

FED. SUPPLY CLASS

5310

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
1000 WILSON BLVD.
ARLINGTON, VA 22209

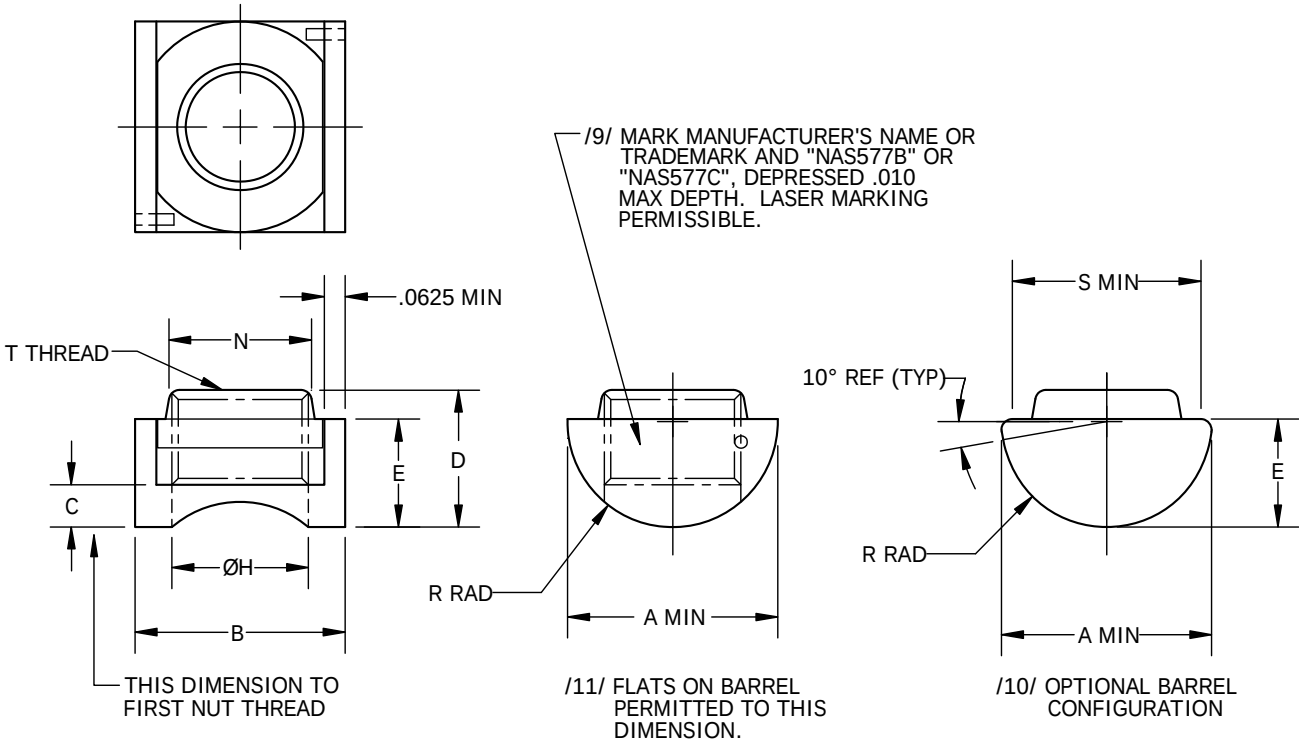


TABLE I - DASH NUMBERS AND DIMENSIONS

DASH NO.	THREAD T	A +.000 -.003	A MIN	INSTALLATION HOLE (REF) /7/		B ±.010	C ±.005	D MAX	E +.000 -.010	H +.010 -.000
				MIN	MAX					
4	.2500 - 28 UNJF-3B	.528	.518	.531	.535	.625	.125	.406	.320	.281
5	.3125 - 24 UNJF-3B	.590	.580	.594	.599	.688	.125	.468	.360	.344
6	.3750 - 24 UNJF-3B	.684	.674	.688	.693	.750	.156	.531	.420	.406
7	.4375 - 20 UNJF-3B	.778	.768	.781	.788	.875	.188	.625	.470	.469
8	.5000 - 20 UNJF-3B	.872	.862	.875	.882	1.000	.219	.703	.540	.531
9	.5625 - 18 UNJF-3B	.965	.955	.969	.976	1.094	.250	.765	.590	.594
10	.6250 - 18 UNJF-3B	1.060	1.050	1.062	1.072	1.125	.281	.844	.650	.656
12	.7500 - 16 UNJF-3B	1.278	1.268	1.281	1.291	1.500	.344	1.062	.750	.781
14	.8750 - 14 UNJF-3B	1.433	1.418	1.438	1.448	1.531	.375	1.156	.850	.906
16	1.0000 - 12 UNJF-3B	1.559	1.544	1.562	1.572	1.728	.375	1.281	.880	1.032
/8/ 17	1.0000 - 14 UNS-3B	1.559		1.562	1.572	1.728	.375	1.281	.880	1.032
18	1.1250 - 12 UNJF-3B	1.872	1.857	1.875	1.885	2.063	.438	1.562	1.230	1.156
20	1.2500 - 12 UNJF-3B	2.122	2.107	2.125	2.135	2.352	.500	1.813	1.320	1.281
22	1.3750 - 12 UNJF-3B	2.372	2.357	2.375	2.385	2.646	.562	2.000	1.460	1.406
24	1.5000 - 12 UNJF-3B	2.622	2.607	2.625	2.635	3.000	.625	2.187	1.520	1.531

