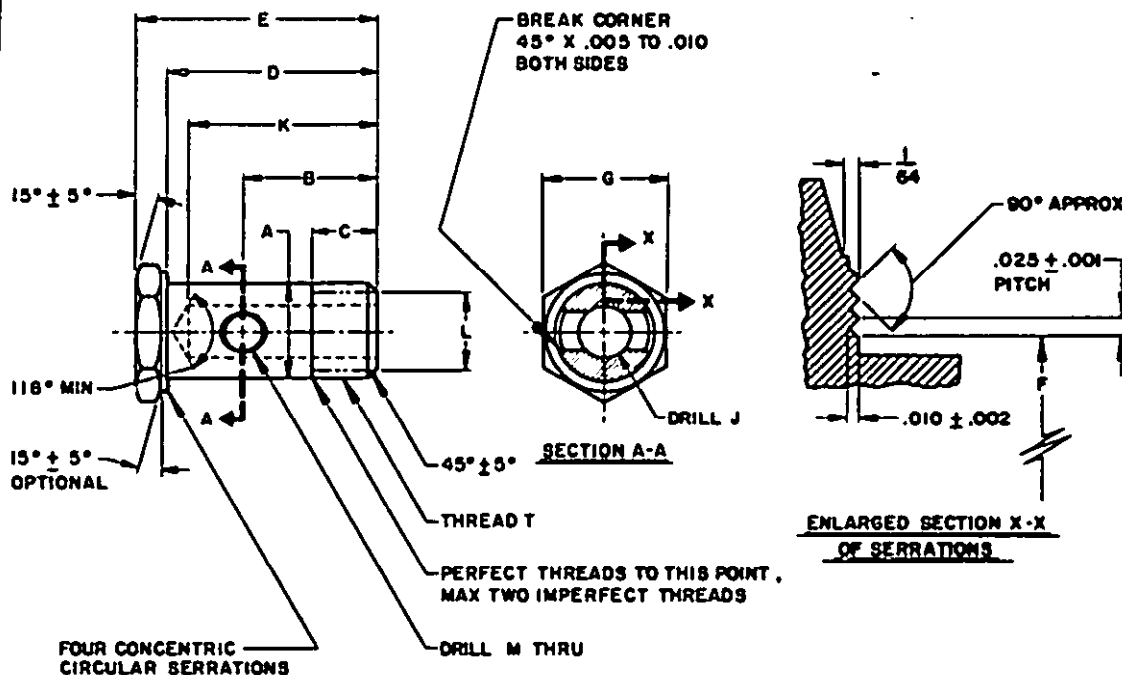


FED. SUP CLASS
 4730

USER ACTIVITIES
 ARMY - , AV

REVIEWED ACTIVITIES
 NAVY - AS
 OLA - C8

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



DIMENSIONS T, A, V, AND J SHALL BE CONCENTRIC WITHIN .003 TOTAL INDICATOR READING.
 MATERIAL: STEEL (125,000 PSI MINIMUM TENSILE STRENGTH); ALUMINUM ALLOY, CORROSION RESISTANT
 STEEL (CRES); TITANIUM ALLOY; BARS, SHAPED, OR FORGINGS (SEE PROCUREMENT SPECIFICATION).

FINISH: SEE PROCUREMENT SPECIFICATION.

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

NO CODE LETTER IN PART NUMBER FOR STEEL.
 ADD D AFTER DASH NUMBER FOR ALUMINUM ALLOY (EXCEPT 7075-T73).
 ADD J AFTER DASH NUMBER FOR CRES, TYPE 304.
 ADD K AFTER DASH NUMBER FOR CRES, TYPE 316.
 ADD S AFTER DASH NUMBER FOR CRES, TYPE 347.
 ADD T AFTER DASH NUMBER FOR TITANIUM ALLOY.
 ADD W AFTER DASH NUMBER FOR 7075-T73 ALUMINUM ALLOY.

TITANIUM IS NOT RECOMMENDED FOR USE IN OXYGEN SYSTEMS.

EXAMPLE OF PART NUMBERS:
 AN775-B - BOLT, 1/2 TUBING, STEEL.
 AN775-BD - BOLT, 1/2 TUBING, ALUMINUM ALLOY (EXCEPT 7075-T73).
 AN775-BJ - BOLT, 1/2 TUBING, CRES, TYPE 304.
 AN775-BK - BOLT, 1/2 TUBING, CRES, TYPE 316.
 AN775-BS - BOLT, 1/2 TUBING, CRES, TYPE 347.
 AN775-BT - BOLT, 1/2 TUBING, TITANIUM ALLOY.
 AN775-BW - BOLT, 1/2 TUBING, 7075-T73 ALUMINUM ALLOY.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: FRACTIONS ±1/64, ANGLES ±1/2°.

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.

17 ENTIRE STANDARD REVISED

P. A. AIR FORCE - 82 Other Cost AF-99	INTERNATIONAL INTEREST	AIR FORCE-NAVY AERONAUTICAL STANDARD		AN775
BOLT - FLUID PASSAGE				
PROCUREMENT SPECIFICATION MIL-F-5509		SUPERSEDED		SHEET 1 OF 2

DD FORM 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PROJECT 4730-0356

APPROVED 3 FEB 41 REVISED 12 22 Mar 84

FED. SUP. CLASS:
 4730

USER ACTIVITIES:
 ARMY - AV

DASH. NO.	TUBING OD	THREAD T (REF)	A +.000 -.004 DIA	B ±.010:	C	D
4	1/4	7/16-20UNJF-3A	.435	.781	7/16	1- 3/16
5	5/16	1/2 -20UNJF-3A	.498			
6	3/8	9/16-18UNJF-3A	.560	.875	15/32	1-11/32
8	1/2	3/4 -16UNJF-3A	.748	1.094-	9/16	1-11/16
10	5/8	7/8 -14UNJF-3A	.873	1.250:	19/32	1-31/32
12	3/4	1-1/16-12 UNJ-3A	1.060	1.468	21/32	2- 5/16
16	1	1-5/16-12 UNJ-3A	1.310	1.687		2-13/16

REVIEWER ACTIVITIES:
 NAVY - AS
 DLA - CS

DASH NO.	E	F +.010 -.000 DIA	G	J DIA	K	L DIA	M DIA
4	1- 3/8	.469	6.88	11/64	1- 5/32	11/32	3/16
5		.531	.750	15/64		13/32	7/32
6	1- 9/16	.594	.813	19/64	1- 5/16	15/32	1/4
8	1-15/16	.781	1.000	25/64	1-21/32	5/8	5/16
10	2- 1/4	.906	1.125	31/64	1-15/16	3/4	3/8
12	2- 5/8	1.094	1.375	39/64	2- 5/32	15/16	7/16
16	2- 3/16	1.344	1.625	27/32	2-37/64	1- 3/16	5/8

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APPROVED 3 FEB 41 REVISED 12 FOR CHANGES SEE PAGES 1 & 2.

12 ENTIRE STANDARD REVISED

P. A.
 AIR FORCE-82.
 Other Cost
 AF-99..

INTERNATIONAL
 INTEREST:

AIR FORCE-NAVY AERONAUTICAL STANDARD

BOLT, FLUID PASSAGE

AN775

PROCUREMENT SPECIFICATION
 MIL-F-5509

SUPERSEDES:

SHEET 2 OF 2.

DD FORM 672-1 (COORDINATED)

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PROJECT 4730-0356