

REV.
B

SAE AS85049/61

FEDERAL SUPPLY CLASS
5935

RATIONALE

THIS REVISION IS REQUIRED TO INCORPORATE THE OUTSTANDING AMENDMENT, REVIEW FOR KNOWN TECHNICAL ISSUES AND UPDATE TO MEET SAE FORMAT GUIDELINES.

NOTICE

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

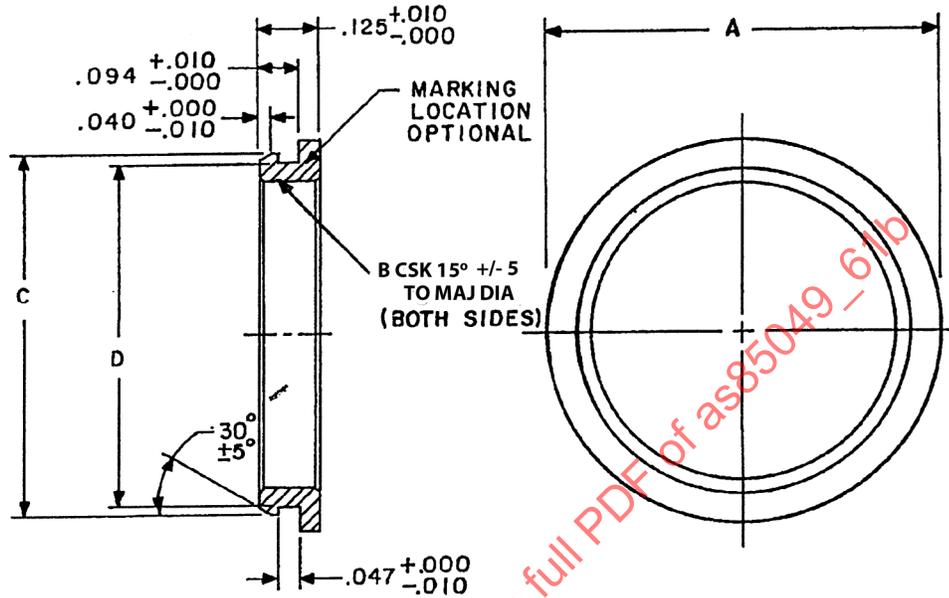


FIGURE 1 - DIMENSIONS AND CONFIGURATION

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CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS85049

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

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

SAE AS85049/61
SHEET 1 OF 3

REV. B

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ISSUED 2000-05 REVISED 2011-03

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)

NOTES:

1. DIMENSIONS ARE IN INCHES AND APPLY AFTER PLATING.
2. METRIC EQUIVALENTS ARE GIVEN FOR GENERAL INFORMATION ONLY.

REQUIREMENTS:

DESIGN AND CONSTRUCTION:

DIMENSIONS AND CONFIGURATIONS: SEE FIGURE 1 AND TABLE 1.

MATERIAL: ALUMINUM ALLOY IN ACCORDANCE WITH SAE AS85049.

FINISH: IN ACCORDANCE WITH SAE 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 FOR NAVY USE, RESTRICTED TO AIR FORCE SPACE APPLICATIONS ONLY.
 2/ W AND Z FINISH ARE NOT FOR USE IN SPACE APPLICATIONS. ALSO SEE SPECIFICATION NOTES.

PART NUMBER: SEE EXAMPLE BELOW:

 An SAE International Group	AEROSPACE STANDARD	SAE AS85049/61 SHEET 2 OF 3	REV. B
	(R) CONNECTOR ACCESSORIES, ELECTRICAL, RING, POTTING BOOT, CATEGORY 5 (MIL-DTL-27599 CONNECTORS)		