

REV.  
C

AS85049™/61

RATIONALE

REVISION IS REQUIRED TO IMPROVE DRAWINGS, MOVE NOTES TO DESIGN PARAGRAPH TO FOLLOW C1 AS STANDARD FORMAT, REMOVE IMAGES, CLARIFY RESTRICTIONS/SUPERSESSION DATA, AND ADD METRIC EQUIVALENTS TO FIGURE 1 DIMENSIONAL CALLOUTS.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS85049.

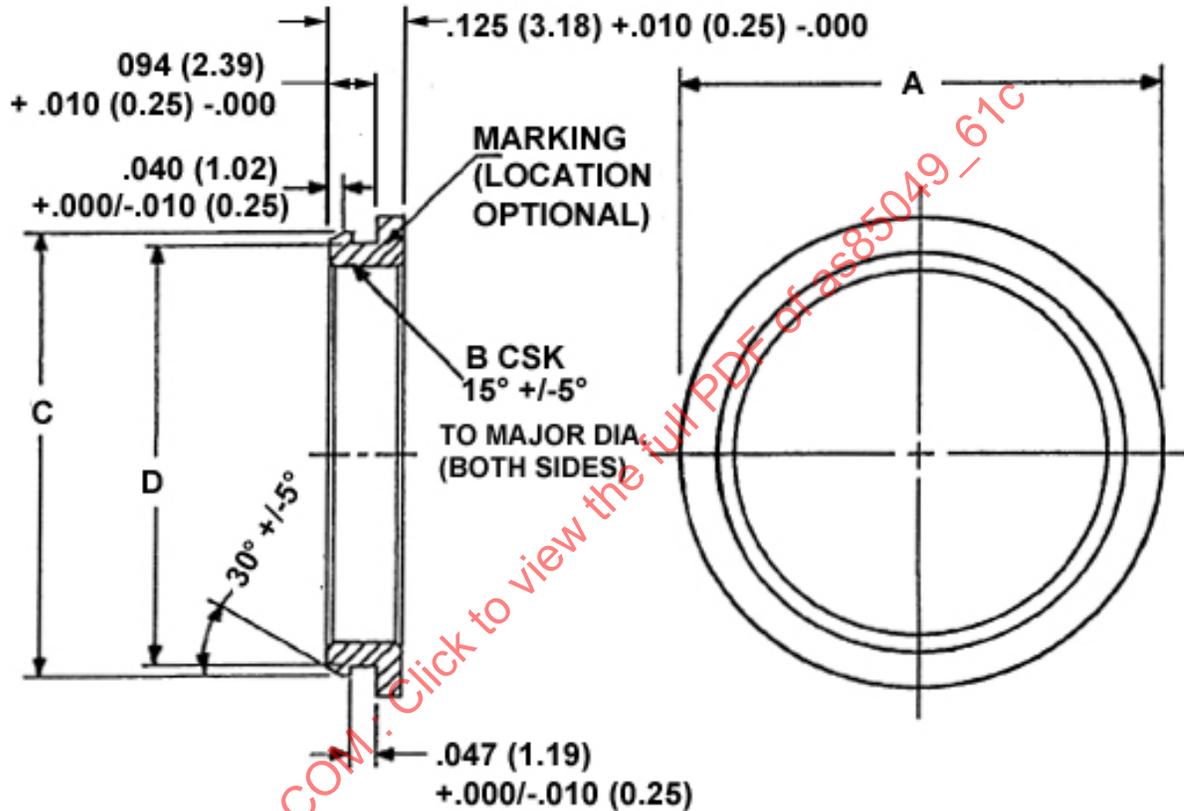
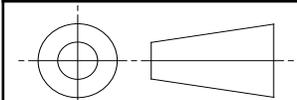


FIGURE 1 - ACCESSORY DIMENSIONS AND CONFIGURATION

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<https://www.sae.org/standards/content/AS85049/61C>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049



**AEROSPACE STANDARD**

(R) CONNECTOR ACCESSORIES, ELECTRICAL,  
RING, POTTING BOOT, CATEGORY 5  
(MIL-DTL-27599 CONNECTORS)

AS85049™/61  
SHEET 1 OF 3

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**TABLE 1 - SHELL SIZE AND DIMENSIONS**

DASH NUMBER	FITS CONNECTOR SHELL SIZE		A MAXIMUM DIAMETER	B THREAD UNEF CLASS 2B	C +.010 -.000 DIAMETER	D ±.010 DIAMETER
	SERIES II	SERIES I				
8	8	9	.594 (15.09)	.4375-28	.516 (13.11)	.476 (12.09)
10	10	11	.734 (18.64)	.5625-24	.642 (16.31)	.602 (15.29)
12	12	13	.844 (21.44)	.6875-24	.766 (19.46)	.726 (18.44)
14	14	15	.969 (24.61)	.8125-20	.892 (22.66)	.852 (21.64)
16	16	17	1.094 (27.79)	.9375-20	1.018 (25.86)	.978 (24.84)
18	18	19	1.234 (31.34)	1.0625-18	1.142 (29.01)	1.102 (27.99)
20	20	21	1.344 (34.14)	1.1875-18	1.268 (32.21)	1.228 (31.19)
22	22	23	1.469 (37.31)	1.3125-18	1.392 (35.36)	1.352 (34.34)
24	24	25	1.594 (40.49)	1.4375-18	1.518 (38.56)	1.478 (37.54)

REQUIREMENTS: ALL REQUIREMENTS SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS85049.

1. DESIGN AND CONSTRUCTION:

ACCESSORIES SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE 1 AND TABLE 1. DIMENSIONS ARE IN INCHES AND APPLY AFTER PLATING. METRIC EQUIVALENTS ARE IN PARENTHESES, ARE GIVEN FOR GENERAL INFORMATION ONLY, AND ARE BASED UPON 1 INCH = 25.4 MM.

2. MATERIAL: ALUMINUM ALLOY IN ACCORDANCE WITH AS85049.

3. FINISH: IN ACCORDANCE WITH AS85049. SEE TABLE 2.

**TABLE 2 - FINISH**

FINISH LETTER	DESCRIPTION
NONE	2/ W - CADMIUM OLIVE DRAB
N	1/ N - ELECTROLESS NICKEL
X	X - NICKEL FLUOROCARBON POLYMER
Y	Y - PURE DENSE ELECTRODEPOSITED ALUMINUM
Z	2/ Z - ZINC NICKEL, BLACK

1/ N FINISH NOT RECOMMENDED FOR USE IN APPLICATIONS THAT MAY BE SUSCEPTIBLE TO SALT WATER CORROSION.

2/ W AND Z FINISH NOT RECOMMENDED FOR USE IN APPLICATIONS THAT MAY BE SUSCEPTIBLE TO OUT GASSING (ALSO SEE SPECIFICATION NOTES).

4. PART NUMBER: SEE EXAMPLE BELOW:

EXAMPLE:

