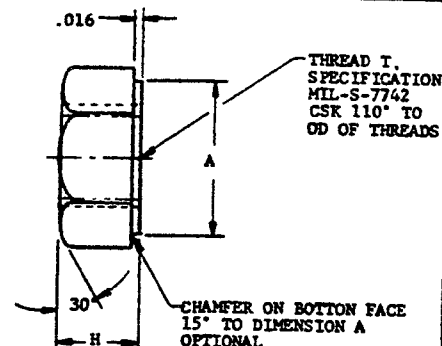
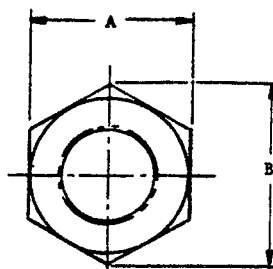




NOTICE: When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the Government assumes no responsibility, nor any obligation whatsoever, and the fact that the Government may have furnished, furnished, or authorized the use of such data in no way constitutes an endorsement, certification, or other data in no way to be regarded by implication or otherwise as in any way endorsing the product or any other product of the Government, or carrying any right of permission to manufacture, use, or sell any product in violation of that right.

NOTE: This drawing was approved by joint action of the Air Force and Navy Departments as the Air Force-Navy standard drawing. This drawing represents all standard drawings for the same product and shall be effective for the procurement of replacement supplies, or for use in new design, not later than 6 months after the latest date of approval shown.

| AN PART NO.  | THREAD T        | ULTIMATE TENSILE STRENGTH MINIMUM POUNDS |          | (a) A                            | B APPROX | H     |
|--------------|-----------------|------------------------------------------|----------|----------------------------------|----------|-------|
|              |                 | STEEL                                    | AL ALLOY |                                  |          |       |
| AN315-640    | NO. 6-40UNF-3B  | -                                        | -        | .313 <sup>+</sup> .002<br>-.010  | 23/64    | 7/64  |
| AN315-3      | NO. 10-32UNF-3B | 2 210                                    | 1 100    | .375 <sup>+</sup> .002<br>-.010  | 7/16     | 9/64  |
| AN315-4      | 1/4 -28UNF-3B   | 4 080                                    | 2 030    | .438 <sup>+</sup> .002<br>-.010  | 1/2      | 3/16  |
| AN315-5      | 5/16 -24UNF-3B  | 6 500                                    | 3 220    | .500 <sup>+</sup> .002<br>-.010  | 37/64    | 15/64 |
| AN315-6      | 3/8 -24UNF-3B   | 10 100                                   | 5 020    | .563 <sup>+</sup> .002<br>-.010  | 21/32    | 9/32  |
| AN315-7      | 7/16 -20 UNF-3B | 13 600                                   | 6 750    | .625 <sup>+</sup> .002<br>-.011  | 23/32    | 21/64 |
| AN315-8      | 1/2 -20UNF-3B   | 18 500                                   | 9 180    | .750 <sup>+</sup> .002<br>-.012  | 7/8      | 3/8   |
| AN315-9      | 9/16 -18UNF-3B  | 23 600                                   | 11 700   | .875 <sup>+</sup> .002<br>-.012  | 1- 1/64  | 27/64 |
| AN315-10     | 5/8 -18UNF-3B   | 30 100                                   | 14 900   | 1.000 <sup>+</sup> .002<br>-.014 | 1- 5/32  | 15/32 |
| AN315-12     | 3/4 -16UNF-3B   | 44 000                                   | 21 800   | 1.125 <sup>+</sup> .002<br>-.016 | 1-19/64  | 5/8   |
| AN315-14     | 7/8 -14UNF-3B   | 60 000                                   | 29 800   | 1.313 <sup>+</sup> .002<br>-.017 | 1-33/64  | 21/32 |
| AN315-15     | 1 -12UNF-3B     | 80 700                                   | 40 000   | 1.500 <sup>+</sup> .002<br>-.019 | 1-47/64  | 3/4   |
| (b) AN315-16 | 1 -14UNF-3      | 80 700                                   | 40 000   | 1.500 <sup>+</sup> .002<br>-.019 | 1-47/64  | 3/4   |
| AN315-18     | 1-1/8-12UNF-3B  | 101 800                                  | 50 500   | 1.688 <sup>+</sup> .002<br>-.021 | 1-61/64  | 13/16 |
| AN315-20     | 1-1/4-12UNF-3B  | 130 200                                  | 64 400   | 1.875 <sup>+</sup> .002<br>-.023 | 2-11/64  | 7/8   |

- (a) FOR ALUMINUM-ALLOY NUTS LARGER THAN -5 SIZE, TOLERANCES ON DIMENSION "A" MAY CONFORM TO APPLICABLE MATERIAL SPECIFICATIONS FOR BAR AND ROD.  
(b) 1-14NF THREAD SIZE INACTIVE FOR DESIGN AFTER 27 MARCH 1967.

MATERIAL: STEEL, ALUMINUM ALLOY, AND CORROSION-RESISTANT STEEL. SEE PROCUREMENT SPECIFICATION.  
FINISH: STEEL-CADMIUM PLATE IN ACCORDANCE WITH QQ-P-416, TYPE II, CLASS 2. PARTS WITH CLASS 3 PLATING MAY BE FURNISHED FROM SUPPLIER'S STOCK UNTIL 1 JANUARY 1975.

ALUMINUM ALLOY-ANODIZE IN ACCORDANCE WITH MIL-A-8625, TYPE II.  
CORROSION RESISTANT STEEL-PASSIVATE IN ACCORDANCE WITH QQ-P-35.

ADD C BEFORE DASH NUMBER FOR CORROSION-RESISTANT STEEL NUTS.  
ADD D BEFORE DASH NUMBER FOR ALUMINUM-ALLOY NUTS.  
ADD R AFTER DASH NUMBER FOR RIGHT-HAND THREAD.  
ADD L AFTER DASH NUMBER FOR LEFT-HAND THREAD.

EXAMPLES OF PART NO.: AN315-7L-STEEL NUT, 7/16-20UNF-3B, LEFT HAND THREAD.  
AN315D7R-ALUMINUM-ALLOY NUT, 7/16-20UNF-3B, RIGHT HAND THREAD.  
AN315C7R-CORROSION-RESISTANT STEEL NUT, 7/16-20UNF-3B, RIGHT-HAND THREAD  
DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: FRACTIONS  $\pm 1/64$ , DECIMALS  $\pm .010$ .  
ANGLES  $\pm 1^\circ$ .

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.

PROCUREMENT  
SPECIFICATION

FF-N-836

AIR FORCE-NAVY AERONAUTICAL STANDARD

NUT, PLAIN, HEXAGON, AIRFRAME

SUPERSEDES FORMER USAF AND NAVY STANDARD ISSUES OF AN315

AN315

SHEET 1 OF 1

APPROVED 8 JUL 43 REVISED 10 29 DEC 72