

**STANDARD  
SAE J962b**

APPROVED AS ANSI B116.3-1976  
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**FORMED TUBE ENDS  
FOR HOSE CONNECTIONS—SAE 962b**

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# FORMED TUBE ENDS FOR HOSE CONNECTIONS—SAE J962b

SAE Standard

Report of Tube, Pipe, Hose and Lubrication Fittings Committee approved June 1966 and last revised June 1976.

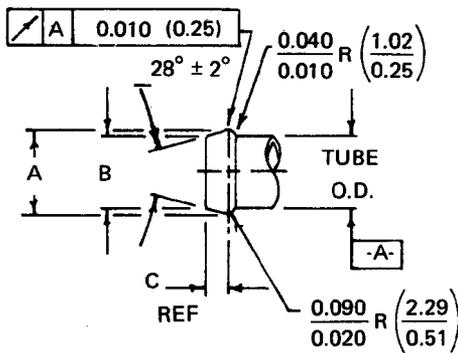
## GENERAL SPECIFICATIONS

**Scope**—This SAE Standard covers the dimensional and general specifications applicable to those formed tube end configurations suitable for hose connections made with or without hose clamps (see SAE J536) in relatively low pressure applications.

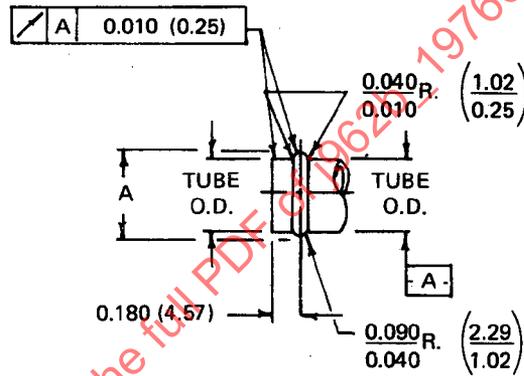
**Dimensions and Tolerances**—Dimensions in this standard are based on, and unless designated otherwise, are specified in inches with SI equivalents shown adjacent to respective inch dimensions or designated mm in the text and

tables in accordance with SAE J916. Tabulated dimensions shall apply to finished ends, plated or otherwise processed. Dimensions specified apply to metal tubing having a nominal wall thickness of 0.028–0.035 in (0.71–0.89 mm). Forming of tube having a wall thickness outside this range may require adjustment of dimensions. Tolerance on all dimensions not otherwise specified shall be  $\pm 0.010$  in ( $\pm 0.25$  mm).

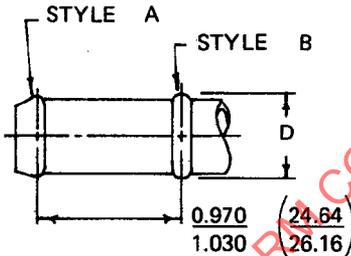
**Workmanship**—Formed tube ends shall be free from burrs, cracks, sharp edges, irregularities in diameters and any other defects affecting serviceability.



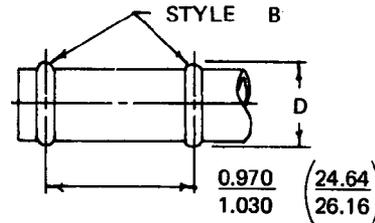
φ FIG. 1—STYLE A



φ FIG. 2—STYLE B



φ FIG. 3



φ FIG. 4

φ TABLE 1—DIMENSIONS OF FORMED TUBE ENDS (FIGS. 1–4)

| Nominal Tube<br>OD | Outside Dia,<br>A |       | End Dia,<br>B |       | End to Center, C<br>Ref <sup>1</sup> |      | D Dia<br>$\pm 0.020$ (0.51) |       |
|--------------------|-------------------|-------|---------------|-------|--------------------------------------|------|-----------------------------|-------|
|                    | in                | mm    | in            | mm    | in                                   | mm   | in                          | mm    |
| 3/16               | 0.220             | 5.59  | 0.180         | 4.57  | 0.080                                | 2.03 | 0.220                       | 5.59  |
| 1/4                | 0.290             | 7.37  | 0.240         | 6.10  | 0.100                                | 2.54 | 0.290                       | 7.37  |
| 5/16               | 0.360             | 9.14  | 0.310         | 7.87  | 0.100                                | 2.54 | 0.360                       | 9.14  |
| 3/8                | 0.430             | 10.92 | 0.380         | 9.65  | 0.100                                | 2.54 | 0.430                       | 10.92 |
| 7/16               | 0.490             | 12.45 | 0.440         | 11.18 | 0.100                                | 2.54 | 0.490                       | 12.45 |
| 1/2                | 0.560             | 14.22 | 0.500         | 12.70 | 0.120                                | 3.05 | 0.560                       | 14.22 |
| 9/16               | 0.620             | 15.75 | 0.560         | 14.22 | 0.120                                | 3.05 | 0.620                       | 15.75 |
| 5/8                | 0.690             | 17.53 | 0.630         | 16.00 | 0.120                                | 3.05 | 0.690                       | 17.53 |

<sup>1</sup>For reference purposes only, not intended for inspection.