

REVIEWER: AS, AT, CS, GL, ME, MU, OS  
USER: AV, MC, MI

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.

DASH NUMBER		PIPE SIZE NPT (SEE NOTES 7 AND 8) NOM	A THREAD LENGTH MIN	B HEIGHT OF SQUARE MIN	C ACROSS FLATS (SEE NOTE 5) NOM		G METAL THICKNESS (SEE NOTE 9)
IRON OR STEEL	ALUMINUM					MAX	
1	2	1/8-27	0.37	0.24	9/32	0.281	----
3	4	1/4-18	0.44	0.28	3/8	0.375	----
5	6	3/8-18	0.48	0.31	7/16	0.438	----
7	8	1/2-14	0.56	0.38	9/16	0.563	0.16
9	10	3/4-14	0.63	0.44	5/8	0.625	0.18
11	12	1 -11-1/2	0.75	0.50	13/16	0.813	0.20
13	14	1-1/4-11-1/2	0.80	0.56	15/16	0.938	0.22
15	16	1-1/2-11-1/2	0.83	0.62	1-1/8	1.125	0.24
17	18	2 -11-1/2	0.88	0.68	1-5/16	1.313	0.26
19	20	2-1/2-8	1.07	0.74	1-1/2	1.500	0.29
21	22	3 -8	1.13	0.80	1-11/16	1.688	0.31
23	24	3-1/2-8	1.18	0.86	1-7/8	1.875	0.34

**NOTES:**

- MATERIAL:** Iron or steel, or aluminum in accordance with procurement specification.
- PROTECTIVE COATING:** Iron or steel - Uncoated, cadmium plated, or zinc coated in accordance with procurement specification.  
Aluminum - Anodized or uncoated in accordance with procurement specification.
- THREADS:** Threads shall be American National Standard Taper pipe threads in accordance with Screw Thread Standards for Federal Services, Handbook M28.
- DIMENSIONS AND TOLERANCES:** Dimensions and tolerances not shown shall be in accordance with American National Standard ANSI B16.14.
- Nominal size of wrench in accordance with ANSI B18.2.1.
- The illustration is for identification purpose only and is not intended to restrict designs or shapes not dimensioned.
- Solid plugs are provided in sizes 1/8 to 3-1/2 inch, inclusive; cored plugs 1/2 to 1-1/2 inch, inclusive.
- For sizes 4 inch and larger see MS51885.
- Metal thickness at no point in the casting shall be less than 90 percent of the value given in the table.
- PART NUMBER:** The MS part number consists of the MS number, plus the dash number.  
A. For uncoated fitting use the MS number, plus the dash number.  
Example: MS51884-1 or MS51884-2.  
B. For anodized fitting add (A) to the dash number. Example: MS51884-2A.  
C. For cadmium plated fitting add (C) to the dash number. Example: MS51884-1C.  
D. For zinc coated fitting add (Z) to the dash number. Example: MS51884-1Z.  
E. For cored fitting add (H) to the dash number or the protective coating symbol.  
Example: MS51884-7H or MS51884-7CH. (See note 7).
- 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.

**(A) CANCELLED For procurement use WW-P-471**

P.A. WC Other Cust YD 82	TITLE PLUGS, PIPE-SQUARE HEAD, ALUMINUM, IRON OR STEEL	MILITARY STANDARD MS51884
PROCUREMENT SPECIFICATION WW-P-471	SUPSEDES:	SHEET 1 OF 1

APPROVED 28 SEPT 73 REVISED (A) 2 DEC 81

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE