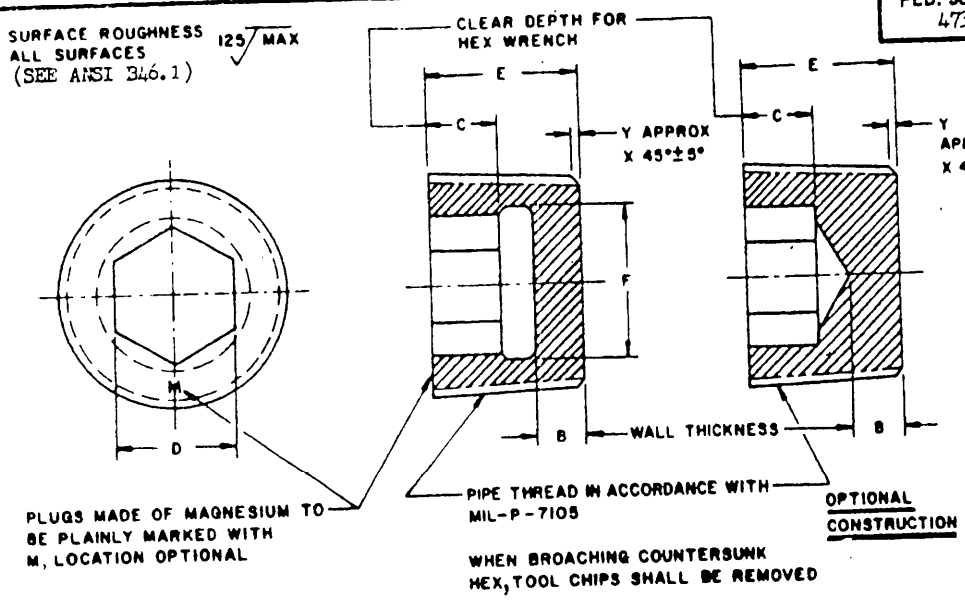
FED. SUP. CLASS
4730



MATERIAL: STEEL; BARS, RODS, OR FORGINGS; MIL-S-5626; HARDEN (OIL QUENCH) AND TEMPER, ROCKWELL HARDNESS C26-32.
(A) ALUMINUM ALLOY; BARS; AMS4121 (2014-T6) or QQ-A-225/9 (7075-T73). FORGINGS; QQ-A-367 (7075-T73).
COPPER ALLOY; BARS, RODS, OR FORGINGS; SEE PROCUREMENT SPECIFICATION.
MAGNESIUM ALLOY; BARS, SHAPES, OR RODS; QQ-M-31.
CORROSION RESISTANT STEEL (CRES); BARS, SHAPES, OR FORGINGS; QQ-S-763 (TYPE 347).
TITANIUM ALLOY; SEE PROCUREMENT SPECIFICATION.

TITANIUM IS NOT RECOMMENDED FOR USE IN OXYGEN SYSTEMS.

FINISH: STEEL, ALUMINUM ALLOY, COPPER ALLOY, CRES, TITANIUM ALLOY; SEE PROCUREMENT SPECIFICATION.
MAGNESIUM ALLOY; MIL-M-3171, TYPE III.

NO CODE LETTER IN PART NUMBER FOR PLATED STEEL.
ADD U IN PLACE OF DASH FOR UNPLATED STEEL.
(A) ADD D IN PLACE OF DASH FOR 2014-T6 ALUMINUM ALLOY. (A) ADD W IN PLACE OF DASH FOR 7075-T73 ALUMINUM ALLOY.
ADD C IN PLACE OF DASH FOR COPPER ALLOY.
ADD M IN PLACE OF DASH FOR MAGNESIUM ALLOY.
ADD S IN PLACE OF DASH FOR CRES.
ADD T IN PLACE OF DASH FOR TITANIUM ALLOY.
EXAMPLE OF PART NUMBERS:
MS27769-2 - PLUG, 1/8 ANPT, PLATED STEEL.
MS27769U2 - PLUG, 1/8 ANPT, UNPLATED STEEL.
(A) MS27769D2 - PLUG, 1/8 ANPT, 2014-T6 ALUMINUM ALLOY.
MS27769C2 - PLUG, 1/8 ANPT, COPPER ALLOY.
MS27769M2 - PLUG, 1/8 ANPT, MAGNESIUM ALLOY.
MS27769S2 - PLUG, 1/8 ANPT, CRES.
MS27769T2 - PLUG, 1/8 ANPT, TITANIUM ALLOY.
(A) MS27769W2 - PLUG, 1/8 ANPT, 7075-T73 ALUMINUM ALLOY
BREAK ALL SHARP EDGES AND REMOVE ALL HANGING BURRS AND SLIVERS.
PLUGS TO BE USED AS PERMANENT INSTALLATION ONLY.
MAGNESIUM ALLOY PLUGS SHALL NOT BE USED IN HYDRAULIC SYSTEMS OR HYDRAULIC VALVES.
DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCE: DECIMALS ±.010.
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) denotes changes

APPROVED 13 Apr 79 REVISED (A) 20 Apr 79

P.A. Air Force-99 Other Cus Navy-AS	International interest	TITLE PLUG, PIPE, COUNTERSINK HEX HEAD	MILITARY STANDARD MS 27769
Procurement Specification MIL-F-5509		SUPERSEDES: AN932	PAGE 1 OF 2

DD FORM 1 MAY 72 672 (Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. 4730-1014

This standard is approved 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 the document when applicable.
User activities Army - ME, AV Navy - AS Air Force - 99
Review activities Army - ME, AV Navy - AS Air Force - 99 DLA-CS

This military standard is approved 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 when applicable.

Review activities: Army - ME,AV
Navy - AS
Air Force - 99
DLA-CS

User activities: Army - ME,AV
Navy - AS
Air Force - 99

DASH NO.	PIPE THREAD ANPT	B MIN	C MIN	D MIN	D MAX	E	F MAX DIA	Y	WEIGHT MAX (LBS.) STEEL	AL ALLOY	COPPER ALLOY	MAGNESIUM ALLOY	CRES	TI ALLOY
1	1/16	.094	.094	.1563	.1582	.270	.187	.030						
2	1/8		.125	.1875	.1895		.244							
3	1/4	.125	.219	.2500	.2520	.410	.326	.050						
4	3/8			.3125	.3155		.400							
5	1/2		.312	.3750	.3780	.540	.463	.060						
6	3/4		.328	.5625	.5655	.550	.681							
7	1		.438	.6250	.6290	.690	.775	.080						
8	1-1/4		.453	.7500	.7540	.710	1.072							

P.A.
Air Force-99
Other Cust
Navy-AS

International interest

Procurement Specification
MIL-F-5509

SUPERSEDES: AN932

TITLE
PLUG, PIPE, COUNTERSINK HEX HEAD

MILITARY STANDARD
MS27769

PAGE 2 OF 2

FED. SUP. CLASS
4730

APPROVED 13 Apr 79

REVISED (A) For changes see page 1. 20 Apr 79

DD FORM 1 MAY 73 672 (Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

4730-1014