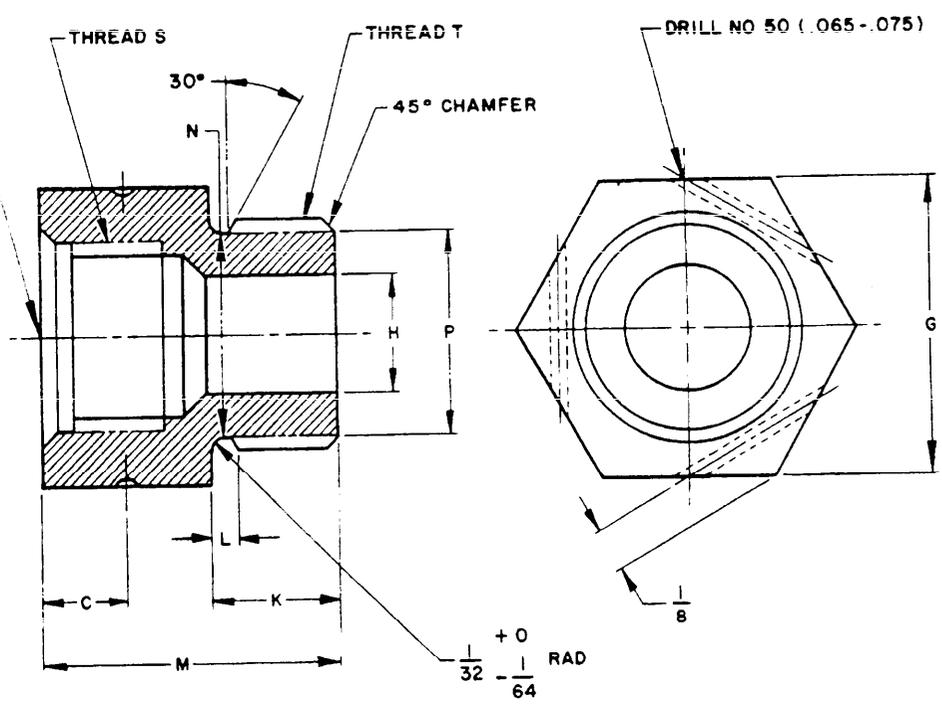


FED. SUP CLASS
 4730

USER ACTIVITIES

REVIEWER ACTIVITIES
 AIR FORCE - II
 ARMY - AV, MI
 DLA - CS

BOSS DIMENSIONS IN ACCORDANCE WITH MS33649
 FOR INTERNAL THREADED END



DIAMETERS S, N, H, AND T SHALL BE CONCENTRIC WITHIN .005 FILL INDICATOR READING.

MATERIAL: STEEL - BARS, SHAPES, OR FORGINGS.
 ALUMINUM ALLOY - BARS, SHAPES, OR FORGINGS, TITANIUM ALLOY - BARS, SHAPES OR FORGINGS.
 CORROSION RESISTANT STEEL - BARS, SHAPES, OR FORGINGS.
 SEE PROCUREMENT SPECIFICATION.

FINISH: SEE PROCUREMENT SPECIFICATION.

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 CORROSION RESISTANT STEEL, TYPE 304.
 ADD K AFTER DASH NUMBER FOR CORROSION RESISTANT STEEL, TYPE 316.
 ADD S AFTER DASH NUMBER FOR CORROSION RESISTANT STEEL, TYPE 347.
 ADD W AFTER DASH NUMBER FOR 7075-T73.
 ADD T AFTER DASH NUMBER FOR TITANIUM.

EXAMPLE OF PART NUMBERS:
 AN893-4 - BUSHING, 1/4 TO 3/4 TUBING, STEEL.
 AN893-4D - BUSHING, 1/4 TO 3/4 TUBING, ALUMINUM ALLOY (EXCEPT 7075-T73).
 AN893-8J - BUSHING, 5/16 TO 1/2 TUBING, CORROSION RESISTANT STEEL, TYPE 304.
 AN893-8K - BUSHING, 5/16 TO 1/2 TUBING, CORROSION RESISTANT STEEL, TYPE 316.
 AN893-8S - BUSHING, 5/16 TO 1/2 TUBING, CORROSION RESISTANT STEEL, TYPE 347.
 AN893-4W - BUSHING, 1/4 TO 3/4 TUBING, 7075-T73.
 AN893-4T - BUSHING, 1/4 TO 3/4 TUBING, TITANIUM.

BREAK ALL SHARP EDGES AND REMOVE ALL HANGING BURRS AND SLIVERS WHICH MIGHT BECOME DISLODGED UNDER USAGE.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: FRACTIONS $\pm 1/64$, ANGLES $\pm 1/2^\circ$.

TITANIUM NOT FOR USE IN OXYGEN SYSTEMS.

10 ENTIRE STANDARD REVISED

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.

