.70	130.0
97 B - 25042 - 18	18	37.0			
97 B - 25042 - 20	20	40.0			
97 B - 25042 - 22	22	43.0			
97 B - 25042 - 24	24	49.50		5.50	190.0
97 B - 25042 - 28	28	56.0			
97 B - 25042 - 32	32	62.50			
97 B - 25042 - 36	36	68.50			
97 B - 25042 - 40	40				

Protective Cap For 97B Series

97B-25043

For Receptacle



All dimensions are in mm

PART NUMBER	SHELL SIZE	'A' MAX.	'B' ± 0.20	'D' + 0.60/-0	'E' MIN.
97 B - 25043 - 10SL	10 SL	23.0	16.0	4.30	90.0
97 B - 25043 - 14S	14 S	30.0			100.0
97 B - 25043 - 16S	16 S	32.50			115.0
97 B - 25043 - 16	16	37.0	20.70	5.50	160.0
97 B - 25043 - 18	18	40.50			
97 B - 25043 - 20	20	43.50			
97 B - 25043 - 22	22	47.0			
97 B - 25043 - 24	24	54.0		5.50	160.0
97 B - 25043 - 28	28	60.50			
97 B - 25043 - 32	32	67.0			
97 B - 25043 - 36	36	73.0			
97 B - 25043 - 40	40				

Note :- Please add 07 suffix for bigger end link. Applicable for Jam Nut

97B-25043-XX-624-LXX-V1

97B- Reverse Bayonet caps
MS- Threaded Caps

25042 - Caps for plug
25043 - Caps for receptacle

Shell Size 10sl To 36

Cap w/o chain & rivet hole

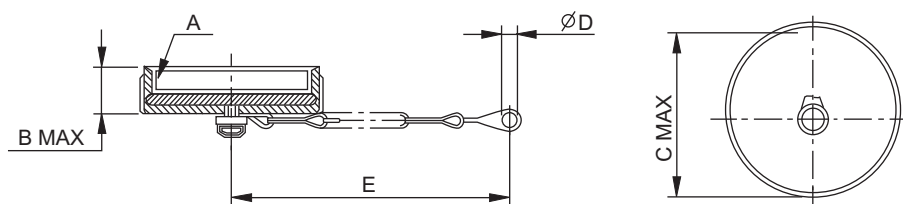
For non - std length specified in cm.

A23 Electroless Nickel Finish
624 : Zn CO Black
622 : Zn Co Green
610 : Hard Anodize finish
(Standard supplied Cadmium green colour)

Protective Cap For MS Series

MS-25043

For receptacles Has internal threads and is used on all receptacles. Gasket is provided in the dust cap forming a watertight seal.



All dimensions are in mm

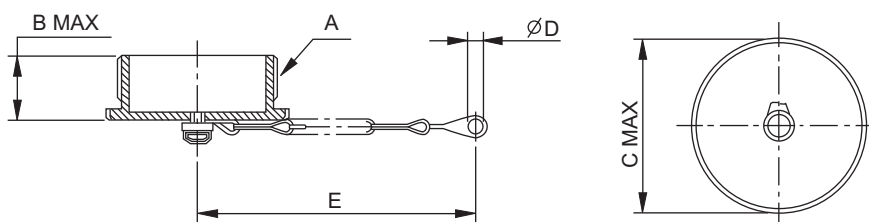
MS Part number	Shell size	A Thread in inches	B	C	D	E
MS 25043-10	10S	5/8-24	11.11	20.7	3.6	102
MS 25043-12	12S	3/4- 20	11.11	25.4	3.6	115
MS 25043-14	14S	7/8-20	11.11	28.6	3.6	115
MS 25043-16	16-16S	1-20	11.11	30.2	3.6	115
MS 25043-18	18	1 1/8-18	11.11	34.1	3.6	115
MS 25043-20	20	1 1/4-18	11.11	37.3	4.4	127
MS 25043-22	22	1 3/8-18	11.11	40.4	4.4	127
MS 25043-24	24	1 1/2-18	11.11	43.6	4.4	140
MS 25043-28	28	1 3/4-18	12.7	50	4.4	197
MS 25043-32	32	2-18	12.7	56.3	4.8	197
MS 25043-36	36	2 1/4-18	12.7	62.7	4.8	197
MS 25043-40	40	2 1/2-16	12.7	69	4.8	197

Other Accessories

Protective cap for MS series

MS-25042

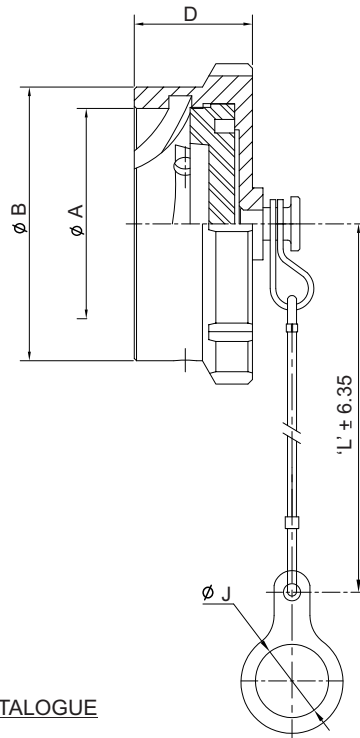
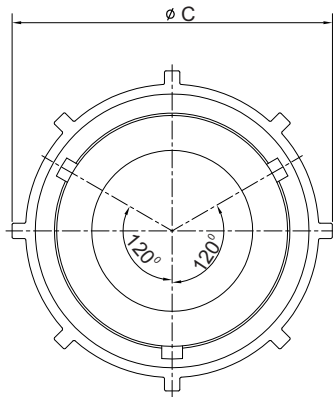
For plugs Has external threads and is used on all plugs where a coupling ring is provided.



