

PROJECT NO. 5370-0544

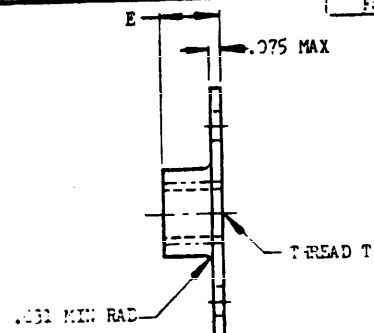
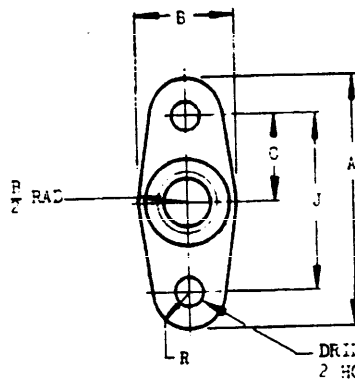
FSC 5310

USER SYMBOLS:

REVIEWER SYMBOLS:
 NAVY-AS ARMY-2V
 USAF-11 DSA-15

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



| SIZE | A | | B | | (b) C NOM | (a) E MAX | J ±.002 | K +.005 -.000 DIA | R MIN RAD |
|--------|-------|------|-----|------|--------------|--------------|------------|----------------------------|-----------------|
| | MAX | MAX | MAX | MIN | | | | | |
| NO. 6 | | | | .250 | | .234 | | | |
| NO. 8 | .985 | .407 | | .282 | .344 | .297 | .688 | .098 | .100 |
| NO. 10 | | | | .314 | | .312 | | | |
| 1/4 | | .516 | | .374 | | .375 | | | .115 |
| 5/16 | 1.297 | .532 | | .500 | .500 | .453 | 1.000 | .130 | .125 |
| 3/8 | | .641 | | .609 | | | | | |

| DASH NUMBERS | | THREAD T |
|--------------|------------------|-----------------|
| STEEL | COR RES STEEL | |
| (c) F600 | C600 | NO. 6-32UNC-2B |
| (c) F636 | C636 | NO. 8-32UNC-2B |
| F1032 | C1032 | NO. 10-32UNC-3B |
| F425 | C425 | 1/4-28UNC-3B |
| F524 | C524 | 5/16-24UNC-3B |
| F624 | C624 | 3/8-24UNC-3B |

| DASH NUMBERS | | THREAD T |
|--------------|------------------|-----------------|
| STEEL | COR RES STEEL | |
| F632 | C632 | NO. 6-32UNC-2B |
| F634 | C634 | NO. 8-32UNC-2B |
| (c) F1024 | C1024 | NO. 10-24UNC-2B |
| (c) F420 | C420 | 1/4-20UNC-3B |
| (c) F516 | C516 | 5/16-16UNC-3B |
| (c) F616 | C616 | 3/8-16UNC-3B |

INACTIVE FOR NEW DESIGN AFTER 7 APRIL 1967 USE MS21047 OR MS21048

- (a) MINIMUM E NOT SPECIFIED. LIMITED ONLY BY STRENGTH REQUIREMENT OF SPECIFICATION.
- (b) THE CENTER OF THE TAPPED HOLE SHALL NOT DEVIATE IN ANY DIRECTION FROM THE CENTER OF THE PLATE NUT AS DETERMINED BY THE RIVET HOLES BY MORE THAN .005.
- (c) DASH NUMBERS F600, F636, C600, C636, F1024, F420, F516, F616, C1024, C420, C516, AND C616 INACTIVE FOR DESIGN AFTER 14 APRIL 1949.
- FOR DEFINITION AND APPLICATION OF DRAWING STATUS NOTE, SEE ANA BULLETIN NO. 337.
- SHAPE OF TAP OPTIONAL TO SUIT LOCKING METHOD.
- NUTS MAY BE MADE OF SHEET METAL.
- NUTS FOR USE BY WELDING TO BE MADE OF COR RES STEEL AND WITHOUT RIVET HOLES. SPACING OF WELDING PROJECTIONS MUST BE EQUAL TO DIMENSION J.
- ADD W BEFORE COR RES STEEL DASH NUMBERS FOR PLATE NUTS FOR USE BY WELDING.
- EXAMPLES OF PART NUMBERS: AN362F420 = 1/4-28 STEEL NUT.
 AN362C420 = 1/4-28 COR RES STEEL NUT.
 AN362WC420 = 1/4-28 COR RES STEEL NUT FOR USE BY WELDING.

- (6) * QUALIFICATION NOT REQUIRED
- (6) DIMENSIONS IN INCHES, UNLESS OTHERWISE SPECIFIED, TOLERANCES:
 DECIMALS ±.016. FOR INSTALLATION INSTRUCTIONS SEE MS33500.
- (6) CANCELLED SEE SHEET 2

PROCUREMENT
 SPECIFICATION
 (6) MIL-N-25027

AIR FORCE-NAVY AERONAUTICAL STANDARD

NUT, SELF-LOCKING, PLATE, NON-COUNTERSUNK, 550°P

AN362

SHEET 1 OF 2

SUPERSEDES USAF DRAWING 362

APPROVED 13 Jul 45 REVISED 1 20 Nov 45 2 14 Apr 49 3 10 May 56 4 17 Feb 59 5 7 Apr 67 6 25 May 72

PROJECT NO. 5310-0544

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USER SYMBOLS:

REVIEWER SYMBOLS:
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ARMY-AV
USAF-11
DSA-IS

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(6)
CANCELED IN PART AFTER 25 MAY 1972 DASH NUMBERS
F640, F836, C640, C836, F1024, F420, F518, F616,
C1024, C420, C518, AND C616 NOT CANCELED. FOR
SUBSTITUTIVE PARTS SEE INTERCHANGEABILITY TABLES
ON MS21047 AND MS21048.

☆ U. S. GOVERNMENT PRINTING OFFICE: 1972-714-167/7796

APPROVED 13 JUL 65 REVISED (6) FOR CHANGES SEE SHEETS 1 AND 2.

PROCUREMENT
SPECIFICATION
*MIL-N-25027

AIR FORCE-NAVY AERONAUTICAL STANDARD

NUT, SELF-LOCKING, PLATE, NON-COUNTERSUNK, 550°F

AN362

SHEET 2 OF 2