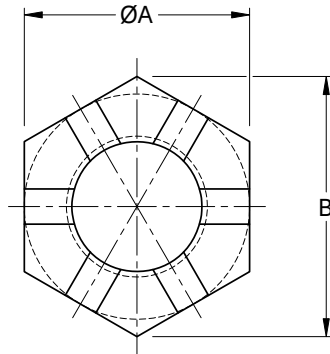


FED. SUPPLY CLASS

5310



ROUND OR SQUARE BOTTOM
CASTELLATION OPTIONAL

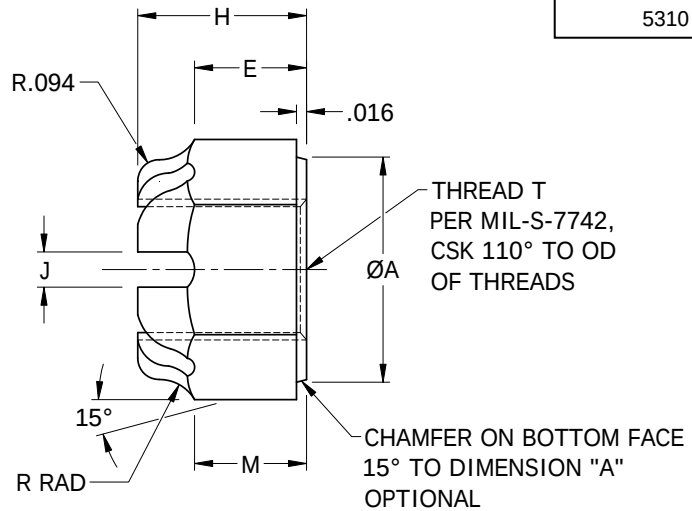


TABLE I – DIMENSIONS AND STRENGTH VALUES

AN PART NO.	T THREAD	ULTIMATE TENSILE STRENGTH LBF MIN		ØA /1/	B APPROX ±.016	E ±.016	H ±.016	J +.031 -.000	M	R ±.016
		STEEL	AL ALLOY							
AN310-3	.1900-32 UNF-3B	2,210	1,100	.375 ^{+.002} _{-.010}	.438	.109	.250	.078	.110	.094
AN310-4	.2500-28 UNF-3B	4,080	2,030	.438 ^{+.002} _{-.010}	.500	.125	.281	.078	.125	.094
AN310-5	.3125-24 UNF-3B	6,500	3,220	.500 ^{+.002} _{-.010}	.578	.172	.328	.078	.172	.094
AN310-6	.3750-24 UNF-3B	10,100	5,020	.563 ^{+.002} _{-.010}	.656	.219	.406	.125	.218	.094
AN310-7	.4375-20 UNF-3B	13,600	6,750	.625 ^{+.002} _{-.011}	.719	.266	.453	.125	.265	.094
AN310-8	.5000-20 UNF-3B	18,500	9,180	.750 ^{+.002} _{-.012}	.875	.359	.563	.125	.359	.125
AN310-9	.5625-18 UNF-3B	23,600	11,700	.875 ^{+.002} _{-.012}	1.016	.391	.609	.156	.390	.156
AN310-10	.6250-18 UNF-3B	30,100	14,900	1.000 ^{+.002} _{-.014}	1.188	.469	.656	.156	.468	.156
AN310-12	.7500-16 UNF-3B	44,000	21,800	1.125 ^{+.002} _{-.016}	1.297	.563	.813	.156	.562	.188
AN310-14	.8750-14 UNF-3B	60,000	29,800	1.313 ^{+.002} _{-.017}	1.516	.656	.906	.156	.656	.188
AN310-15	1.0000-12 UNF-3B	80,700	40,000	1.500 ^{+.002} _{-.017}	1.734	.750	1.000	.156	.750	.188
2/ AN310-16	~~1.0000-14 UNF-3~~	~~80,700~~	~~40,000~~	~~1.500 ^{+.002}_{-.019}~~	~~1.734~~	~~.750~~	~~1.000~~	~~.156~~	~~.750~~	~~.188~~
AN310-18	1.1250-12 UNF-3B	101,800	50,500	1.688 ^{+.002} _{-.021}	1.953	.813	1.156	.156	.844	.250
AN310-20	1.2500-12 UNF-3B	130,200	64,400	1.875 ^{+.002} _{-.023}	2.172	.875	1.250	.156	.938	.250

