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AS85049™/5

RATIONALE

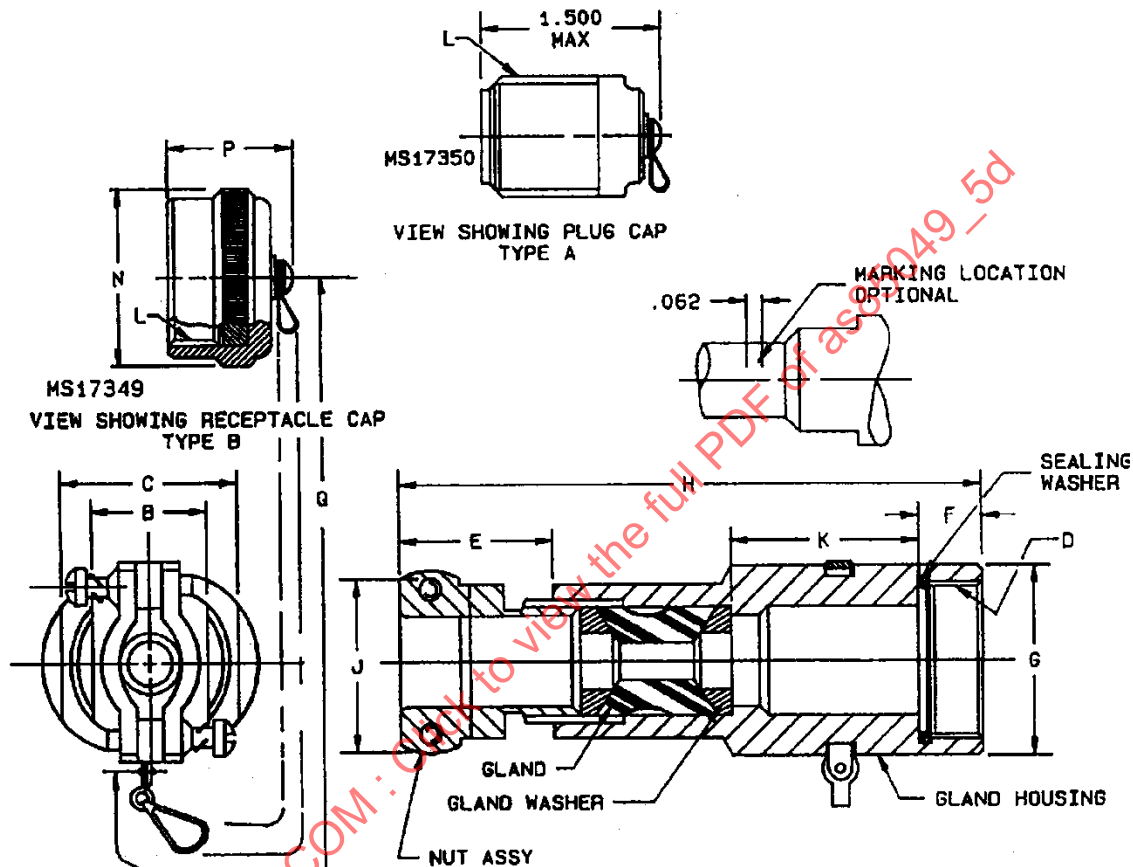
FEDERAL SUPPLY CLASS
5935

REVISION IS REQUIRED TO CHANGE MULTIPLE "L" THREAD AND "D" THREAD DIMENSIONS, MAKE EDITORIAL CHANGES TO TABLES 1, 2, AND 3 AND APPLICATION NOTES, AND TO MAKE CHANGES TO THE REQUIREMENTS SECTION.

AS85049/5D HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

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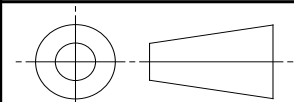


CONFIGURATION 1A - STYLE 1 CABLE SEALING

FIGURE 1 - CONFIGURATIONS AND DIMENSIONS

For more information on this standard, visit
<https://www.sae.org/standards/content/AS85049/5D/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS85049



AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL
CABLE SEALING, STRAIGHT, STEP-DOWN, CATEGORY 1A
(FOR MIL-DTL-22992 CONNECTORS, CLASSES C, J, AND R)

AS85049™/5
SHEET 1 OF 12

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ISSUED 2000-04 REVISED 2019-12 REAFFIRMED 2025-02

CONFIGURATION 1A - STYLE 1 CABLE SEALING (CONTINUED)

