Amphenol

Connector Accessories

AC ACC11 0717



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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.

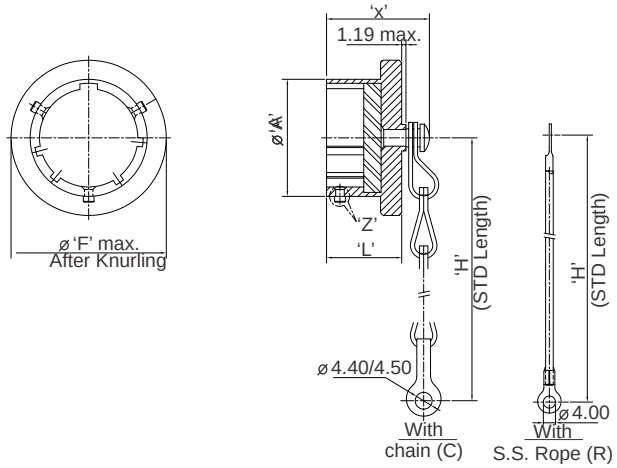
Amphenol Protective caps are developed for environmental protection needs of Circular connectors in Threaded & Bayonet versions. These are designed to meet the requirements of military standards.

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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MIL 26482 Protective Caps MS3180 & MS3181 QPL Approved



Ordering Information (MIL Part Number)

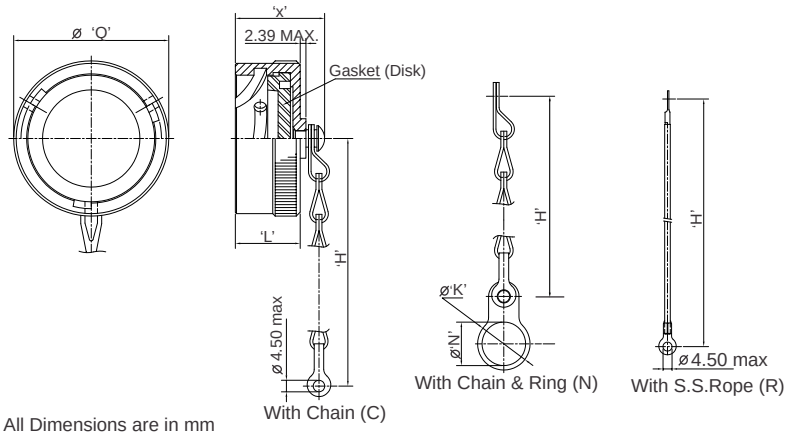
JANMS3180 10 C W L

- 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
  L- Electroless Nickel Plating Finish
  K- Black Zinc Nickel Finish
- Length:
  L - 127.0 + 12.7/-6.35 chain/rope in lieu of std. length

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

All Dimensions are in mm

Shell Size	ø A Ref.	ø F Max. Overall.	H +12.70/ -6.35	L Max. Length	X Max. Overall	ø F +0.00/-0.08 For Heavy Duty
08	12.01	18.26	76.20	14.27	19.84	22.10
10	14.99	21.44				24.86
12	19.05	25.40	88.90			29.24
14	22.22	28.58				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



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

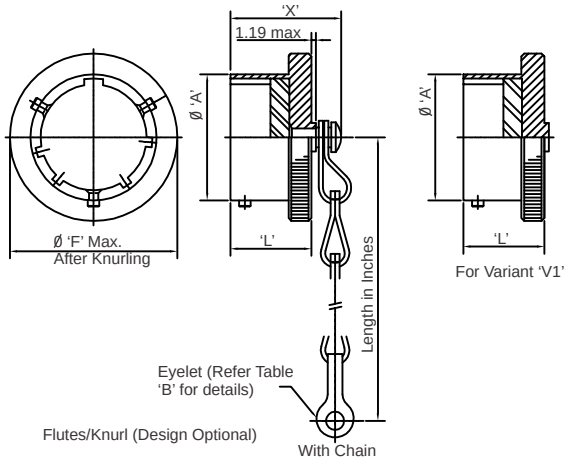
All Dimensions are in mm

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

All Dimensions for reference only

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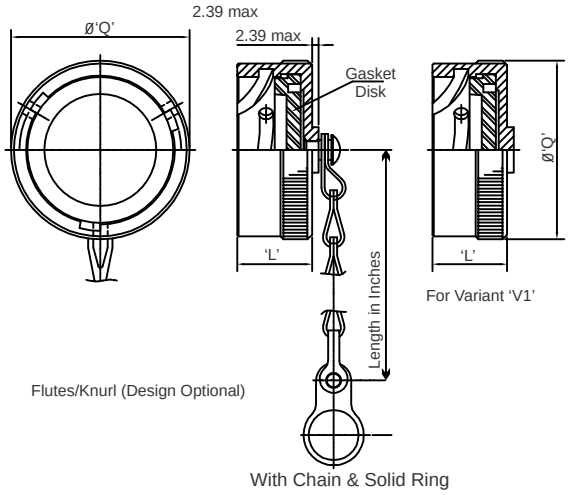
Metal Dust Cap Assembly For MIL 26482 Plug (08 to 24 Size)



All Dimensions are in MM

Shell Size	ØA REF.	Max. Overall	L. Max. Length	X Max. Overall	ØF +0.00/-0.08 For H/D. D/CAP.
08	12.01	18.26	14.27	19.84	22.10
10	14.99	21.44			24.86
12	19.05	25.40			29.24
14	22.22	28.58			32.41
16	25.40	31.75			35.58
18	28.58	34.92			38.22
20	31.75	38.10	15.88	21.44	41.94
22	34.92	41.28			45.11
24	38.10	44.45	16.71	22.22	48.18

Metal Dust Cap Assembly For MIL 26482 Receptacle (08 to 24 Size)



SHELL SIZE	L MAX.	ØN MIN.	ØQ MAX.	X MAX.
08	14.27	14.68	18.64	21.44
10		17.86	21.82	
12		22.63	25.40	
14		25.81	28.58	
16		28.98	31.75	
18		32.16	34.92	
20		35.33	38.10	
22		38.51	41.28	
24	15.29	41.68	44.45	22.22

Table B

Dash No.	INNER DIA ±0.30
00	NO EYELET
01	3.60
02	4.60
03	4.90
04	5.00
05	4.20
06	3.20
07	5.50
09	4.00

Table C

DASH NO.	Ø 'X' ±0.40
50	10.80
52	12.30
54	16.30
56	19.10
58	22.60
60	25.80
62	27.80
64	28.70
66	31.80
68	34.30
70	35.30
72	37.70
74	41.30
76	44.50
78	47.60
80	50.30
82	52.30
84	56.80
86	58.70
88	62.90
90	67.40
92	71.40
94	77.30

Table D

DASH NO.	Ø 'Y' ±0.40
08	11.90
10	15.10
12	18.20
13	19.40
14	21.40
15	22.60
16	24.60
17	25.80
18	27.80
19	29.00
20	30.60
21	32.10
22	34.10
23	36.90
24	37.70
25	40.10
27	41.70
28	42.80
29	44.80
30	48.00
31	49.60
32	50.00
33	52.80
35	54.40
36	55.50
40	61.10
44	67.50
48	77.00
118	7.90

Table E

DASH NO.	Ø 'Z' ±0.40
095	7.90
100	9.90
101	13.10
102	14.80
103	16.30
104	18.00
105	19.50
106	22.20
107	25.80
108	29.00
109	32.20
110	35.30
111	38.60
112	41.70
113	44.90
114	48.00
115	52.80
116	61.10
117	63.80
205	20.00
206	23.00
207	26.00
208	30.60
209	33.30
210	36.50
211	39.00
213	46.00
214	49.20
308	30.20

Ordering Information

IMB 3180−08−A−F− 01−4−V1

- Basic Series MIL 26482
- 3180- Plug Dust Cap; 3181- Receptacle Dust Cap
- Shell Size : 08, 10, 12, 14, 16, 18, 20, 22, & 25
- Class:Aluminium
  - A - Hard Anodic
  - B - Zinc Nickel finish
  - 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
  - SD- Zinc Nickel finish (Black)
  - Composite
  - *J- Composite, Cadmium Olive Drab
  - *M Composite Electroless Nickel
  - NB-Nickel Aluminium Bronz
  - CD- S. Steel Passivated
- Type Of Attachment:
  - D-Bead Chain Passivated
  - F-Wire Rope With Teflon Jacket
  - G-Nylon Cord (Green)
  - S-Sash Chain Passivated
  - N-No Attachment
  - H--Wire Rope With Nylon Jacket
  - B-Nylon Cord (Black)

  * Neglect If Not Applicable
- Dash No.
  for eyelet Table B
  For Solid ring Table C, D & E
  WF : With Ferrule (Supplied Loose)
  O; With out Eyelet & ring
  TR -With Tie- Wrap

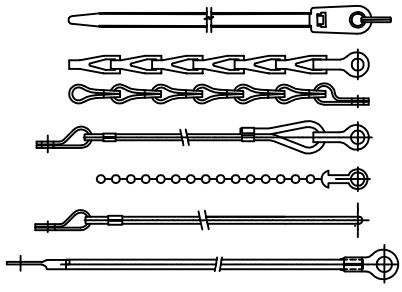
  * Neglect If Not Applicable
- Cable Length (In Inches)

  * Neglect If Not Applicable
- Variant: V1-Without Rivet & Attachment

  * Neglect If Not Applicable

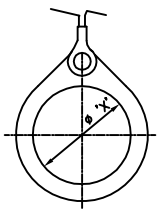
Type Of Attachment:

- TR-Tie-Wrap
- S-Sash Chain
- G- Nylon Rope
- D- Bead Chain
- O-Without End Link
- F - Teflon Jacketed S.S Rope



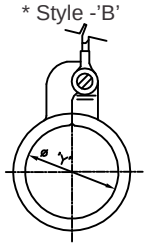
* Consult Factory For Availability

* Style -'C'



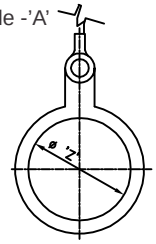
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* Style -'B'



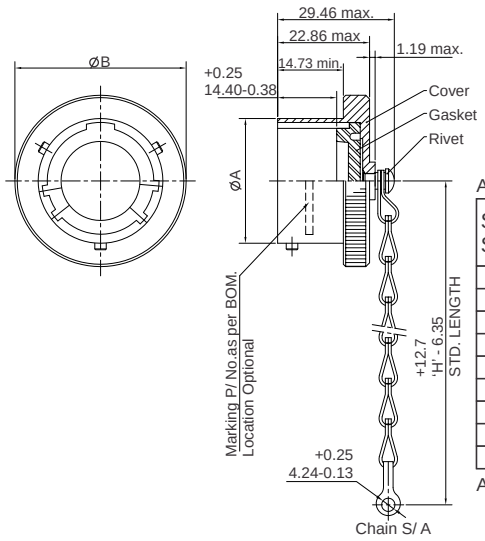
(For Details Refer Table 'D')
* Not Tooled

* Style -'A'



(For Details Refer Table 'E'

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All Dimensions are in mm

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	88.90
15	24.77	28.70	
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	

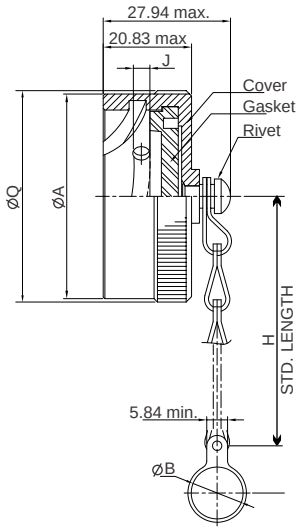
All Dimensions for reference only

Ordering Information

JANMS27501 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
  Z- Black Zinc 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.



