

Use activities: Army - ME, AV
Navy - AS
Air Force - 09

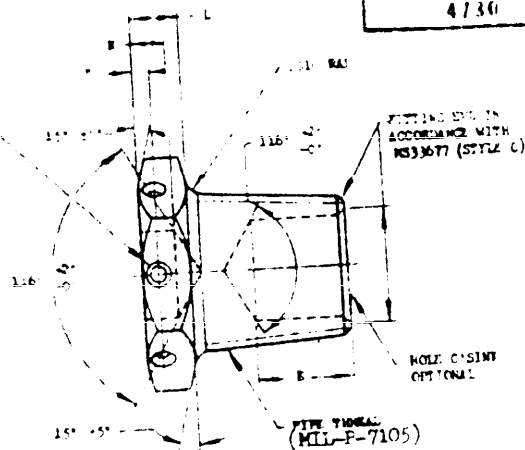
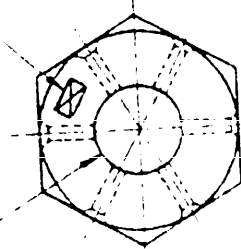
Army - ME, AV
Navy - AS
Air Force - 09
DIA - 03

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.

REFERENCE PART NO. REF

DRILL HOLE FOR SCREW (E-HOLE)
COUNT 5 X 1/8 DIA.

DRILL
HOLE



MATERIAL: COPPER ALLOY; BARS, QQ-B-413, COMPOSITION 353, HALF HARD.
STEEL; BARS OR SHAPES; SEE PROCUREMENT SPECIFICATION.
ALUMINUM ALLOY; BARS, RODS, OR FORGINGS; QQ-A-354, CONDITION T.
CORROSION RESISTANT STEEL (CRES); BARS, SHAPES, OR FORGINGS; SEE PROCUREMENT SPECIFICATION.
TITANIUM ALLOY; BARS, SHAPES, OR FORGINGS; SEE PROCUREMENT SPECIFICATION.

FINISH: SEE PROCUREMENT SPECIFICATION.

NO CODE LETTER IN PART NUMBER FOR STEEL.

ADD B IN PLACE OF DASH FOR COPPER ALLOY.

ADD D IN PLACE OF DASH FOR ALUMINUM ALLOY (EXCEPT 7075-T73).

ADD G IN PLACE OF DASH FOR CRES, TYPE 302, 303, 304, 316, AND 321.

ADD J IN PLACE OF DASH FOR CRES, TYPE 304.

ADD K IN PLACE OF DASH FOR CRES, TYPE 316.

ADD S IN PLACE OF DASH FOR CRES, TYPE 304L AND 316L. PARTS ARE NOT TO BE MANUFACTURED FROM TYPE 304L STEEL AFTER 10 FEBRUARY 1967.

ADD T IN PLACE OF DASH FOR TITANIUM ALLOY.

ADD W IN PLACE OF DASH FOR 7075-T73 ALUMINUM ALLOY.

TITANIUM IS NOT RECOMMENDED FOR USE IN OXYGEN SYSTEMS.

ITEMS CODED C ON PREVIOUS ISSUES OF THIS STANDARD ARE NO LONGER TO BE FURNISHED. PROCURING ACTIVITIES MUST SPECIFY APPLICABLE CRES MATERIAL CODE AS PART OF THE STANDARD PART NUMBER.

EXAMPLE OF PART NUMBERS:

AN933-6 - PLUG, 3/4 PIPE THREAD, STEEL.

AN933B6 - PLUG, 3/4 PIPE THREAD, COPPER ALLOY.

⑥ AN933D6 - PLUG, 3/4 PIPE THREAD, ALUMINUM ALLOY (EXCEPT 7075-T73).

~~AN933G6 - PLUG, 3/4 PIPE THREAD, CRES, TYPE 302, 303, 304, 316, OR 321.~~

AN933J6 - PLUG, 3/4 PIPE THREAD, CRES, TYPE 304.

AN933K6 - PLUG, 3/4 PIPE THREAD, CRES, TYPE 316.

AN933S6 - PLUG, 3/4 PIPE THREAD, CRES, TYPE 316L.

AN933T6 - PLUG, 3/4 PIPE THREAD, TITANIUM ALLOY.

⑦ AN933W6 - PLUG, 3/4 PIPE THREAD, 7075-T73 ALUMINUM ALLOY.

BREAK ALL SHARP EDGES AND REMOVE ALL HANGING BURRS AND SLIVERS.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: TWO PLACE DECIMALS ± 0.02 , THREE PLACE DECIMALS ± 0.010 .

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.

⑤ Changes changed

P.A. Air Force-99 Other Cost	International Interest	AIR FORCE - NAVY AERONAUTICAL STANDARD	AN933
		PLUG, PIPE, HEX HEAD	
Procurement Symbol MIL-P-5009		SUPERSEDES:	PAGE 1 OF 2

DD FORM 672-1 (Coordinate) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

178-2-71

21 MAR 79
⑥
15 JUN 73
⑤
10 FEB 67
④
1 JUN 54
③
1 JUN 63
②
6 FEB 48
①
REVISED

APPROVED 24 DEC 47

FED. SUP. CLASS
4730

Review activities: Army - ME, AV
Navy - AS
Air Force - 99
DLA-05

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

DASH NO.	PIPE THREAD ANPT	E	L	M	N	F DIA	WEIGHT MAX. (LBS.)			
							COPPER ALLOY	STEEL	AL ALLOY	Ti ALLOY
0	1/16		.219	.092	.156	.188				
1	1/8					.219				
2	1/4	.31	.254			.312				
3	3/8	.34	.297			.375				
4	1/2	.43	.312	.125	.188	.469				
6	3/4	.40	.375			.562				
8	1	.54				.688				
10	1-1/4	.39	.406		.203	.875				
12	1-1/2	.28				1.000				
16	2	.14				1.125				
20	2-1/2	.38				1.500				

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P.A.
Air Force-99
Other Cust

International
Intersect

AIR FORCE - NAVY AERONAUTICAL STANDARD

PIPE, RIFED, HDN HEAD

AN 933

Procurement specification
MIL-P-1557

SUPERSEDES:

PAGE 2 OF 2

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APPROVED 24 DEC 47 REVISED 5 For changes see page 1. 21 MAR 79