



**FINE THREAD**

| COR RES STEEL | DASH NUMBERS |                   | TAP T           | (a)        |                     |
|---------------|--------------|-------------------|-----------------|------------|---------------------|
|               | STEEL        | COPPER BASE ALLOY |                 | A<br>+.016 | B<br>+.002<br>-.010 |
| C1032         | 1032         | B1032             | No. 10-32 NF-3B | .234       | .375                |
| C128          | 128          | B128              | 1/4 -20NF-3B    | .312       | .438                |
| C524          | 524          | B524              | 5/16-24UNF-3B   | .344       | .500                |
| C624          | 624          | B624              | 3/8 -24UNF-3B   | .453       | .563                |
| C720          | 720          | B720              | 7/16-20UNF-3B   | .453       | .625                |
| C820          | 820          | B820              | 1/2 -20UNF-3B   | .594       | .750                |
| C918          | 918          | B918              | 9/16-18UNF-3B   |            | .875                |
| C1018         | 1018         | B1018             | 5/8 -18UNF-3B   |            |                     |
| C1216         | 1216         | B1216             | 3/4 -16UNF-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 Pgs 27 117 Jan 44

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| FINE THREAD    |            |                      |                    |           |                      |
|----------------|------------|----------------------|--------------------|-----------|----------------------|
| INACTIVE PARTS |            |                      | SUBSTITUTIVE PARTS |           |                      |
| CRES           | STEEL      | COPPER<br>BASE ALLOY | CRES               | STEEL     | COPPER<br>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 on 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

**AIR FORCE-NAVY AERONAUTICAL STANDARD**

NUT, SELF-LOCKING, 550° F

**AN363**  
Sheet 2

SUPERSEDES USAF DRAWING 363