TABLE 1 - FIGURE 1 CONFIGURATION AND DIMENSIONS

SIZE NO.	SHELL SIZE	CABLE RANGE (SEE DESIGN REQ)		B +.000 -.010	C +.000 -.010	D THREAD CLASS 2B-LH	E FREE LENGTH MAX	F +.016/- .000	G DIA +.010 -.020
		MIN	MAX						
1	12	.156 (3.96)	.250 (6.35)	.625 (15.88)	.812 (20.62)	.750-20 UNEF	.906 (23.01)	.479 (12.17)	.938 (23.83)
2	18	.281 (7.14)	.375 (9.53)	.750 (19.05)	1.125 (28.58)	1.125-18 UNEF	.969 (24.61)	.479 (12.17)	1.312 (33.32)
3	18	.281 (7.14)	.375 (9.53)	.875 (22.23)	1.125 (28.58)	1.125-18 UNEF	.969 (24.61)	.479 (12.17)	1.312 (33.32)
4	18	.188 (4.78)	.281 (7.14)	.750 (19.05)	1.125 (28.58)	1.125-18 UNEF	.969 (24.61)	.479 (12.17)	1.312 (33.32)
5	18	.511 (12.98)	.605 (15.37)	1.000 (25.40)	1.125 (28.58)	1.125-18 UNEF	1.062 (26.97)	.479 (12.17)	1.312 (33.32)
6	18	.436 (11.07)	.530 (13.46)	1.000 (25.40)	1.125 (28.58)	1.125-18 UNEF	1.062 (26.97)	.479 (12.17)	1.312 (33.32)
7	20	.605 (15.37)	.699 (17.75)	1.062 (26.97)	1.250 (31.75)	1.250-18 UNEF	1.062 (26.97)	.479 (12.17)	1.438 (36.53)
8	20	.361 (9.17)	.455 (11.56)	1.062 (26.97)	1.250 (31.75)	1.250-18 UNEF	1.062 (26.97)	.479 (12.17)	1.438 (36.53)
9	20	.511 (12.98)	.605 (15.37)	1.000 (25.40)	1.250 (31.75)	1.250-18 UNEF	1.062 (26.97)	.479 (12.17)	1.438 (36.53)
10	22	.449 (11.40)	.562 (14.27)	1.188 (30.18)	1.406 (35.71)	1.375-18 UNEF	1.094 (27.79)	.479 (12.17)	1.562 (39.67)
11	22	.311 (7.90)	.405 (10.29)	1.000 (25.40)	1.375 (34.93)	1.375-18 UNEF	1.062 (26.97)	.479 (12.17)	1.562 (39.67)
12	22	.715 (18.16)	.828 (21.03)	1.188 (30.18)	1.406 (35.71)	1.375-18 UNEF	1.094 (27.79)	.479 (12.17)	1.562 (39.67)
13	24	.787 (19.99)	.900 (22.86)	1.312 (33.32)	1.625 (41.28)	1.625-18 UNEF	1.094 (27.79)	.479 (12.17)	1.812 (46.02)
14	24	.517 (13.14)	.630 (16.00)	1.312 (33.32)	1.625 (41.28)	1.625-18 UNEF	1.094 (27.79)	.479 (12.17)	1.812 (46.02)
15	24	.637 (16.18)	.750 (19.05)	1.312 (33.32)	1.625 (41.28)	1.625-18 UNEF	1.094 (27.79)	.479 (12.17)	1.812 (46.02)
16	24	.857 (21.77)	.970 (24.64)	1.312 (33.32)	1.625 (41.28)	1.625-18 UNEF	1.094 (27.79)	.479 (12.17)	1.812 (46.02)
17	24	.715 (18.16)	.828 (21.03)	1.188 (30.18)	1.625 (41.28)	1.625-18 UNEF	1.094 (27.79)	.479 (12.17)	1.812 (46.02)
18	24	.692 (17.58)	.805 (20.45)	1.312 (33.32)	1.625 (41.28)	1.625-18 UNEF	1.094 (27.79)	.479 (12.17)	1.812 (46.02)
19	28	.755 (19.18)	.880 (22.35)	1.546 (39.27)	1.875 (47.63)	1.875-16 UN	1.281 (32.54)	.479 (12.17)	2.062 (52.37)
20	28	.984 (24.99)	1.109 (28.17)	1.546 (39.27)	1.875 (47.63)	1.875-16 UN	1.281 (32.54)	.479 (12.17)	2.062 (52.37)
21	28	.637 (16.18)	.750 (19.05)	1.312 (33.32)	1.875 (47.63)	1.875-16 UN	1.094 (27.79)	.479 (12.17)	2.062 (52.37)
22	28	.281 (7.14)	.375 (9.53)	.875 (22.23)	1.875 (47.63)	1.875-16 UN	.969 (24.61)	.479 (12.17)	2.062 (52.37)
23	28	.857 (21.77)	.970 (24.64)	1.312 (33.32)	1.875 (47.63)	1.875-16 UN	1.094 (27.79)	.479 (12.17)	2.062 (52.37)
24	28	.875 (22.23)	1.000 (25.40)	1.546 (39.27)	1.875 (47.63)	1.875-16 UN	1.281 (32.54)	.479 (12.17)	2.062 (52.37)
25	28	.436 (11.07)	.530 (13.46)	1.000 (25.40)	1.812 (46.02)	1.875-16 UN	1.062 (26.97)	.479 (12.17)	2.062 (52.37)
26	28	.567 (14.40)	.680 (17.27)	1.312 (33.32)	1.875 (47.63)	1.875-16 UN	1.094 (27.79)	.479 (12.17)	2.062 (52.37)
27	32	.930 (23.62)	1.055 (26.80)	1.546 (39.27)	2.062 (52.37)	2.062-16 UNS	1.281 (32.54)	.479 (12.17)	2.312 (58.72)
28	32	1.150 (29.21)	1.230 (31.24)	1.780 (45.21)	2.062 (52.37)	2.062-16 UNS	1.281 (32.54)	.479 (12.17)	2.312 (58.72)
29	32	.637 (16.18)	.750 (19.05)	1.312 (33.32)	2.062 (52.37)	2.062-16 UNS	1.094 (27.79)	.479 (12.17)	2.312 (58.72)
30	32	.755 (19.18)	.880 (22.35)	1.546 (39.27)	2.062 (52.37)	2.062-16 UNS	1.281 (32.54)	.479 (12.17)	2.312 (58.72)
31	32	.984 (24.99)	1.109 (28.17)	1.546 (39.27)	2.062 (52.37)	2.062-16 UNS	1.281 (32.54)	.479 (12.17)	2.312 (58.72)
32	32	.857 (21.77)	.970 (24.64)	1.312 (33.32)	2.062 (52.37)	2.062-16 UNS	1.094 (27.79)	.479 (12.17)	2.312 (58.72)
33	32	.281 (7.14)	.375 (9.53)	.875 (22.23)	2.062 (52.37)	2.062-16 UNS	.969 (24.61)	.479 (12.17)	2.312 (58.72)
34	32	.436 (11.07)	.530 (13.46)	1.000 (25.40)	2.000 (50.80)	2.062-16 UNS	1.062 (26.97)	.479 (12.17)	2.312 (58.72)
35	32	1.005 (25.53)	1.130 (28.70)	1.780 (45.21)	2.062 (52.37)	2.062-16 UNS	1.281 (32.54)	.479 (12.17)	2.312 (58.72)
36	36	1.185 (30.10)	1.310 (33.27)	1.780 (45.21)	2.312 (58.72)	2.312-16 UNS	1.281 (32.54)	.479 (12.17)	2.562 (65.07)
37	36	.984 (24.99)	1.109 (28.17)	1.546 (39.27)	2.312 (58.72)	2.312-16 UNS	1.281 (32.54)	.479 (12.17)	2.562 (65.07)
38	36	1.250 (31.75)	1.375 (34.93)	2.000 (50.80)	2.312 (58.72)	2.312-16 UNS	1.281 (32.54)	.479 (12.17)	2.562 (65.07)
39	36	1.055 (26.80)	1.180 (29.97)	1.780 (45.21)	2.312 (58.72)	2.312-16 UNS	1.281 (32.54)	.479 (12.17)	2.562 (65.07)
40	36	1.320 (33.53)	1.445 (36.70)	2.000 (50.80)	2.312 (58.72)	2.312-16 UNS	1.281 (32.54)	.479 (12.17)	2.562 (65.07)
41	36	.857 (21.77)	.970 (24.64)	1.312 (33.32)	2.250 (57.15)	2.312-16 UNS	1.094 (27.79)	.479 (12.17)	2.562 (65.07)
42	36	1.105 (28.07)	1.230 (31.24)	1.780 (45.21)	2.312 (58.72)	2.312-16 UNS	1.281 (32.54)	.479 (12.17)	2.562 (65.07)
43	40	1.815 (46.10)	1.940 (49.28)	2.438 (61.93)	2.750 (69.85)	2.625-16 UN	1.391 (35.33)	.667 (16.94)	2.875 (73.03)
44	40	1.700 (43.18)	1.825 (46.36)	2.438 (61.93)	2.750 (69.85)	2.625-16 UN	1.391 (35.33)	.667 (16.94)	2.875 (73.03)
45	40	1.605 (40.77)	1.730 (43.94)	2.438 (61.93)	2.750 (69.85)	2.625-16 UN	1.391 (35.33)	.667 (16.94)	2.875 (73.03)
46	40	1.531 (38.89)	1.656 (42.06)	2.250 (57.15)	2.750 (69.85)	2.625-16 UN	1.281 (32.54)	.667 (16.94)	2.875 (73.03)
47	44	1.867 (47.42)	2.000 (50.80)	2.750 (69.85)	2.969 (75.41)	2.875-16 UN	1.382 (35.10)	.667 (16.94)	3.125 (79.38)
48	44	1.775 (45.09)	1.900 (48.26)	2.438 (61.93)	2.812 (71.42)	2.875-16 UN	1.382 (35.10)	.667 (16.94)	3.125 (79.38)



AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL
CABLE SEALING, STRAIGHT, STEP-DOWN, CATEGORY 1A
(FOR MIL-DTL-22992 CONNECTORS, CLASSES C, J, AND R)

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CONFIGURATION 1A - STYLE 1 CABLE SEALING (CONTINUED)

TABLE 1 - FIGURE 1 CONFIGURATION AND DIMENSIONS (CONTINUED)

