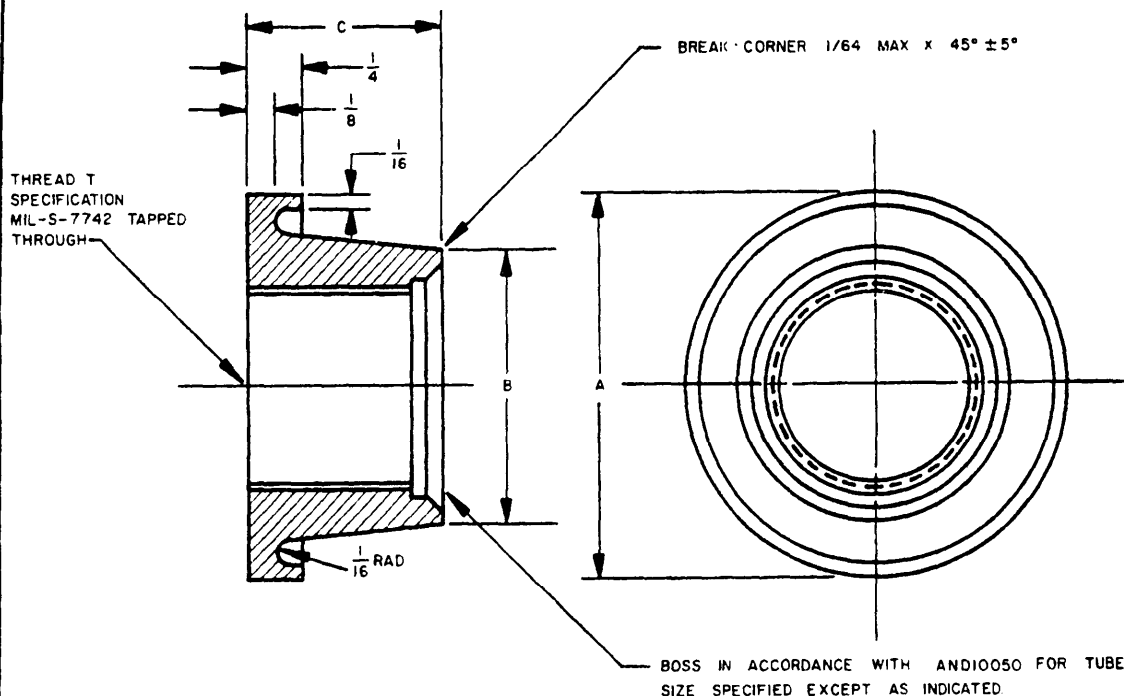


USER ACTIVITIES

REVIEWER ACTIVITIES

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited. This military standard is approved for use within the Department of the Air Force, and is available for use by all Departments and Agencies of the Department of Defense.



| AN PART NO. |           | TUBING<br>OD | THREAD T<br>REF | A<br>DIA | B<br>MIN DIA | C<br>MIN | WT MAX LB |          |
|-------------|-----------|--------------|-----------------|----------|--------------|----------|-----------|----------|
| STEEL       | AL ALLOY  |              |                 |          |              |          | STEEL     | AL ALLOY |
| AN871-4     | AN871-4D  | 1/4          | .437-20UNF-3    | 1.437    | .750         | .593     | .17       | .06      |
| AN871-6     | AN871-6D  | 3/8          | .562-18UNF-3    | 1.562    | .875         | .593     | .20       | .07      |
| AN871-8     | AN871-8D  | 1/2          | .75-16UNF-3     | 1.750    | 1.062        | .687     | .29       | .10      |
| AN871-10    | AN871-10D | 5/8          | .875-14UNF-3    | 1.875    | 1.187        | .750     | .32       | .11      |
| AN871-12    | AN871-12D | 3/4          | 1.062-12UN-3    | 2.000    | 1.437        | .906     | .37       | .13      |
| AN871-16    | AN871-16D | 1            | 1.000-12UN-3    | 2.250    | 1.687        | .937     | .45       | .15      |
| AN871-20    | AN871-20D | 1-1/4        | 1.625-12UN-3    | 2.625    | 2.000        | .984     | .52       | .18      |
| AN871-24    | AN871-24D | 1-1/2        | 1.875-12UN-3    | 2.875    | 2.250        | 1.125    | .64       | .22      |

CONCENTRICITY: DIA B AND THREAD T SHALL BE CONCENTRIC WITHIN 0.20 FULL INDICATOR READING.

- ⑧ MATERIAL: ALUMINUM, SPECIFICATION QQ-A-6061, CONDITION T OR QQ-A-5052  
STEEL: SPECIFICATION QQ-S-671, F. S. 1020 OR F. S. 1025.

FINISH: STEEL PARTS SHALL BE COATED WITH COMPOUND, CORROSION-PREVENTIVE, SPECIFICATION MIL-C-6708.

MARKING: THE PART NUMBER AND THE MANUFACTURER'S NAME OR TRADE MARK SHALL BE MARKED ON ALL FLANGES IN A MANNER AND LOCATION NOT DETRIMENTAL TO THE FLANGE.

- ⑦ BREAK ALL SHARP EDGES AND REMOVE ALL HANGING BURRS AND SLIVERS WHICH MIGHT BECOME DISLODGED UNDER USAGE.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: FRACTIONS  $\pm 1/64$ .

|                                   |                           |   |                   |
|-----------------------------------|---------------------------|---|-------------------|
| P. A.<br>USAF - 82<br>Other Cust. | INTERNATIONAL<br>INTEREST | AIR FORCE-NAVY AERONAUTICAL STANDARD          | MILITARY STANDARD |
| ARMY - AV<br>AF - 99              |                           | TITLE:<br>FLANGE-STRAIGHT THREAD BOSS WELDING | AN871             |
| PROCUREMENT SPECIFICATION<br>NONE | SUPERSEDES:               | SHEET   OF                                    |                   |

DD FORM 672-1 COORDINATED

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

APPROVED 2 FEB 42 REVISED ⑤ 23 Jan 50 ⑥ 16 Mar 51 ⑦ 1 Jun 54 ⑧ 26 Sep 86 ⑨ 13 Dec 86