Society of Automotive Engineers, Inc.
400 COMMONWEALTH DRIVE, WARRENDALE, PA. 15096

AERONAUTICAL STANDARD AS 893

TEE, FLARELESS TUBE TO MALE PIPE ON SIDE

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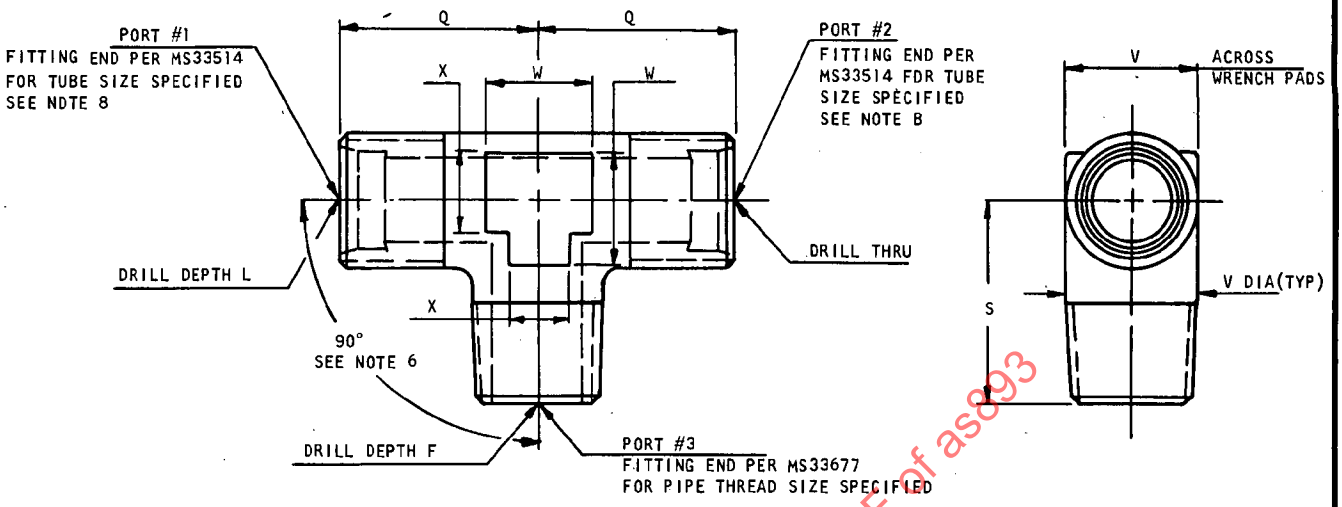
Revised



NOTES:

1. MATERIAL, FINISH AND MANUFACTURE SHALL BE IN ACCORDANCE WITH MIL-F-18280.

2. MATERIAL CODE: IN PLACE OF FIRST DASH IN PART NUMBER, ADD MATERIAL CODE AS FOLLOWS:

   NO LETTER INDICATES STEEL (USE DASH "-")
   LETTER "D" INDICATES ALUMINUM ALLOY
   LETTER "J" INDICATES CORROSION RESISTANT STEEL, CLASS 304
   LETTER "K" INDICATES CORROSION RESISTANT STEEL, CLASS 316
   LETTER "S" INDICATES CORROSION RESISTANT STEEL, CLASS 347

3. SPECIFY END SIZES IN THIS ORDER: LARGEST END ON RUN FIRST (PORT #1), OPPOSITE END SECOND (PORT #2), PIPE END THIRD (PORT #3).

4. USE FORGING SIZE AS DETERMINED FROM TABLE I.

5. EXAMPLE OF PART NUMBER: AS893J100612

   BASIC PART NUMBER
   CLASS 304 CORROSION RESISTANT STEEL
   FLARELESS TUBE END (PORT #1) PER MS33514E10
   LEG LENGTH PER DIMENSION Q, 1.523
   DRILL DEPTH PER DIMENSION L, 1.922
   FLARELESS TUBE END (PORT #2) PER MS33514E6
   LEG LENGTH PER DIMENSION Q, 1.367
   DRILL DEPTH - THRU
   PIPE END (PORT #3) PER MS33677, 3/4" PIPE SIZE
   LEG LENGTH PER DIMENSION S, 1.585
   DRILL DEPTH PER DIMENSION F, 1.625

6. TOLERANCE ON 90° ANGLE: ± 2 1/2° FOR DASH 6 AND SMALLER, ± 1 1/2° FOR DASH 8 AND LARGER.

7. REMOVE ALL BURRS AND BREAK ALL SHARP EDGES.

8. FITTING END PER MS33514 SHALL CONFORM TO STYLE G WHEN NORMAL THREAD SIZE EQUALS NORMAL FORGING SIZE. USE STYLE E WHEN THREAD SIZE IS SMALLER THAN FORGING SIZE, EXCEPT OMIT HEX.

9. AT OPTION OF MANUFACTURER, THE FLUID PASSAGE MAY CONFORM TO THE SMALLER DIAMETER HOLE ON ALL PORTS.

10. ALL MACHINED SURFACES SHALL BE SMOOTH TO 125 MICROINCHES AA MAX PER ANSI B46.1.

11. FOR USE ON OXYGEN SYSTEMS AND GROUND SERVICE EQUIPMENT ONLY.

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