



**FINE THREAD**

COR RES STEEL	DASH NUMBERS		TAP T	(a) A +.016	B +.002 -.010
	STEEL	COPPER BASE ALLOY			
C1032	1032	B1032	No. 10-32 NF-3B	.234	.375
C128	128	B128	1/4 -28NF-3B	.312	.438
C524	524	B524	5/16-24NF-3B	.344	.500
C624	624	B624	3/8 -24NF-3B	.453	.563
C720	720	B720	7/16-20NF-3B	.453	.625
C820	820	B820	1/2 -20NF-3B	.594	.750
C918	918	B918	9/16-18NF-3B		.875
C1018	1018	B1018	5/8 -18NF-3B		
C1216	1216	B1216	3/4 -16NF-3B		

**COARSE THREAD**

C632	632	B632	No. 6-32 NC-2B	.172	.312
C832	832	B832	No. 8-32 NC-2B	.234	.344
C1024	1024	B1024	No. 10-24 NC-2B	.234	.375
C120	120	B120	1/4 -20UNC-3B	.312	.438
C518	518	B518	5/16-18UNC-3B	.344	.500
C616	616	B616	3/8 -16UNC-3B	.453	.563
C714	714	B714	7/16-14UNC-3B	.453	.625
C813	813	B813	1/2 -13UNC-3B	.594	.750
C913	913	B913	9/16-12UNC-3B	.688	.875
C1011	1011	B1011	5/8 -11UNC-3B	.750	.938
C1210	1210	B1210	3/4 -10UNC-3B	.875	1.063

- (a) MINIMUM A NOT SPECIFIED. LIMITED ONLY BY STRENGTH REQUIREMENT OF SPECIFICATION.  
 (b) DASH NUMBERS C1024 THROUGH C1210, 1024 THROUGH 1210, AND B1024 THROUGH B1210 FOR COARSE THREAD NUTS INACTIVE FOR DESIGN AFTER 14 APRIL 1949.

EXAMPLES OF PART NUMBERS: AN363-428 = 1/4-28 STEEL NUT.

AN363B432 = NO. 6-32 COPPER-BASE ALLOY NUT.

AN363CL28 = 1/4-28 CORROSION-RESISTANT STEEL NUT.

- (1) SHEET 2 ADDED.  
 (2) **INACTIVE FOR DESIGN** AFTER 17 JUNE 1948. USE MS21044, MS21045 OR MS21046.  
 (3) INTERCHANGEABILITY RELATIONSHIP: MS21044, MS21045 AND MS21046 CAN UNIVERSALLY REPLACE THE INACTIVATED AN363 NUTS IN ACCORDANCE WITH TABLE ON SHEET 2. AN363 NUTS CANNOT UNIVERSALLY REPLACE MS21044, MS21045 OR MS21046.  
 DIMENSIONS IN INCHES.  
 FOR INSTALLATION INSTRUCTIONS, SEE MS33588

(4) FOR CHANGES SEE SHEET 1 AND 2.

PROCUREMENT SPECIFICATION

**AIR FORCE-NAVY AERONAUTICAL STANDARD**

AN-8-10

NUT, SELF-LOCKING, 550°

**AN363**  
Sheet 1 of 2

REVISION 01 27 SEP 45 (1) IN ACC 12 011 FEB 47 (1) JAN 48

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FINE THREAD					
INACTIVE PARTS			SUBSTITUTIVE PARTS		
CRES	STEEL	COPPER BASE ALLOY	CRES	STEEL	COPPER BASE ALLOY
AN363C1032	AN363-1032	AN363B1032	MS21046C3	MS21045-3	MS21044E3
C428	-428	B428	C4	-4	E4
C524	-524	B524	C5	-5	E5
C624	-624	B624	C6	-6	E6
C720	-720	B720	(a)	(a)	(a)
C820	-820	B820	C8	-8	E8
C918	-918	B918	C9	-9	E9
C1018	-1018	B1018	C10	-10	E10
C1216	-1216	B1216	C12	-12	E12

  

COARSE THREAD					
AN363C632	AN363-632	AN363B632	MS21046C06	MS21045-06	MS21044E06
C832	-832	B832	C08	-08	E08
C1024	-1024	B1024	(b)	(b)	(b)
C420	-420	B420	↑	↑	↑
C518	-518	B518	↑	↑	↑
C616	-616	B616	↑	↑	↑
C714	-714	B714	↑	↑	↑
C813	-813	B813	↑	↑	↑
C913	-913	B913	↑	↑	↑
C1011	-1011	B1011	↑	↑	↑
C1210	-1210	B1210	(b)	(b)	(b)

- (a) AN363 NUTS WITH 7/16-20 THREAD HAVE NO SUBSTITUTIVE PARTS ON MS21044, MS21045 AND MS21046 BECAUSE THE CORRESPONDING MS NUTS HAVE A LARGER HEX SIZE TO CONFORM TO INTERNATIONAL STANDARD.
- (b) AN363 NUTS WITH THREAD SIZES 10-24 THRU 3/4-10 HAVE NO SUBSTITUTIVE PARTS ON MS21044, MS21045 AND MS21046 BECAUSE THESE ARE NON-PREFERRED THREAD SIZES PER MIL-S-7742.

NOTE: This drawing was approved by joint action of the Air Force and Navy Department as the standard for the same product and shall become effective for the procurement of aeronautical supplies, or for use in new designs, not later than six months after the latest date of approval shown.

APPROVED 13 JUL 64 REVISED 4 FOR CHANGES SEE SHEETS 1 AND 2.

PROCUREMENT SPECIFICATION AN-N-10	<b>AIR FORCE-NAVY AERONAUTICAL STANDARD</b>  NUT, SELF-LOCKING, 550° F	<b>AN363</b> Sheet 2
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SUPERSEDES USAF DRAWING 363