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	88.90		29.46
15	30.12	28.96			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)

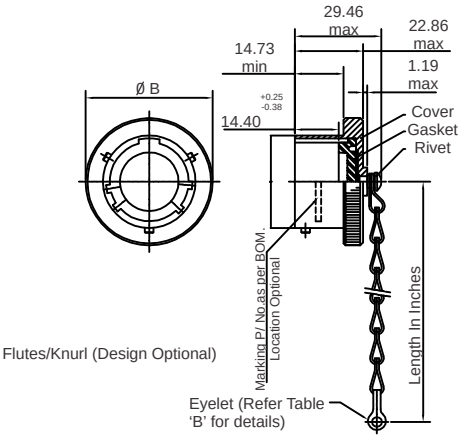
JANMS27502 B 11 C L

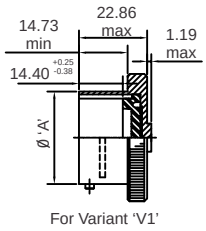
- Designates Receptacle Dust Cover
- Shell Size: 09, 11, 13, 15, 17, 19, 21, 23 & 25
- Class:
  B-Cadmium plate olive drab finish
  C-Hard Anodize black finish
  F-Electroless Nickel finish
  Z- Black Zinc Nickel finish
- Style: C-With chain
  A- Without chain
- Length
  L- 127.0 + 12.7/-6.35 chain/Rope in lieu of std. length.
  Leave blank for std. length. 'H'

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

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Metal Dust Cap Assembly For D38999 Series-1Plug Connector (09 To 25 Size)

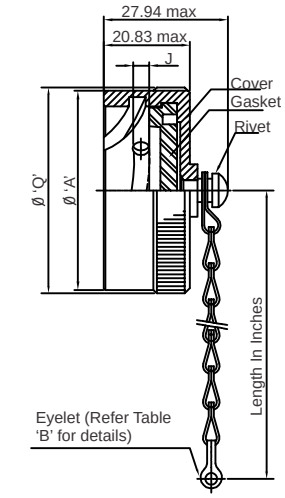


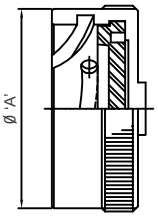


For Variant 'V1'

SHELL SIZE	ØA +0.02 −0.13	ØB MAX.
09	14.53	20.83
11	17.78	23.88
13	21.59	27.18
15	24.77	30.23
17	27.94	33.53
19	30.66	36.58
21	33.83	39.88
23	37.01	42.93
25	40.18	46.23

Metal Dust Cap Assembly For D38999 Series-1 Receptacle Connector (09 To 25 Size)





For Variant 'V1"

SHELL SIZE	ØA MAX.	ØB MIN.	ØQ MAX.	J ±0.38
09	20.83	17.78	21.84	2.67
11	23.88	21.34	24.89	
13	27.94	25.65	29.46	
15	30.99	28.96	32.51	
17	34.05	32.00	35.81	
19	37.08	35.31	38.61	
21	40.13	38.35	41.91	
23	43.18	41.66	44.96	
25	46.48	44.70	48.01	3.51

Table B

Dash No	INNER DIA ±0.30
00	NO EYELET
01	3.60
02	4.60
03	4.90
04	5.00
05	4.20
06	3.20
07	5.50
09	4.00

Table C

DASH NO.	Ø 'X' ±0.40
50	10.80
52	12.30
54	16.30
56	19.10
58	22.60
60	25.80
62	27.80
64	28.70
66	31.80
68	34.30
70	35.30
72	37.70
74	41.30
76	44.50
78	47.60
80	50.30
82	52.30
84	56.80
86	58.70
88	62.90
90	67.40
92	71.40
94	77.30

Table D

DASH NO.	Ø 'Y' ±0.40
08	11.90
10	15.10
12	18.20
13	19.40
14	21.40
15	22.60
16	24.60
17	25.80
18	27.80
19	29.00
20	30.60
21	32.10
22	34.10
23	36.90
24	37.70
25	40.10
27	41.70
28	42.80
29	44.80
30	48.00
31	49.60
32	50.00
33	52.80
35	54.40
36	55.50
40	61.10
44	67.50
48	77.00
118	7.90

Table E

DASH NO.	Ø 'Z' ±0.40
095	7.90
100	9.90
101	13.10
102	14.80
103	16.30
104	18.00
105	19.50
106	22.20
107	25.80
108	29.00
109	32.20
110	35.30
111	38.60
112	41.70
113	44.90
114	48.00
115	52.80
116	61.10
117	63.80
205	20.00
206	23.00
207	26.00
208	30.60
209	33.30
210	36.50
211	39.00
213	46.00
214	49.20
308	30.20

ORDERING INFORMATION

ILJT 27501−09−A−D−01−4−V1

Basic Series D38999 Series I

27501- Plug Dust Cap
27502- Receptacle Dust Cap

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

Class:Alumimium
A - Hard Anodic
B - Zinc Nickel finish
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
SD- Zinc Nickel finish (Black)
Composite
*J- Composite, Cadmium Olive Drab
*M Composite Electroless Nickel
NB-Nickel Aluminium Bronz
CD- S. Steel Passivated

Variant:
V1-Without Rivet & Attachment
* Neglect If Not Applicable

Cable Length (In Inches)
* Neglect If Not Applicable

Dash No.
for eyelet Table B
For Solid ring Table C, D & E
WF : With Ferrule (Supplied Loose)
O; With out Eyelet & ring
TR -With Tie- Wrap
* Neglect If Not Applicable

Type Of Attachment:
D-Bead Chain Passivated
F-Wire Rope With Teflon Jacket
G-Nylon Cord (Green)
S-Sash Chain Passivated
N-No Attachment
H--Wire Rope With Nylon Jacket
B-Nylon Cord (Black)
* Neglect If Not Applicable

Type Of Attachment:

TR-Tie-Wrap

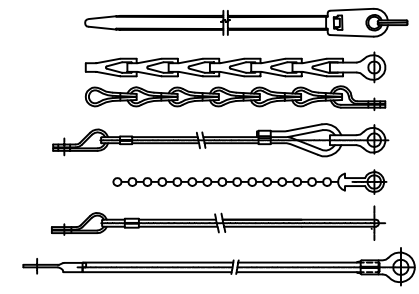
S-Sash Chain

G- Nylon Rope

D- Bead Chain

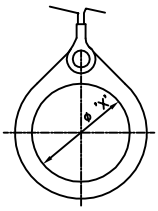
O-Without End Link

F - Teflon Jacketed S.S Rope



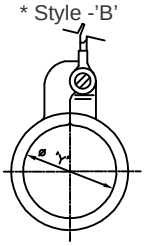
* Consult Factory For Availability

* Style -'C'



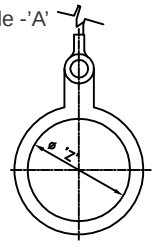
(For Details Refer Table 'C')
* Not Tooled

* Style -'B'



(For Details Refer Table 'D')
* Not Tooled

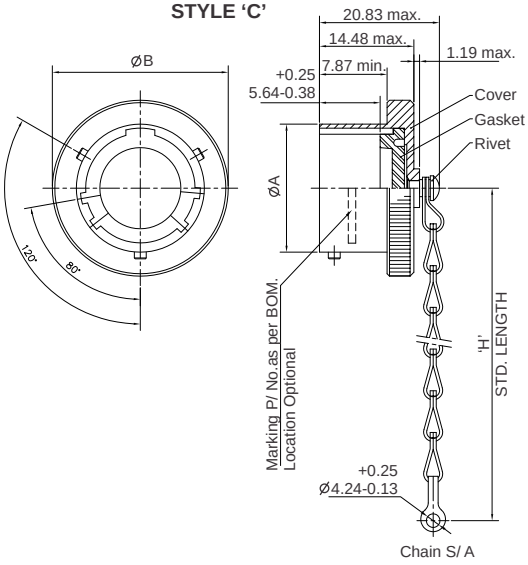
* Style -'A'



(For Details Refer Table 'E'

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STYLE 'C'



All Dimensions are in mm

Shell Size	⌀ '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	88.90
14	22.22	28.70	
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

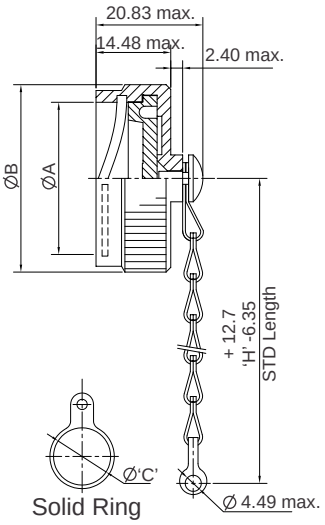
Ordering Information (MIL Part Number)

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
  Z- Black Zinc 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.

Style C



All Dimensions are in mm

Shell Size	⌀ '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	88.90
14	27.28	29.36	32.0	
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

Flutes/Knurl (Design Optional)

Ordering Information (MIL Part Number)

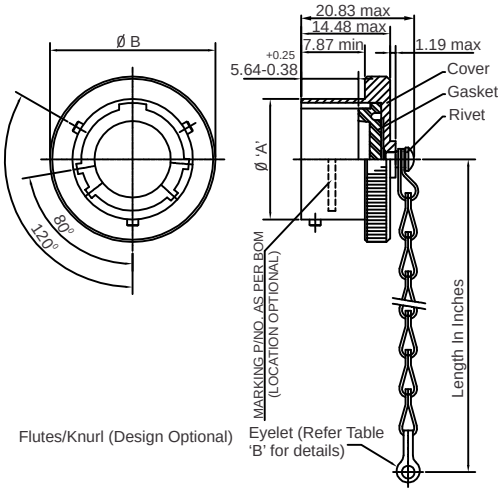
JANMS27511 A 08 C L

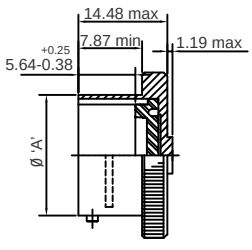
- Designates Receptacle Dust Cover
- Class:
  B-Cadmium plate olive drab finish
  C-Hard Anodize black finish
  F-Electroless Nickel finish
  Z- Black Zinc Nickel finish
- Shell Size: 08, 10, 12, 14, 16, 18, 20, 22 & 24
- Style:
  C-With chain
  A- Without chain
  N-With chain & ring
  R-S.S. Rope hole 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.

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Metal Dust Cap Assembly For D38999 Series-II Plug Connector (09 To 25 Size)





For Variant 'V1'

Flutes/Knurl (Design Optional)

SHELL SIZE	ØA +0.02 −0.13	Ø B max. OVERALL
08	12.01	18.29
10	14.99	21.59
12	19.05	25.40
14	22.22	28.70
16	25.40	31.75
18	28.58	35.05
20	31.75	38.10
22	34.92	41.40
24	38.10	44.45

Table B

Dash No	Inner DIA ±0.30
00	NO EYELET
01	3.60
02	4.60
03	4.90
04	5.00
05	4.20
06	3.20
07	5.50
09	4.00

Table C

DASH NO.	Ø 'X' ±0.40
50	10.80
52	12.30
54	16.30
56	19.10
58	22.60
60	25.80
62	27.80
64	28.70
66	31.80
68	34.30
70	35.30
72	37.70
74	41.30
76	44.50
78	47.60
80	50.30
82	52.30
84	56.80
86	58.70
88	62.90
90	67.40
92	71.40
94	77.30

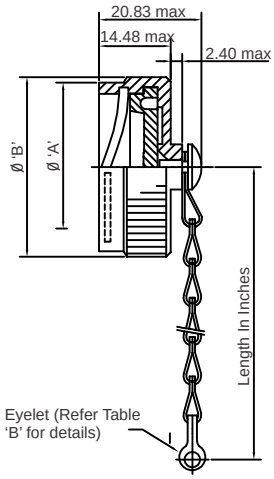
Table D

DASH NO.	Ø 'Y' ±0.40
08	11.90
10	15.10
12	18.20
13	19.40
14	21.40
15	22.60
16	24.60
17	25.80
18	27.80
19	29.00
20	30.60
21	32.10
22	34.10
23	36.90
24	37.70
25	40.10
27	41.70
28	42.80
29	44.80
30	48.00
31	49.60
32	50.00
33	52.80
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36	55.50
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44	67.50
48	77.00
118	7.90

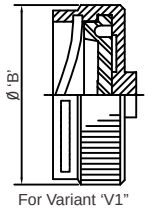
Table E

DASH NO.	Ø 'Z' ±0.40
095	7.90
100	9.90
101	13.10
102	14.80
103	16.30
104	18.00
105	19.50
106	22.20
107	25.80
108	29.00
109	32.20
110	35.30
111	38.60
112	41.70
113	44.90
114	48.00
115	52.80
116	61.10
117	63.80
205	20.00
206	23.00
207	26.00
208	30.60
209	33.30
210	36.50
211	39.00
213	46.00
214	49.20
308	30.20

Metal Dust Cap Assembly For D38999 Series-II Receptacle Connector (09 To 25 Size)



Flutes/Knurl (Design Optional)



For Variant 'V1'

Flutes/Knurl (Design Optional)

SHELL SIZE	Ø A MAX	Ø B MA
8	16.00	19.05
10	19.33	21.82
12	23.77	26.19
14	27.28	29.36
16	29.77	32.54
18	33.12	35.71
20	36.45	38.89
22	39.62	41.68
24	42.88	44.86

ORDERING INFORMATION

IJT 27511–10–A–S–01–4–V1

- Basic Series D38999 Series-II
- 27501- Plug Dust Cap
  27511- Receptacle Dust Cap
- Shell Size: 08, 10, 12, 14, 16, 18, 20, 22, & 24
- Class:Alumimium
  A - Hard Anodic
  B - Zinc Nickel finish
  F - 48 hrs. Electroless Nickel finish
  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
  SD- Zinc Nickel finish (Black)
  Composite
  *J- Composite, Cadmium Olive Drab
  *M Composite Electroless Nickel
  NB-Nickel Aluminium Bronz
  CD- S. Steel Passivated
- Dash No.
  for eyelet Table B
  For Solid ring Table c, D & E
  WF : With Ferrule (Supplied Loose)
  O; With out Eyelet & ring
  TR -With Tie- Wrap
  * Neglect If Not Applicable
- Type Of Attachment:
  D-Bead Chain Passivated
  F-Wire Rope With Teflon Jacket
  G-Nylon Cord (Green)
  S-Sash Chain Passivated
  N-No Attachment
  H--Wire Rope With Nylon Jacket
  B-Nylon Cord (Black)
  * Neglect If Not Applicable
- Cable Length (In Inches)
  * Neglect If Not Applicable
- Variant:
  V1-Without Rivet & Attachment
  * Neglect If Not Applicable

Type Of Attachment:

TR-Tie-Wrap

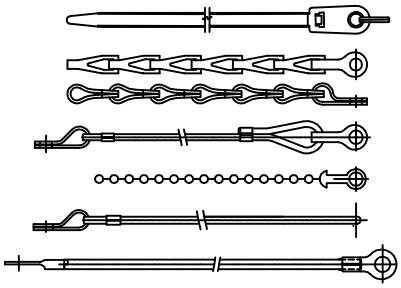
S-Sash Chain

G- Nylon Rope

D- Bead Chain

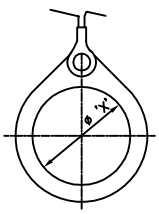
O-Without End Link

F - Teflon Jacketed S.S Rope



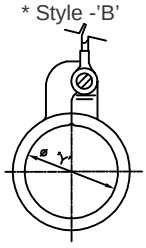
* Consult Factory For Availability

* Style -'C'



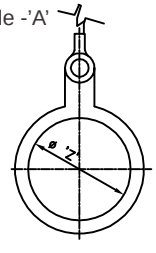
(For Details Refer Table 'C')
* Not Tooled

* Style -'B'



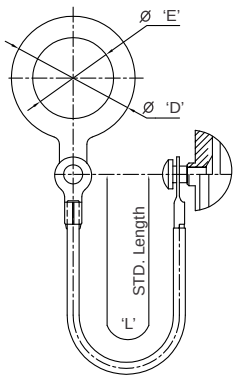
(For Details Refer Table 'D')
* Not Tooled

* Style -'A'

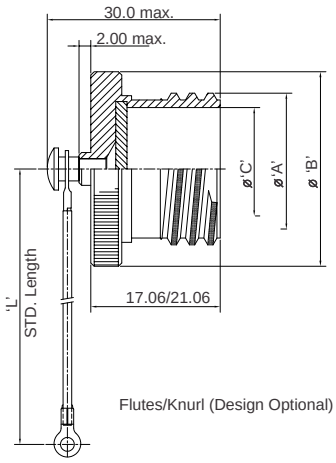


(For Details Refer Table 'E'

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



Flutes/Knurl (Design Optional)

S.S. Rope
With Teflon Coating (R)

Ordering Information (MIL Part Number)

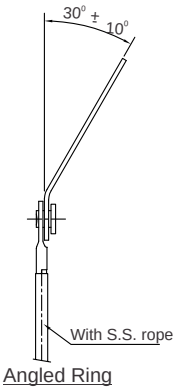
JAND38999/32 W 15 R

- Designates Plug Dust Cover
- Class:F - Electroless nikel finish. W- Aluminium,500 hrs cadmium olive drab. Z- Black Zinc Nickel finish
- Shell Size : 09,11,13,15,17,19,21,23,&25
- Style: R - Rope N - With rope & ring.

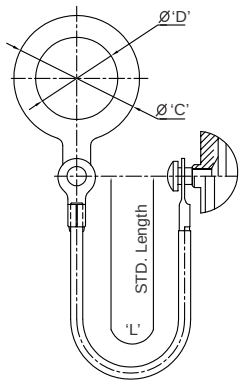
All Dimensions are in mm

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	

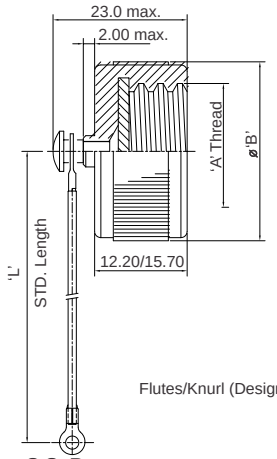
All Dimensions for reference only



Angled Ring



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



Flutes/Knurl (Design Optional)

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' 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 (MIL Part Number)

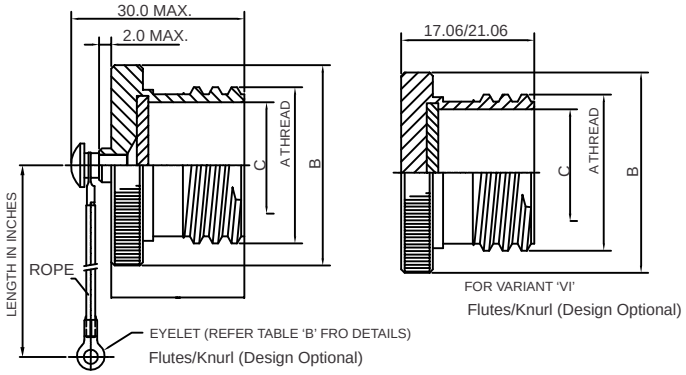
JAND38999/33 W 15 R

- Designates Receptacle Dust Cover
- Class:- F - Electroless nikel finish. W- Aluminium,500 hrs cadmium olive drab. Z- Black Zinc Nickel finish
- 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

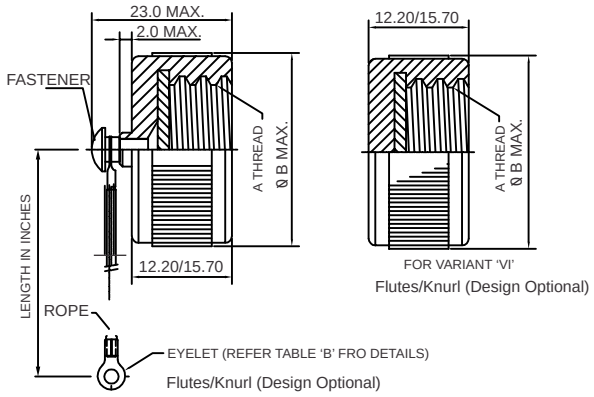
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D38999 SERIES III PLUG DUST CAP (ITV 32)



SHELL SIZE	'A' THREAD–2A –0.1P–0.3L–TS	ØB max	'C' +0.00 –0.15
09	0.625"	23.0	12.50
11	0.750"	26.0	15.75
13	0.875"	31.0	19.53
15	1.000"	33.0	22.71
17	1.1875"	37.0	25.88
19	1.250"	40.0	28.55
21	1.375"	44.0	31.72
23	1.500"	46.0	34.90
25	1.625"	50.0	38.07

38999 SERIES III RECEPTACLE DUST CAP (ITV 33)



SHELL SIZE	'A'–0.1P–0.3L T.S THREAD – 2B	'B' max dia
09	0.625"	23.0
11	0.750"	28.0
13	0.875"	31.0
15	1.000"	32.0
17	1.1875"	37.0
19	1.250"	39.0
21	1.375"	42.0
23	1.500"	45.0
25	1.625"	49.0

Table B

Dash No	INNER DIA ±0.30
00	NO EYELET
01	3.60
02	4.60
03	4.90
04	5.00
05	4.20
06	3.20
07	5.50
09	4.00

Table C

DASH NO.	Ø 'X' ±0.40
50	10.80
52	12.30
54	16.30
56	19.10
58	22.60
60	25.80
62	27.80
64	28.70
66	31.80
68	34.30
70	35.30
72	37.70
74	41.30
76	44.50
78	47.60
80	50.30
82	52.30
84	56.80
86	58.70
88	62.90
90	67.40
92	71.40
94	77.30

Table D

DASH NO.	Ø 'Y' ±0.40
08	11.90
10	15.10
12	18.20
13	19.40
14	21.40
15	22.60
16	24.60
17	25.80
18	27.80
19	29.00
20	30.60
21	32.10
22	34.10
23	36.90
24	37.70
25	40.10
27	41.70
28	42.80
29	44.80
30	48.00
31	49.60
32	50.00
33	52.80
35	54.40
36	55.50
40	61.10
44	67.50
48	77.00
118	7.90

Table E

DASH NO.	Ø 'Z' ±0.40
095	7.90
100	9.90
101	13.10
102	14.80
103	16.30
104	18.00
105	19.50
106	22.20
107	25.80
108	29.00
109	32.20
110	35.30
111	38.60
112	41.70
113	44.90
114	48.00
115	52.80
116	61.10
117	63.80
205	20.00
206	23.00
207	26.00
208	30.60
209	33.30
210	36.50
211	39.00
213	46.00
214	49.20
308	30.20

ORDERING INFORMATION

ITV33 – 09 – B – F – 01 – 4 – V1

- Basic Series D38999 III
- 32- Plug Dust Cap; 33- Receptacle Dust Cap
- Shell Size : 09, 11, 13, 15, 17, 19, 21, 23, & 25
- Class:Alumimium
  - A - Hard Anodic
  - B - Zinc Nickel finish
  - F - 48 hrs. Electroless Nickel finish
  - W - 500 hrs. Cadmium Olive Drab
  - EB - Cad Free Zinc Cobalt-Olive Drab finish
  - FB- Cad Free Zinc Cobalt-Black finish
  - SD- Zinc Nickel finish (Black)
  - Composite
  - *J- Composite, Cadmium Olive Drab
  - *M Composite Electroless Nickel
  - NB-Nickel Aluminium Bronz
  - CD- S. Steel Passivated
- Type Of Attachment:
  - D-Bead Chain Passivated
  - F-Wire Rope With Teflon Jacket
  - G-Nylon Cord (Green)
  - S-Sash Chain Passivated
  - N-No Attachment
  - H--Wire Rope With Nylon Jacket
  - B-Nylon Cord (Black)

