This standard has been approved by the Department of Defense and is mandatory for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

Review activities:

User activities:

DD FORM 672-1 (Corrected)

PROCUREMENT SPECIFICATION

SUPERSEDES:

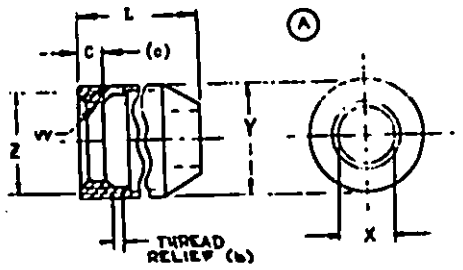
TITLE

MOLD, POTTING, AND ADAPTER, ELECTRIC CONNECTOR

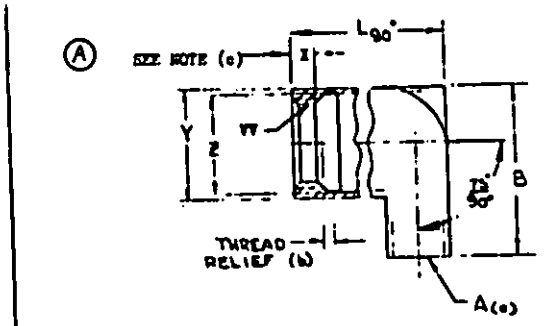
MILITARY STANDARD

MS 3185

SHEET 1 OF 1



STRAIGHT BOOT -1.



75°-90° ELBOW -2

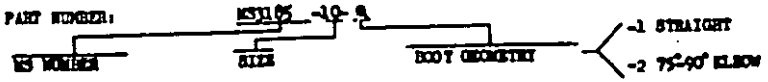
SIZE	(d) PART NUMBER	W CLASS 2B THREAD	A MIN (c) CROSS - SEC AREA IN²	B MAX	C MIN PERF THD	L MAX OAL	L 75°-90° MAX	X MIN DIA ID	Y MAX DIA OD	Z MIN DIA ID
8	MS3185-8-*	7/16-28	.078	1.030	.199	.825	1.125	.317	.678	.386
10	MS3185-10-*	9/16-24	.147	1.125			1.250	.433	.734	.503
12	MS3185-12-*	11/16-24	.190	1.250			1.344	.548	.859	.628
14	MS3185-14-*	13/16-20	.226	1.297			1.453	.673	.984	.733
16	MS3185-16-*	15/16-20	.304	1.375			1.516	.798	1.110	.868
18	MS3185-18-*	1-1/16-18	.532	1.469			1.594	.899	1.234	.985
20	MS3185-20-*	1-3/16-18	.619	1.700	.287	.915	1.750	1.024	1.360	1.110
22	MS3185-22-*	1-5/16-18	.699	1.703			1.828	1.149	1.484	1.235
24	MS3185-24-*	1-7/16-18	.806	2.100	.199		2.125	1.274	1.610	1.362

(a) DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED

(b) THREAD RELIEF MUST BE LARGER THAN ONE FULL THREAD TO ALLOW POTTING COMPOUND TO FILL THREAD RELIEF WHEN BOOT IS BOTTOMED ON MATING CONNECTOR ACCESSORY THREAD

(c) WHEN SEPARATE METAL THREADED RING IS PROVIDED, RING SHALL BE .125 MINIMUM THICK HAVING AN INTERFERENCE FIT WITH THE BOOT. THE SEPARATE METAL RING SHALL BE MANDATORY ON THE 75° - 90° ELBOW.

(d) EXAMPLE OF PART NUMBER:



(e) ENTRANCE CONFIGURATION OPTIONAL WITH INDICATED CROSS-SECTION AREA

(f) MATERIAL: BOOT BODY OR PLASTIC PARTS - TRANSLUCENT NYLON
METAL THREADED RING - ALUMINUM

(g) MINIMUM PLASTIC WALL THICKNESS - .030

FOR DESIGN FEATURE PURPOSES THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

FED. SUP CLASS 5935

APPROVED 7 DEC 1965 REVISED (A) 15 FEB 67

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