SIZE NO.	SHELL SIZE	H MAX	J ±.031	K +.015 -.025	L THREAD (PLATED) CLASS 2 (A OR B)	N DIA MAX	P MAX	Q WITHIN ONE LINK
1	12	3.182 (80.82)	.938 (23.83)	.563 (14.30)	.875-0.1P-0.2L-DS	1.094 (27.79)	.765 (19.43)	5.00 (127.00)
2	18	3.901 (99.09)	1.062 (26.97)	1.157 (29.39)	1.250-0.1P-0.2L-DS	1.469 (37.31)	.980 (24.89)	5.00 (127.00)
3	18	3.932 (99.87)	1.125 (28.58)	1.125 (28.58)	1.250-0.1P-0.2L-DS	1.469 (37.31)	.980 (24.89)	5.00 (127.00)
4	18	3.901 (99.09)	1.062 (26.97)	1.157 (29.39)	1.250-0.1P-0.2L-DS	1.469 (37.31)	.980 (24.89)	5.00 (127.00)
5	18	4.177 (106.10)	1.375 (34.93)	1.121 (28.47)	1.250-0.1P-0.2L-DS	1.469 (37.31)	.980 (24.89)	5.00 (127.00)
6	18	4.177 (106.10)	1.375 (34.93)	1.121 (28.47)	1.250-0.1P-0.2L-DS	1.469 (37.31)	.980 (24.89)	5.00 (127.00)
7	20	4.489 (114.02)	1.562 (39.67)	1.371 (34.82)	1.375-0.1P-0.2L-DS	1.562 (39.67)	.980 (24.89)	5.00 (127.00)
8	20	4.489 (114.02)	1.562 (39.67)	1.371 (34.82)	1.375-0.1P-0.2L-DS	1.562 (39.67)	.980 (24.89)	5.00 (127.00)
9	20	4.306 (109.37)	1.375 (34.93)	1.250 (31.75)	1.375-0.1P-0.2L-DS	1.562 (39.67)	.980 (24.89)	5.00 (127.00)
10	22	4.584 (116.43)	1.688 (42.88)	1.343 (34.11)	1.500-0.1P-0.2L-DS	1.688 (42.88)	.980 (24.89)	6.00 (152.40)
11	22	4.306 (109.37)	1.375 (34.93)	1.250 (31.75)	1.500-0.1P-0.2L-DS	1.688 (42.88)	.980 (24.89)	6.00 (152.40)
12	22	4.306 (109.37)	1.375 (34.93)	1.250 (31.75)	1.500-0.1P-0.2L-DS	1.688 (42.88)	.980 (24.89)	6.00 (152.40)
13	24	4.647 (118.03)	1.812 (46.02)	1.371 (34.82)	1.750-0.1P-0.2L-DS	1.938 (49.23)	.980 (24.89)	6.00 (152.40)
14	24	4.647 (118.03)	1.812 (46.02)	1.371 (34.82)	1.750-0.1P-0.2L-DS	1.938 (49.23)	.980 (24.89)	6.00 (152.40)
15	24	4.647 (118.03)	1.812 (46.02)	1.371 (34.82)	1.750-0.1P-0.2L-DS	1.938 (49.23)	.980 (24.89)	6.00 (152.40)
16	24	4.647 (118.03)	1.812 (46.02)	1.371 (34.82)	1.750-0.1P-0.2L-DS	1.938 (49.23)	.980 (24.89)	6.00 (152.40)
17	24	4.542 (115.37)	1.688 (42.88)	1.301 (33.05)	1.750-0.1P-0.2L-DS	1.938 (49.23)	.980 (24.89)	6.00 (152.40)
18	24	4.647 (118.03)	1.812 (46.02)	1.371 (34.82)	1.750-0.1P-0.2L-DS	1.938 (49.23)	.980 (24.89)	6.00 (152.40)
19	28	4.896 (124.36)	2.125 (53.98)	1.371 (34.82)	2.000-0.1P-0.2L-DS	2.219 (56.36)	.980 (24.89)	6.00 (152.40)
20	28	4.896 (124.36)	2.125 (53.98)	1.371 (34.82)	2.000-0.1P-0.2L-DS	2.219 (56.36)	.980 (24.89)	6.00 (152.40)
21	28	4.647 (118.03)	1.812 (46.02)	1.371 (34.82)	2.000-0.1P-0.2L-DS	2.219 (56.36)	.980 (24.89)	6.00 (152.40)
22	28	4.229 (107.42)	1.125 (28.58)	1.422 (36.12)	2.000-0.1P-0.2L-DS	2.219 (56.36)	.980 (24.89)	6.00 (152.40)
23	28	4.647 (118.03)	1.812 (46.02)	1.371 (34.82)	2.000-0.1P-0.2L-DS	2.219 (56.36)	.980 (24.89)	6.00 (152.40)
24	28	4.896 (124.36)	2.125 (53.98)	1.371 (34.82)	2.000-0.1P-0.2L-DS	2.219 (56.36)	.980 (24.89)	6.00 (152.40)
25	28	4.431 (112.55)	1.375 (34.93)	1.375 (34.93)	2.000-0.1P-0.2L-DS	2.219 (56.36)	.980 (24.89)	6.00 (152.40)
26	28	4.647 (118.03)	1.812 (46.02)	1.371 (34.82)	2.000-0.1P-0.2L-DS	2.219 (56.36)	.980 (24.89)	6.00 (152.40)
27	32	4.896 (124.36)	2.125 (53.98)	1.371 (34.82)	2.250-0.1P-0.2L-DS	2.469 (62.71)	.980 (24.89)	6.00 (152.40)
28	32	4.959 (125.96)	2.469 (62.71)	1.372 (34.85)	2.250-0.1P-0.2L-DS	2.469 (62.71)	.980 (24.89)	6.00 (152.40)
29	32	4.647 (118.03)	1.812 (46.02)	1.371 (34.82)	2.250-0.1P-0.2L-DS	2.469 (62.71)	.980 (24.89)	6.00 (152.40)
30	32	4.896 (124.36)	2.125 (53.98)	1.371 (34.82)	2.250-0.1P-0.2L-DS	2.469 (62.71)	.980 (24.89)	6.00 (152.40)
31	32	4.896 (124.36)	2.125 (53.98)	1.371 (34.82)	2.250-0.1P-0.2L-DS	2.469 (62.71)	.980 (24.89)	6.00 (152.40)
32	32	4.647 (118.03)	1.812 (46.02)	1.371 (34.82)	2.250-0.1P-0.2L-DS	2.469 (62.71)	.980 (24.89)	6.00 (152.40)
33	32	4.276 (108.61)	1.125 (28.58)	1.469 (37.31)	2.250-0.1P-0.2L-DS	2.469 (62.71)	.980 (24.89)	6.00 (152.40)
34	32	4.431 (112.55)	1.375 (34.93)	1.375 (34.93)	2.250-0.1P-0.2L-DS	2.469 (62.71)	.980 (24.89)	6.00 (152.40)
35	32	4.959 (125.96)	2.469 (62.71)	1.372 (34.85)	2.250-0.1P-0.2L-DS	2.469 (62.71)	.980 (24.89)	6.00 (152.40)
36	36	4.959 (125.96)	2.469 (62.71)	1.372 (34.85)	2.500-0.1P-0.2L-DS	2.719 (69.06)	.980 (24.89)	6.00 (152.40)
37	36	4.896 (124.36)	2.125 (53.98)	1.371 (34.82)	2.500-0.1P-0.2L-DS	2.719 (69.06)	.980 (24.89)	6.00 (152.40)
38	36	5.021 (127.53)	2.625 (66.68)	1.371 (34.82)	2.500-0.1P-0.2L-DS	2.719 (69.06)	.980 (24.89)	6.00 (152.40)
39	36	4.959 (125.96)	2.469 (62.71)	1.372 (34.85)	2.500-0.1P-0.2L-DS	2.719 (69.06)	.980 (24.89)	6.00 (152.40)
40	36	5.021 (127.53)	2.625 (66.68)	1.371 (34.82)	2.500-0.1P-0.2L-DS	2.719 (69.06)	.980 (24.89)	6.00 (152.40)
41	36	4.651 (118.14)	1.812 (46.02)	1.375 (34.93)	2.500-0.1P-0.2L-DS	2.719 (69.06)	.980 (24.89)	6.00 (152.40)
42	36	4.959 (125.96)	2.469 (62.71)	1.372 (34.85)	2.500-0.1P-0.2L-DS	2.719 (69.06)	.980 (24.89)	6.00 (152.40)
43	40	6.354 (161.39)	3.171 (80.54)	2.156 (54.76)	2.750-0.1P-0.2L-DS	2.969 (75.41)	.980 (24.89)	6.00 (152.40)
44	40	6.354 (161.39)	3.171 (80.54)	2.156 (54.76)	2.750-0.1P-0.2L-DS	2.969 (75.41)	.980 (24.89)	6.00 (152.40)
45	40	6.354 (161.39)	3.171 (80.54)	2.156 (54.76)	2.750-0.1P-0.2L-DS	2.969 (75.41)	.980 (24.89)	6.00 (152.40)
46	40	6.057 (153.85)	2.953 (75.01)	2.156 (54.76)	2.750-0.1P-0.2L-DS	2.969 (75.41)	.980 (24.89)	6.00 (152.40)
47	44	6.345 (161.16)	3.375 (85.73)	2.156 (54.76)	3.000-0.1P-0.2L-DS	3.217 (81.71)	.980 (24.89)	6.00 (152.40)
48	44	5.266 (133.76)	3.171 (80.54)	1.078 (27.38)	3.000-0.1P-0.2L-DS	3.217 (81.71)	.980 (24.89)	6.00 (152.40)

