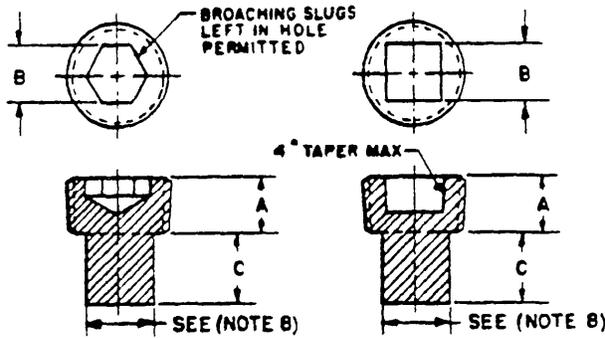


FED SUP CLASS  
4730



REVIEWER: AT, AV, CS, MF, MI  
USER: EL, MC, NI

DASH NUMBERS		NOMINAL SIZE NPTF	A		B		C	LIFT (NOTE 7) MIN.	HEAD STYLE
ALUMINUM	IRON OR STEEL SEE NOTE 12		MIN.	MAX.	MIN.	MAX.			
1	2	1/8 - 27	.290	.310	.186	.193	.375	4 02	HEX SOCKET
3	4	1/4 - 16	.445	.475	.250	.255	.375	4 02	HEX SOCKET
5	6	3/8 - 16	.445	.475	.313	.318	.375	4 02	HEX SOCKET
7	8	1/2 - 14	.590	.630	.375	.380	.375	4 02	HEX SOCKET
9	10	3/4 - 14	.600	.640	.563	.568	.500	6 02	HEX SOCKET
11	12	1 - 11 1/2	.750	.790	.625	.630	.500	6 02	HEX SOCKET
13	14	1 1/4 - 11 1/2	.800	----	.759	.780	.500	8 02	SQ. SOCKET
	16	1 1/2 - 11 1/2	.830	----	.759	.780	.500	8 02	SQ. SOCKET
	18	2 - 11 1/2	.880	----	.884	.900	.625	10 02	SQ. SOCKET
	20	2 1/2 - 8	1.070	----	1.137	1.160	.625	10 02	SQ. SOCKET
	22	3 - 8	1.130	----	1.391	1.410	.625	10 02	SQ. SOCKET
	24	* 4 - 8	1.220	----	2.022	2.040	.625	10 02	SQ. SOCKET

\* NPT only.  
NOTES:

- MATERIALS: Aluminum, iron or steel, in accordance with procurement specification.
- PROTECTIVE COATING: Aluminum, anodized in accordance with procurement specification.
- THREADS: Iron or steel, plain in accordance with procurement specification. Threads shall be NPTF up to and including the 3 inch size and NPT for the 4 inch size, in accordance with Screw-Thread Standards for Federal Services, Handbook H2E.
- DIMENSIONS AND TOLERANCES: Dimensions and tolerances not shown shall be in accordance with SAE Handbook for Automotive Pipe, Filler, and Drain Plugs (SAE J531) for sizes 1 inch and smaller and in accordance with American National Standard ANSI B16.14 for larger sizes.
- PART NUMBER: The MS part number consists of the MS number, plus the dash number.  
Example: MS49006-2.
- MAGNET: Permanent in accordance with Magnetic Materials Producers Association No. 0100-66.
- LIFT is defined as the weight of soft steel having one smooth side, that the magnet will retain after contact has been established, and at least 48 hours after magnetization.
- Maximum diameter of the magnet shall be at least 0.100 smaller than the pitch diameter of the thread.
- Referenced documents shall be of the issue in effect on the date of invitations for bid.
- For design feature purposes, this standard takes precedence over procurement documents referenced herein.
- The illustration is for identification purposes only and is not intended to restrict designs or shapes not dimensioned.
- Preferred.

CANCELLATION NOTE

This standard supersedes MS21336 and MS21339 which are cancelled after 25 April 1962. MS49006 parts are interchangeable with MS21336 and MS21339 parts of the same nominal size and material. The cancelled parts should be used until existing stock is depleted.

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.

P.A. 10C Other Coord 62	TITLE  PLUGS, PIPE, MAGNETIC-HEADLESS; ALUMINUM, IRON OR STEEL	MILITARY STANDARD  MS 49006
PROCUREMENT SPECIFICATION MIL-P-54007	SUPERSEDES MS21336 and MS21339	SHEET 1 OF 1

APPROVED 25 APR 62 REVISED 15 APR 71 21 APR 72 15 NOV 72



## SPECIFICATION ANALYSIS SHEET

Form Approved  
Budget Bureau No. 22-R255

**INSTRUCTIONS:** This sheet is to be filled out by personnel, either Government or contractor, involved in the use of the specification in procurement of products for ultimate use by the Department of Defense. This sheet is provided for obtaining information on the use of this specification which will insure that suitable products can be procured with a minimum amount of delay and at the least cost. Comments and the return of this form will be appreciated. Fold on lines on reverse side, staple in corner, and send to preparing activity. Comments and suggestions submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or serve to amend contractual requirements.

SPECIFICATION

ORGANIZATION

CITY AND STATE

CONTRACT NUMBER

MATERIAL PROCURED UNDER A

 DIRECT GOVERNMENT CONTRACT SUBCONTRACT

1. HAS ANY PART OF THE SPECIFICATION CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE?

A. GIVE PARAGRAPH NUMBER AND WORDING.

B. RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES

2. COMMENTS ON ANY SPECIFICATION REQUIREMENT CONSIDERED TOO RIGID

3. IS THE SPECIFICATION RESTRICTIVE?

 YES  NO (If "yes", in what way?)

4. REMARKS (Attach any pertinent data which may be of use in improving this specification. If there are additional papers attach to form and place both in an envelope addressed to preparing activity)

SUBMITTED BY (Printed or typed name and activity - Optional)

DATE

DD FORM 1426  
1 JAN 66

REPLACES EDITION OF 1 OCT 64 WHICH MAY BE USED

To detach this form, cut along this line.

FOLD

DEPARTMENT OF THE ARMY  
HEADQUARTERS  
U. S. ARMY WEAPONS COMMAND  
ROCK ISLAND, ILLINOIS 61201

OFFICIAL BUSINESS  
PENALTY FOR PRIVATE USE, \$300



POSTAGE AND FEES PAID  
DEPARTMENT OF THE ARMY

Commanding General  
U. S. Army Weapons Command  
ATTN: ~~XXXX-XXXX~~ SWERR-E-SC  
Rock Island, Illinois 61201

FOLD

To detach this form, cut along this line.