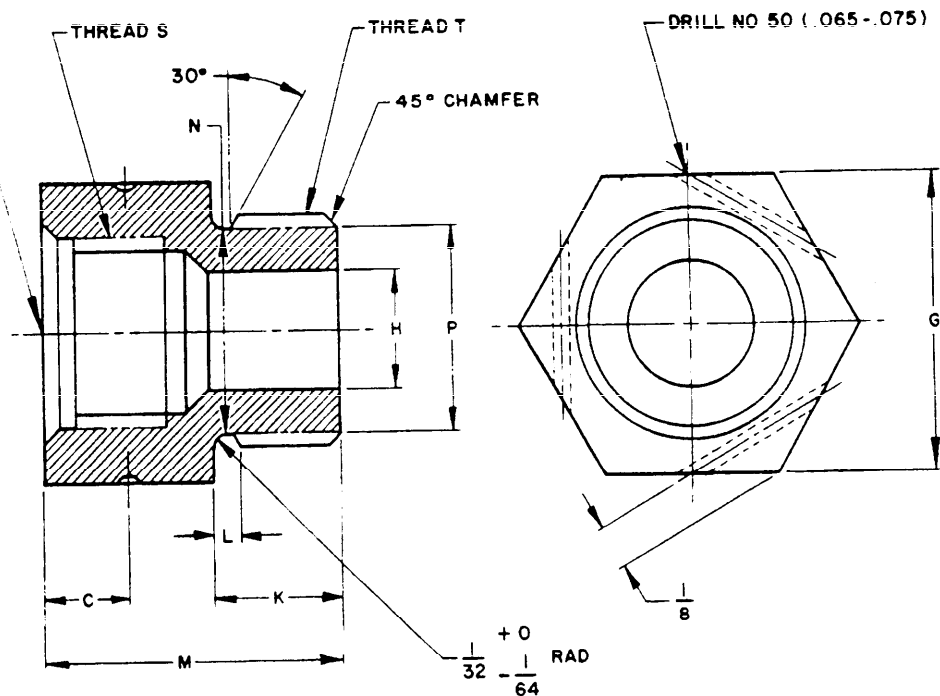


USER ACTIVITIES

REVIEWER ACTIVITIES
AIR FORCE - II
ARMY - AV, MI
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.

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.
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

P. A. AIR FORCE - 82 Other Cust ARMY - AV NAVY - AS AIR FORCE - 99	INTERNATIONAL INTEREST	AIR FORCE -NAVY AERONAUTICAL STANDARD	AN893
		BUSHING, SCREW THREAD, REDUCER	
PROCUREMENT SPECIFICATION MIL - F - 5509	SUPERSEDES:		SHEET 1 OF 2

DD FORM 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PROJECT 4730-0299

5 Oct 83

16 APRIL 82 (10)

REVISED 9

APPROVED 22 OCT 42

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	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	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	25/32
31			5/8		7/8 -14UNJF-3A	17/32	.107	.773	3/4	1.125	27/32	
4			13/64		3/4	1-1/16-12UNJ -3A	19/32	.125	.945	15/16		1.375
5					1	1-5/16-12UNJ -3A			1.195	1-3/16	1.625	31/32
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	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	27/32
9			13/64		3/4	1-1/16-12UNJ -3A	19/32	.125	.945	15/16	1.375	31/32
10					1	1-5/16-12UNJ -3A			1.195	1-3/16	1.625	
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	1-11/64
121					5/8	7/8 -14UNJF-3A	17/32	.107	.773	3/4	1.125	1- 7/32
13			13/64	.502	3/4	1-1/16-12UNJ -3A	19/32	.125	.945	15/16	1.375	31/32
14					1	1-5/16-12UNJ -3A			1.195	1-3/16	1.625	
15					1-1/4	1-5/8 -12UNJ -3A			1.507	1-1/2	1.875	
151	1/2	.7500-16UNJF-3B	7/16	.530	5/8	7/8--14UNJF-3A	17/32	.107	.773	3/4	1.125	1- 3/8
16			13/64	.680	3/4	1-1/16-12UNJ -3A	19/32	.125	.945	15/16	1.375	1-11/32
17				.682	1	1-5/16-12UNJ -3A			1.195	1-3/16	1.625	31/32
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	.125	.945	15/16	1.375	1- 3/8
20				.798	1	1-5/16-12UNJ -3A			1.195	1-3/16	1.625	31/32
21					1-1/4	1-5/8 -12INJ -3A			1.507	1-1/2	1.875	
22	3/4	1.0625-12UNJ -3B		.937	1	1-5/16-12UNJ -3A			1.195	1-3/16	1.625	1-37/64
23				.972								31/32
24	1	1.3125-12UNJ -3B		1.222	1-1/4	1-5/8 -12UNJ -3A			1.507	1-1/2	1.875	1- 3/8

(10) ENTIRE STANDARD REVISED

P. A.
AIR FORCE-82
Other Cust
ARMY - AV
NAVY - AS
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)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

USER ACTIVITIES

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