All dimensions are in mm

MS Part number	Shell size	A Thread in inches	B	C	D	E
MS 25042-10	10S-1-SL	5/8-24	16.67	17.4	4	102
MS 25042-12	12-12S	3/4- 20	21.4	20.6	4	115
MS 25042-14	14-14S	7/8-20	21.4	23.7	4	115
MS 25042-16	16-16S	1-20	21.4	26.9	4	115
MS 25042-18	18	1 1/8-18	21.4	30	4	115
MS 25042-20	20	1 1/4-18	21.4	33	4.8	127
MS 25042-22	22	1 3/8-18	21.4	36.4	4.8	127
MS 25042-24	24	1 1/2-18	21.4	39.6	4.8	140
MS 25042-28	28	1 3/4-18	21.4	46	4.8	197
MS 25042-32	32	2-18	21.4	52	5.6	197
MS 25042-36	36	2 1/4-18	21.4	58.7	5.6	197
MS 25042-40	40	2 1/2-16	21.4	65	5.6	197

MIL C26482 Heavy Duty Cap 62IN - 1069 - XX For Receptacle



FOR OTHER DETAILS & CONN. SPEC. REF. OUR 62IN CATALOGUE

All Dimensions are in mm

Shell Size	Ø 'A' Min.	Ø 'B'	Ø 'C' Max	Ø 'D' ±0.25	Ø 'J' ±0.25	'L' LENGTH
08	12.22	17.60	22.66	13.13	14.69	76.20
10	15.29	20.35	26.84		17.86	
12	19.33	24.50	29.01		22.64	
14	22.48	27.90	32.19		25.81	
16	25.05	31.07	36.94		28.99	88.90
18	28.85	33.33	39.70		32.16	
20	32.0	36.89	42.85		35.35	
22	35.18	40.06	45.65	14.15	38.51	101.60
24	38.35	43.14	48.82		41.68	

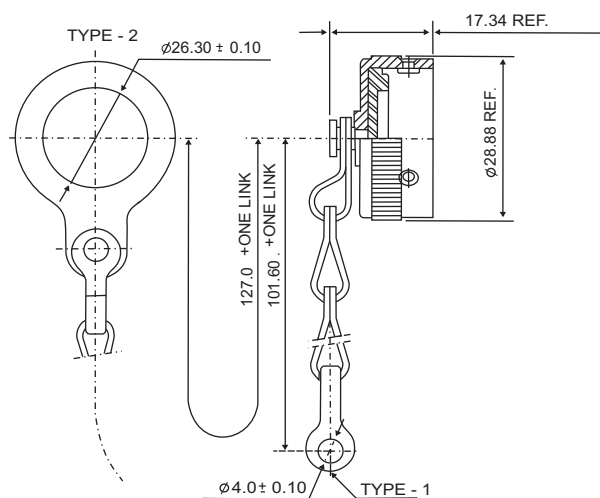
All Dimensions for reference only

Ordering Information

62IN-1069-10-XXX

Series	Shell Size
D/Cap Type	Plating Finish

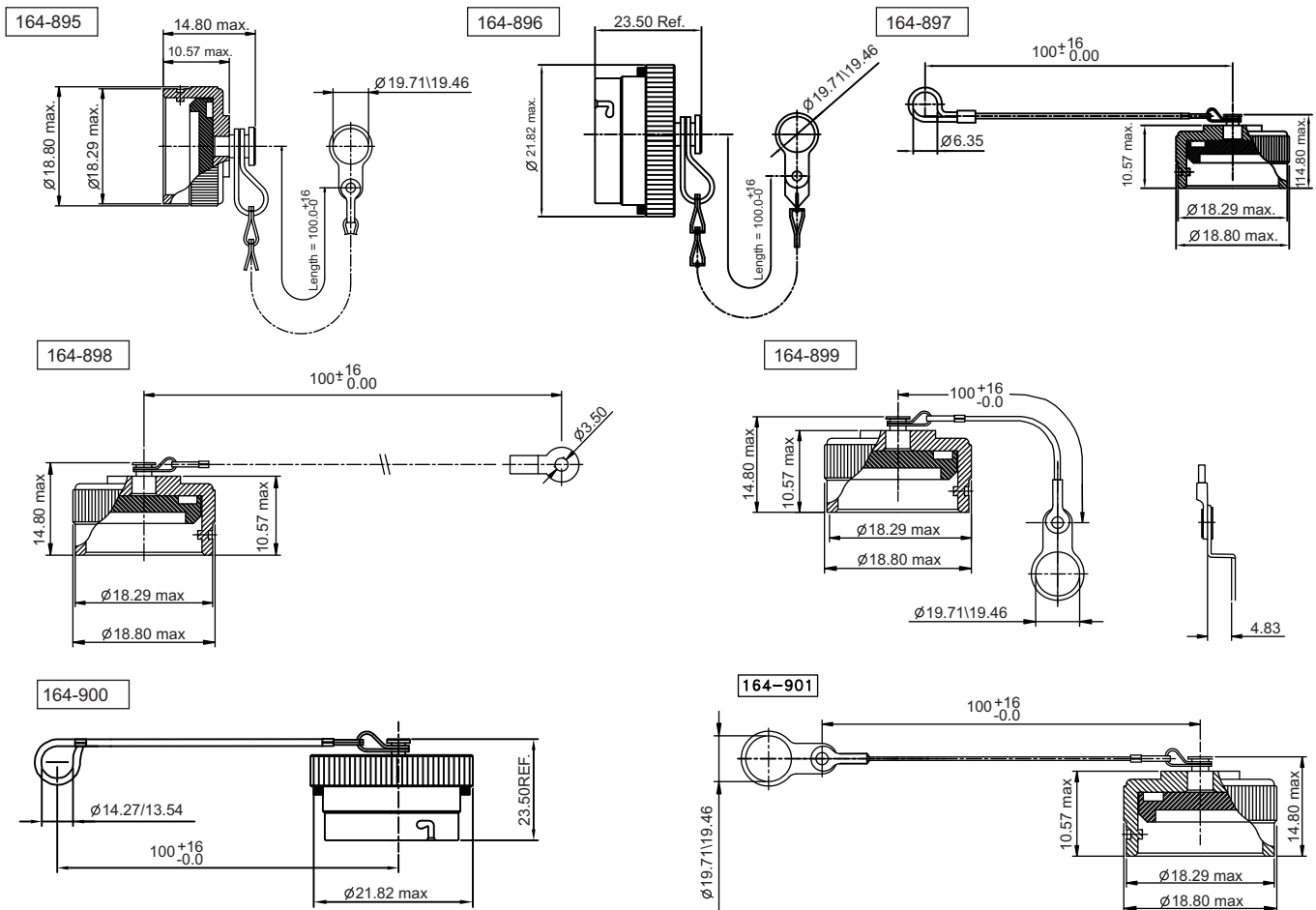
MIL-C 1054 Dust Cap for 10 Pin Audio Connector



