

DETAIL SPECIFICATION SHEET

FITTING END, DESIGN STANDARD, FOR CONE CONNECTION

This specification is approved for use by all Departments and Agencies of the Department of Defense.

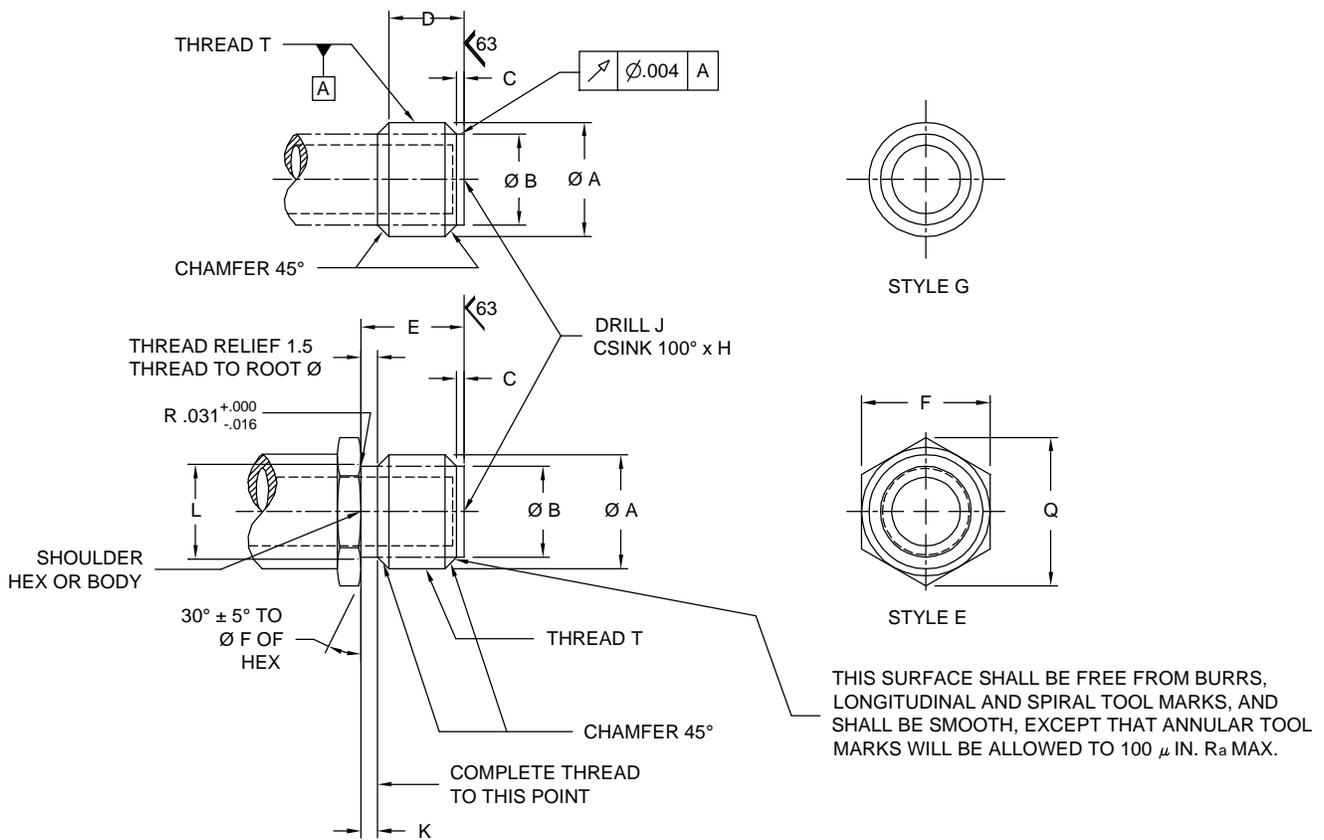


FIGURE 1. Fitting end

TABLE I. Fitting end dimensions

| Size No. | Tubing OD Ref | Thread T (1) | P Pitch Dia Thd | A Dia | B +.000 -.005 | C | D ±.015 | E ±.015 | |
|----------|---------------|-----------------|----------------------------|----------------------------|---------------------|------|------------|------------|------|
| 2 | .125 | .312-32 NEF-3A | | | .257 | .031 | .312 | .281 | |
| 3 | .188 | .375-24 UNF-3A | | | .310 | .047 | | .375 | |
| 4 | .250 | .438-20 UNF-3A | | | .359 | .094 | | .438 | |
| 5 | .312 | .500-20-UNF-3A | | | .421 | | | .344 | |
| 6 | .375 | .625-18 UNF-3A | | | .531 | | | .375 | .500 |
| 8 | .500 | .750-16 UNF-3A | | | .656 | | | .500 | .625 |
| 10 | .625 | .938-14 NS-3A | +0.000 .8911 -0.0035 | +0.000 .9375 -0.0098 | .843 | | | .625 | .688 |
| 12 | .750 | 1.125-12 UNF-3A | | | 1.000 | | | .688 | .812 |
| 16 | 1.000 | 1.500-12 UNF-3A | | | 1.375 | | .750 | | |

(1) Thread T in accordance with SAE AS8879 unless otherwise specified.

TABLE I. Fitting end dimensions - Continued

| Size No. | F | H Dia | J Dia | K +.015 -.000 | L +.000 -.005 | Q Ref |
|----------|----------------|-------|-------|---------------------|---------------------|-------|
| 2 | +0.003 | .219 | .125 | .046 | .266 | .51 |
| 3 | .438 -0.004 | .281 | .161 | .063 | .307 | |
| 4 | .562±.004 | .312 | .189 | .075 | .359 | .65 |
| 5 | .625±.004 | .406 | .250 | | .421 | .72 |
| 6 | .750±.004 | .500 | .312 | .083 | .546 | .87 |
| 8 | .875±.004 | .625 | .438 | .094 | .654 | 1.01 |
| 10 | .938±.004 | .812 | .562 | .107 | .775 | 1.09 |
| 12 | 1.250±.005 | .938 | .750 | .125 | 1.009 | 1.30 |
| 16 | 1.750±.016 | 1.312 | | | 1.383 | 2.02 |

(1) Thread T in accordance with SAE AS8879 unless otherwise specified.

REQUIREMENTS:

1. Where indicated in figure 1, surface roughness shall be in accordance with ASME B46.1.
2. Break all sharp edges and remove all burrs and slivers.

NOTES:

1. Dimensions in inches. Unless otherwise specified, tolerances: decimals ±.005, angles ±1/2°.
2. This document is a design standard. Do not use as a part number.

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Custodians:
Air Force - 99
Navy - AS
DLA - CC

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(Project 4730-1007)

Review activities:
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