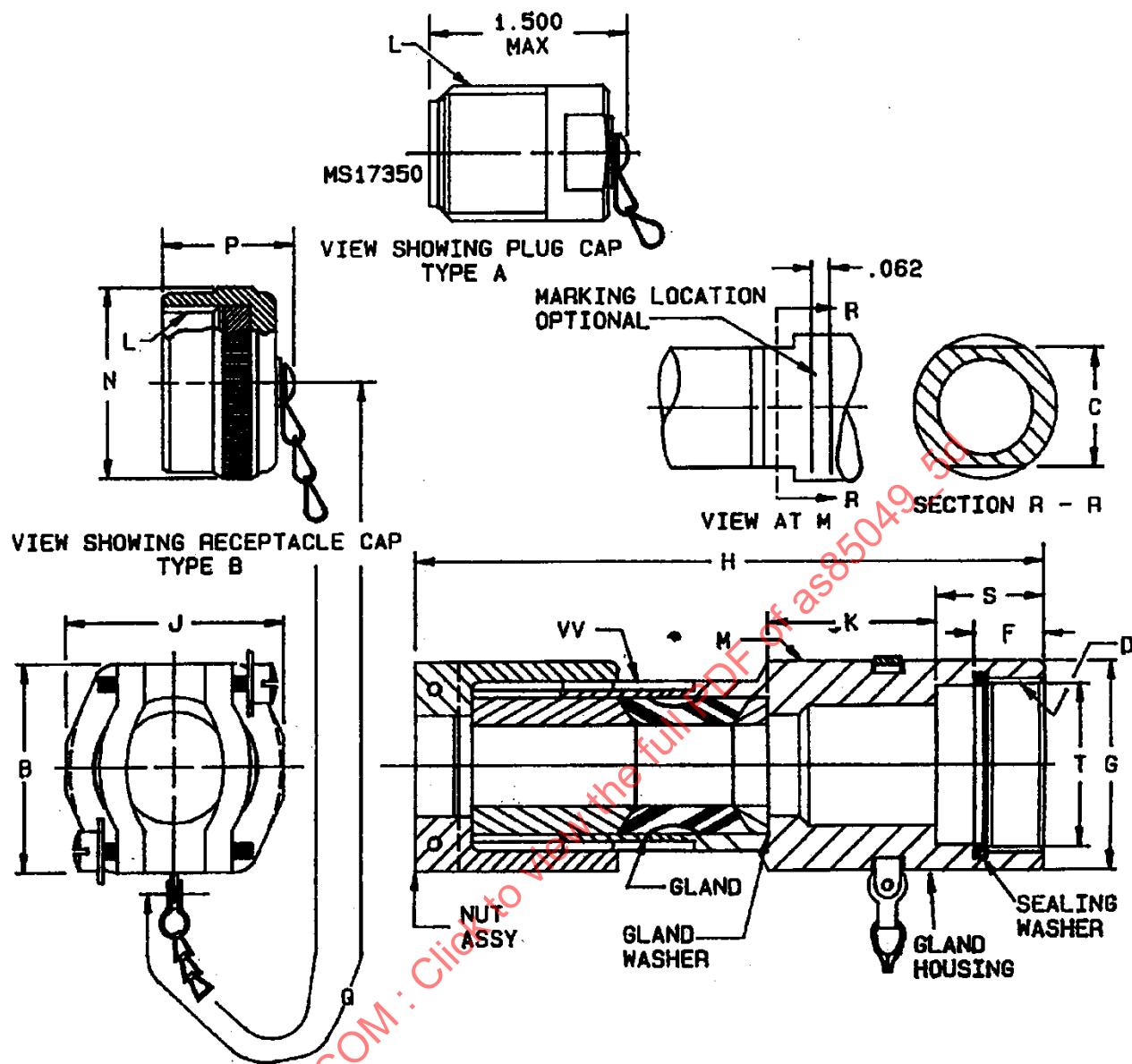


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**REV.
D**



CONFIGURATION 1B - STYLE 2 CABLE SEALING

FIGURE 1 - CONFIGURATIONS AND DIMENSIONS (CONTINUED)



AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL
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CONFIGURATION 1B - STYLE 2 CABLE SEALING (CONTINUED)

