

REV.  
B

AS1734

FEDERAL SUPPLY CLASS

4730

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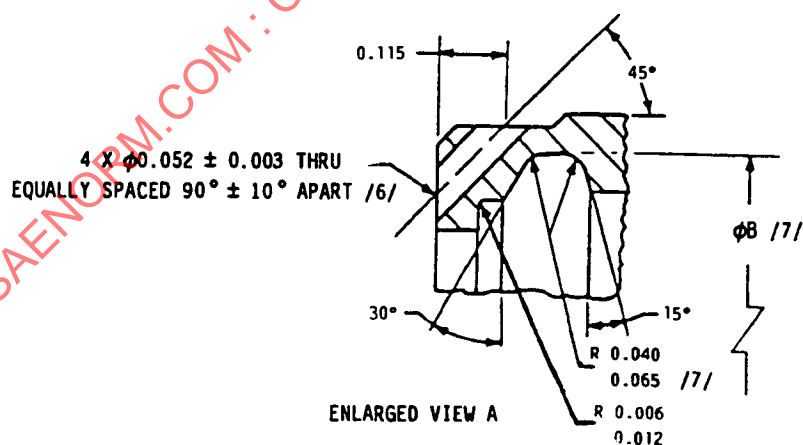
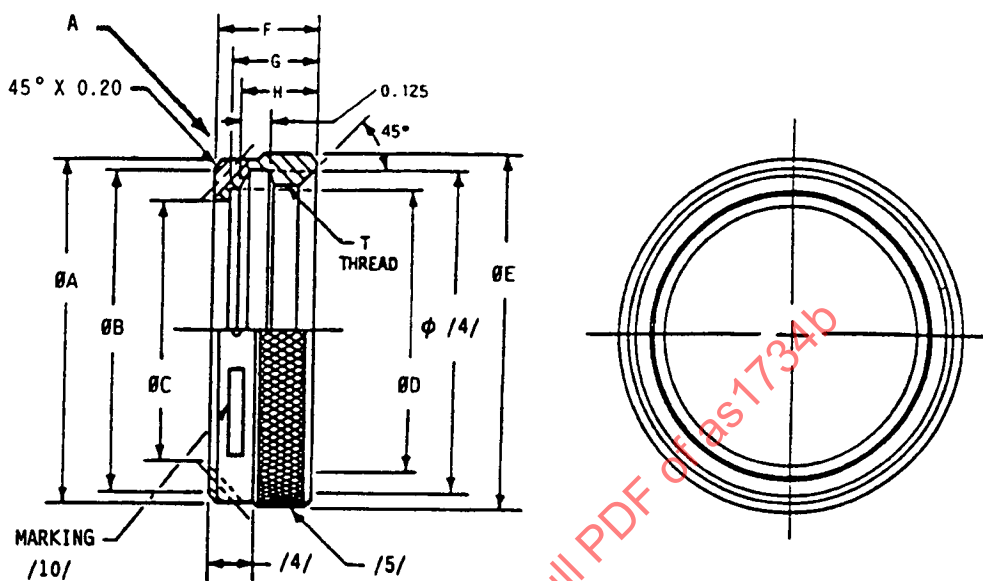


