

FED. SUP CLASS  
5305

## DIE CAST ZINC AND ALUMINUM

SCREW SIZE	MATERIAL THICKNESS	HOLE DIA	DRILL SIZE NO.	SCREW SIZE	MATERIAL THICKNESS	HOLE DIA	DRILL SIZE NO.
2 (.086)	.060	.073	49	8 (.164)	.125	.149	25
	.083	.073	49		.140	.149	25
	.109	.076	48		.188	.149	25
	.125	.076	48		.250	.152	24
4 (.112)	.140	.076	48		.312	.152	24
	.109	.098	40	10 (.190)	.125	.166	19
	.125	.100	39		.140	.166	19
	.140	.100	39		.188	.166	19
	.188	.100	39		.250	.170	18
6 (.138)	.250	.102	38		.312	.172	11/64
	.125	.120	31		.375	.172	11/64
	.140	.120	31	1/4 (.250)	.125	.221	2
	.188	.120	31		.140	.221	2
	.250	.125	1/8		.188	.221	2
	.312	.125	1/8		.250	.228	1
					.312	.228	1
					.375	.228	1

## PLASTICS

PHENOL FORMALDEHYDE					CELLULOSE ACETATE, CELLULOSE NITRATE, ACRYLIC RESIN, STYRENE RESIN			
SCREW SIZE	HOLE DIA	DRILL SIZE NO.	DEPTH OF PENETRATION		HOLE DIA	DRILL SIZE NO.	DEPTH OF PENETRATION	
			MIN	MAX			MIN	MAX
2 (.086)	.078	5/64	.094	.250	.076	48	.094	.250
4 (.112)	.104	37	.125	.312	.100	39	.125	.312
6 (.138)	.125	1/8	.188	.375	.120	31	.188	.375
8 (.164)	.147	26	.250	.500	.144	27	.250	.500
10 (.190)	.170	18	.312	.625	.166	19	.312	.625
1/4 (.250)	.228	1	.375	.750	.221	2	.375	.750

## NOTES:

1. Because conditions vary widely, it may be necessary to change the hole size to suit a particular application.
2. All dimensions are in inches. Hole diameters are standard drill sizes rounded to nearest .001 inch.
3. For aeronautical purposes, more definitive hole dimensions are contained in AND10325.
4. Referenced documents shall be of the issue in effect on date of invitations for bid.
5. For design feature purposes, this standard takes precedence over procurement documents referenced herein.

THIS IS A DESIGN STANDARD AND SHALL NOT BE USED AS A PART NUMBER.

P.A. MC Other Cont 82	TITLE SCREW, TAPPING-THREAD CUTTING, TYPES BF AND BT, APPROXIMATE HOLE SIZES FOR	MILITARY STANDARD MS 24633
PROCUREMENT SPECIFICATION NOTE	SUPERSEDES	SHEET 1 OF 1

This military standard 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.

REVIEWER: AV, IS, MI, NSA, OS, SW  
USER: AS, AT, OL, MC, ME, DS, SN

APPROVED 9 OCT 1959 REVISED (A) 7 JUN 1961 (C) 27 AUG 1969