  * Neglect If Not Applicable
- Dash No. for eyelet Table B; For Solid ring Table c, D & E; WF : With Ferrule (Supplied Loose); O; With out Eyelet & ring; TR -With Tie- Wrap

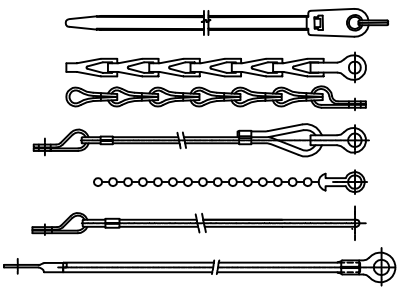
  * Neglect If Not Applicable
- Cable Length (In Inches)

  * Neglect If Not Applicable
- Variant: V1-Without Rivet & Attachment

  * Neglect If Not Applicable

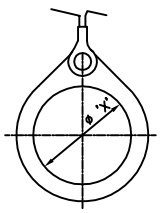
Type Of Attachment:

- TR-Tie-Wrap
- S-Sash Chain
- G- Nylon Rope
- D- Bead Chain
- O-Without End Link
- F-Teflon Jacketed S.S. Rope



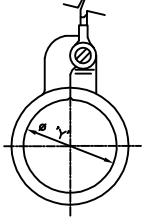
* Consult Factory For Availability

* Style -'C'



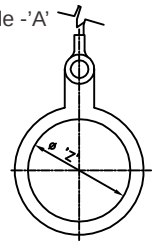
(For Details Refer Table 'C')
* Not Tooled

* Style -'B'



(For Details Refer Table 'D')
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* Style -'A'



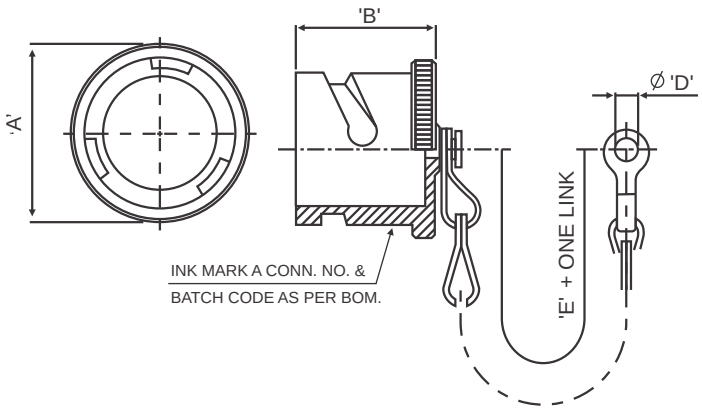
(For Details Refer Table 'E'

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Other Accessories Protective Cap for 97B Series

97B-25042

For Plugs



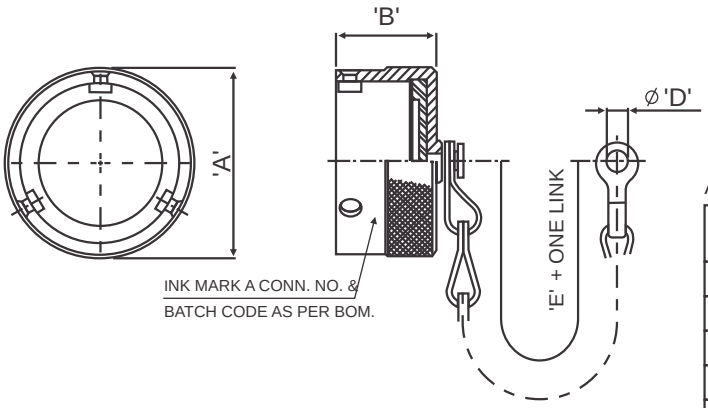
All dimensions are in mm

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			
97 B - 25042 - 16	16		31.50		115.0
97 B - 25042 - 18	18	33.50			
97 B - 25042 - 20	20	37.0		4.70	130.0
97 B - 25042 - 22	22	40.0			
97 B - 25042 - 24	24	43.0			
97 B - 25042 - 28	28	49.50		5.50	190.0
97 B - 25042 - 32	32	56.0			
97 B - 25042 - 36	36	62.50			
97 B - 25042 - 40	40	68.50			

Protective Cap For 97B Series

97B-25043

For Receptacle



All dimensions are in mm

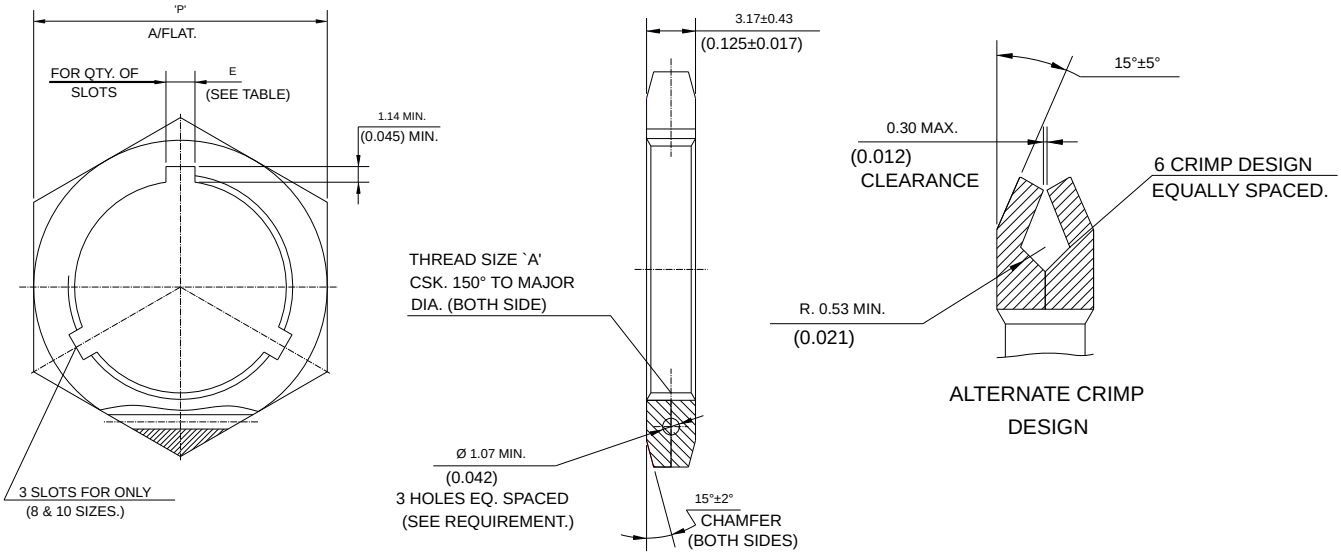
PART NUMBER	SHELL SIZE	'A' MAX.	'B' ± 0.20	'D' + 0.60/-0	'E' MIN.
97 B - 25043 - 10SL	10 SL	23.0	16.0	4.30	90.0
97 B - 25043 - 14S	14 S	30.0			
97 B - 25043 - 16S	16 S	32.50			100.0
97 B - 25043 - 16	16		20.70		
97 B - 25043 - 18	18	37.0			115.0
97 B - 25043 - 20	20	40.50			
97 B - 25043 - 22	22	43.50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

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
- A23 Electroless Nickel Finish 624 : Zn CO Black 622 : Zn Co Green 610 : Hard Anodize finish (Standard supplied Cadmium green colour)
- For non - std length specified in cm.
- Cap w/o chain & rivet hole

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Dimensions

Dash No.	Shell size		'A' Thread Size	Modified Minor Dia	P Hex.
	Ser-III	Ser-IV			
1	09	–--	M17X1-6H	16.04/16.15	24.0 21.82
2	11	–--	M20X1-6H	19.07/19.15	27.0 24.99
3	13	11	M25X1-6H	–--	32.0 29.77
4	15	13	M28X1-6H	–--	36.0 32.91
5	–--	15	M31X1-6H	–--	41.0 39.26
6	17	–--	M32X1-6H	–--	37.0 36.12
7	–--	17	M34X1-6H	–--	41.0 39.25
8	19	–--	M35X1-6H	–--	41.0 39.25
9	21	19	M38X1-6H	–--	46.0 42.47
10	23	21	M41X1-6H	–--	50.0 45.61
11	25	23	M44X1-6H	–--	51.23 49.25
12	–--	25	M47X1-6H	–--	55.0 53.54

Requirements:
Material - Panel Nut : Machined Aluminium Alloy
Used in Connector : MIL-DTL-38999, Series III, & IV (Jam Nut Receptacle)

Ordering Information: (QPL)

JD38999 /28 -11 F C

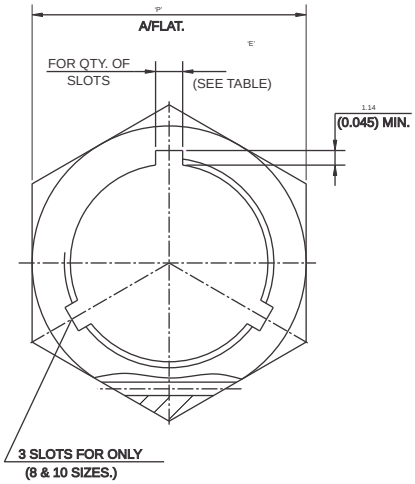
- JD38999: Specification Sheet Number; MIL Number Prefix
- /28: Specification Sheet Number
- -11: Dash Number (see sheet 1) (see note 3)
- F: Class:
  F- Electroless Nickel Finish
  W- Aluminium, 500 hrs. Cadmium Olive Drab
- C: Safety Wire Holes (see note 4)

Ordering Information: (Proprietary)

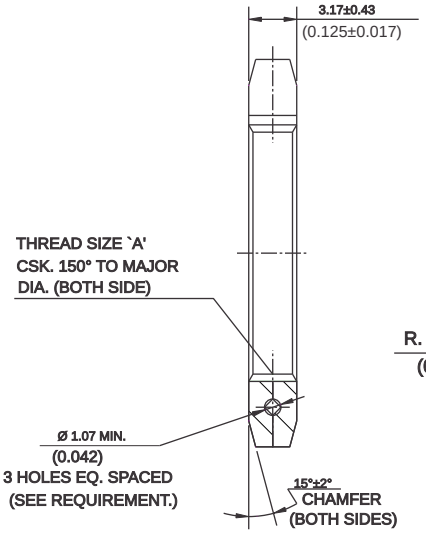
ITV /28 -11 F C

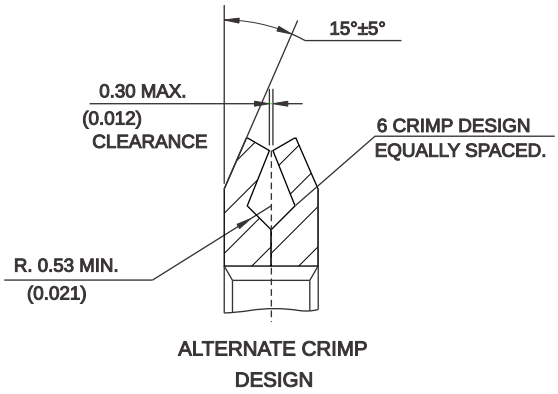
- ITV: Series Number
- /28: Specification Sheet Number
- -11: Dash Number (see sheet 1)
- F: Class:Alumimium
  A - Hard Anodic
  B - Zinc Nickel finish
  F - 48 hrs. Electroless Nickel finish
  W - Aluminium, 500 hrs. Cadmium Olive Drab
  EB - Cad Free Zinc Cobalt-Olive Drab finish
  FB- Cad Free Zinc Cobalt-Black finish
  NB-Nickel Aluminium Bronz
  CD- S. Steel Passivated
  (see note 3)
- C: Safety Wire Holes (see note 4)

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ALL DIM'S ARE IN MM (INCHES)





(MILITARY PART NUMBER.)