P. A. AIR FORCE - 82 Other Cus: ARMY - AV NAVY - AS AIR FORCE - 99	INTERNATIONAL INTEREST	AIR FORCE-NAVY AERONAUTICAL STANDARD	
		BUSHING, SCREW THREAD, REDUCER	
PROCUREMENT SPECIFICATION MIL - F - 5509	SUPERSEDES:	AN893	
		SHEET	OF 2

DD FORM 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PROJECT 4730-0299

APPROVED 22 OCT 42 REVISED 9 16 APRIL 82 10 5 OCT 83

FED. SUP CLASS
4730

USER ACTIVITIES

REVIEWER ACTIVITIES
 AIR FORCE - II
 ARMY - AV, MI
 DLA - CS

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DASH NO.	INTERNALLY THREADED END				EXTERNALLY THREADED END						OVERALL		
	TUBING OD	THREAD S (REF)	C	H +.010 -.000 DIA	TUBING OD	(a) THREAD T REF	K	L +.015 -.000 DIA	N +.002 -.003 DIA	P DIA	G	M	
1	1/4	.4375-20UNJF-3B	3/8	.206	5/16	1/2 -20UNJF-3A	3/8	.075	.427	13/32	.750	±.004	1- 7/64
2			11/32		3/8	9/16-18UNJF-3A	27/64	.083	.482	15/32	.813		
3			5/32	.383	1/2	3/4 -16UNJF-3A	15/32	.094	.660	5/8	1.000	±.005	25/32
31			5/8		7/8 -14UNJF-3A	17/32	.107	.773	3/4	1.125	27/32		
4			3/4		1-1/16-12UNJ -3A	19/32	.125	1.195	1-3/16	1.625	±.016		31/32
5			1	1-5/16-12UNJ -3A									
6			1-1/4	1-5/8 -12UNJ -3A	1.507							1-1/2	1.875
7	5/16	.5000-20UNJF-3B	11/32	.257	3/8	9/16-18UNJF-3A	27/64	.083	.482	15/32	.813	±.004	1- 7/64
8			5/16		1/2	3/4 -16UNJF-3A	15/32	.094	.660	5/8	1.000		
81			5/32	.446	5/8	7/8 -14UNJF-3A	17/32	.107	.773	3/4	1.125	±.005	27/32
9			3/4		1-1/16-12UNJ -3A	19/32	.125	1.195	1-3/16	1.625	±.016		31/32
10			1		1-5/16-12UNJ -3A								
11			1-1/4	1-5/8 -12UNJ -3A	1.507							1-1/2	1.875
12			3/8	.5625-18UNJF-3B	5/16	.319	1/2	3/4 -16UNJF-3A	15/32	.094	.660	5/8	1.000
121	5/8	7/8 -14UNJF-3A			17/32		.107	.773	3/4	1.125	±.005	1- 7/32	
13	3/4	1-1/16-12UNJ -3A			13/64	.502	19/32	.125	1.195	1-3/16		1.625	±.016
14	1	1-5/16-12UNJ -3A											
15	1-1/4	1-5/8 -12UNJ -3A									1.507		
151	1/2	.7500-16UNJF-3B	7/16	.530	5/8	7/8--14UNJF-3A	17/32	.107	.773	3/4	1.125	±.005	1- 3/8
16			3/4		1-1/16-12UNJ -3A	19/32	.125	1.195	1-3/16	1.625	±.016		1-11/32
17			1	1-5/16-12UNJ -3A									
18			1-1/4	1-5/8 -12UNJ -3A	1.507							1-1/2	1.875
19	5/8	.8750-14UNJF-3B	13/64	.555	3/4							1-1/16-12UNJ -3A	19/32
20	1	1-5/16-12UNJ -3A											
21	1-1/4	1-5/8 -12UNJ -3A				1.507	1-1/2	1.875					
22	3/4	1.0625-12UNJ -3B	1	.937	1-5/16-12UNJ -3A	19/32	.125	1.195	1-3/16	1.625	±.016	1-37/64	
23			1		1-5/16-12UNJ -3A								
24			1	1.3125-12UNJ -3B	1.222							1-1/4	1-5/8 -12UNJ -3A

APPROVED 1 JUNE 54 REVISED 10 FOR CHANGES SEE PAGES 1 & 2

10 ENTIRE STANDARD REVISED

P. A.
AIR FORCE -82
 Other Cust
 ARMY - AV
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AIR FORCE -99

INTERNATIONAL
 INTEREST

AIR FORCE-NAVY AERONAUTICAL STANDARD
BUSHING, SCREW THREAD, REDUCER

AN893

PROCUREMENT SPECIFICATION
MIL - F - 5509

SUPERSEDES:

SHEET **2** OF **2**

DD FORM 672-1 (COORDINATED)
 1 MAY 53

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