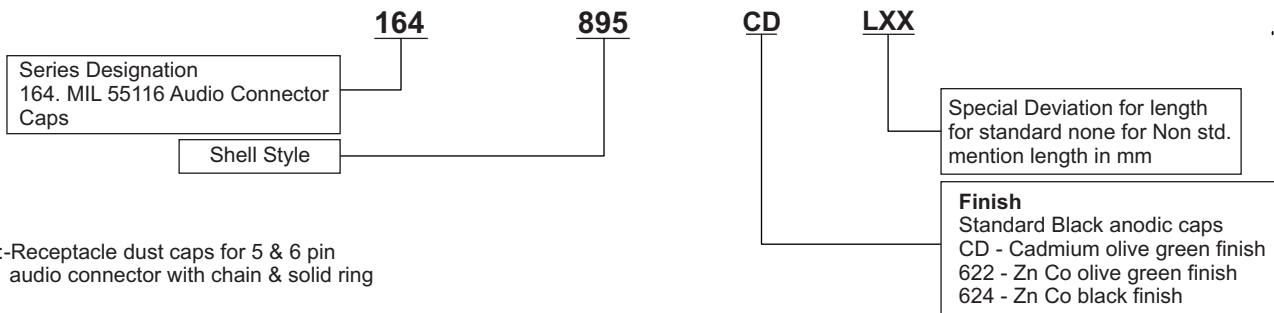
All dimensions in mm

Table 1

Dust Cap No.	Link Type	Cap Finish
164-377	Type-2	Black Anodised
164-377-714	Type-2	Cadmium Plate with Electroless Under Coat
164-377-01	Type-1	Black Anodised
164-377-01-714	Type-1	Cadmium Plate with Electroless Under Coat



ORDERING INFORMATION FOR 164 DUST CAP



895:-Receptacle dust caps for 5 & 6 pin audio connector with chain & solid ring

896:-Plug dust caps for 5 & 6 pin audio connector with chain & solid ring

897:-Receptacle dust caps for 5 & 6 pin audio connector with nylon rope & loop

898:-Receptacle dust caps for 5 & 6 pin audio connector with nylon rope & SS lug

899:-Receptacle dust caps for 5 & 6 pin audio connector with SS rope & lug

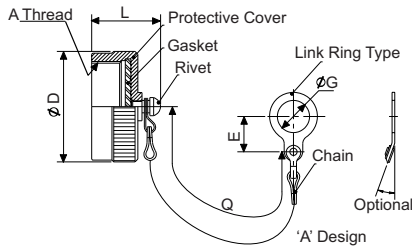
900:-Plug dust caps for 5 & 6 pin audio connector with SS rope & loop

901:-Receptacle dust caps for 5 & 6 pin audio connector with nylon rope & solid ring

MATERIAL

Cover : Machined Alluminium Alloy
 Gasket : Silicon elastomer
 Chain : Stainless steel passivated
 Ring : Stainless steel passivated
 SS Rope : Stainless steel teflon coated
 Rope : Nylon (olive green)
 Fastners : Stainless steel passivated

Receptacle Dustcap (AQWLD-17349)



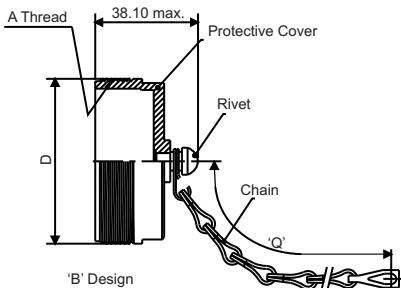
All dimensions are in mm

Amphenol Part No.	MS Part No.	A Thread 2B Double Start	ØD MAX.	E MIN.	L MAX.	ØG MIN.	Q
AQWLD-17349C12*	MS17349C12*	0.875-0.1P-0.2L-DS	27.80	21.10	19.43	25.80	127.00
AQWLD-17349C14*	MS17349C14*	1.000-0.1P-0.2L-DS	31.00	22.10		29.00	
AQWLD-17349C16*	MS17349C16*	1.1250-0.1P-0.2L-DS	34.10	24.60		32.20	
AQWLD-17349C18*	MS17349C18*	1.250-0.1P-0.2L-DS	37.30	25.70		35.30	
AQWLD-17349C20*	MS17349C20*	1.375"-0.1P-0.2L-DS	39.70	28.40		38.50	
AQWLD-17349C22*	MS17349C22*	1.500"-0.1P-0.2L-DS	42.90	30.20	24.90	41.70	152.40
AQWLD-17349C24*	MS17349C24*	1.750-0.1P-0.2L-DS	49.30	33.80		48.00	
AQWLD-17349C28*	MS17349C28*	2.000"-0.1P-0.2L-DS	56.40	37.60		54.40	
AQWLD-17349C32*	MS17349C32*	2.250-0.1P-0.2L-DS	62.70	41.10		60.70	
AQWLD-17349C36*	MS17349C36*	2.500-0.1P-0.2L-DS	69.10	45.00		67.10	
AQWLD-17349C40*	MS17349C40*	2.750-0.1P-0.2L-DS	75.40	48.50		73.40	

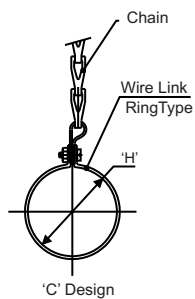
*Add attaching ring A, B, or C.

