

## STEEL SHAPE DIMENSIONING

IN GENERAL, INSIDE, AND INSIDE TO INSIDE DIMENSIONS WILL BE SHOWN. MULTIPLE DIMENSIONS TO A BEND OF LESS THAN 90° IN A PIECE, WILL ALL BE BASED UPON ONE DESIGNATED POINT ON THE INNER SURFACE OF SUCH BEND. THE DIAGRAMS ILLUSTRATE THE MANNER IN WHICH MOST COMMON DETAILS WILL BE DIMENSIONED. THESE PRACTICES ARE APPLICABLE WHERE THIS SHEET IS USED AS A REFERENCE UNLESS DETAILS ARE SHOWN IN SOME OTHER MANNER.

**RIGHT ANGLE BENDS**

SHOW DIMENSION TO POINT OF TANGENCY EXTENDED AS INDICATED BY DIMENSION # 1 FIG. 1.

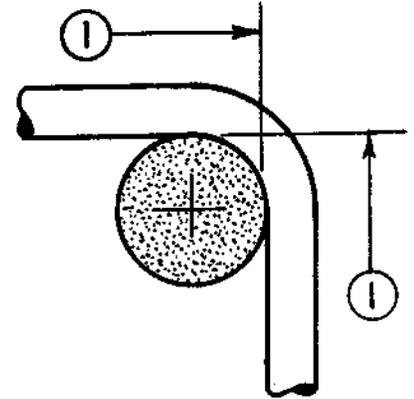


FIG. 1

**BENDS LESS THAN 90°**

SHOW DIMENSION TO POINT OF TANGENCY AS INDICATED BY DIMENSION # 2 FIG. 2.

**OFFSETS WITH PARALLEL MEMBERS**

SHOW OFFSET BETWEEN POINTS OF TANGENCY EXTENDED AS INDICATED BY DIMENSION # 3 FIG. 2.

SHOW RUN BETWEEN PERPENDICULARS TO POINTS OF TANGENCY AS INDICATED BY DIMENSION # 4 FIG. 2.

OMIT DIMENSION # 5.

**OFFSETS WITH NON-PARALLEL MEMBERS**

SHOW RUN AS DISTANCE BETWEEN PERPENDICULARS, TO DIRECTIONS OF DIMENSION, WHICH PASS THROUGH THE POINTS OF TANGENCY. THIS DIMENSION WILL BE SIMILAR TO # 4 IN FIG. 2 EXCEPT ONE PERPENDICULAR WILL NOT PASS THROUGH THE CENTER OF A SHAPING PIN.

SHOW DIAGONAL DIMENSION AS INDICATED BY DIMENSION # 5 FIG. 2.

OMIT DIMENSION # 3.

**BENDS MORE THAN 90°**

SHOW DIMENSION TO PERPENDICULAR TANGENT TO FAR FACE OF SHAPING PIN AS INDICATED BY DIMENSION # 6 FIG. 3.

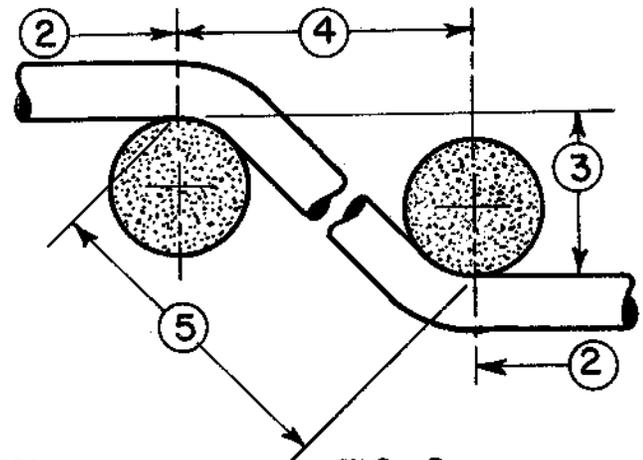


FIG. 2

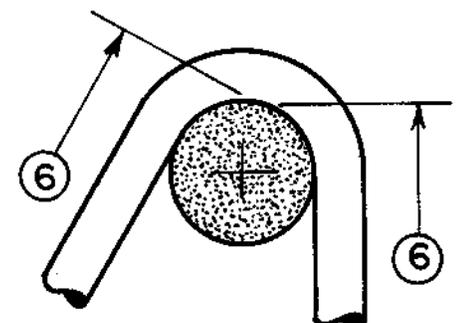


FIG. 3