

FED. SUP CLASS
5310

1. APPLICATION AND DESIGN SELECTION: THESE A.R.E. NUT ELEMENTS SHALL BE SELECTED AND USED IN ACCORDANCE WITH MS33588.
2. MILITARY INSTALLATION AND TOOLS: NONE
3. GENERAL REQUIREMENTS:
 - 3.1 ASSEMBLED NUT ELEMENTS SHALL MEET TEST REQUIREMENTS OF MIL-N-25027.
 - 3.2 MATERIAL:
 - 3.2.1 NUT ELEMENT: CRES A-286 PER AMS 5525.
 - 3.3 HEAT TREAT:
 - 3.3.1 NUT ELEMENT: 160 KSI MIN.
 - 3.4 FINISH:
 - 3.4.1 NUT ELEMENT SHALL BE PASSIVATED PER QQ-P-35.
 - 3.5 LUBRICANT:
 - 3.5.1 NUT ELEMENT SHALL BE DRY FILM LUBRICATED PER MIL-L-8937.
 - 3.6 SURFACE TEXTURE:
 - 3.6.1 SURFACE TEXTURE IN ACCORDANCE WITH ANSI B46.1-1978. UNLESS OTHERWISE SPECIFIED, THE SURFACE ROUGHNESS SHALL NOT EXCEED 125 MICRO INCHES.
 - 3.7 NUT REPLACEABILITY:
 - 3.7.1 THE NUT ELEMENT SHALL BE CAPABLE OF BEING SNAPPED INTO AND REMOVED FROM MS14210(AS) AND MS14211(AS) NUT ASSEMBLIES USING THE PROPER TOOLING.
 - 3.8 WORKMANSHIP:
 - 3.8.1 BREAK ALL SHARP EDGES AND REMOVE ALL BURRS AND SLIVERS.
 - 3.8.2 DIMENSIONS ARE IN INCHES.
 - 3.8.3 TOLERANCES: DECIMALS $\pm .010$, ANGLES $\pm .5^\circ$ UNLESS OTHERWISE SPECIFIED.

This standard has been approved by the NAVAL AIR SYSTEMS COMMAND Department of the NAVY and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.

APPROVED 13 MAR 84 REVISED

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| P.A. NAVY - AS Other Cust | TITLE NUT ELEMENT, REPLACEABLE, ATTACHED RETENTION ELEMENT (A.R.E.), 450°F, CRES (A-286), 125 KSI F _{tu} . | MILITARY STANDARD MS 14213(AS) |
| PROCUREMENT SPECIFICATION MIL-N-25027 | SUPERSEDES: | |
| | | SHEET 1 OF 2 |

DD FORM 672-1 (Limited coordination)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

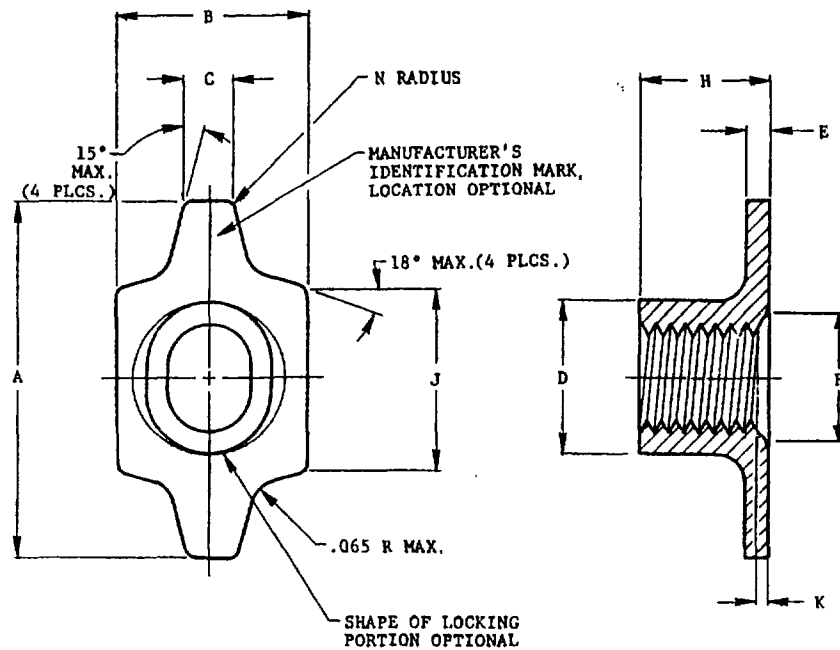
PROJECT NO. 5310-N038

PLATE NO. 17709

4. ILLUSTRATION:

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5. TABLE I

| SIZE DASH NO. | THREAD SIZE MIL-S-8879 | A ±.010 | B MAX. | C ±.010 | D MAX. | E +.010 -.000 | F MIN. | H MAX. | J ±.010 | K MIN. | N MAX. | AXIAL STRENGTH LBS. MIN. |
|---------------------|------------------------------|------------|-----------|------------|-----------|---------------------|-----------|-----------|------------|-----------|-----------|--------------------------------|
| L04 | .1120-40 UNJC-3B | .420 | .245 | .070 | .165 | .025 | .116 | .151 | .224 | .015 | .018 | 750 |
| L06 | .1380-32 UNJC-3B | .420 | .245 | .070 | .195 | .025 | .142 | .151 | .224 | .015 | .018 | 1130 |
| L08 | .1640-32 UNJC-3B | .525 | .350 | .110 | .225 | .032 | .168 | .182 | .295 | .018 | .040 | 1720 |
| L3 | .1900-32 UNJF-3B | .525 | .350 | .110 | .250 | .032 | .194 | .182 | .295 | .018 | .040 | 2460 |
| L4 | .2500-28 UNJF-3B | .620 | .435 | .125 | .325 | .040 | .254 | .240 | .367 | .020 | .040 | 4580 |

6. PART NUMBER EXAMPLE:

MS14213(AS) - L08

SIZE DASH NUMBER (.1640-32 UNJC-3B)

MILITARY STANDARD NUMBER

7. ADMINISTRATIVE AND CONTRACTUAL PROVISIONS:

- 7.1 FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
- 7.2 REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BIDS, OR REQUEST FOR PROPOSAL, EXCEPT THAT REFERENCED ADOPTED INDUSTRY DOCUMENTS SHALL GIVE THE DATE OF THE ISSUE ADOPTED.
- 7.3 NUT ELEMENTS WITHOUT MANUFACTURER'S IDENTIFICATION MAY BE FURNISHED FROM MANUFACTURER'S STOCK UNTIL 31 DECEMBER 1985.

This standard has been approved by the NAVAL AIR SYSTEMS COMMAND Department of the NAVY and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.

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|--|---|-------------------|------|
| P.A. NAVY - AS Other Cust | TITLE | MILITARY STANDARD | |
| | NUT ELEMENT, REPLACEABLE, ATTACHED RETENTION ELEMENT (A.R.E.), 450°F, CRES (A-286), 125 KSI F _{tu} . | MS 14213(AS) | |
| PROCUREMENT SPECIFICATION MIL-N-25027 | SUPERSEDES: | SHEET 2 | OF 2 |