Plug Dustcap (AQWLD-17350)

All dimensions are in mm



'B' Design



'C' Design

Amphenol Part No.	MS Part No.	A Thread 2A Double Start	ØD MAX.	ØH MIN.	Q -0.0 +1 LINK
AQWLD-17350C10*	MS17350C10*	0.750-0.1P-0.2L-DS	20.60	18.30	127.00
AQWLD-17350C12*	MS17350C12*	0.875-0.1P-0.2L-DS	23.80	21.40	
AQWLD-17350C14*	MS17350C14*	1.000-0.1P-0.2L-DS	27.00	24.70	
AQWLD-17350C16*	MS17350C16*	1.1250-0.1P-0.2L-DS	30.20	27.70	
AQWLD-17350C18*	MS17350C18*	1.250-0.1P-0.2L-DS	33.30	30.90	
AQWLD-17350C20*	MS17350C20*	1.375"-0.1P-0.2L-DS	36.50	34.00	152.40
AQWLD-17350C22*	MS17350C22*	1.500"-0.1P-0.2L-DS	39.70	37.30	
AQWLD-17350C24*	MS17350C24*	1.750-0.1P-0.2L-DS	46.00	43.60	
AQWLD-17350C28*	MS17350C28*	2.000"-0.1P-0.2L-DS	52.40	50.00	
AQWLD-17350C32*	MS17350C32*	2.250-0.1P-0.2L-DS	58.70	56.30	
AQWLD-17350C36*	MS17350C36*	2.500-0.1P-0.2L-DS	65.10	62.70	
AQWLD-17350C40*	MS17350C40*	2.750-0.1P-0.2L-DS	71.40	70.60	

*Add attaching ring A, B, or C.

Series
AQWLD

Type
AQWLD 17349 - Cap for Receptacle
AQWLD 17350 - Cap for Plug

Finish
N - Black Anodized (Non-conductive)
C - Cadmium over electroless nickel (Conductive)

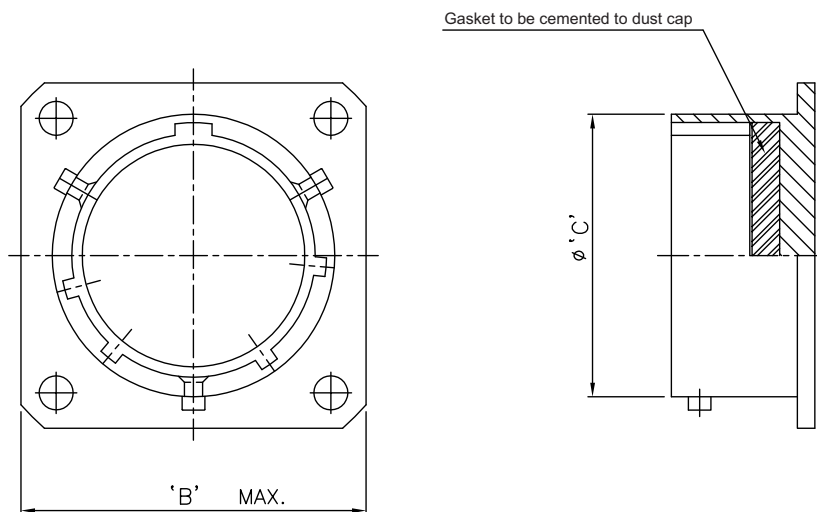
Size
12 14 16 18 20 22 24 28 32 36 40

Design
A - Chain & mounting ring
B - Chain without ring
C - Chain with clip

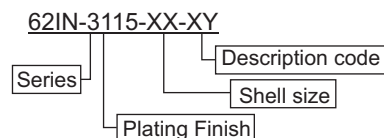
Ordering Information AQWLD 49 C 20 A

Series	AQWLD
Type	49
Finish	C
Size	20
Design	A

MIL 26482 Dummy Receptacle

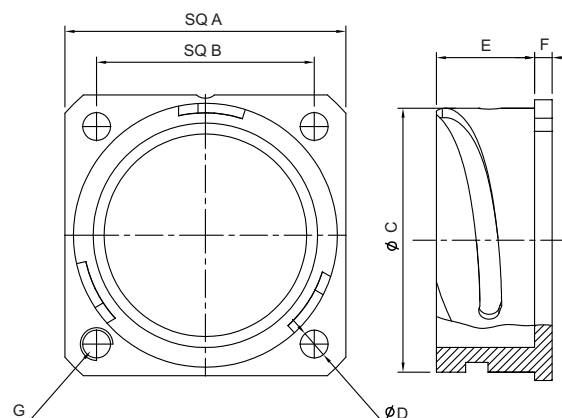


Shell Size	'B' Sq.	'C' ±0.08
08	20.62	11.96
10	23.80	14.94
12	26.59	18.97
14	28.58	22.17
16	31.34	25.32
18	33.32	28.52
20	36.50	31.70
22	39.67	34.87
24	42.85	38.05