1 COMPLETELY REVISED

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES AN310, REVISION 10. PART NUMBERS REMAIN AN310.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 1
PROCUREMENT SPECIFICATION FF-N-836	TITLE NUT, PLAIN, CASTELLATED, AIRFRAME	CLASSIFICATION PART STANDARD
		CLASSIFICATION PART STANDARD

USE OF OR REFERENCE TO THIS DOCUMENT OR ANY NATIONAL AEROSPACE STANDARD IS ENTIRELY VOLUNTARY. AIA DOES NOT QUALIFY SUPPLIERS OR CERTIFY THE QUALITY OF THE MATERIALS PRODUCED UNDER NATIONAL AEROSPACE STANDARD. AIA MAKES NO REPRESENTATION OR CLAIM RESPECTING (1) THE SUITABILITY OF THE MATERIALS FOR ANY PARTICULAR APPLICATION OR (2) THE EXISTENCE OF OR APPLICABLE LAWS, REGULATIONS, ORDINANCES, OR OTHER REQUIREMENTS. Licensee: www.sepana.ir/5991803002, User=sam, albert

MATERIAL: STEEL, ALUMINUM ALLOY AND 300 SERIES CRES STEEL. SEE PROCUREMENT SPECIFICATION.
(400 SERIES CRES INACTIVE FOR DESIGN AFTER 1 JAN 1992.)

FINISH: STEEL - CADMIUM PLATING PER AMS-QQ-P-416, TYPE II, CLASS 2. PARTS WITH CLASS 3 PLATING MAY
BE FURNISHED FROM SUPPLIER'S STOCK UNTIL 1 JANUARY 1975.
AL ALLOY - ANODIZE IN ACCORDANCE WITH MIL-A-8625, TYPE II.
CRES - PASSIVATE IN ACCORDANCE WITH AMS2700, METHOD 1, CLASS 4.

CODE: ADD "D" BEFORE DASH NUMBER FOR ALUMINUM ALLOY NUTS.
ADD "C" BEFORE DASH NUMBER FOR CRES STEEL NUTS.

EXAMPLE OF PART NUMBER:

AN310-5 = STEEL NUT, .3125-24 UNF-3B.
AN310D5 = AL ALLOY NUT, .3125-24 UNF-3B.
AN310C5 = CRES STEEL NUT, .3125-24 UNF-3B.

NOTES: /1/ FOR ALUMINUM ALLOY NUTS LARGER THAN -5 SIZE, TOLERANCES ON DIMENSION "ØA" MAY CONFORM TO
APPLICABLE MATERIAL SPECIFICATIONS FOR BAR AND ROD.

/2/ 1-14NF THREAD SIZE INACTIVE FOR DESIGN AFTER 27 MARCH 1967.

(3) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.

(4) TOLERANCES UNLESS OTHERWISE SPECIFIED: DECIMALS $\pm .010$, ANGLES $\pm 1^\circ$.

(5) REMOVE ALL BURRS AND SHARP EDGES.

(6) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.

(7) UNLESS OTHERWISE SPECIFIED HEREIN, REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON
DATE OF MANUFACTURE. HOWEVER, EXISTING MATERIAL INVENTORY CERTIFIED TO A PREVIOUS REVISION
OF THE APPLICABLE MATERIAL SPECIFICATION(S) IS ACCEPTABLE FOR USE UNTIL DEPLETION.

(8) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF
THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.

(9) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.

INTERCHANGEABILITY RELATIONSHIP:

AN310 NUTS ARE UNIVERSALLY INTERCHANGEABLE WITH AN355 NUTS. AN355 NUTS ARE NOT
INTERCHANGEABLE WITH AN310 NUTS.

TABLE II – INTERCHANGEABILITY

CANCELLED	UNIVERSALLY INTERCHANGEABLE
AN355-3	AN310-3
AN355-4	AN310-4
AN355-5	AN310-5
AN355-6	AN310-6
AN355-7	AN310-7
AN355-8	AN310-8
AN355-9	AN310-9
AN355-10	AN310-10
AN355-12	AN310-12

① COMPLETELY REVISED

REVISION
1
NAS310
SHEET 2



Documents
SHEET 2

Document Sharing Hub