16 COMPLETELY REVISED

THIRD ANGLE PROJECTION

PROCUREMENT SPECIFICATION

NOTED

CUSTODIAN
NATIONAL AEROSPACE STANDARDS COMMITTEE

TITLE
**NUT, SELF-LOCKING, BARREL, FLOATING
180 KSI Ft**

REVISION
16

CLASSIFICATION
PART STANDARD

NAS577
SHEET 1 OF 5

TABLE I – DASH NUMBERS AND DIMENSIONS (CONTINUED)

DASH NO.	N MAX	R +.0015 -.0000	S MIN	/2/		REF WEIGHT LB/100	HARDNESS RANGES HRC			
				AXIAL TENSILE STRENGTH LBF MIN	TENSILE LOADING RATE LBF/MINUTE (±10%)		ALLOY STEEL /2/		NICKEL ALLOY	
							NUT	BARREL	NUT	BARREL
4	.375	.2625	.380	7,200	5,000	1.50	~~34~~ – 41	36 – 43	48 HRC MAX	
5	.406	.2935	.434	11,400	7,700	2.00	~~36~~ – 43	41 – 46		
6	.500	.3405	.438	17,000	11,000	3.00	~~41~~ – 46	41 – 46		
7	.563	.3875	.500	23,000	15,000	5.10	~~36~~ – 43	41 – 46		
8	.625	.4345	.580	30,700	19,600	8.20	~~36~~ – 43	41 – 46		
9	.688	.4810	.625	38,900	24,800	14.00	~~36~~ – 43	41 – 46		
10	.750	.5285	.670	48,700	30,600	18.00	~~36~~ – 43	36 – 43		
12	.875	.6375	.825	70,800	44,000	23.00	~~39~~ – 41	36 – 43		
14	1.000	.7150	1.000	96,600	60,000	31.00	~~34~~ – 41	36 – 43		
16	1.125	.7780	1.090	125,900	78,000	44.00	~~34~~ – 46	36 – 43		
~~17~~	~~1.125~~			~~128,250~~	~~78,000~~	~~44.00~~	~~39~~ – 46	~~36~~ – 43		
18	1.250	.9345	1.310	161,000	100,000	78.00	~~39~~ – 46	36 – 43		
20	1.375	1.0595	1.500	201,000	122,000	120.00	~~39~~ – 46	36 – 43		
22	1.500	1.1845	1.500	246,000	148,000	165.00	~~39~~ – 46	36 – 43		
24	1.625	1.3095	1.500	295,000	176,000	215.00	~~39~~ – 46	36 – 43		

MATERIAL:

~~NO CODE: NUT AND BARREL SHALL BE FABRICATED FROM NON-CORROSION RESISTANT STEEL. EXCEPT THAT IN THOSE INSTANCES WHERE THE ROCKWELL "C" RANGE IN THE ABOVE TABLE IS 39 – 46 OR 41 – 48, THE MATERIAL SHALL BE EITHER 8740 (MIL S-6040) OR 4340 (MIL S-5000) STEEL BAR ONLY. NO CODE WAS USED AS A SUFFIX IN PART NUMBER.~~

EXAMPLE: NAS577-8

~~"K" CODE: NUT AND BARREL SHALL BE FABRICATED FROM NON-CORROSION RESISTANT STEEL. NON-METALLIC LOCKING DEVICE ONLY, FOR USE TO 250°F. "K" CODE WAS USED AS A SUFFIX IN PART NUMBER. EXAMPLE: NAS577-8K.~~

"B" CODE: NUT AND BARREL SHALL BE FABRICATED FROM 8740 (UNS G87400) STEEL PER ~~MIL S-6040~~ OR AMS6322 OR 4340 (UNS G43400) STEEL PER ~~MIL S-8844~~, CLASS 1 AMS6414. PERMISSIBLE FINISH CODES: "F", "FX", "A", AND "AX".

"C" CODE: NUT AND BARREL SHALL BE FABRICATED FROM NICKEL ALLOY 718 (UNS N07718) PER AMS5662, AMS5663 OR AMS5962. PERMISSIBLE FINISH CODES: "A", "AX", "GX", "D", ~~"DX"~~, "P" AND ~~"PX"~~.

HARDNESS RANGES ARE NOTED IN TABLE. HEAT TREATMENT IN ACCORDANCE WITH AMS2759. IN NO CASE SHALL TEMPERING TEMPERATURE BE LESS THAN 725 °F FOR 8740 STEEL AND 775 °F FOR 4340 STEEL.

FINISH: ALL ACTIVE FINISH CODES IDENTIFY AN ALL METAL LOCKING DEVICE.

"A" CODE: NUT AND BARREL TO BE CADMIUM PLATED PER AMS-QQ-P-416, TYPE II, CLASS 2.

"D" CODE: NUT AND BARREL TO BE PASSIVATED PER AMS2700, METHOD 1, TYPE 2 OR TYPE 8, CLASS 4.

"F" CODE: NUT AND BARREL TO BE CADMIUM FLUOROBORATE PLATED PER NAS672 OR VACUUM DEPOSITED CADMIUM COATED PER AMS-C-8837, TYPE II, CLASS 3.

"G" CODE: SILVER PLATE NUT THREADS PER AMS2410 OR AMS2411. SILVER PLATING ON REMAINING NUT SURFACES IS OPTIONAL. BARREL TO BE PASSIVATED PER AMS2700, METHOD 1, TYPE 2 OR TYPE 8, CLASS 4.

"P" CODE: NUT TO BE PASSIVATED PER AMS2700, METHOD 1, TYPE 2 OR TYPE 8, CLASS 4. ALUMINUM COAT BARREL PER NAS4006.

"X" CODE: ADD AFTER "D", "G", "P", "F", OR "A" TO INDICATE NO LUBRICANT.

REVISION

16

16 COMPLETELY REVISED



Documents
SHEET 2

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