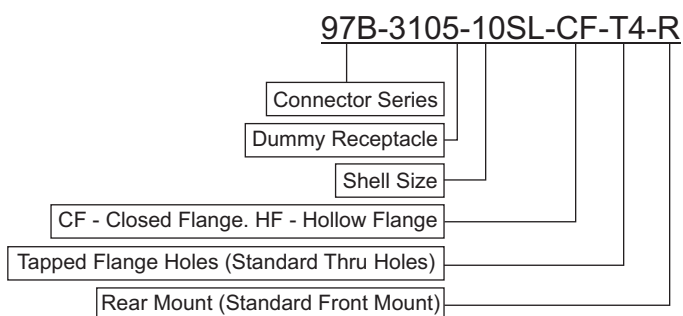


MIL 5015 Dummy Receptacle Bayonet

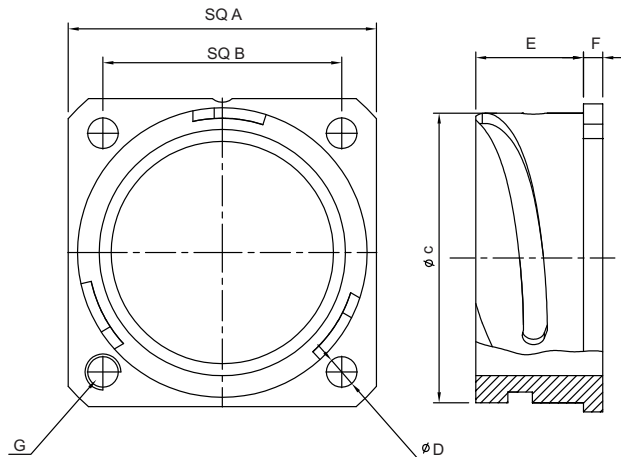
Front Panel Mounting Dummy Receptacles Rear Side Closed



Part No.	'A' +0.18 -0.20	'B' ±0.13	ø 'C' +0.00 -0.13	ø 'D' +0.10 -0.00	'E' +0.30 -0.00	'F' +0.18	'G'
97B-3105-10SL-CF	25.40	18.20	18.20	3.20	14.20	2.80	M4
97B-3105-14SL-CF	30.00	23.00	23.00	3.20	14.20	3.20	M4
97B-3105-16SL-CF	32.50	24.60	24.60	3.20	14.20	3.20	M4
97B-3105-16-CF	32.50	24.60	24.60	3.20	19.00	3.20	M4
97B-3105-18-CF	35.00	27.00	30.80	3.20	19.00	4.00	M4
97B-3105-20-CF	38.00	29.40	34.20	3.20	19.00	4.00	M4
97B-3105-22-CF	41.00	31.80	37.40	3.20	19.00	4.00	M4
97B-3105-24-CF	44.50	34.90	40.90	3.70	20.60	4.00	M4
97B-3105-28-CF	50.80	39.70	46.70	3.70	20.60	4.00	M5
97B-3105-32-CF	57.10	44.50	53.40	4.30	22.20	4.00	M5
97B-3105-36-CF	63.50	49.20	59.60	4.30	22.20	4.00	M5
97B-3105-40-CF	69.90	55.50	65.50	4.30	22.20	4.00	M5

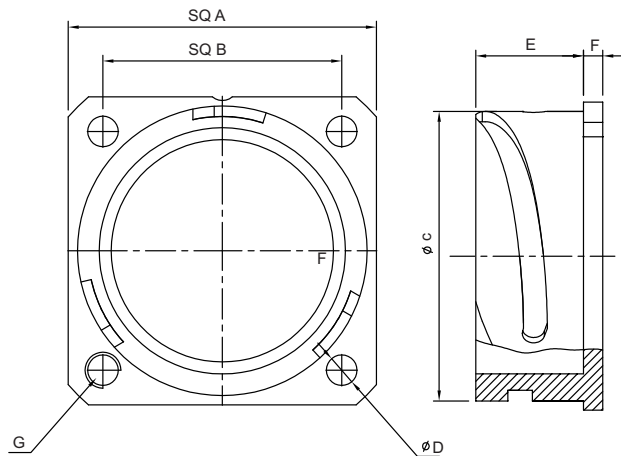


Front Panel Mounting Dummy Receptacles Rear Side Opened



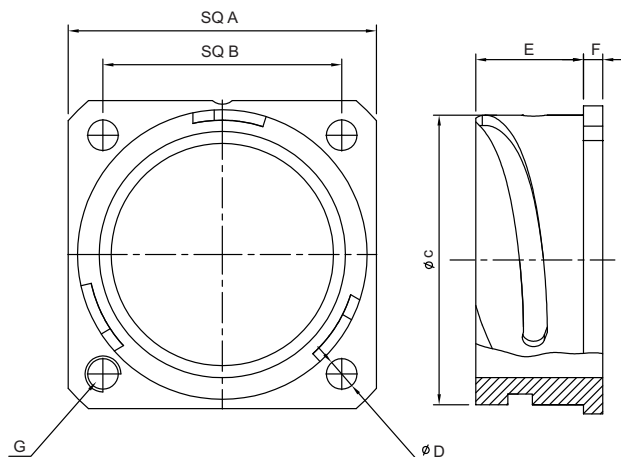
Part No.	'A' +0.18 -0.20	'B' ±0.13	Ø'C' +0.00 -0.13	Ø'D' +0.10 -0.00	'E' +0.30 -0.00	'F' ±0.18	'G'
97B-3105-10SL-HF	25.40	18.20	18.20	3.20	14.20	2.80	M4
97B-3105-14SL-HF	30.00	23.00	23.00	3.20	14.20	3.20	M4
97B-3105-16SL-HF	32.50	24.60	24.60	3.20	14.20	3.20	M4
97B-3105-16-HF	32.50	24.60	24.60	3.20	19.00	3.20	M4
97B-3105-18-HF	35.00	27.00	30.80	3.20	19.00	4.00	M4
97B-3105-20-HF	38.00	29.40	34.20	3.20	19.00	4.00	M4
97B-3105-22-HF	41.00	31.80	37.40	3.20	19.00	4.00	M4
97B-3105-24-HF	44.50	34.90	40.90	3.70	20.60	4.00	M4
97B-3105-28-HF	50.80	39.70	46.70	3.70	20.60	4.00	M5
97B-3105-32-HF	57.10	44.50	53.40	4.30	22.20	4.00	M5
97B-3105-36-HF	63.50	49.20	59.60	4.30	22.20	4.00	M5
97B-3105-40-HF	69.90	55.50	65.50	4.30	22.20	4.00	M5

