



(a) DIAMETER A, DIAMETER F, AND THREAD T SHALL BE CONCENTRIC WITHIN .005 TOTAL INDICATOR READING.

MATERIAL: STEEL, ALUMINUM ALLOY; BARS OR SHAPES.
CORROSION RESISTANT STEEL (CRES), TITANIUM ALLOY; BARS, OR SHAPES.
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 CRES, TYPE 304.
ADD K AFTER DASH NUMBER FOR CRES, TYPE 316.
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:
AN817-4 - NUT, 1/4 TUBING, STEEL.
AN817-4D - NUT, 1/4 TUBING, ALUMINUM ALLOY (EXCEPT 7075-T73).
AN817-4J - NUT, 1/4 TUBING, CRES, TYPE 304.
AN817-4K - NUT, 1/4 TUBING, CRES, TYPE 316.
AN817-4T - NUT, 1/4 TUBING, TITANIUM ALLOY.
AN817-4W - NUT, 1/4 TUBING, 7075-T73 ALUMINUM ALLOY.

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 $\pm 1/64$, DECIMALS $\pm .005$, ANGLES $\pm 1/2$

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.

12 See sheet 1 & 2 for changes

P. A. AIR FORCE - 82 Other Cust AIR FORCE - 99	INTERNATIONAL INTEREST	AIR FORCE-NAVY AERONAUTICAL STANDARD		AN817
		NUT, TUBE COUPLING, LONG		
PROCUREMENT SPECIFICATION MIL-F-5509	SUPERSEDES:	SHEET 1 OF 2		

DD FORM 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CANCELLED

USER ACTIVITIES

NAVY-AS
ARMY-AM
DLA-CS

REVIEWER ACTIVITIES

AMSC N/A
DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.
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.

12 31 MAR 87

22 MAR 1984

REVISED 11

APPROVED 13 DEC 40

USER ACTIVITIES

REVIEWER ACTIVITIES
NAVY-AS
ARMY-AV
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

DASH NO.	TUBING OD	THREAD T (MIL-S-8878)	A +.003 -.000 DIA	B	C	D +.005 -.000 DIA	E RAD	F DIA	
2	1/8	5/16-24UNJF-3B	.130	3/32	.375	.183	1/32	.2674	+.0065
3	3/16	3/8-24UNJF-3B	.193		.438	.246		.3299	-.0000
4	1/4	7/16-20UNJF-3B	.255		.563	.308		.3834	+.0072
5	5/16	1/2-20UNJF-3B	.318		.625	.371		.4459	-.0000
6	3/8	9/16-18UNJF-3B	.380		.688	.433		.5024	+.0076
8	1/2	3/4-16UNJF-3B	.505	1/8	.875	.558	1/16	.6823	+.0080
10	5/8	7/8-14UNJF-3B	.631	3/16	1.000	.694	3/32	.7977	+.0085
12	3/4	1-1/16-12UNJ-3B	.756		1.250	.829		.9723	-.0000
16	1	1-5/16-12UNJ-3B	1.006		1.500	1.099		1.2223	+.0090
20	1-1/4	1-5/8-12UNJ-3B	1.260		2.000	1.353		1.5348	-.0000
24	1-1/2	1-7/8-12UNJ-3B	1.510		2.250	1.603		1.7848	
28	1-3/4	2-1/4-12UNJ-3B	1.762	9/32	2.625	1.875	7/64	2.1598	
32	2	2-1/2-12UNJ-3B	2.014	5/16	2.875	2.127		2.4098	

DASH NO.	H DIA	J	L	M	N	Q	R RAD	U	V +.000 -.010 DIA
2	5/16	1/4	.282	27/32	.010	.220	1-11/32	.005	.375
3	3/8	17/64	.313	15/16		.251	1-25/32		.437
4	7/16	21/64	.375	1		.300	1-3/8		.562
5	1/2			1-1/16		1-43/64	.625		
6	9/16	11/32	.385	1-3/32		.302	1-47/64		.687
8	3/4	29/64	.438	1-9/32		.344	1-5/8	.875	
10	7/8	33/64	.521	1-31/64		.414	2-1/16	.010	1.000
12	1-1/16	41/64	.594	1-21/32		.469	1-47/64	1.250	
16	1-5/16	47/64	.625	1-15/16		.500	2-11/16	1.500	
20	1-5/8			2-3/16		2-13/32	2.000		
24	1-7/8	53/64	.708	2-5/16	.583	2-33/64	2.250		
28	2-1/4	55/64	.792	2-1/2	.667	2-21/32	.015	2.625	
32	2-1/2	59/64	.875	2-3/4	.750	3-1/32		2.875	

P. A. AIR FORCE-82 Other Cast AIR FORCE-99	INTERNATIONAL INTEREST	AIR FORCE-NAVY AERONAUTICAL STANDARD		AN817
PROCUREMENT SPECIFICATION MIL-F-5509			SUPERSEDES:	
NUT, TUBE COUPLING, LONG			SHEET 2 OF 2	

APPROVED 13 DEC 40 REVISED (11) FOR CHANGES SEE PAGES 1 & 2.