

GLOSSARY OF TERMS

CENTER OF BEND

This is a point where the two tangents to the bend intersect. See A

TANGENTS OF BEND

These are the straight sections of tube next to the ends of the bend.
See C-D

RADIUS LINE

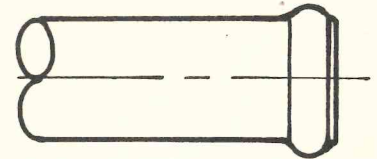
A line drawn perpendicular to the tangent at the end of the bend and passing through the radius center. See B-C

RADIUS CENTER

A point about which the arc of the bend is generated at the given radius.
See B

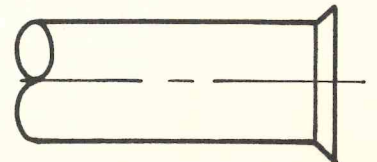
BEAD

A raised section of tube near the end, usually used for a rubber hose connection.



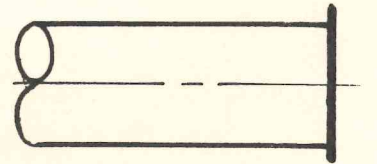
FLARE

Tube end is opened up as shown. Angle can be as needed, usually 45° used with nuts, sleeves and connectors in piping systems.



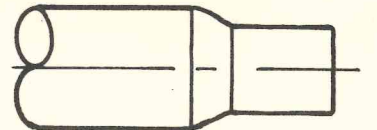
FLANGE

Tube end is formed over as shown. Flange is 90° to tube axis. Used with another heavy flange for a mechanical connection rather than a welded or brazed joint.



SWAGED END

Used to reduce tube end for mating with other parts.



EXPANDED END

Opposite to swaged end also used for mating with other parts.