Back Panel Mounting Dummy Receptacles Rear Side closed



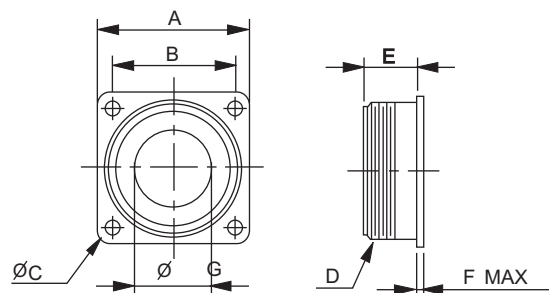
Part No.	'A' +0.18 -0.20	'B' ±0.13	Ø'C' +0.00 -0.13	Ø'D' +0.10 -0.00	'E' +0.30 -0.00	'F' ±0.18	'G'
97B-3105-10SL-CF	25.40	18.20	18.20	3.20	18.30	2.80	M4
97B-3105-14SL-CF	30.00	23.00	24.60	3.20	18.30	3.20	M4
97B-3105-16SL-CF	32.50	24.60	27.40	3.20	18.30	3.20	M4
97B-3105-16-CF	32.50	24.60	27.40	3.20	23.15	3.20	M4
97B-3105-18-CF	35.00	27.00	30.80	3.20	23.15	4.00	M4
97B-3105-20-CF	38.00	29.40	34.20	3.20	23.15	4.00	M4
97B-3105-22-CF	41.00	31.80	37.40	3.20	23.15	4.00	M4
97B-3105-24-CF	44.50	34.90	40.90	3.70	23.15	4.00	M4
97B-3105-28-CF	50.80	39.70	46.70	3.70	24.15	4.00	M5
97B-3105-32-CF	57.10	44.50	53.40	4.30	24.15	4.00	M5
97B-3105-36-CF	63.50	49.20	59.60	4.30	24.15	4.00	M5
97B-3105-40-CF	69.90	55.50	65.50	4.30	24.15	4.00	M5

Front Back Mounting Dummy Receptacles Rear Side Opened



Part No.	'A' +0.18 -0.20	'B' ±0.13	Ø'C' +0.00 -0.13	Ø'D' +0.10 -0.00	'E' +0.30 -0.00	'F' ±0.18	'G'
97B-3105-10SL-HF	25.40	18.20	18.20	3.20	18.30	2.80	M4
97B-3105-14SL-HF	30.00	23.00	24.60	3.20	18.30	3.20	M4
97B-3105-16SL-HF	32.50	24.60	27.40	3.20	18.30	3.20	M4
97B-3105-16-HF	32.50	24.60	27.40	3.20	23.15	3.20	M4
97B-3105-18-HF	35.00	27.00	30.80	3.20	23.15	4.00	M4
97B-3105-20-HF	38.00	29.40	34.20	3.20	23.15	4.00	M4
97B-3105-22-HF	41.00	31.80	37.40	3.20	23.15	4.00	M4
97B-3105-24-HF	44.50	34.90	40.90	3.70	23.15	4.00	M4
97B-3105-28-HF	50.80	39.70	46.70	3.70	24.15	4.00	M5
97B-3105-32-HF	57.10	44.50	53.40	4.30	24.15	4.00	M5
97B-3105-36-HF	63.50	49.20	59.60	4.30	24.15	4.00	M5
97B-3105-40-HF	69.90	55.50	65.50	4.30	24.15	4.00	M5

Other Accessories Dummy receptacle MS-3105

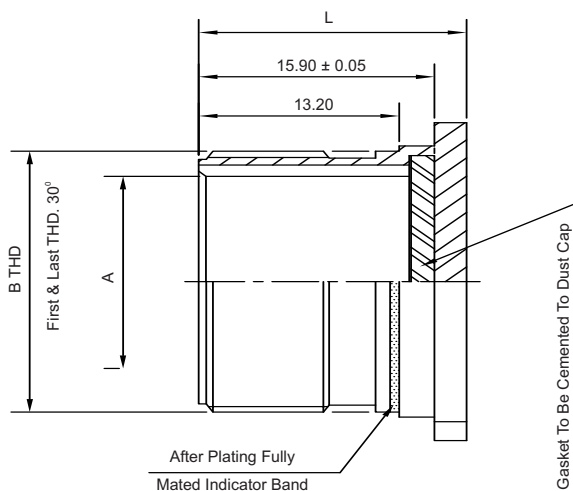
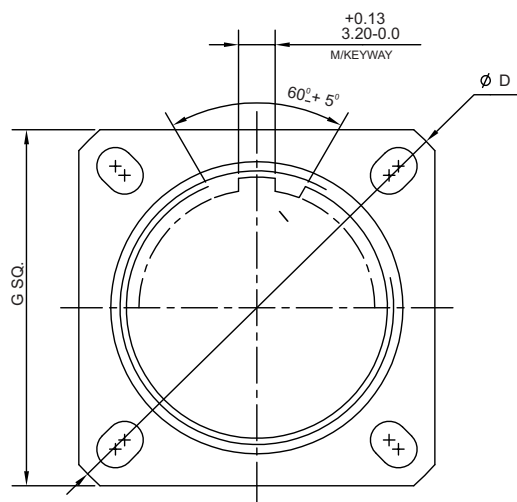


All dimensions are in mm

Part number (see note)	A	B	C	D Thread in inches	E	F max.	G
MS-3105-10S	25.4	18.26	3.05	5/8-24	14.27	3.96	8.20
MS-3105-12S	27.79	20.62	3.05	3/4-20	14.27	3.96	11.43
MS-3105-12	27.79	20.62	3.05	3/4-20	19.05	3.96	11.43
MS-3105-14S	30.17	23.01	3.05	7/8-20	14.27	3.96	13.36
MS-3105-14	30.17	23.01	3.05	7/8-20	19.05	3.96	13.36
MS-3105-16S	32.54	24.61	3.05	1-20	14.27	3.96	16.41
MS-3105-16	32.54	24.61	3.05	1-20	19.05	3.96	16.41
MS-3105-18	34.92	26.97	3.05	1 1/8-18	19.05	5.16	18.03
MS-3105-20	38.10	29.36	3.05	1 1/4-18	19.05	5.16	23.54
MS-3105-22	41.27	31.75	3.05	1 3/8-18	19.05	5.16	25.93
MS-3105-24	44.45	34.92	3.73	1 1/2-18	20.62	5.16	29.21
MS-3105-28	50.8	39.67	3.73	1 3/4-18	20.62	5.16	34.67
MS-3105-36	63.5	49.22	4.39	2 1/4-16	22.2	9.11	46.56

Note: The dash number also indicates shell size.