FIGURE 1 - NUT

CUSTODIAN: SAE G-3/G-3A

PROCUREMENT SPECIFICATION: /3/ /11/ AS1730

**SAE** The Engineering Society  
For Advancing Mobility  
Land Sea Air and Space  
**INTERNATIONAL**

400 Commonwealth Drive, Warrendale, PA 15096-0001

**AEROSPACE STANDARD**NUT, COUPLING, RIGID,  
FIXED CAVITY, THREADED,  
FERRULE TYPE TUBE ENDS, TYPE I**AS1734**

SHEET 1 OF 3

**REV.****B**

TABLE 1 - NUT DIMENSIONS AND WEIGHTS

| BASIC NO.<br>AS1734<br>SIZE<br>CODE | (TUBE<br>SIZE) | THREAD<br>T<br>PER H28/2 | A<br>+.010/- .000 | B<br>+.010/- .000 | C<br>+.005/- .000 | D<br>DIA | D<br>TOL     | E<br>MAX | F<br>+.010/- .000 | G<br>+.010/- .000 | H    | WEIGHT<br>MAX<br>LB |
|-------------------------------------|----------------|--------------------------|-------------------|-------------------|-------------------|----------|--------------|----------|-------------------|-------------------|------|---------------------|
|                                     |                |                          |                   |                   |                   |          |              |          |                   |                   |      |                     |
| 04                                  | .250           | .687-12 UN-28            | .787              | .691              | .529              | .583     | +.002/- .000 | .829     | .408              | .338              | .300 | .008                |
| 05                                  | .312           | .750-12 UN-28            | .850              | .753              | .580              | .644     | +.002/- .000 | .892     | .408              | .338              | .300 | .009                |
| 06                                  | .375           | .812-12 UN-28            | .912              | .816              | .635              | .689     | +.002/- .000 | .954     | .408              | .338              | .300 | .010                |
| 08                                  | .500           | .937-12 UN-28            | 1.037             | .941              | .762              | .815     | +.003/- .000 | 1.079    | .408              | .338              | .300 | .012                |
| 10                                  | .625           | 1.062-12 UN-28           | 1.172             | 1.066             | .900              | .960     | +.003/- .000 | 1.214    | .424              | .354              | .315 | .013                |
| 12                                  | .750           | 1.250-12 UNF-28          | 1.360             | 1.253             | 1.033             | 1.128    | +.003/- .000 | 1.402    | .424              | .354              | .315 | .015                |
| 16                                  | 1.000          | 1.500-12 UNF-28          | 1.610             | 1.503             | 1.284             | 1.386    | +.003/- .000 | 1.652    | .424              | .354              | .315 | .017                |
| 20                                  | 1.250          | 1.750-12 UN-28           | 1.860             | 1.753             | 1.534             | 1.628    | +.003/- .000 | 1.902    | .484              | .414              | .375 | .026                |
| 24                                  | 1.500          | 2.000-12 UN-28           | 2.110             | 2.003             | 1.783             | 1.878    | +.003/- .000 | 2.152    | .499              | .429              | .375 | .028                |
| 28                                  | 1.750          | 2.250-12 UN-28           | 2.360             | 2.253             | 2.045             | 2.138    | +.003/- .000 | 2.402    | .499              | .429              | .375 | .030                |
| 32                                  | 2.000          | 2.500-12 UN-28           | 2.620             | 2.503             | 2.292             | 2.382    | +.003/- .000 | 2.662    | .499              | .429              | .375 | .035                |
| 36                                  | 2.250          | 2.750-12 UN-28           | 2.870             | 2.753             | 2.549             | 2.638    | +.003/- .000 | 2.912    | .560              | .455              | .392 | .042                |
| 40                                  | 2.500          | 3.000-12 UN-28           | 3.125             | 3.003             | 2.800             | 2.888    | +.003/- .000 | 3.162    | .560              | .455              | .392 | --                  |
| 44                                  | 2.750          | 3.250-12 UN-28           | 3.370             | 3.253             | 3.045             | 3.138    | +.003/- .000 | 3.412    | .560              | .455              | .392 | .060                |
| 48                                  | 3.000          | 3.625-12 UN-28           | 3.751             | 3.628             | 3.395             | 3.513    | +.004/- .000 | 3.793    | .560              | .455              | .392 | .080                |
| 56                                  | 3.500          | 4.125-12 UN-28           | 4.256             | 4.128             | 3.895             | 4.013    | +.004/- .000 | 4.298    | .560              | .455              | .392 | .090                |
| 64                                  | 4.000          | 4.625-12 UN-28           | 4.756             | 4.613             | 4.395             | 4.513    | +.004/- .000 | 4.798    | .560              | .455              | .392 | .133                |
| 72                                  | 4.500          | 5.125-12 UN-28           | 5.266             | 5.113             | 4.895             | 5.015    | +.005/- .000 | 5.308    | .678              | .543              | .475 | .186                |
| 80                                  | 5.000          | 5.625-12 UN-28           | 5.765             | 5.613             | 5.378             | 5.500    | +.005/- .000 | 5.807    | .678              | .543              | .475 | .211                |