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**AS1857**

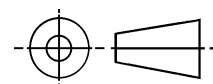
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# CANCELLATION NOTICE

THIS DOCUMENT HAS BEEN DECLARED "CANCELLED" AS OF JULY 2002. BY THIS ACTION, THIS DOCUMENT WILL REMAIN LISTED IN THE NUMERICAL SECTION OF THE AEROSPACE STANDARDS INDEX.

THIRD ANGLE PROJECTION



ISSUED 1987-02 REAFFIRMED 2001-12 CANCELLED 2002-07

CUSTODIAN: SAE G-3/G-3B

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## AEROSPACE STANDARD

FITTING END, NON-REVERSIBLE, FLARELESS  
TUBE CONNECTION, OVERSIZE THREAD

**AS1857**  
SHEET 1 OF 2

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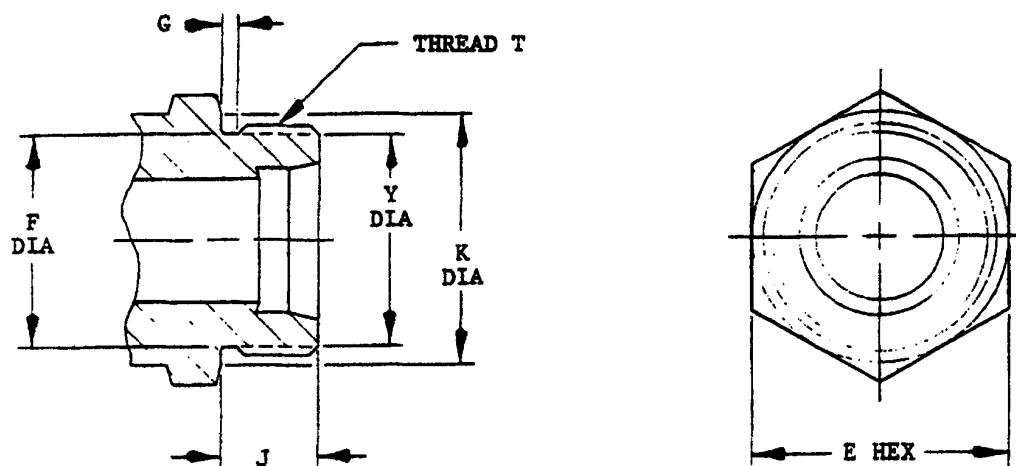


FIGURE 1

TABLE 1

| SIZE NO. | TUBE SIZE | THREAD T         | E HEX |                | F DIA<br>+.002<br>-.003 | J    | K DIA. | Y DIA. | G<br>+.015<br>-.010 |
|----------|-----------|------------------|-------|----------------|-------------------------|------|--------|--------|---------------------|
| 04       | .250      | .5000-20 UNJF-3A | .688  | +.003<br>-.004 | .426                    | .453 | .674   | .425   | .075                |
| 06       | .375      | .7500-16 UNJF-3A | .813  |                | .660                    | .562 | .799   | .660   | .094                |
| 08       | .500      | .8750-14 UNJF-3A | 1.000 |                | .773                    | .625 | .986   | .775   | .107                |
| 10       | .625      | 1.0625-12 UNJ-3A | 1.125 |                | .945                    | .688 | 1.111  | .945   | .125                |
| 12       | .750      | 1.3125-12 UNJ-3A | 1.375 | ±.016          | 1.195                   |      | 1.361  | 1.195  |                     |
| 16       | 1.000     | 1.6250-12 UNJ-3A | 1.750 |                | 1.507                   |      | 1.724  | 1.505  |                     |

## NOTES:

1. THIS STANDARD DESCRIBES A STANDARD FLARELESS FITTING END EXCEPT THAT THE THREAD AND RELATED DIMENSIONS ARE ONE SIZE LARGER THAN THE MS33514 STANDARD. ALL DIMENSIONS ARE IDENTICAL TO MS33514 FOR THE TUBE SIZE SHOWN EXCEPT THOSE LISTED ABOVE. HEX DIMENSION "E" IS IDENTICAL TO MS33514 EXCEPT FOR SIZE 16. SEE AS1856 FOR ASSEMBLY INFORMATION.
2. THIS IS A DESIGN STANDARD AND IS NOT TO BE USED AS A PART NUMBER.
3. TOLERANCES: DECIMALS ±.010
4. PARTS USING THIS FITTING END MEET THE REQUIREMENTS OF MIL-F-18280.