MIL DTL 38999 Series III Dummy Receptacle



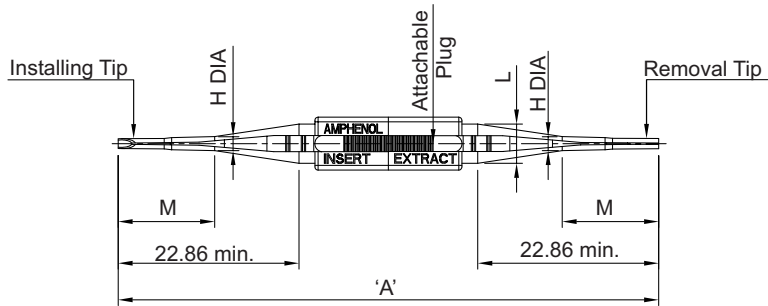
Shell Size	Mil. Code	Ø A +0.13 -0.0	'B' R H Thread	Ø D	'G' +0.23 -0.25	'L'
09	A	11.23	5/8" 0.1P-.3LTS	31.75	23.83	18.50
11	B	14.48	3/4" 0.1P-.3LTS	34.93	26.19	
13	C	17.32	7/8" 0.1P-.3LTS	38.10	28.58	
15	D	20.50	1.0" 0.1P-.3LTS	41.28	30.96	
17	E	23.67	1 3/16" 0.1P-.3LTS	44.45	33.32	
19	F	26.34	1 1/4" 0.1P-.3LTS	47.63	36.53	19.50
21	G	29.51	1 3/8" 0.1P-.3LTS	50.80	39.67	
23	H	32.69	1 1/2" 0.1P-.3LTS	55.58	42.88	
25	J	35.86	1 5/8" 0.1P-.3LTS	60.33	46.02	

Ordering Information

ITV22 - 09 - W

Series
Shell Size
Plating Finish

Insertion Removal Tool



Ordering Information

IRT - XXX - XX

Insertion & Removal Tool

Contact Size

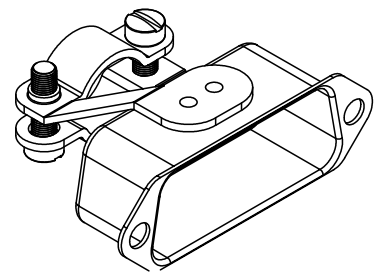
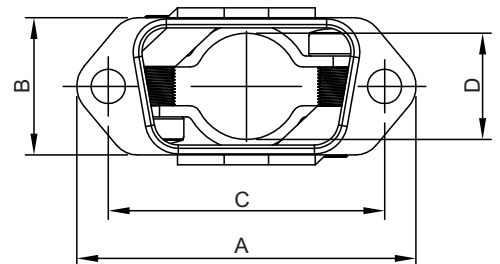
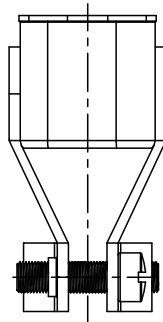
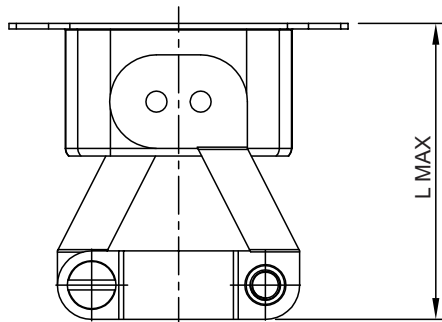
Colour Code

SR. NO	MIL Part Number	Amphenol Part Number	Contact Size	Colour Installing Tip	Code Removal Tip	'A' max.	'M' min.	'L' max.	'H' max.
1	M81969/14-01	IRT - 22D -GW	22D	Green	White	114.0	15.24	7.36	2.28
2	M81969/14-11	IRT - 20 -RW	20	Red	White	114.0	19.30	7.36	3.81
3	M81969/14-10	IRT - 20 -RO	20	Red	Orange	114.0	19.30	7.36	3.81
4	M81969/14-03	IRT - 16 -BW	16	Blue	White	114.0	25.40	11.18	5.87
5	M81969/14-04	IRT - 12 -YW	12	Yellow	White	114.0	25.40	11.18	7.29

Backshell for D - SUB (M24308) Connector

BACKSHELL FOR D-SUB (M24308) CONNECTOR:

A. METALLIC STRAIGHT CABLE HOUSING WITH CABLE CLAMP :



Ordering Information

M2000/48 - 2 - X - XX

SERIES No.

DASH No.