Dash Number	For conn. Shell size (ref.) MIL-DTL -26482	MIL-DTL -38999 Ser-I	MIL-DTL -26482 Ser-II	UDIMENSION'S `A' Thread Size. -2B	`E' MAX.	`P' ±0.43 ±(0.017)	`S' MIN. NO. OF SLOTS
102	08	--	--	0.5625-24UNEF	3.43 (0.135)	19.05 (0.750)	3
106	10	09	--	0.6875-24UNEF		22.22 (0.750)	
108	--	11	--	0.8125-20UNEF		25.40 (1.000)	1
109	12	--	08	0.875-20UNEF		26.97 (1.062)	
111	14	13	10	1.000-20UNEF		30.17 (1.188)	
113	16	15	12	1.125-18UNEF		33.32 (1.312)	
116	18	17	14	1.250-18UNEF		36.52 (1.438)	
117	20	19	16	1.375-18UNEF	4.88 (0.192)	39.67 (1.562)	
120	22	21	18	1.500-18UNEF		42.87 (1.688)	
121	24	23	20	1.625-18UNEF		46.02 (1.812)	
122	--	25	22	1.750-18UNEF		50.80 (2.000)	
123	--	--	24	1.875-16UN		53.95 (2.125)	

ORDERING INFORMATION:

J MS3186 A 113 W C

- MIL Number prefix
- Material
- Dash number (see above chart)
- Finish:-
  - A - Anodic coating colour black.
  - N - Electroless nickel finish.
  - W - Aluminium, 500 Hrs cadmium over nickel ollive drab finish.
- See Note 2

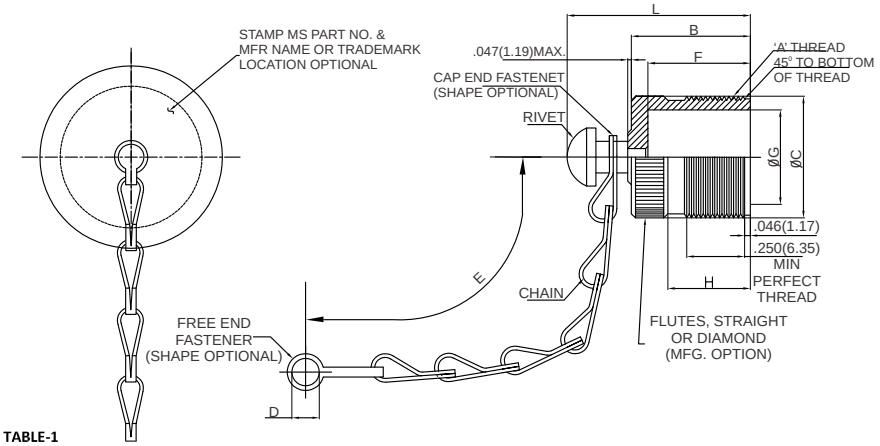
ORDERING INFORMATION:

IMB 3186 08 W C

- Series Number
- Specification sheet number.
- Shell size
- Class:-
  - UAluminium
    - A - Hard anodic black finish.
    - E - Electrodeposited nickel finish.
    - N - 48 Hrs. Electroless nickel finish.
    - W - Aluminium 500 Hrs cadmium olive drab.
    - Z - Zinc Nickel black finish.
    - EB- Cad. free zinc cobalt- olive drab finish.
    - FB- Cad. free zinc cobalt- Black finish.
  - NB - Nickel Aluminium Bronze
  - CD - S. Steel Passivated
- See Note 2

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Plug Dust Cap (MS25042)

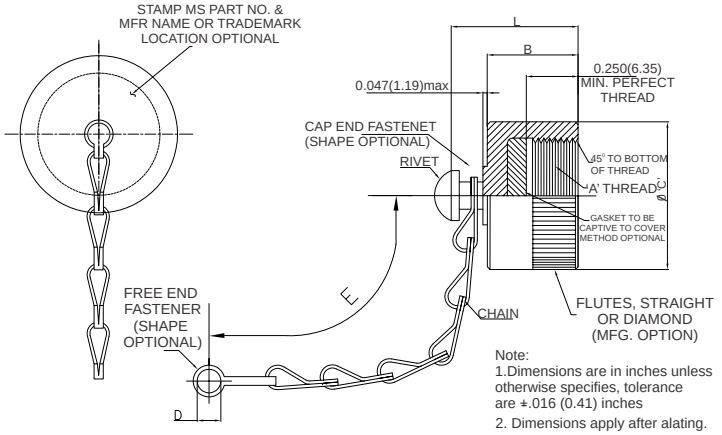


	How To Order		
Military #	MS25042	-10	D
Amphenol #	A25042	-10	D
	Basic No.	Dash No.	Finish
		Refer Table-1	Refer Table-2

TABLE-1

DASH NO (–)	COUPLING SHELL SIZE (REF)	A THREAD (PRE AS8879)	'B' MAX	'C' MAX DIA	ØD +.010 (0.27) –.005 (0.12)	E ±1 LINK	F	G DIA	H MIN.	L MAX	SHELL SIZE RANGE (REF)
8	8S	.500–28 UNEF–2A	.656 (16.7)	.562 (14.3)	.156 (4.0)	4.000 (101.6)	.562 (14.3)	.375 (9.5)	.380 (9.7)	.969 (24.6)	SMALL
10	10S,10SL	.625–24 UNEF–2A	.844 (21.4)	.687 (17.4)				.469 (11.9)			
12	12,12SL	.750–20 UNEF–2A		.812 (20.6)		4.500 (114.3)	.750 (19.1)	.562 (14.3)	.530 (13.5)	1.156 (29.4)	
14	14,14SL	.875–20 UNEF–2A		.937 (23.8)				.688 (17.5)			
16	16,16SL	1.000–20 UNEF–2A		1.062 (27.0)				.812 (20.5)			
18	18	1.125–18 UNEF–2A		1.187 (30.1)				.938 (23.8)			MEDIUM
20	20	1.250–18 UNEF–2A		1.312 (33.3)	.187 (4.7)	5.000 (127.0)		1.062 (27.0)			
22	22	1.375–18 UNEF–2A		1.437 (36.5)				1.188 (30.2)			
24	24	1.500–18 UNEF–2A		1.562 (39.7)		5.500 (139.7)		1.312 (33.3)			
28	28	1.750–18 UNS–2A		1.812 (46.0)		7.750 (196.9)		1.531 (38.9)			
32	32	2.000–18 NS–2A		2.062 (52.4)	.218 (5.5)			1.781 (45.2)			LARGE
36	36	2.250–16 UN–2A		2.312 (58.7)				2.000 (50.8)			
40	40	2.500–16 UN–2A		2.562 (65.1)				2.250 (57.2)			
44	44	2.750–16 UN–2A		2.812 (71.4)				2.500 (63.5)	.590 (15.0)		
48	48	3.000–16 UN–2A		3.062 (77.8)				2.750 (69.9)			

Receptacle Dust Cap (MS 25043)



Note:
1.Dimensions are in inches unless otherwise specifies, tolerance are ±.016 (0.41) inches
2. Dimensions apply after alating.

Dash No (-)	Coupling Shell Size (REF)	A Thread (PRE AS8879)	B MAX	C MAX DIA	Ø D +.010 (0.27) -.005 (0.12)	E ±1 Link	L MAX	SHELL SIZE RANGE (REF)
8	8S	.500–28 UNEF–2B	.469 (11.9)	.688 (17.5)	.140 (3.6)	4.000 (101.6)	.750 (19.1)	SMALL
10	10S,10SL	.625–24 UNEF–2B		.813 (20.7)				
12	12,12SL	.750–20 UNEF–2B		1.000 (25.4)		4.500 (114.3)		
14	14,14SL	.875–20UNEF–2B		1.125 (28.6)				
16	16,16SL	1.000–20UNEF–2B		1.188 (30.2)				
18	18	1.125–18UNEF–2B		1.344 (34.1)				MEDIUM
20	20	1.250–18UNEF–2B		1.469 (37.3)		5.000 (127.0)		
22	22	1.375–18UNEF–2B		1.594 (40.5)				
24	24	1.500–18UNEF–2B		1.719 (43.7)	.171 (4.3)	5.500 (139.7)		
28	28	1.750–18 UNS–2B	.531 (13.5)	1.969 (50.0)		7.750 (196.9)	.812 (20.6)	LARGE
32	32	2.000–18 NS–2B		2.219 (56.4)	.187 (4.7)			
36	36	2.250–16 UN–2B		2.469 (62.7)				
40	40	2.500–16 UN–2B		2.718 (69.0)				
44	44	2.750–16 UN–2B		2.969 (75.4)				
48	48	3.000–16 UN–2B		3.188 (81.0)				

Table-2 Finish

Finish Code	Finish Description
D	Cadmium Olive Drab Over Electroless Nickel
DA	Black Anodizer Per AMS-8625, Type II, Class 2

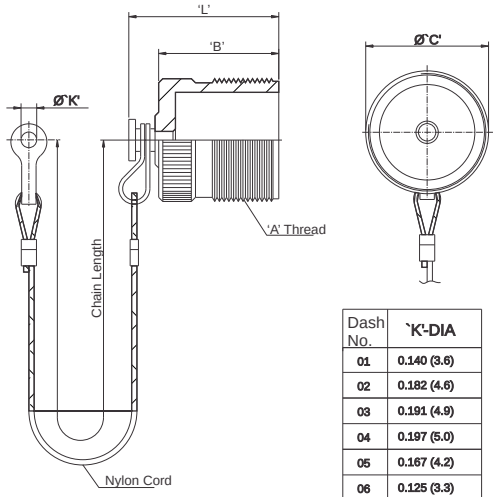
	How To Order		
Military #	MS25043	-10	D
Amphenol #	A25043	-10	D
	Basic No.	Dash No.	Finish
		Refer Table-1	Refer Table-2

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Proprietary Part Number (MIL 5015)

IMS25042- 18- W- F- 01 -4

- Length In Inches
- Dash No. Ring or EyeLet TABLE II, III, IV, V
- 25042:- Plug Dust Cap
- Shell Size (TABLE-I)
- Type Of Attachment
  D-Bead Chain Passivated
  F-Wire Rope With Teflon Jacket
  G-Nylon Cord
  GL-Nylon Cord With Lug End
  S-Sash Chain Pasivated
  N-No Attachment
  H-Wire Rope With Nylon Jacket
- Class
  Aluminium
  CB - Electroless Nickel
  TN - PTFE Nickel Plating
  W - Cadmium Olive Drab
  EB - Cad.Free Zinc Cobolt- Olive Drab Finish
  FB - Cad. Free Zinc Cobolt- Black Finish



Dash No.	`K'-DIA
01	0.140 (3.6)
02	0.182 (4.6)
03	0.191 (4.9)
04	0.197 (5.0)
05	0.167 (4.2)
06	0.125 (3.3)
07	0.218 (5.5)
09	0.156 (4.0)
00	NO EYELET

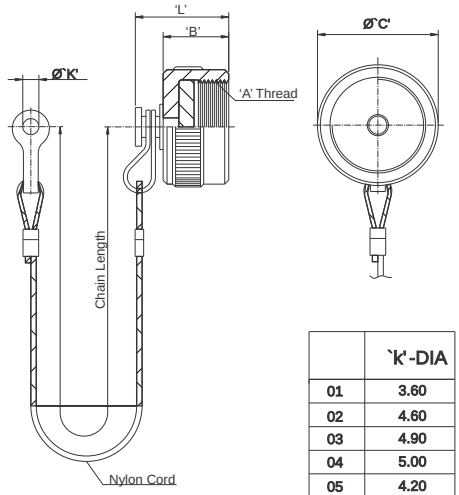
Table- II

Shell Size	'A' Thread	'B' Max.	'C' Max.	'L' Max.
10SL	5/8"-24NEF	16.67	17.44	24.61
12S/12	3/4"-20UNEF	21.44	20.63	29.36
14S	7/8"-20UNEF		23.79	
16S/16	1-20"UNEF		26.97	
18	1 1/8"-18NEF		30.14	
20	1 1/4"-18NEF		33.32	
22	1 3/8"-18NEF		36.49	
24	1 1/2"-18UNEF		39.67	
28	1 3/4"-18NS		46.02	
32	2-18"UNS		52.37	
36	2 1/4"-16UN	21.44	58.72	29.36