TABLE 2 - FIGURE 1 CONFIGURATIONS AND DIMENSIONS

SIZE NO.	SHELL SIZE	CABLE RANGE (SEE DESIGN REQ)		B ±.005	C +.000 -.010	D THREAD CLASS 2B-LH	F +.016/- .000	G DIA +.010 -.020	H MAX	J MAX
		MIN	MAX							
1	12	.130 (3.30)	.280 (7.11)	.969 (24.61)	.812 (20.62)	.750-20 UNEF	.479 (12.17)	.938 (23.83)	4.000 (101.60)	1.100 (27.94)
2	14	.246 (6.25)	.396 (10.06)	1.094 (27.79)	.938 (23.83)	.875-20 UNEF	.479 (12.17)	1.062 (26.97)	4.100 (104.14)	1.110 (28.19)
3	16	.321 (8.15)	.521 (13.23)	1.219 (30.96)	1.062 (26.97)	1.000-20 UNEF	.479 (12.17)	1.188 (30.18)	4.400 (111.76)	1.320 (33.53)
4	18	.446 (11.33)	.646 (16.41)	1.344 (34.14)	1.125 (28.58)	1.125-18 UNEF	.479 (12.17)	1.312 (33.32)	4.600 (116.84)	1.420 (36.07)
5	18	.300 (7.62)	.475 (12.07)	1.344 (34.14)	1.125 (28.58)	1.125-18 UNEF	.479 (12.17)	1.312 (33.32)	4.600 (116.84)	1.420 (36.07)
6	20	.565 (14.35)	.765 (19.43)	1.469 (37.31)	1.250 (31.75)	1.250-18 UNEF	.479 (12.17)	1.438 (36.53)	4.900 (124.46)	1.600 (40.64)
7	20	.400 (10.16)	.600 (15.24)	1.469 (37.31)	1.250 (31.75)	1.250-18 UNEF	.479 (12.17)	1.438 (36.53)	4.900 (124.46)	1.600 (40.64)
8	22	.690 (17.53)	.890 (22.61)	1.625 (41.28)	1.375 (34.93)	1.375-18 UNEF	.479 (12.17)	1.562 (39.67)	4.900 (124.46)	1.750 (44.45)
9	22	.500 (12.70)	.700 (17.78)	1.625 (41.28)	1.375 (34.93)	1.375-18 UNEF	.479 (12.17)	1.562 (39.67)	4.900 (124.46)	1.750 (44.45)
10	22	.400 (10.16)	.525 (13.34)	1.625 (41.28)	1.375 (34.93)	1.375-18 UNEF	.479 (12.17)	1.562 (39.67)	4.900 (124.46)	1.750 (44.45)
11	24	.815 (20.70)	1.015 (25.78)	1.750 (44.45)	1.625 (41.28)	1.625-18 UNEF	.479 (12.17)	1.812 (46.02)	5.000 (127.00)	1.900 (48.26)
12	24	.595 (15.11)	.815 (20.70)	1.750 (44.45)	1.625 (41.28)	1.625-18 UNEF	.479 (12.17)	1.812 (46.02)	5.000 (127.00)	1.900 (48.26)
13	28	.980 (24.89)	1.180 (29.97)	2.000 (50.80)	1.875 (47.63)	1.875-18 UN	.479 (12.17)	2.062 (52.37)	5.300 (134.62)	2.190 (55.63)
14	28	.780 (19.81)	.980 (24.89)	2.000 (50.80)	1.875 (47.63)	1.875-18 UN	.479 (12.17)	2.062 (52.37)	5.300 (134.62)	2.190 (55.63)
15	32	1.230 (31.24)	1.430 (36.32)	2.250 (57.15)	2.062 (52.37)	2.062-16 UNS	.479 (12.17)	2.062 (52.37)	5.600 (142.24)	2.475 (62.87)
16	32	1.030 (26.16)	1.230 (31.24)	2.250 (57.15)	2.062 (52.37)	2.062-16 UNS	.479 (12.17)	2.062 (52.37)	5.600 (142.24)	2.475 (62.87)
17	36	1.470 (37.34)	1.670 (42.42)	2.500 (63.50)	2.312 (58.72)	2.312-16 UNS	.479 (12.17)	2.562 (65.07)	5.600 (142.24)	2.715 (68.96)
18	36	1.270 (32.26)	1.470 (37.34)	2.500 (63.50)	2.312 (58.72)	2.312-16 UNS	.479 (12.17)	2.562 (65.07)	5.600 (142.24)	2.715 (68.96)
19	40	1.660 (42.16)	1.860 (47.24)	2.750 (69.85)	2.562 (65.07)	2.625-16 UN	.667 (16.94)	2.875 (73.03)	5.725 (145.42)	2.900 (73.66)
20	40	1.400 (35.56)	1.660 (42.16)	2.750 (69.85)	2.562 (65.07)	2.625-16 UN	.667 (16.94)	2.875 (73.03)	5.725 (145.42)	2.900 (73.66)



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CONFIGURATION 1B - STYLE 2 CABLE SEALING (CONTINUED)

TABLE 2 - FIGURE 1 CONFIGURATIONS AND DIMENSIONS (CONTINUED)

SIZE NO.	SHELL SIZE	K ±.010	L THREAD (PLATED) CLASS 2 (A OR B)	N DIA MAX	P MAX	Q WITHIN ONE LINK	S ±.010	T DIA ±.005	W GLAND THREADS CLASS 2-LH
1	12	.950 (24.13)	.875-0.1P-0.2L-DS	1.094 (27.79)	.765 (19.43)	5.00 (127.00)	1.425 (36.20)	.600 (15.24)	.812-20 UNEF
2	14	1.075 (27.31)	1.000-0.1P-0.2L-DS	1.219 (30.96)	.765 (19.43)	5.00 (127.00)	1.425 (36.20)	.726 (18.44)	.937-20 UNEF
3	16	1.200 (30.48)	1.125-0.1P-0.2L-DS	1.344 (34.14)	.980 (24.89)	5.00 (127.00)	1.605 (40.77)	.845 (21.46)	1.062-18 UNEF
4	18	1.325 (33.66)	1.250-0.1P-0.2L-DS	1.469 (37.31)	.980 (24.89)	5.00 (127.00)	1.605 (40.77)	.970 (24.64)	1.187-18 UNEF
5	18	1.325 (33.66)	1.250-0.1P-0.2L-DS	1.469 (37.31)	.980 (24.89)	5.00 (127.00)	1.605 (40.77)	.970 (24.64)	1.187-18 UNEF
6	20	1.325 (33.66)	1.375-0.1P-0.2L-DS	1.562 (39.67)	.980 (24.89)	5.00 (127.00)	1.605 (40.77)	1.095 (27.81)	1.312-18 UNEF
7	20	1.325 (33.66)	1.375-0.1P-0.2L-DS	1.562 (39.67)	.980 (24.89)	5.00 (127.00)	1.605 (40.77)	1.095 (27.81)	1.312-18 UNEF
8	22	1.325 (33.66)	1.500-0.1P-0.2L-DS	1.688 (42.88)	.980 (24.89)	6.00 (152.40)	1.605 (40.77)	1.220 (30.99)	1.437-18 UNEF
9	22	1.325 (33.66)	1.500-0.1P-0.2L-DS	1.688 (42.88)	.980 (24.89)	6.00 (152.40)	1.605 (40.77)	1.220 (30.99)	1.437-18 UNEF
10	22	1.325 (33.66)	1.500-0.1P-0.2L-DS	1.688 (42.88)	.980 (24.89)	6.00 (152.40)	1.605 (40.77)	1.220 (30.99)	1.437-18 UNEF
11	24	1.450 (36.83)	1.750-0.1P-0.2L-DS	1.938 (49.23)	.980 (24.89)	6.00 (152.40)	1.605 (40.77)	1.470 (37.34)	1.562-18 UNEF
12	24	1.450 (36.83)	1.750-0.1P-0.2L-DS	1.938 (49.23)	.980 (24.89)	6.00 (152.40)	1.605 (40.77)	1.470 (37.34)	1.562-18 UNEF
13	28	1.700 (43.18)	2.000-0.1P-0.2L-DS	2.219 (56.36)	.980 (24.89)	6.00 (152.40)	1.605 (40.77)	1.713 (43.51)	1.812-16 UN
14	28	1.700 (43.18)	2.000-0.1P-0.2L-DS	2.219 (56.36)	.980 (24.89)	6.00 (152.40)	1.605 (40.77)	1.713 (43.51)	1.812-16 UN
15	32	1.950 (49.53)	2.250-0.1P-0.2L-DS	2.469 (62.71)	.980 (24.89)	6.00 (152.40)	1.605 (40.77)	1.900 (48.26)	2.062-16 UN
16	32	1.950 (49.53)	2.250-0.1P-0.2L-DS	2.469 (62.71)	.980 (24.89)	6.00 (152.40)	1.605 (40.77)	1.900 (48.26)	2.062-16 UN
17	36	1.950 (49.53)	2.500-0.1P-0.2L-DS	2.719 (69.06)	.980 (24.89)	6.00 (152.40)	1.605 (40.77)	2.150 (54.61)	2.312-16 UN
18	36	1.950 (49.53)	2.500-0.1P-0.2L-DS	2.719 (69.06)	.980 (24.89)	6.00 (152.40)	1.605 (40.77)	2.150 (54.61)	2.312-16 UN
19	40	1.950 (49.53)	2.750-0.1P-0.2L-DS	2.969 (75.41)	.980 (24.89)	6.00 (152.40)	1.605 (40.77)	2.460 (62.48)	2.500-16 UN
20	40	1.950 (49.53)	2.750-0.1P-0.2L-DS	2.969 (75.41)	.980 (24.89)	6.00 (152.40)	1.605 (40.77)	2.460 (62.48)	2.500-16 UN