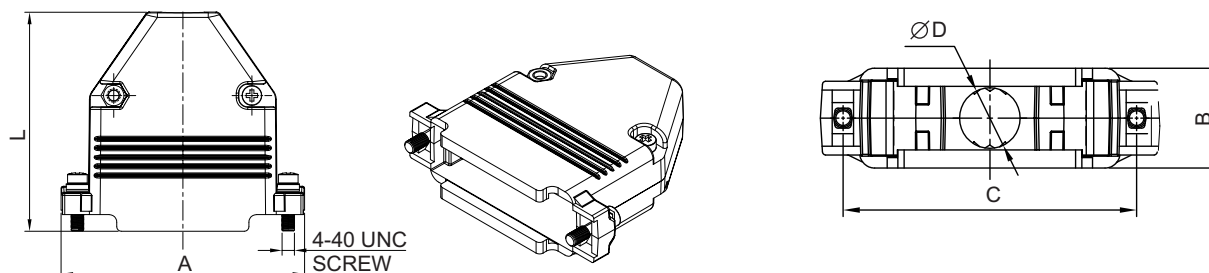
SHELL SIZE

FINISH DESIGNATOR

FINISH : F - CADMIUM PLATE WITH YELLOW PASSIVATION
Z - ZINC PLATE WITH YELLOW PASSIVATION
TI - TIN PLATED

Sr.No.	MIL Part No.	SHELL SIZE	No. of PINS DENSITY		A	B	C	D max	L max
			STD	HIGH					
1	M2000/48-2-1Z	1	9	15	30.70	12.40	24.99	10.30	27.80
2	M2000/48-2-2Z	2	15	26	39.00	12.40	33.32	10.30	27.80
3	M2000/48-2-3Z	3	25	44	52.90	12.40	47.04	15.10	28.60
4	M2000/48-2-4Z	4	37	62	69.20	12.40	63.50	18.30	28.60
5	M2000/48-2-5Z	5	50	78	66.80	15.25	61.11	18.30	28.60

Hood for D-Sub (M24308) Connector Metal Hood (Straight Entry)



Ordering Information (Military Part Number)

M2000 / X X-XXXX

Series No.	
Shell Size	
Finish Designator	
Type-	
MH- Metal Hood (Straight Entry) MHA- Metal Hood (Angle Entry) PH- Plastic Hood (Straight Entry) PHA- Plastic Hood (Angle Entry) MPH- Metallized Plastic Hood (Straight Entry) MPHA- Metallized Plastic Hood (Angle Entry)	

All Dimensions are in mm

Sr. No.	Shell Size	No. of Pins Density		'A'	'B'	'C'	'D'	'L'
		Std.	High					
01	01	09	15	31.50	15.60	24.99	6.00	47.60
02	02	15	26	40.80	15.60	33.30	10.00	48.20
03	03	25	44	54.20	16.00	47.00	10.00	48.80
04	04	37	62	69.20	16.00	63.50	10.20	48.60
05	05	50	78	67.10	18.00	61.10	12.30	48.60

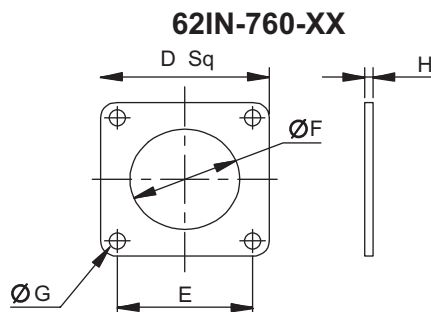
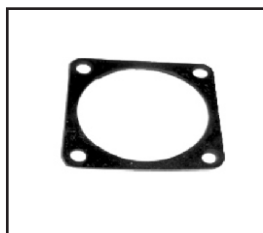
* For angle entry please contact factory.

Finish-
 Z- Zinc Plate with yellow passivation
 F- Cadmium Plate with yellow passivation

For nickel plated no suffix is required.

Flange Mounting Gasket

(Replace XX with the required shell size)



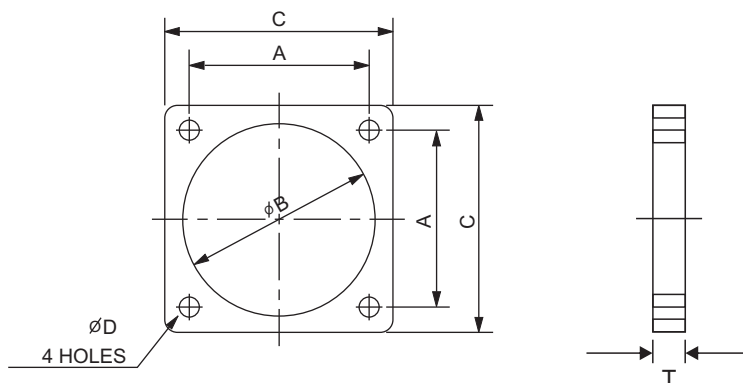
All dimensions in mm

Shell size	D	E	F Dia	G Dia	H max
8	20.62	15.08	12.90	3.30	1.06
10	23.82	18.26	16.07	3.30	1.06
12	26.18	20.65	19.25	3.30	1.06
14	28.57	23.01	22.42	3.30	1.06
16	30.96	24.61	25.60	3.30	1.06
18	33.32	27.00	28.77	3.30	1.06
20	36.52	29.36	31.95	3.30	1.06
22	39.70	31.75	35.13	3.30	1.06
24	42.87	34.92	38.30	3.96	1.06

Other Accessories

Plain flat gasket

For MS and 97B flange mounted receptacles



All dimensions are in mm

Part number	Shell size	A max	B	C	D	T
MS-101000	10SL	18.26	15.90	25.40	4.35	1.5
MS-108686	12S & 12	20.62	19.05	27.80	4.35	1.5
MS-101001	14S & 14	23.01	22.20	30.15	4.35	1.5
MS-101002	16S & 16	24.61	25.40	32.50	4.35	1.5
MS-101003	18	27.00	28.57	34.90	5.15	1.5
MS-101004	20	29.36	31.75	38.10	5.15	1.5
MS-101005	22	31.75	34.90	41.20	5.15	1.5
MS-108687	24	34.90	38.10	44.45	5.15	1.5
MS-101006	28	39.70	44.45	50.80	5.15	1.5
MS-108688	32	44.45	50.80	57.15	5.55	1.5
MS-101007	36	49.22	55.57	63.50	5.55	1.5
MS-110831	40	55.77	61.92	69.85	5.55	1.5

*For Conductive and rear Mount Gasket contact factory.

Notice : All information, including illustrations given herein is believed to be accurate at the time of printing. In lieu of design advances, Amphenol reserves the right to change specifications without notice. This publication Dust Cap Accessory Series Connectors AC ACC11 1211 supercedes all existing Amphenol literature on Dust Cap Accessory Series Connectors.

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