



AN PART NO.	THREAD T	ULTIMATE TENSILE STRENGTH MINIMUM POUNDS		(a)	B APPROX	C
		STEEL	AL ALLOY			
AN315-640	NO. 6-40UNF-3B	-	-	.313 ⁺ _{-.010}	23/64	7/64
AN315-3	NO. 10-32UNF-3B	2 210	1 100	.375 ⁺ _{-.010}	7/16	9/64
AN315-4	1/4 -28UNF-3B	4 080	2 030	.438 ⁺ _{-.010}	1/2	3/16
AN315-5	5/16 -24UNF-3B	6 500	3 220	.500 ⁺ _{-.010}	37/64	15/64
AN315-6	3/8 -24UNF-3B	10 100	5 020	.563 ⁺ _{-.010}	21/32	9/32
AN315-7	7/16 -20 UNF-3B	13 600	6 750	.625 ⁺ _{-.011}	23/32	21/64
AN315-8	1/2 -20UNF-3B	18 500	9 180	.750 ⁺ _{-.012}	7/8	3/8
AN315-9	9/16 -18UNF-3B	23 600	11 700	.875 ⁺ _{-.012}	1- 1/64	27/64
AN315-10	5/8 -18UNF-3B	30 100	14 900	1 000 ⁺ _{-.012}	1- 5/32	15/32
AN315-12	3/4 -16UNF-3B	44 000	21 800	1 125 ⁺ _{-.016}	1-19/64	5/8
AN315-14	7/8 -14UNF-3B	60 000	29 800	1 313 ⁺ _{-.017}	1-33/64	21/32
AN315-15	1 -12UNF-3B	80 700	40 000	1 500 ⁺ _{-.019}	1-47/64	3/4
(b) AN315-16	1 -14NF-3	80 700	40 000	1 500 ⁺ _{-.019}	1-47/64	3/4
AN315-18	1-1/8-12UNF-3B	101 800	50 500	1 688 ⁺ _{-.021}	1-61/64	13/16
AN315-20	1-1/4-12UNF-3B	130 200	64 400	1 875 ⁺ _{-.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

10 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 ± 1/64, DECIMALS ± .010.
ANGLES ± 1°

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

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 United States Government hereby incurs no responsibility, nor any obligation whatsoever, and it is further noted that the Government may have for limited purposes, and may apply the said drawings, specifications, or other data to not be regarded by its, alteration or otherwise, in any manner whatsoever, and it is further noted that the Government may in any way be irrevocably bound by its, alteration or otherwise, in any manner whatsoever.

NOTICE: This drawing was prepared by Joint action of the Air Force and Navy to participate as the Air Force Navy Joint Procurement Specification. This drawing is a joint drawing for the same product and shall be used for the procurement of parts with a length of 1/2 inch or less. In new designs or later than 6 months after the date of approval of this drawing, the procurement of parts with a length of 1/2 inch or less shall be the responsibility of the user.

APPROVED 8 JUL 43 REVISED 10 29 DEC 72

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL		OMB Approval No. 22-R255
<p>INSTRUCTIONS: The purpose of this form is to solicit beneficial comments which will help achieve procurement of suitable products at reasonable cost and minimum delay, or will otherwise enhance use of the document. DoD contractors, government activities, or manufacturers/vendors who are prospective suppliers of the product are invited to submit comments to the government. Fold on lines on reverse side, staple in corner, and send to preparing activity. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements. Attach any pertinent data which may be of use in improving this document. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity.</p>		
DOCUMENT IDENTIFIER AND TITLE AN315 (10) NUT, PLAIN, HEXAGON, AIRFRAME		
NAME OF ORGANIZATION AND ADDRESS	CONTRACT NUMBER	
	MATERIAL PROCURED UNDER A <input type="checkbox"/> DIRECT GOVERNMENT CONTRACT <input type="checkbox"/> SUBCONTRACT	
1. HAS ANY PART OF THE DOCUMENT CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE? A. GIVE PARAGRAPH NUMBER AND WORDING. B. RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES		
2. COMMENTS ON ANY DOCUMENT REQUIREMENT CONSIDERED TOO RIGID		
3. IS THE DOCUMENT RESTRICTIVE? <input type="checkbox"/> YES <input type="checkbox"/> NO (If "Yes", in what way?)		
4 REMARKS		
SUBMITTED BY (Printed or typed name and address - Optional)		TELEPHONE NO
		DATE

FOLD

DEPARTMENT OF THE NAVY
Naval Air Engineering Center
Philadelphia, PA 19112

OFFICIAL BUSINESS

POSTAGE AND FEES PAID
DEPARTMENT OF THE NAVY
DOD 316



Engineering Specifications and Standards Department (Code X)
Naval Air Engineering Center
Philadelphia, PA 19112

FOLD