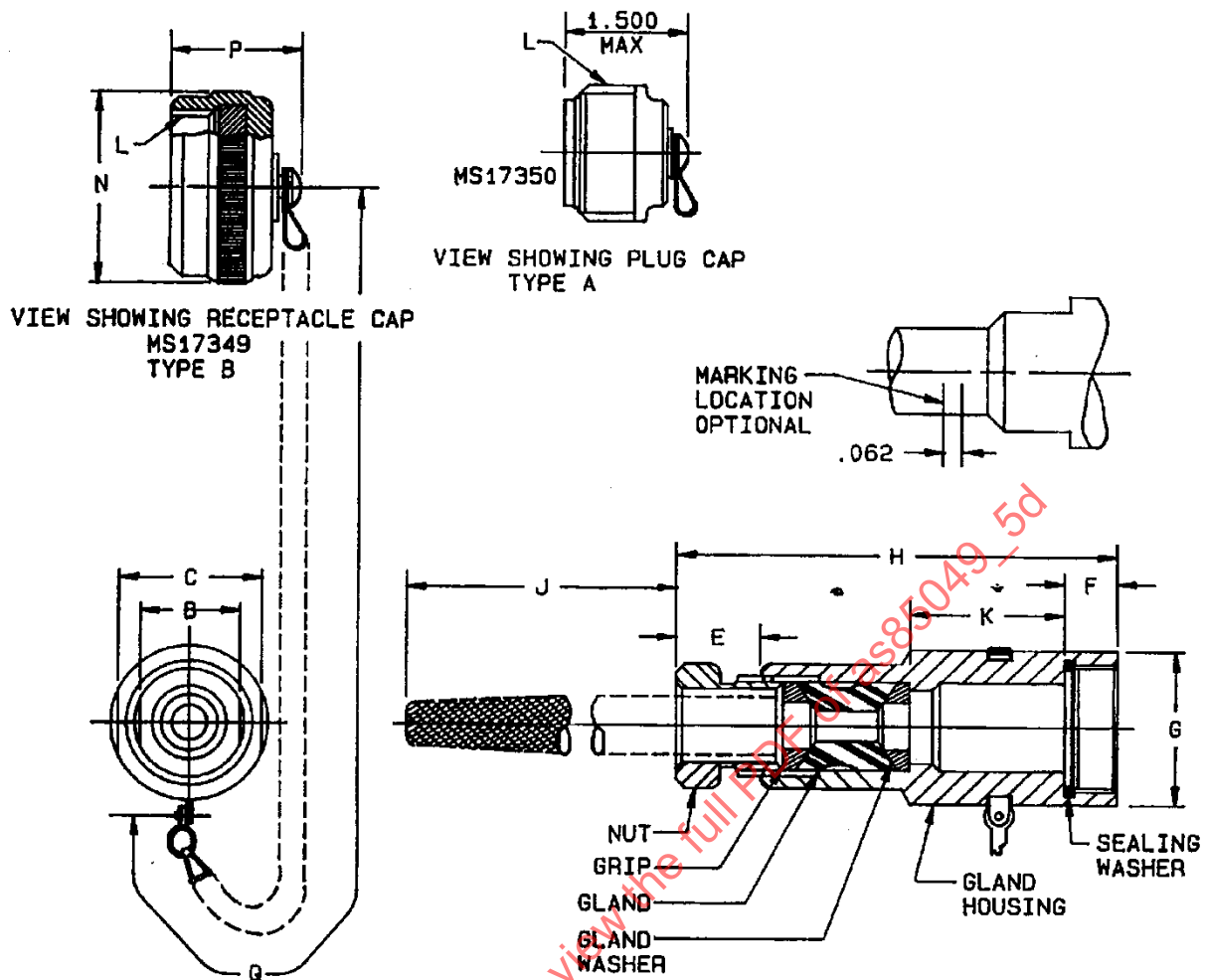


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**REV.
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CONFIGURATION 1C - STYLE 3 CABLE SEALING AND GRIPPING

FIGURE 1 - CONFIGURATIONS AND DIMENSIONS (CONTINUED)



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(R) CONNECTOR ACCESSORIES, ELECTRICAL, BACKSHELL
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CONFIGURATION 1C - STYLE 3 CABLE SEALING AND GRIPPING (CONTINUED)

TABLE 3 - FIGURE 1 CONFIGURATIONS AND DIMENSIONS

SIZE NO.	SHELL SIZE	CABLE RANGE (SEE DESIGN REQ)		B +.000 -.010	C +.000 -.010	D THREAD CLASS 2B-LH	E FREE LENGTH MAX	F +.016/- .000	G DIA +.010 -.020
		MIN	MAX						
1	12	.160 (4.06)	.222 (5.64)	.625 (15.88)	.812 (20.62)	.750-20 UNEF	.476 (12.09)	.479 (12.17)	.938 (23.83)
2	18	.511 (12.98)	.605 (15.37)	1.000 (25.40)	1.125 (28.58)	1.125-18 UNEF	.597 (15.16)	.479 (12.17)	1.312 (33.32)
3	18	.436 (11.07)	.530 (13.46)	1.000 (25.40)	1.125 (28.58)	1.125-18 UNEF	.597 (15.16)	.479 (12.17)	1.312 (33.32)
4	18	.306 (7.77)	.375 (9.53)	.875 (22.23)	1.125 (28.58)	1.125-18 UNEF	.539 (13.69)	.479 (12.17)	1.312 (33.32)
5	18	.219 (5.56)	.281 (7.14)	.750 (19.05)	1.125 (28.58)	1.125-18 UNEF	.539 (13.69)	.479 (12.17)	1.312 (33.32)
6	18	.605 (15.37)	.699 (17.75)	1.062 (26.97)	1.250 (31.75)	1.125-18 UNEF	.597 (15.16)	.479 (12.17)	1.438 (36.53)
7	20	.511 (12.98)	.605 (15.37)	1.000 (25.40)	1.250 (31.75)	1.250-18 UNEF	.597 (15.16)	.479 (12.17)	1.438 (36.53)
8	20	.361 (9.17)	.455 (11.56)	1.062 (26.97)	1.250 (31.75)	1.250-18 UNEF	.597 (15.16)	.479 (12.17)	1.438 (36.53)
9	20	.715 (18.16)	.828 (21.03)	1.125 (28.58)	1.460 (37.08)	1.250-18 UNEF	.597 (15.16)	.479 (12.17)	1.562 (39.67)
10	22	.449 (11.40)	.562 (14.27)	1.125 (28.58)	1.460 (37.08)	1.375-18 UNEF	.597 (15.16)	.479 (12.17)	1.562 (39.67)
11	22	.316 (8.03)	.405 (10.29)	1.000 (25.40)	1.375 (34.93)	1.375-18 UNEF	.597 (15.16)	.479 (12.17)	1.562 (39.67)
12	22	.692 (17.58)	.805 (20.45)	1.250 (31.75)	1.625 (41.28)	1.375-18 UNEF	.597 (15.16)	.479 (12.17)	1.812 (46.02)
13	24	.637 (16.18)	.750 (19.05)	1.250 (31.75)	1.625 (41.28)	1.625-18 UNEF	.597 (15.16)	.479 (12.17)	1.812 (46.02)
14	24	.517 (13.14)	.630 (16.00)	1.250 (31.75)	1.625 (41.28)	1.625-18 UNEF	.597 (15.16)	.479 (12.17)	1.812 (46.02)
15	28	.984 (24.99)	1.109 (28.17)	1.500 (38.10)	1.875 (47.63)	1.875-16 UN	.597 (15.16)	.479 (12.17)	2.062 (52.37)
16	28	.875 (22.23)	1.000 (25.40)	1.500 (38.10)	1.875 (47.63)	1.875-16 UN	.597 (15.16)	.479 (12.17)	2.062 (52.37)
17	28	.755 (19.18)	.880 (22.35)	1.500 (38.10)	1.875 (47.63)	1.875-16 UN	.597 (15.16)	.479 (12.17)	2.062 (52.37)
18	28	.637 (16.18)	.750 (19.05)	1.250 (31.75)	1.875 (47.63)	1.875-16 UN	.597 (15.16)	.479 (12.17)	2.062 (52.37)
19	28	.567 (14.40)	.680 (17.27)	1.250 (31.75)	1.875 (47.63)	1.875-16 UN	.597 (15.16)	.479 (12.17)	2.062 (52.37)
20	28	.436 (11.07)	.530 (13.46)	1.000 (25.40)	1.812 (46.02)	1.875-16 UN	.597 (15.16)	.479 (12.17)	2.062 (52.37)
21	28	.306 (7.77)	.375 (9.53)	.875 (22.23)	1.875 (47.63)	1.875-16 UN	.539 (13.69)	.479 (12.17)	2.062 (52.37)

