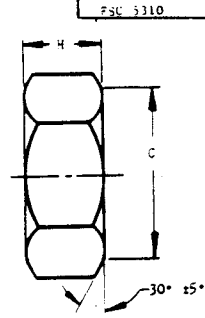
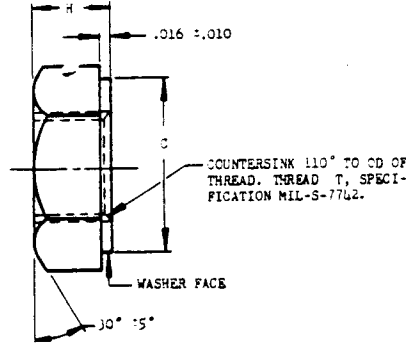
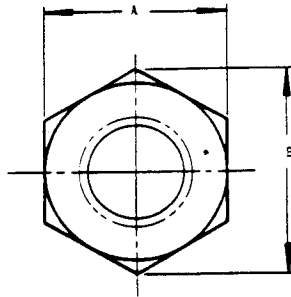


USER SYMBOLS:
NAVY - AS
AIR FORCE - 82

REGISTER SYMBOLS:
ARMY - WC
DGA - IS

NAVY AIR FORCE (Rev. 6-61)



ALLOY STEEL	CORROSION-RESISTANT STEEL	BRASS	(f) ALUMINUM ALLOY	(a) THREAD T	(b) A		(c) B REF	D DIA		(d) H	
					MAX	MIN		MAX	MIN	MAX	MIN
AN345-0	AN345C0	AN345B0		NO. 0-90 UNF-2B	.156	.150	.180	.156	.150	.190	.213
AN345-1	AN345C1	AN345B1		NO. 1-12 UNF-2B	.156	.150	.180	.156	.150	.190	.213
AN345-2	AN345C2	AN345B2		NO. 2-18 UNF-2B	.188	.180	.217	.188	.180	.225	.257
AN345-3	AN345C3	AN345B3		NO. 3-24 UNF-2B	.188	.180	.217	.188	.180	.225	.257
AN345-4	AN345C4	AN345B4		NO. 4-32 UNF-2B	.250	.241	.285	.250	.241	.298	.337
AN345-5	AN345C5	AN345B5		NO. 5-40 UNF-2B	.213	.203	.242	.213	.203	.250	.287
AN345-6	AN345C6	AN345B6		NO. 6-48 UNF-2B	.213	.203	.242	.213	.203	.250	.287
AN345-7	AN345C7	AN345B7		NO. 8-36 UNF-2B	.312	.302	.348	.312	.302	.350	.417
AN345-8	AN345C8	AN345B8		NO. 10-32 UNF-2B	.375	.362	.433	.375	.362	.430	.517
AN345-10	AN345C10	AN345B10		NO. 10-12 UNF-2B	.375	.362	.433	.375	.362	.430	.517
AN345-416	AN345C416	AN345B416	AN345DD416	1/4-28 UNF-2B	.438	.423	.506	.438	.430	.493	.578
AN345-516	AN345C516	AN345B516	AN345DD516	5/16-24 UNF-2B	.563	.545	.650	.563	.550	.625	.708
AN345-616	AN345C616	AN345B616	AN345DD616	3/8-24 UNF-2B	.625	.607	.722	.625	.613	.687	.778

- (a) CLASS 2 THREADS MAY BE SUBSTITUTED FOR CLASS 2B THREADS UNTIL EXISTING STOCKS OF THE NUTS WITH CLASS 2 THREADS ARE EXHAUSTED.
- (b) FOR ALUMINUM ALLOY NUTS, TOLERANCES ON A MAY CONFORM TO APPLICABLE MATERIAL SPECIFICATIONS FOR BAR AND ROD.
- (c) REFERENCE DIMENSIONS ARE FOR DESIGN PURPOSES ONLY AND ARE NOT AN INSPECTION REQUIREMENT.
- (d) THE H DIMENSION SHALL BE MEASURED AT A POINT APPROXIMATELY HALFWAY BETWEEN THE MINOR DIAMETER OF THE HOLE AND THE FLAT OF THE NUT.
- (e) NUMBERS 1, 2, 3, 4, 5, 6, AND 8 SIZES ARE NOT RECOMMENDED FOR NEW DESIGN.
- (f) ALUMINUM ALLOY NUTS INACTIVE FOR DESIGN AFTER 19 JULY 1955.

FOR DEFINITION AND APPLICATION OF DRAWING STATUS NOTES, SEE ANA BULLETIN NO. 337.

MATERIAL: STEEL, 50,000-PSI TENSILE STRENGTH, MINIMUM, COMMERCIAL GRADE.
CORROSION-RESISTANT STEEL, SPECIFICATION AN-QQ-S-770, CONDITION QT, CLASS II (431) OR SPECIFICATION MIL-S-7720, COMPOSITION FM (303).
BRASS, COMMERCIAL GRADE.
(f) ALUMINUM ALLOY, SPECIFICATION QQ-A-268 OR QQ-A-355.

HEAT TREAT: (f) ALUMINUM ALLOY, 62,000 PSI TENSILE STRENGTH, MINIMUM, SPECIFICATION MIL-H-6088.

FINISH: STEEL, CADMIUM PLATE, SPECIFICATION QQ-P-416, TYPE II, CLASS 3.
CORROSION-RESISTANT STEEL, PASSIVATE.
BRASS, NONE.
(f) ALUMINUM ALLOY, ANODIZE, SPECIFICATION MIL-A-8625.

NUTS SHALL BE FREE OF ALL LOOSE OR HANGING BURRS OR SLIVERS WHICH MIGHT BECOME DISLODGED UNDER USAGE.

DIMENSIONS IN INCHES.

IN CASE OF CONFLICT, THE REQUIREMENTS SPECIFIED HEREON SHALL TAKE PRECEDENCE OVER THE REQUIREMENTS SPECIFIED IN SPECIFICATION MIL-S-933.

⑥ INACTIVE FOR DESIGN AFTER 31 MARCH 1970, USE MS35650
⑥ CANCELED AFTER 31 MARCH 1970, EXCEPT ALUMINUM ALLOY, AND DASH NOS. 1, 3, AND 5 IN ALL MATERIALS, SEE INTERCHANGEABILITY TABLE ON MS35650 FOR SUBSTITUTIVE PARTS.

PROCUREMENT SPECIFICATION MIL-S-933	AIR FORCE-NAVY AERONAUTICAL STANDARD	AN345
	NUT, PLAIN, HEXAGON, NON-STRUCTURAL, FINE THREAD	

This military standard is mandatory for use by all Departments & Agencies of the Department of Defense. Selection for all new engineering and design applications and for replacement use shall be made from this document.

Revision/user information is current as of the date of this document. For future coordination of changes to this document, draft circulation should be based on the information in the current 000135.

APPROVED 22 Jul 63 REVISED 112 Jan 64 2 17 Apr 65 3 14 Jul 65 4 19 Jan 66 5 10 Jun 66 6 31 March 1970

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