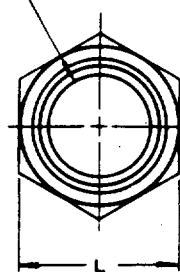


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5365

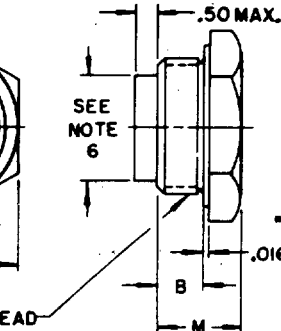
NAVY-MC; AF-99; DLA-

REVIEW ACTIVITIES: ARMY-ME,

USER ACTIVITIES:

MAGNET CONFIGURATION AND  
METHOD OF HOLDING OPTIONAL

'A' THREAD

SEE  
NOTE  
6

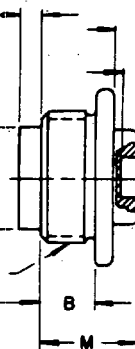
TYPE I

SEE TABLE I

.50 MAX. .50 MIN. .44

SEE  
NOTE  
6

'A' THREAD



TYPE II

SEE TABLE II

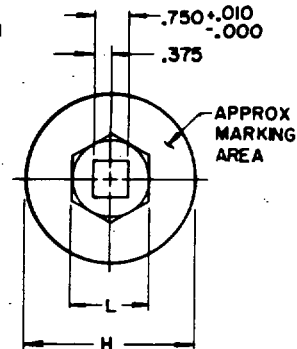


TABLE I

MS DASH NO. STEEL	MS DASH NO. ALUMINUM	'A' THREAD SIZE	B	L NOMINAL	M	GASKET MS 35769 DASH NO (SEE NOTE 4)
-1	-2	3/8-24 UNF-2A	.31	.625	.50	-6
-49	-50	1/2-20 UNF-2A	.34	.750	.53	-9
-3	-4	5/8-18 UNF-2A	.38	.875	.62	-11
-83	-84	3/4-16 UNF-2A	.38	1.000	.62	-15
-5	-6	7/8-14 UNF-2A	.41	1.125	.66	-18
-99	-100	7/8-18 UNF-2A	.41	1.125	.66	-18
-111	-112	1-18 UNS-2A	.44	1.250	.75	-21
-7	-8	1-1/4-12 UNF-2A	.47	1.500	.78	-31
-133	-134	1-1/4-18 UNEF-2A	.47	1.500	.78	-31
-149	-150	1-1/2-18 UNEF-2A	.50	1.750	.88	-48

TABLE II

MS DASH NO. IRON	MS DASH NO. ALUMINUM	'A' THREAD SIZE	B	H FLANGE DIA.	L NOMINAL	M	GASKET MS 35769 DASH NO. (SEE NOTE 4)
-9	-10	2-12 UN-2A	.56	2.25	1.500	1.37	-55
-167	-168	2-16 UN-2A (D)	.56	2.25	1.500	1.37	-55
-11	-12	3-12 UN-2A	.56	3.25	1.500	1.37	-76

(D) DENOTES CHANGES

ilitary standard is approved for use by all Departments and Agencies  
Department of Defense. Selection for all new engineering and design  
applications and for repetitive use shall be made from this document when  
applicable.

P.A. ARMY-AT

Other Cust

NAVY-YD

AF-99

TITLE

PLUG, MACHINE THREAD, MAGNETIC: DRAIN

MILITARY STANDARD

MS 35844

PROCUREMENT SPECIFICATION  
NONE

SUPERSEDES:

SHEET 1 OF 2

DD FORM 672-1

(Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

5365-0027

APPROVED 16 JULY 1958 REVISED (A) 24 APRIL 1967 (B) 24 MAY 1968 (C) 15 NOV 1971 (D) 23 FEB 1978

FED. SUP CLASS  
5365

## ① REQUIREMENTS:

## 1. MATERIAL:

- A. STEEL, CARBON, 1010 TO 1025, ASTM A-108 OR B1211 TO B1213, QQ-S-637.
- B. ALUMINUM ALLOY, 2011, TEMPER T-3, QQ-A-225/30
- C. CASTING, MALLEABLE IRON, GRADE 1, QQ-I-666.
- D. ALUMINUM ALLOY 2017-TEMPER T-4, 6161-TEMPER T-6, PER QQ-A-367.
- E. MAGNET, PERMANENT: ALNICO 5, OR CERAMIC SERIES OF MMPA-0100-66.

## 2. PROTECTIVE FINISH:

- A. ALUMINUM, ANODIZE, MIL-A-8625.
- B. STEEL AND MALLEABLE IRON, ZINC PLATE PER QQ-Z-325, TYPE II, CLASS 2, OR CADMIUM PLATE PER QQ-P-416, TYPE II, CLASS 2. CLASS 3, PERMISSIBLE, THREAD SIZES 1/2 INCH DIA AND UNDER.

## 3. SURFACE FINISH:

ALL MACHINED SURFACES SHALL BE <sup>125</sup>✓; ALL UNMACHINED SURFACES 500 IN ACCORDANCE WITH ANSI B46.1.

## 4. GASKET MS35769 SHALL BE FURNISHED AS SPECIFIED.

## 5. DIMENSIONS AND FEATURES OTHER THAN AS SHOWN HEREIN SHALL BE IN ACCORDANCE WITH S.A.E. J532.

## 6. MAXIMUM DIAMETER OF THE MAGNET SHALL BE AT LEAST 0.100 INCH SMALLER THAN THE PITCH DIAMETER OF THE THREAD.

## 7. MAGNET SHALL WEIGH A MINIMUM OF 6 OZ. SOFT STEEL WEIGHT AFTER INSERTED IN PLUG. MAGNET SHALL BE FIRMLY RETAINED IN PLUG AT TEMPERATURES UP TO 500°F.

## 8. THREADS SHALL BE IN ACCORDANCE WITH SCREW THREAD STANDARDS FOR FEDERAL SERVICES, HANDBOOK H-28.

## 9. UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE ±.010 ON MACHINED SURFACES. ①

## 10. THE MS PART NUMBER SHALL CONSIST OF THE MS NUMBER PLUS A DASH NUMBER. EXAMPLE: MS35844-1.

## 11. MARKING SHALL CONSIST OF THE MS PART NUMBER AND MANUFACTURER'S IDENTIFICATION IN ACCORDANCE WITH MIL-STD-130.

## 12. MINIMUM ACROSS CORNER DIMENSIONS OF HEXAGONS SHALL BE 1.092 TIMES THE NOMINAL WIDTH ACROSS FLATS OF THE HEXAGON.

## ① NOTES:

- 1. DIMENSIONS ARE IN INCHES.
- 2. THIS STANDARD IS NOT INTENDED TO LIMIT CONSTRUCTION TO FEATURES OTHER THAN AS SHOWN HEREON BY DIMENSIONS, NOTATIONS, OR REFERENCED DOCUMENTS.
- 3. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
- 4. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.
- 5. THE USE OF RECYCLED MATERIALS WHICH MEET THE REQUIREMENTS OF THE APPLICABLE MATERIAL SPECIFICATIONS WITHOUT JEOPARDIZING THE INTENDED USE OF THE ITEM SHALL BE ENCOURAGED.

Other Cust	TITLE	MILITARY STANDARD
	PLUG, MACHINE THREAD, MAGNETIC: DRAIN	MS 35844
PROCUREMENT SPECIFICATION	SUPERSEDES:	SHEET 2 OF 2

DD FORM 672-1

1 SEP 57

(Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.