TABLE 3 - FIGURE 1 CONFIGURATIONS AND DIMENSIONS

SIZE NO.	SHELL SIZE	H MAX	J APPROX FREE LENGTH	K +.015 -.025	L THREAD (PLATED) CLASS 2 (A OR B)	N DIA MAX	P MAX	Q WITHIN ONE LINK
1	12	2.752 (69.90)	2.406 (61.11)	.563 (14.3)	.8750-0.1P-0.2L-DS	1.094 (27.79)	.765 (19.43)	5.00 (127.00)
2	18	3.712 (94.28)	5.188 (131.78)	1.121 (28.47)	1.2500-0.1P-0.2L-DS	1.469 (37.31)	.980 (24.89)	5.00 (127.00)
3	18	3.712 (94.28)	4.688 (119.08)	1.121 (28.47)	1.2500-0.1P-0.2L-DS	1.469 (37.31)	.980 (24.89)	5.00 (127.00)
4	18	3.502 (88.95)	3.844 (97.64)	1.125 (28.58)	1.2500-0.1P-0.2L-DS	1.469 (37.31)	.980 (24.89)	5.00 (127.00)
5	18	3.471 (88.16)	2.844 (72.24)	1.157 (29.39)	1.2500-0.1P-0.2L-DS	1.469 (37.31)	.980 (24.89)	5.00 (127.00)
6	20	4.024 (102.21)	6.188 (157.18)	1.371 (34.82)	1.3750-0.1P-0.2L-DS	1.562 (39.67)	.980 (24.89)	5.00 (127.00)
7	20	3.841 (97.56)	5.188 (131.78)	1.250 (31.75)	1.3750-0.1P-0.2L-DS	1.562 (39.67)	.980 (24.89)	5.00 (127.00)
8	20	4.024 (102.21)	4.188 (106.38)	1.371 (34.82)	1.3750-0.1P-0.2L-DS	1.562 (39.67)	.980 (24.89)	5.00 (127.00)
9	22	4.087 (103.81)	6.688 (169.88)	1.343 (34.11)	1.5000-0.1P-0.2L-DS	1.688 (42.88)	.980 (24.89)	5.00 (127.00)
10	22	4.087 (103.81)	5.188 (131.78)	1.343 (34.11)	1.5000-0.1P-0.2L-DS	1.688 (42.88)	.980 (24.89)	6.00 (152.40)
11	22	3.841 (97.56)	3.688 (93.68)	1.250 (31.75)	1.5000-0.1P-0.2L-DS	1.688 (42.88)	.980 (24.89)	6.00 (152.40)
12	24	4.150 (105.41)	6.688 (169.88)	1.371 (34.82)	1.7500-0.1P-0.2L-DS	1.938 (49.23)	.980 (24.89)	6.00 (152.40)
13	24	4.150 (105.41)	6.688 (169.88)	1.371 (34.82)	1.7500-0.1P-0.2L-DS	1.938 (49.23)	.980 (24.89)	6.00 (152.40)
14	24	4.150 (105.41)	5.688 (144.48)	1.371 (34.82)	1.7500-0.1P-0.2L-DS	1.938 (49.23)	.980 (24.89)	6.00 (152.40)
15	28	4.212 (106.98)	7.688 (195.28)	1.371 (34.82)	2.0000-0.1P-0.2L-DS	2.219 (56.36)	.980 (24.89)	6.00 (152.40)
16	28	4.212 (106.98)	7.188 (182.58)	1.371 (34.82)	2.0000-0.1P-0.2L-DS	2.219 (56.36)	.980 (24.89)	6.00 (152.40)
17	28	4.212 (106.98)	6.688 (169.88)	1.371 (34.82)	2.0000-0.1P-0.2L-DS	2.219 (56.36)	.980 (24.89)	6.00 (152.40)
18	28	4.150 (105.41)	6.688 (169.88)	1.371 (34.82)	2.0000-0.1P-0.2L-DS	2.219 (56.36)	.980 (24.89)	6.00 (152.40)
19	28	4.150 (105.41)	6.688 (169.88)	1.371 (34.82)	2.0000-0.1P-0.2L-DS	2.219 (56.36)	.980 (24.89)	6.00 (152.40)
20	28	3.966 (100.74)	4.688 (119.08)	1.375 (34.93)	2.0000-0.1P-0.2L-DS	2.219 (56.36)	.980 (24.89)	6.00 (152.40)
21	28	3.799 (96.49)	3.844 (97.64)	1.422 (36.12)	2.0000-0.1P-0.2L-DS	2.219 (56.36)	.980 (24.89)	6.00 (152.40)



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REV.
D

CONFIGURATION 1C - STYLE 3 CABLE SEALING AND GRIPPING (CONTINUED)

TABLE 3 - FIGURE 1 CONFIGURATIONS AND DIMENSIONS (CONTINUED)