Table- I

IMS25043- 18- W- F- 01 -4

- Length In Inches
- Dash No. EyeLet or Ring TABLE II,III
- 25043:- Receptacle Dust Cap
- Shell Size (TABLE-I)
- Type Of Attachment
  D-Bead Chain Passivated
  F-Wire Rope With Teflon Jacket
  G-Nylon Cord
  GL-Nylon Cord With Lug End
  S-Sash Chain Pasivated
  N-No Attachment
  H-Wire Rope With Nylon Jacket
- Class Aluminium
  A- Hard Anodic
  B- Zinc Nickel Finish
  F- 48 Hrs. Electroless Nickel
  T- PTFE Nickel Plating
  W - 500 Hrs. Cadmium Olive Drab
  EB - Cad.Free Zinc Cobolt- Olive Drab Finish
  FB - Cad. Free Zinc Cobolt- Black Finish
  SD- Zinc Nickel finish (Black)
  Class Stainless Steel -Ss304
  CD - PAssivated

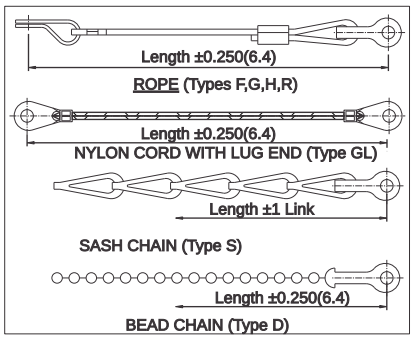


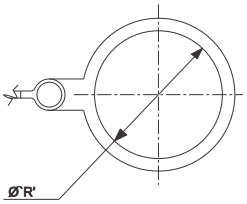
	`k'-DIA
01	3.60
02	4.60
03	4.90
04	5.00
05	4.20
06	3.30
07	5.50
09	4.00
00	NO EYELET

Table- II

Shell Size	'A' Thread	'B' Max.	'C' Max.	'L' Max.
10SL	5/8"-24NEF	11.91	20.70	19.05
12S/12	3/4"-20UNEF		25.40	
14S	7/8"-20UNEF		28.57	
16S/16	1-20"UNEF		30.17	
18	1 1/8"-18NEF		34.13	
20	1 1/4"-18NEF		37.31	
22	1 3/8"-18NEF		40.48	
24	1 1/2"-18UNEF		43.66	19.05
28	1 3/4"-18NS	13.48	50.00	20.62
32	2-18"UNS	13.48	56.36	20.62
36	2 1/4"-16UN	13.48	62.71	20.62

Table- I





SOLID RING-STYLE A

Dash No.	ØR ±0.4	Dash No.	ØR ±0.4
50	10.8	74	41.3
52	12.3	76	44.5
54	16.3	78	47.6
56	19.1	80	50.3
58	22.6	82	52.3
60	25.8	84	56.8
62	27.8	86	58.7
64	28.7	88	62.9
66	31.8	90	67.4
68	34.3	92	71.4
70	35.3	94	77.3
72	37.7		

Table- V

Dash No.	ØR ±0.4	Dash No.	ØR ±0.4
08	11.9	24	37.7
10	15.1	25	40.1
12	18.2	27	41.7
13	19.4	28	42.8
14	21.4	29	44.8
15	22.6	30	48.0
16	24.6	31	49.6
17	25.8	32	50.0
18	27.8	33	52.8
19	29.0	35	54.4
20	30.6	36	55.5
21	32.1	40	61.1
22	34.1	44	67.5
23	36.9	48	77.0
		118	7.9

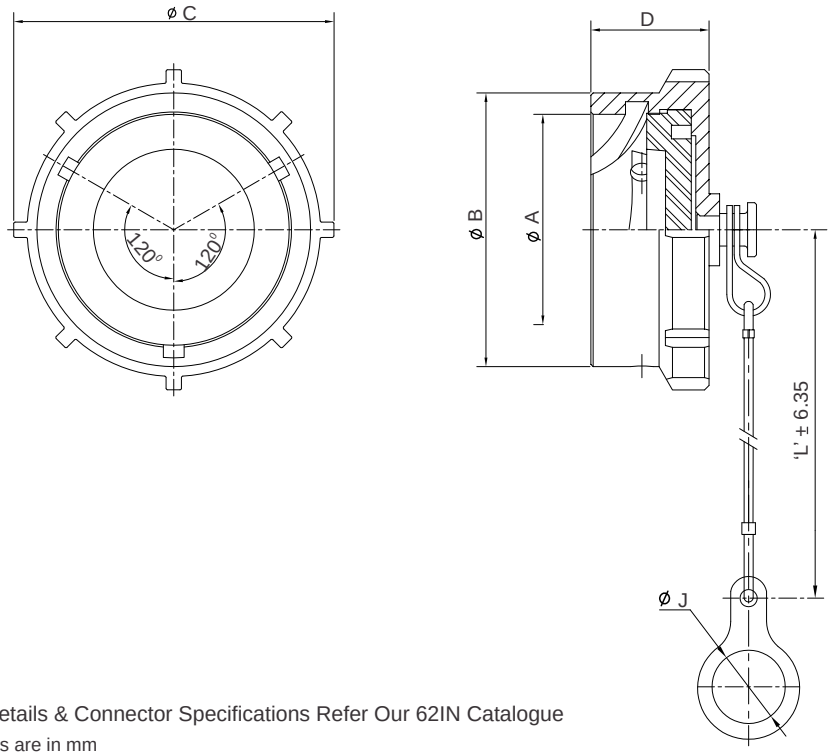
Table- IV

Dash No.	ØR ±0.4	Dash No.	ØR ±0.4
095	7.9	109	32.2
100	9.9	209	33.3
101	13.1	110	35.3
102	14.8	210	36.5
103	16.3	111	38.6
104	18.0	211	39.0
105	19.5	112	41.7
205	20.0	113	44.9
106	22.2	213	46.0
206	23.0	114	48.0
107	25.8	214	49.2
207	26.0	115	52.8
108	29.0	116	61.1
308	30.2	117	63.8
208	30.6		

Table- III

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



For Other Details & Connector Specifications Refer 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	88.90
14	22.48	27.90	32.19		25.81	
16	25.05	31.07	36.94		28.99	
18	28.85	33.33	39.70		32.16	
20	32.0	36.89	42.85		35.35	101.60
22	35.18	40.06	45.65		38.51	
24	38.35	43.14	48.82	14.15	41.68	

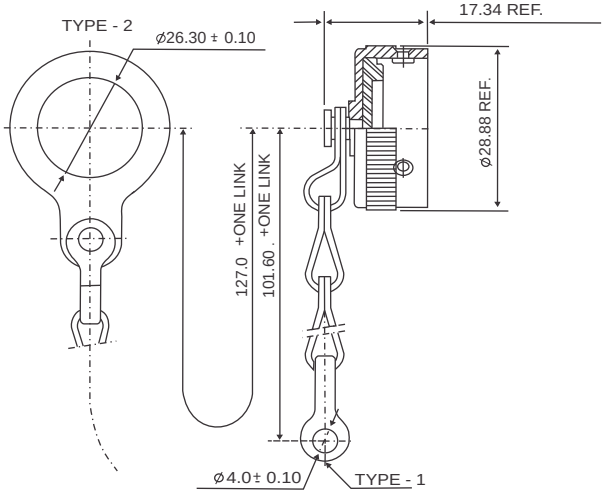
All Dimensions for reference only

Ordering Information

62IN-1069-10-XXX

- Series
- D/Cap Type
- Shell Size
- Plating Finish

MIL-C 1054 Dust Cap for 10 Pin Audio Connector



All dimensions in mm

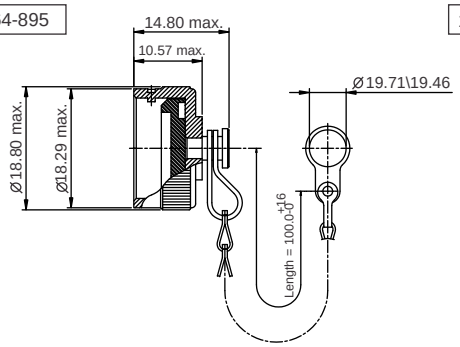
Table 1

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

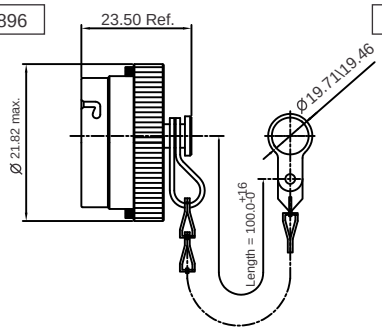
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MIL DTL - 55116 Protective Caps For Audio connector (5 & 6 Pin)

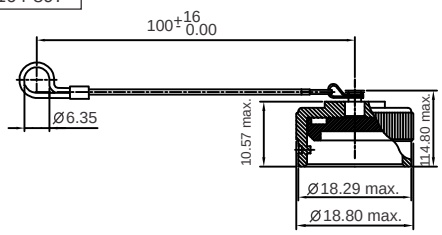
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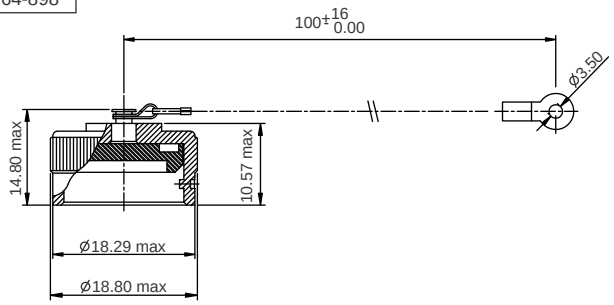
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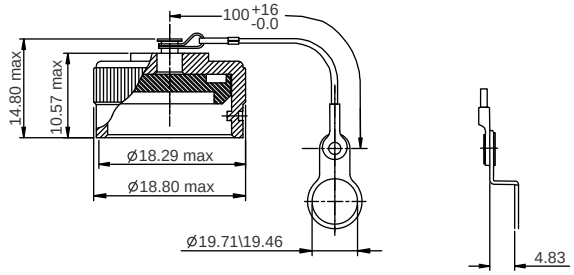
164-897



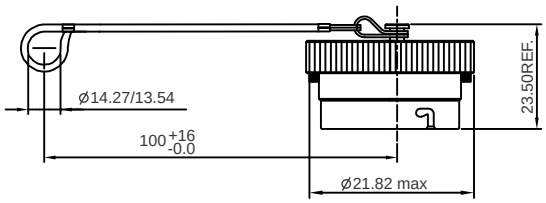
164-898



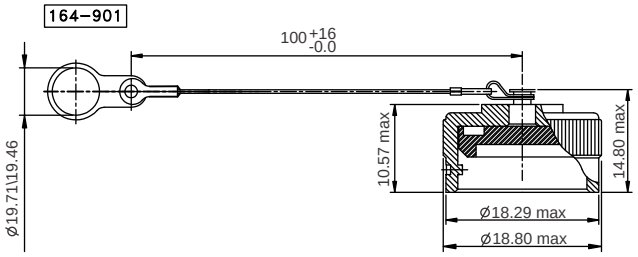
164-899



164-900



164-901



ORDERING INFORMATION FOR 164 DUST CAP

164 — Series Designation
164. MIL 55116 Audio Connector Caps

895 — Shell Style

CD — **Finish**
Standard Black anodic caps
714 - Cadmium olive green finish
622 - Zn Co olive green finish
624 - Zn Co black finish

