

Issued 1966-06

Cancelled 1997-03

Superseding J962 MAY86

Formed Tube Ends for Hose Connectors

1. **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.
2. **References**
 - 2.1 **Applicable Publications**—The following publications form a part of the specification to the extent specified herein. Unless otherwise indicated the latest revision of SAE publications shall apply.
 - 2.1.1 SAE PUBLICATIONS—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

SAE J536—Hose Clamps
SAE J916—Rules for SAE Use of SI (Metric) Units
3. **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 ± 0.010 in (± 0.25 mm).

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Technical drawing of a mechanical part with dimensions and tolerances. The drawing shows a cross-section of a part with a central hole. The dimensions and tolerances are as follows:

- Top left feature: 0.010 (0.25)
- Top right feature: 0.040_R and 0.010 with a tolerance of $\left(\frac{1.02}{0.25} \right)$
- Left side feature: 0.180 (4.57)
- Right side feature: 0.090_R and 0.040 with a tolerance of $\left(\frac{2.29}{1.02} \right)$
- Bottom right feature: $-A-$

Diagram illustrating the assembly of a barrel (two-piece barrel) showing the dimensions for Style A and Style B components.

The barrel is composed of two sections: Style A and Style B. The diameter of the barrel is labeled as D .

The dimensions for the barrel sections are:

- Style A length: 0.970 (24.64)
- Style B length: 1.030 (26.16)

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