SIZE NO.	SHELL SIZE	CABLE RANGE (SEE DESIGN REQ)		B +.000 -.010	C +.000 -.010	D THREAD CLASS 2B-LH	E FREE LENGTH MAX	F +.016/- .000	G DIA +.010 -.020
		MIN	MAX						
22	32	1.105 (28.07)	1.230 (31.24)	1.750 (44.45)	2.062 (52.37)	2.062-16 UNS	.597 (15.16)	.479 (12.17)	2.312 (58.72)
23	32	1.005 (25.53)	1.130 (28.70)	1.750 (44.45)	2.062 (52.37)	2.062-16 UNS	.597 (15.16)	.479 (12.17)	2.312 (58.72)
24	32	.930 (23.62)	1.055 (26.80)	1.500 (38.10)	2.062 (52.37)	2.062-16 UNS	.597 (15.16)	.479 (12.17)	2.312 (58.72)
25	32	.857 (21.77)	.970 (24.64)	1.250 (31.75)	2.062 (52.37)	2.062-16 UNS	.539 (13.69)	.479 (12.17)	2.312 (58.72)
26	32	.755 (19.18)	.880 (22.35)	1.500 (38.10)	2.062 (52.37)	2.062-16 UNS	.539 (13.69)	.479 (12.17)	2.312 (58.72)
27	32	.637 (16.18)	.750 (19.05)	1.250 (31.75)	2.062 (52.37)	2.062-16 UNS	.597 (15.16)	.479 (12.17)	2.312 (58.72)
28	32	.436 (11.07)	.530 (13.46)	1.000 (25.40)	2.000 (50.80)	2.062-16 UNS	.597 (15.16)	.479 (12.17)	2.312 (58.72)
29	32	.306 (7.77)	.375 (9.53)	.875 (22.23)	2.062 (52.37)	2.062-16 UNS	.597 (15.16)	.479 (12.17)	2.312 (58.72)
30	36	1.320 (33.53)	1.445 (36.70)	2.000 (50.80)	2.312 (58.72)	2.312-16 UNS	.597 (15.16)	.479 (12.17)	2.562 (65.07)
31	36	1.250 (31.75)	1.375 (34.93)	2.000 (50.80)	2.312 (58.72)	2.312-16 UNS	.597 (15.16)	.479 (12.17)	2.562 (65.07)
32	36	1.185 (30.10)	1.310 (33.27)	1.750 (44.45)	2.312 (58.72)	2.312-16 UNS	.597 (15.16)	.479 (12.17)	2.562 (65.07)
33	36	1.105 (28.07)	1.230 (31.24)	1.750 (44.45)	2.312 (58.72)	2.312-16 UNS	.597 (15.16)	.479 (12.17)	2.562 (65.07)
34	36	1.055 (26.80)	1.180 (29.97)	1.750 (44.45)	2.312 (58.72)	2.312-16 UNS	.597 (15.16)	.479 (12.17)	2.562 (65.07)
35	36	.984 (24.99)	1.109 (28.17)	1.500 (38.10)	2.312 (58.72)	2.312-16 UNS	.597 (15.16)	.479 (12.17)	2.562 (65.07)
36	36	.857 (21.77)	.970 (24.64)	1.250 (31.75)	2.250 (57.15)	2.312-16 UNS	.597 (15.16)	.479 (12.17)	2.562 (65.07)
37	40	1.815 (46.10)	1.940 (49.28)	2.438 (61.93)	2.750 (69.85)	2.625-16 UN	.710 (18.03)	.667 (16.94)	2.875 (73.03)
38	40	1.700 (43.18)	1.825 (46.36)	2.438 (61.93)	2.750 (69.85)	2.625-16 UN	.710 (18.03)	.667 (16.94)	2.875 (73.03)
39	40	1.605 (40.77)	1.730 (43.94)	2.438 (61.93)	2.750 (69.85)	2.625-16 UN	.710 (18.03)	.667 (16.94)	2.875 (73.03)
40	40	1.531 (38.89)	1.656 (42.06)	2.250 (57.15)	2.750 (69.85)	2.625-16 UN	.597 (15.16)	.667 (16.94)	2.875 (73.03)
41	44	1.867 (47.42)	2.000 (50.80)	2.750 (69.85)	2.969 (75.41)	2.875-16 UN	.710 (18.03)	.667 (16.94)	3.125 (79.38)
42	44	1.775 (45.09)	1.900 (48.26)	2.438 (61.93)	2.812 (71.42)	2.875-16 UN	.710 (18.03)	.667 (16.94)	3.125 (79.38)

TABLE 3 - FIGURE 1 CONFIGURATIONS AND DIMENSIONS (CONTINUED)

SIZE NO.	SHELL SIZE	H MAX	J APPROX FREE LENGTH	K +.015 -.025	L THREAD (PLATED) CLASS 2 (A OR B)	N DIA MAX	P MAX	Q WITHIN ONE LINK
22	32	4.275 (108.59)	8.188 (207.98)	1.372 (34.85)	2.2500-0.1P-0.2L-DS	2.469 (62.71)	.980 (24.89)	6.00 (152.40)
23	32	4.275 (108.59)	7.188 (182.58)	1.372 (34.85)	2.2500-0.1P-0.2L-DS	2.469 (62.71)	.980 (24.89)	6.00 (152.40)
24	32	4.212 (106.99)	7.688 (195.28)	1.371 (34.82)	2.2500-0.1P-0.2L-DS	2.469 (62.71)	.980 (24.89)	6.00 (152.40)
25	32	4.150 (105.41)	7.188 (182.58)	1.371 (34.82)	2.2500-0.1P-0.2L-DS	2.469 (62.71)	.980 (24.89)	6.00 (152.40)
26	32	4.212 (106.99)	6.688 (169.88)	1.371 (34.82)	2.2500-0.1P-0.2L-DS	2.469 (62.71)	.980 (24.89)	6.00 (152.40)
27	32	4.150 (105.41)	6.688 (169.88)	1.371 (34.82)	2.2500-0.1P-0.2L-DS	2.469 (62.71)	.980 (24.89)	6.00 (152.40)
28	32	3.966 (100.74)	4.688 (119.08)	1.375 (34.93)	2.2500-0.1P-0.2L-DS	2.469 (62.71)	.980 (24.89)	6.00 (152.40)
29	32	3.846 (97.69)	3.844 (97.64)	1.469 (37.31)	2.2500-0.1P-0.2L-DS	2.469 (62.71)	.980 (24.89)	6.00 (152.40)
30	36	4.337 (110.16)	9.688 (246.08)	1.371 (34.82)	2.5000-0.1P-0.2L-DS	2.719 (69.06)	.980 (24.89)	6.00 (152.40)
31	36	4.337 (110.16)	9.688 (246.08)	1.371 (34.82)	2.5000-0.1P-0.2L-DS	2.719 (69.06)	.980 (24.89)	6.00 (152.40)
32	36	4.275 (108.59)	8.688 (220.68)	1.372 (34.85)	2.5000-0.1P-0.2L-DS	2.719 (69.06)	.980 (24.89)	6.00 (152.40)
33	36	4.275 (108.59)	8.188 (207.98)	1.372 (34.85)	2.5000-0.1P-0.2L-DS	2.719 (69.06)	.980 (24.89)	6.00 (152.40)
34	36	4.275 (108.59)	8.188 (207.98)	1.372 (34.85)	2.5000-0.1P-0.2L-DS	2.719 (69.06)	.980 (24.89)	6.00 (152.40)
35	36	4.212 (106.99)	7.688 (195.28)	1.371 (34.82)	2.5000-0.1P-0.2L-DS	2.719 (69.06)	.980 (24.89)	6.00 (152.40)
36	36	4.154 (105.51)	7.188 (182.58)	1.375 (34.93)	2.5000-0.1P-0.2L-DS	2.719 (69.06)	.980 (24.89)	6.00 (152.40)
37	40	5.673 (144.09)	13.188 (334.98)	2.156 (54.76)	2.7500-0.1P-0.2L-DS	2.969 (75.41)	.980 (24.89)	6.00 (152.40)
38	40	5.673 (144.09)	13.188 (334.98)	2.156 (54.76)	2.7500-0.1P-0.2L-DS	2.969 (75.41)	.980 (24.89)	6.00 (152.40)
39	40	5.673 (144.09)	13.188 (334.98)	2.156 (54.76)	2.7500-0.1P-0.2L-DS	2.969 (75.41)	.980 (24.89)	6.00 (152.40)
40	40	5.373 (136.47)	12.688 (322.28)	2.156 (54.76)	2.7500-0.1P-0.2L-DS	2.969 (75.41)	.980 (24.89)	6.00 (152.40)
41	44	5.673 (144.09)	14.188 (360.38)	2.156 (54.76)	3.0000-0.1P-0.2L-DS	3.217 (81.71)	.980 (24.89)	6.00 (152.40)
42	44	4.594 (116.69)	13.688 (347.68)	1.078 (27.38)	3.0000-0.1P-0.2L-DS	3.217 (81.71)	.980 (24.89)	6.00 (152.40)



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