LXX — Special Deviation for length for standard none for Non std. mention length in mm

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

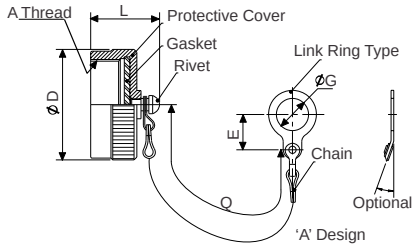
901:-Receptacle dust caps for 5 & 6 pin audio connector with nylon rope & solid ring

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

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Receptacle Dustcap (AQWLD-17349)

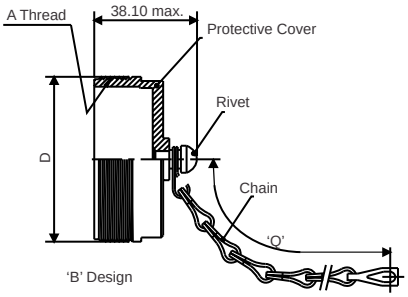


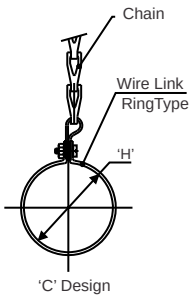
All dimensions are in mm

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	24.90	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		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

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	
AQWLD-17350C22*	MS17350C22*	1.500"-0.1P-0.2L-DS	39.70	37.30	152.40
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

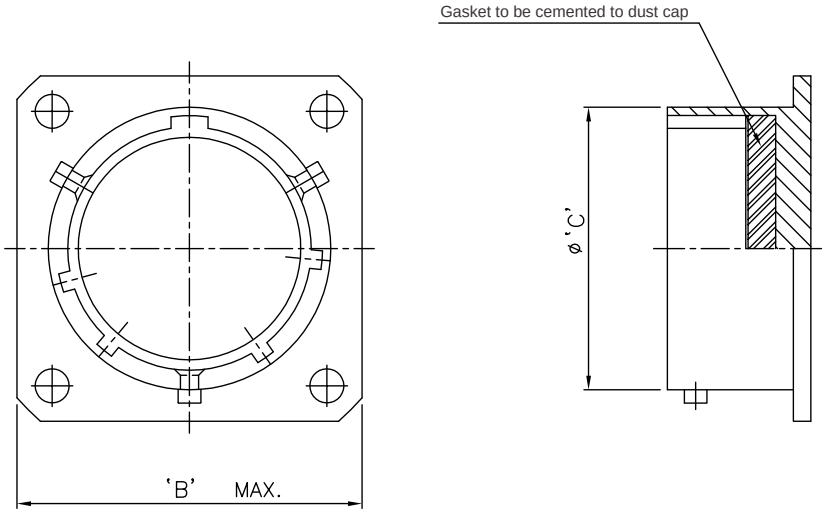
Design
A - Chain & mounting ring
B - Chain without ring
C - Chain with clip

Ordering Information

AQWLD 49 C 20 A

- Series
- Type
- Finish
- Size
- Design

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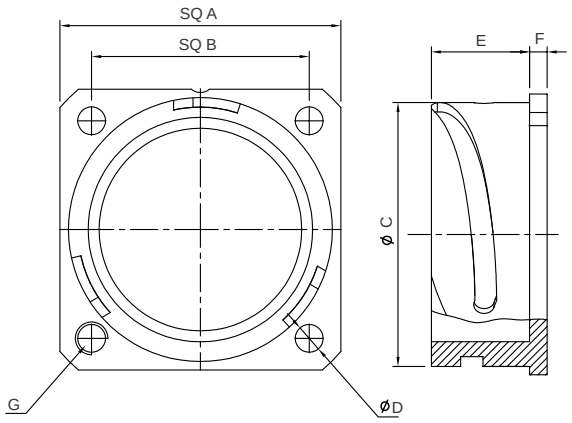
Shell Size	'B' Sq.	'C' ±0.08
08	20.62	11.96
10	23.80	14.94
12	26.59	18.97
14	28.58	22.17
16	31.34	25.32
18	33.32	28.52
20	36.50	31.70
22	39.67	34.87
24	42.85	38.05.

62IN-3115-XX-XY

- Series
- Plating Finish
- Shell size
- Description code

MIL 5015 Dummy Receptacle Bayonet

Front Panel Mounting Dummy Receptacles Rear Side Closed



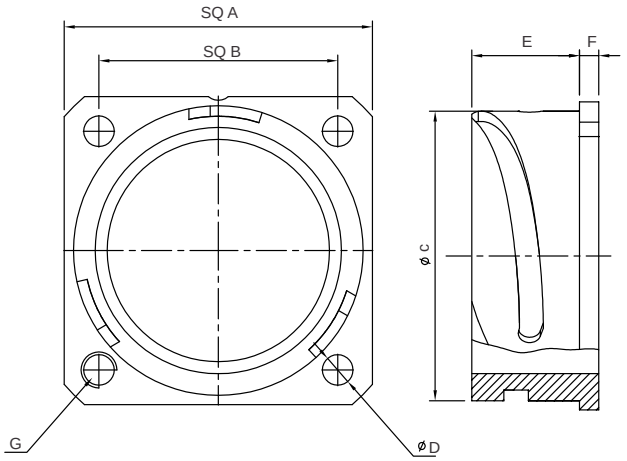
Part No.	'A' + 018 -0.20	'B' ±0.13	Ø'C' +0.00 -0.13	Ø'D' +0.10 -0.00	'E' +0.30 -0.00	'F' +0.18	'G'
97B-3105-10SL-CF	25.40	18.20	18.20	3.20	14.20	2.80	M4
97B-3105-14SL-CF	30.00	23.00	23.00	3.20	14.20	3.20	M4
97B-3105-16SL-CF	32.50	24.60	24.60	3.20	14.20	3.20	M4
97B-3105-16-CF	32.50	24.60	24.60	3.20	19.00	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

97B-3105-10SL-CF-T4-R

- Connector Series
- Dummy Receptacle
- Shell Size
- CF - Closed Flange. HF - Hollow Flange
- Tapped Flange Holes (Standard Thru Holes)
- Rear Mount (Standard Front Mount)

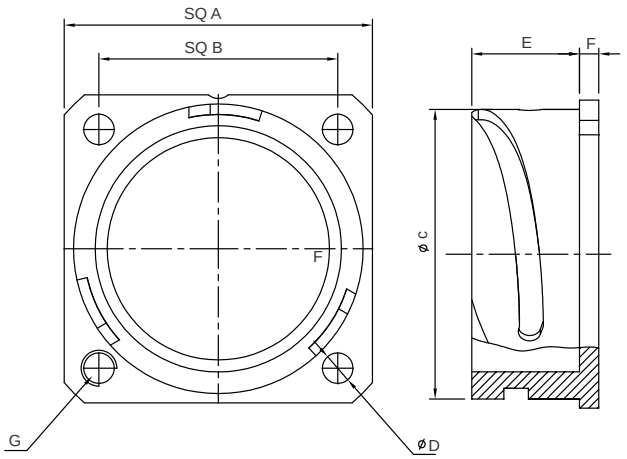
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Front Panel Mounting Dummy Receptacles Rear Side Opened



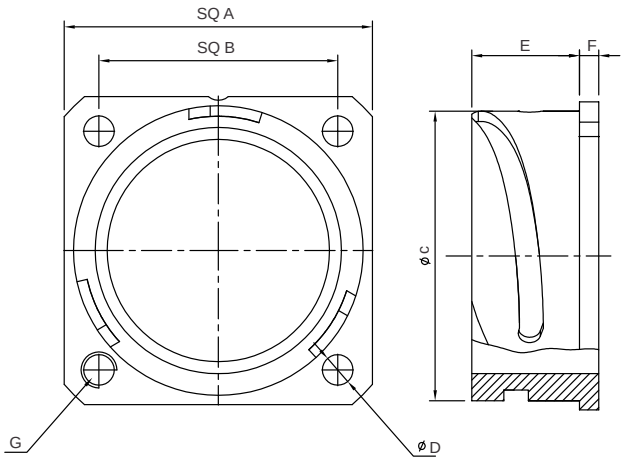
Part No.	'A' +.018 -0.20	'B' ±0.13	ø'C' +0.00 -0.13	ø'D' +0.10 -0.00	'E' +0.30 -0.00	'F' ±0.18	'G'
97B-3105-10SL-HF	25.40	18.20	18.20	3.20	14.20	2.80	M4
97B-3105-14SL-HF	30.00	23.00	23.00	3.20	14.20	3.20	M4
97B-3105-16SL-HF	32.50	24.60	24.60	3.20	14.20	3.20	M4
97B-3105-16-HF	32.50	24.60	24.60	3.20	19.00	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' +.018 -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

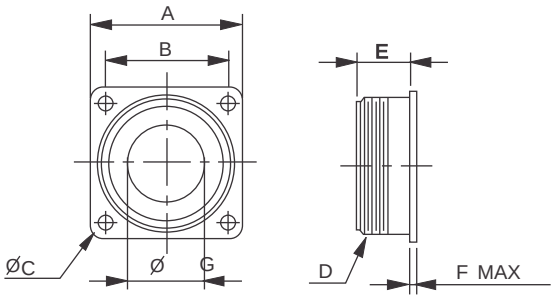
Front Back Mounting Dummy Receptacles Rear Side Opened



Part No.	'A' +.018 -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

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Other Accessories Dummy Receptacle MS-3105



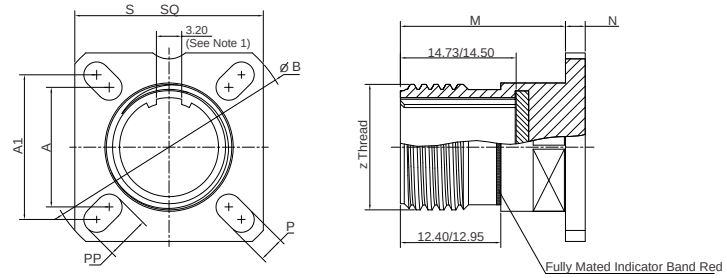
All dimensions are in mm

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.

