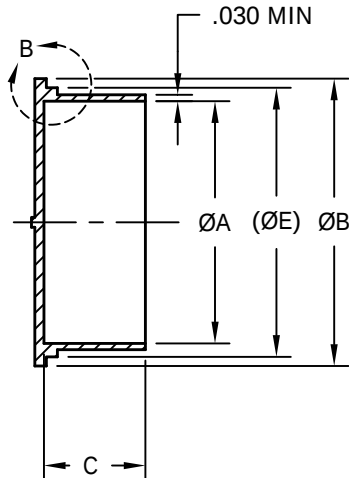
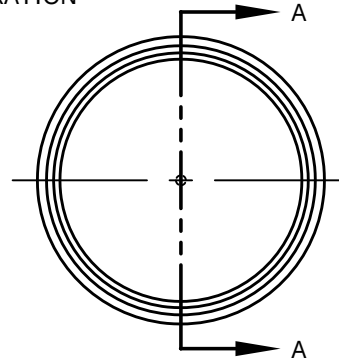


DETAIL B
OPTIONAL
CONFIGURATION



SECTION A-A



4 COMPLETELY REVISED

TABLE I – DIMENSIONS

DASH NO. /1/	ØA		ØB	C	(ØE) (OPTIONAL)	ELECTRICAL CONNECTOR (REF)	
		TOL				MS3100 MS3102	THREAD SIZE
8	.476	±.010	.73	.50	.68	-8S	.5000-28
10	.600		.84	.50	.80	-10S & -10SL	.6250-24
12	.724		.95	.50	.92	-12 & -12S	.7500-20
14	.849		1.09	.50	1.05	-14 & -14S	.8750-20
16	.974		1.21	.50	1.18	-16 & -16S	1.0000-20
18	1.097		1.36	.56	1.30	-18	1.1250-18
19	~~1.168~~		~~1.40~~	~~.56~~	~~1.363~~		
20	1.221	±.010	1.46	.56	1.42	-20	1.2500-18
22	1.344	±.011	1.59	.56	1.54	-22	1.3750-18
23	~~1.408~~		~~1.67~~	~~.56~~	~~1.608~~		
24	1.467	±.011	1.69	.56	1.67	-24	1.5000-18
28	1.716	±.012	2.00	.56	1.92	-28	1.7500-18
32	1.964	±.013	2.23	.62	2.16	-32	2.0000-18
36	2.212	±.014	2.45	.62	2.39	-36	2.2500-16
40	2.460	±.015	2.68	.62	2.55	-40	2.5000-16
44	~~2.730~~		~~2.96~~	~~.62~~	~~2.850~~		
48	~~2.980~~		~~3.23~~	~~.62~~	~~3.100~~		
64	~~3.992~~		~~4.18~~	~~1.00~~	~~4.042~~		
80	4.900		5.12	1.25	5.020		

**INACTIVE FOR DESIGN AFTER OCTOBER 31, 2012. SEE NAS831.
FOR DESCRIPTION OF STATUS NOTES, SEE NAS380.**

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 4
PROCUREMENT SPECIFICATION NONE	TITLE CAP, PROTECTIVE, ELECTRICAL CONNECTOR	CLASSIFICATION PART STANDARD
		NAS813 SHEET 1 OF 3



MATERIAL:

POLYETHYLENE PER L-P-390 TYPE I, CLASS L, GRADE 1; OR PER ASTM D4976, GROUP 1, CLASS 1;
OR PER ASTM D1248, TYPE I

COLOR:

OPTIONAL, IF NO COLOR IS SPECIFIED ON THE PURCHASE ORDER.

MARKING:

PERMANENTLY MARK MANUFACTURER'S NAME OR TRADEMARK AND NAS PART NUMBER, LOCATION
OPTIONAL.

EXAMPLE OF PART NUMBER:

NAS813 - 8
DASH NUMBER FROM TABLE I
BASIC NUMBER

NAS813-8 = CAP, PROTECTIVE, FOR MS3102-8S ELECTRICAL CONNECTOR.

NOTES:

- /1/ DASH NUMBERS LINED OUT ARE INACTIVE FOR DESIGN AFTER 1/15/61, NO SUPERSEDING
STANDARD.
- (2) INTENDED USE: CAP FOR ELECTRICAL CONNECTORS TABULATED ABOVE.
- (3) GENERAL REQUIREMENTS FOR CLOSURES DESCRIBED HEREON:
 - a) THE CAP SHALL BE CAPABLE OF PERFORMING ITS INTENDED FUNCTION WITHOUT LOOSENING OR
FALLING OFF WHEN SUBJECTED TO NORMAL HANDLING AND VIBRATION EXPERIENCED IN THE
TRANSPORTATION OF THE PARTS ON WHICH IT MAY BE INSTALLED.
 - b) THE CAP MUST BE EASILY INSTALLED AND REMOVED AND BE CAPABLE OF WITHSTANDING
REPEATED INSTALLATION AND REMOVAL.
 - c) THE MATERIAL SHALL NOT CHIP OR SHRED UNDER NORMAL USE.
 - d) THE CAP OR PLUG SHALL BE CAPABLE OF WITHSTANDING A POSITIVE PRESSURE OF 2 PSI
WITHOUT BLOWING OFF AND A NEGATIVE PRESSURE OF 2 PSI WITHOUT COLLAPSING.
 - e) THE CAP SHALL BE FREE FROM WARPAGE, CRACKS, CHIPPED EDGES, BURRS, BLISTERS AND
FLASH.
- (4) DIMENSIONS IN INCHES.
- (5) TOLERANCES UNLESS OTHERWISE SPECIFIED: DECIMALS: .XX ±.03, .XXX ±.010.
- (6) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.

**INACTIVE FOR DESIGN AFTER OCTOBER 31, 2012. SEE NAS831.
FOR DESCRIPTION OF STATUS NOTES, SEE NAS380.**

REVISION

4

④ COMPLETELY REVISED



NAS813
SHEET 2

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