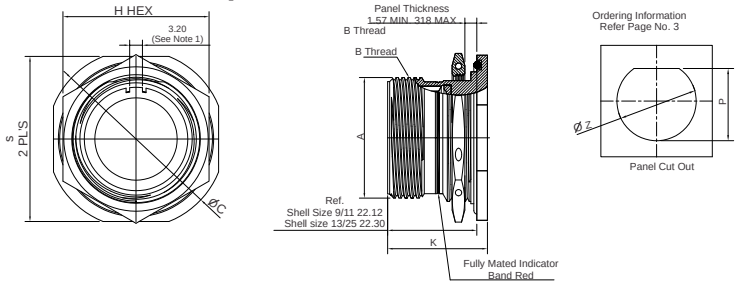
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Wall Mounting Receptacle



SHELL SIZE	MIL CODE	A	A1	B ±0.20	M	N	P ±0.20	PP ±0.20	S MAX.	'Z' –2A R.H. THREAD
09	A	15.09	18.26	31.75	20.83	2.50	3.25	4.93	24.10	5/8" 0.1P–.3L–TS
	A1									
	A2									
11	B	18.26	20.62	34.93					26.50	3/4" 0.1P–.3L–TS
13	C	20.62	23.01	38.10					28.90	7/8" 0.1P–.3L–TS
15	D	23.01	24.61	41.28					31.30	1.0" 0.1P–.3L–TS
17	E	24.61	26.97	44.45					33.70	1 3/16" 0.1P–.3L–TS
19	F	26.97	29.36	47.63					36.90	1 1/4" 0.1P–.3L–TS
21	G	29.36	31.75	50.80	20.07	3.20	3.91	6.15	40.10	1 3/8" 0.1P–.3L–TS
23	H	31.75	34.93	55.58					43.30	1 1/2" 0.1P–.3L–TS
25	J	34.93	38.10	60.33					46.40	1 5/8" 0.1P–.3L–TS

Jam Nut Receptacle



SHELL SIZE	A –0.25	B THRAD CLASS 2A 01P–03L–TS	C MAX.	H HEX. +0.43 –0.41	ØZ +0.25	P	S±0.25	K±0.25
09	16.99	.6250	30.45	22.23	17.6	16.7	26.97	24.77
11	19.53	.7500	35.2	25.4	20.96	19.59	31.75	24.77
13	24.26	.8750	38.38	30.18	25.65	24.26	34.93	24.94
15	27.53	1.0000	41.55	33.32	28.83	27.56	38.10	24.94
17	30.68	1.1875	44.73	36.53	32.01	30.73	41.28	24.94
19	33.86	1.2500	49.5	39.67	35.18	33.91	46.02	25.73
21	37.06	1.3750	52.65	42.80	38.35	37.08	49.23	25.73
23	40.01	1.5000	55.85	46.02	41.53	40.26	52.37	25.73
25	43.41	1.6250	59.0	50.8	44.70	43.43	55.58	25.73

Ordering Information: (MIL - Grade)

JAND38999/ 22 B W

- DOD number prefix
- Specification Sheet Number
  22-Wall Mount Dummy
  Rec. Shell
- Shell Size Code:
  (For S/Size codes A, A1 & A2
  See note) A. A1, A2, B, C, D,
  E, F, G, H & J
- Class & Finish
  - Finish For Aluminium
    F-Electroless Nickel Finish
    W-Cadmium Olive Drab Finish
    Z-Zinc Nickel Black Finish

* Note: For shell size 9 only
a) Shell size code 'A' is for universal configuration for use with plugs with mating key polarizations A, B, C, D, E & N.
b) Shell size code 'A1' is for use with plugs with mating key polarizations C, E & N.
c) Shell size code 'A2' is for use with plugs with mating key polarizations A, B & D.

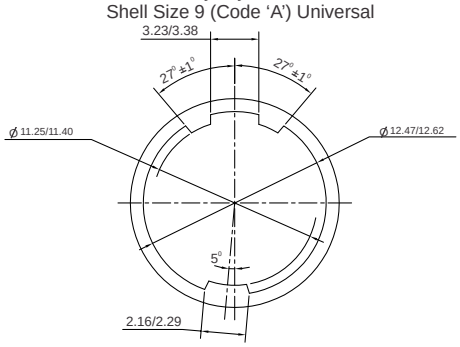
Ordering Information: (Proprietary)

ITV 22 -09*XX-W

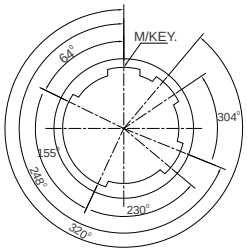
- Proprietary number prefix
- Specification sheet number
  22-Wall Mount Dummy R/Shell
  13-Jam Nut Dummy R/Shell
- Shell Size: 9A, 9A1, 9A2, 11,
  13, 15,17, 19, 21, 23 & 25
- (Neglect for Aluminium Shell)
  Material Codes:
  SS-Stainless Steel
  CO-Composite
  NB-Nickel Aluminium Bronze
- Finish for Aluminium:
  A-Hard Anodic
  B-Zinc Nickel Finish
  F-Electroless Nickel
  W-Cadmium Olive Drab
  EB-Zinc Cobalt-Olive Drab Finish
  FB-Zinc Cobalt-Black Finish
  Finish for Stainless Steel:
  CD-S.steel Passivated
  CB-Electroless Nickel

* Note: For shell size 9 only
Shell size code 'A' is for universal key orientation
Shell size code 'A1' is for use universal key orientation 'C' 'E' & 'N'
Shell size code 'A2' is for use universal key orientation 'A' 'B' & 'D'

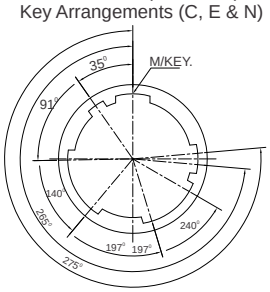
Keyway Detail
Shell Size 9 (Code 'A') Universal

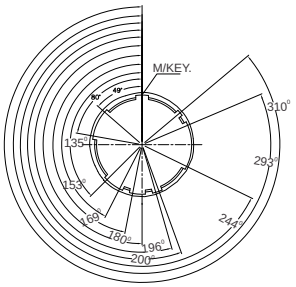


Keyway Detail
Shell Size 9 (Code 'A2')
Key Arrangements (A, B & D)

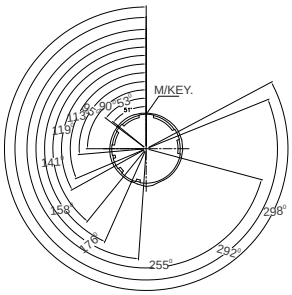


Keyway Detail
Shell Size 9 (Code 'A1')
Key Arrangements (C, E & N)



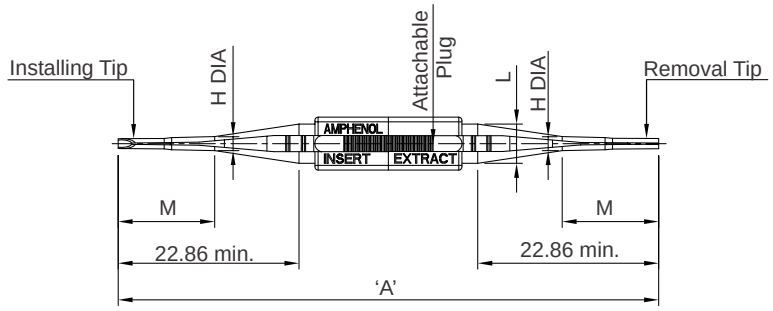


Keyway Detail
Shell Size 17, 19, 21, 23 & 25
Key Arrangements (A, B, C D, E & N)



Keyway Detail
Shell Size 11, 13 & 15
Key Arrangements (A, B, C D, E & N)

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Ordering Information

IRT - XXX - XX

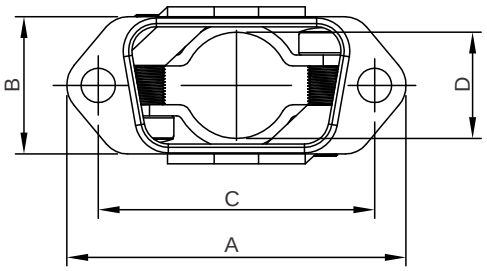
- Insertion & Removal Tool
- Contact Size
- Colour Code

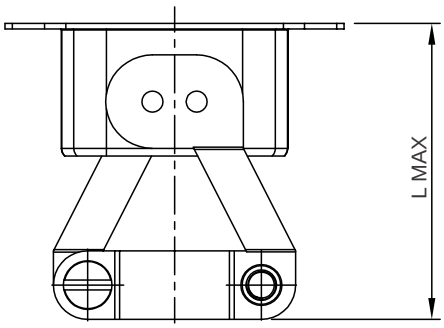
SR. NO	MIL Part Number	Amphenol Part Number	Contact Size	Colour Code		'A' max.	'M' min.	'L' max.	'H' max.
				Installing Tip	Removal Tip				
1	M81969/14-01	IRT - 22D -GW	22D	Green	White	114.0	15.24	7.36	2.28
2	M81969/14-11	IRT - 20 -RW	20	Red	White	114.0	19.30	7.36	3.81
3	M81969/14-10	IRT - 20 -RO	20	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

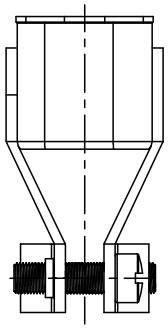
Backshell for D - SUB (M24308) Connector

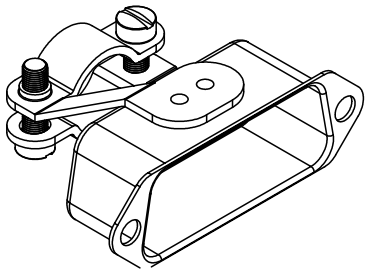
Backshell For D- Sub (M24308) Connector

A. Metallic Straight Cable Housing With Cable Clamp









Ordering Information

M2000/48 - 2 - X - XX

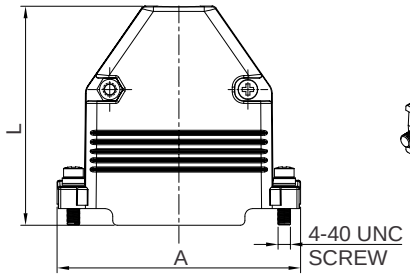
- SERIES No.
- DASH No.
- SHELL SIZE
- FINISH DESIGNATOR

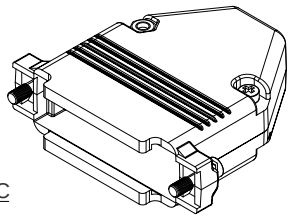
FINISH : F - CADMIUM PLATE WITH YELLOW PASSIVATION
Z - ZINC PLATE WITH YELLOW PASSIVATION
TI - TIN PLATED

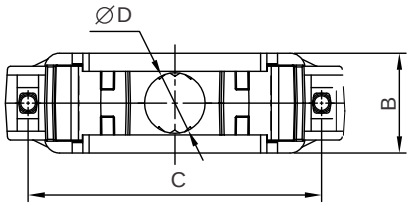
Sr.No.	MIL Part No.	SHELL SIZE	No. of PINS DENSITY		A	B	C	D max	L max
			STD	HIGH					
1	M2000/48-2-1Z	1	9	15	30.70	12.40	24.99	10.30	27.80
2	M2000/48-2-2Z	2	15	26	39.00	12.40	33.32	10.30	27.80
3	M2000/48-2-3Z	3	25	44	52.90	12.40	47.04	15.10	28.60
4	M2000/48-2-4Z	4	37	62	69.20	12.40	63.50	18.30	28.60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

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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

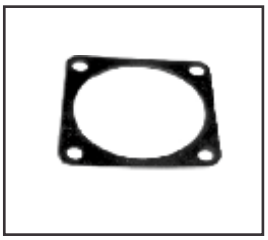
* For angle entry please contact factory.

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

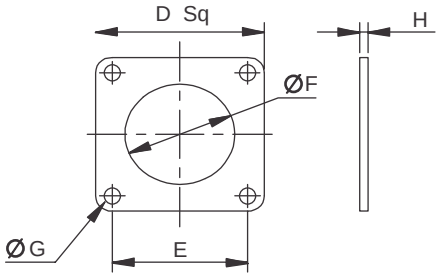
For nickel plated no suffix is required.

Flange Mounting Gasket

(Replace XX With The Required Shell Size)



62IN-760-XX

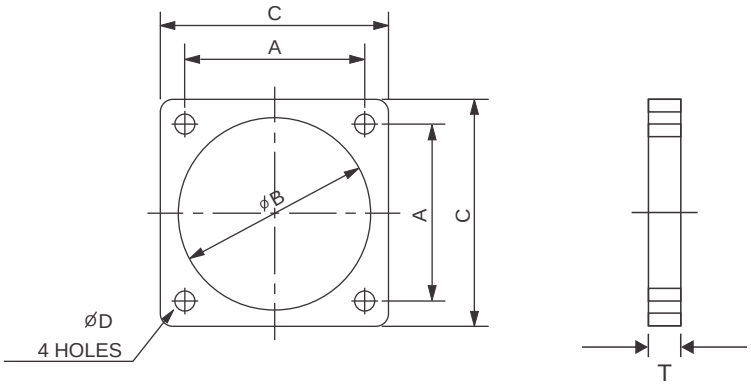


All dimensions in mm

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

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Other Accessories
Plain Flat Gasket
For MS & 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 0717 supercedes all existing Amphenol literature on Dust Cap Accessory Series Connectors.

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