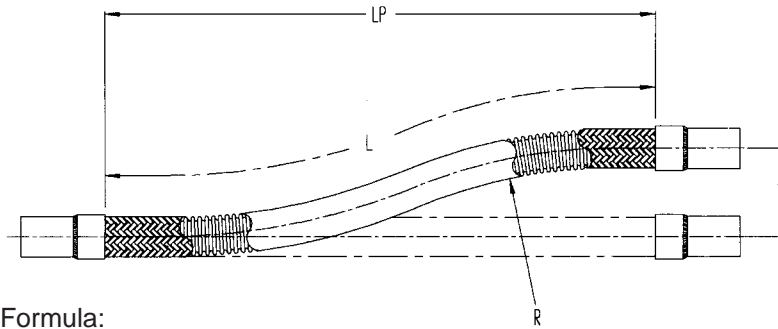


Technical Information (Length Calculations)

Lateral Offset



Formula:

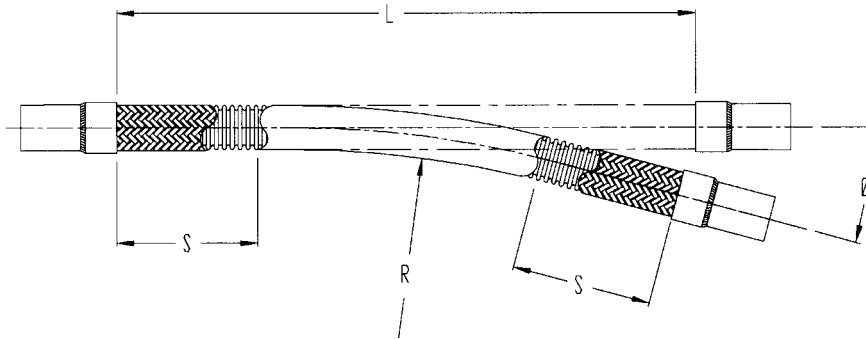
$$L = \sqrt{20R \times T}$$

$$L_p = \sqrt{L^2 - T^2}$$

Note 1: When the offset motion occurs on both sides of the hose centerline, use total travel in the formula.

Note 2: The offset distance "T" for constant flexing should never exceed 25% of the centerline bend radius.

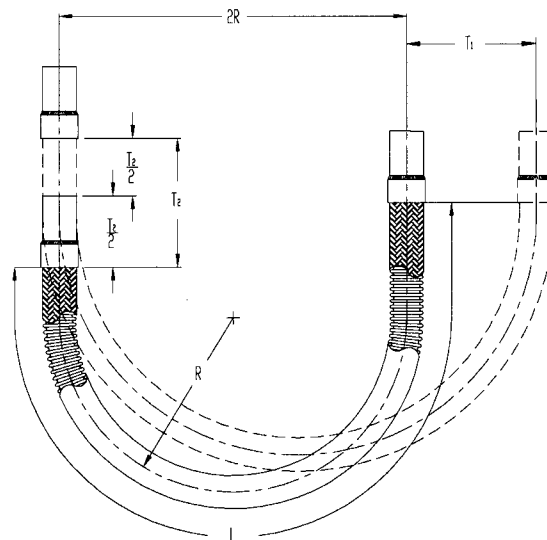
Angular Deflection



Formula:

$$L = 2S + (\theta/57.3)R$$

Vertical Loop with Movement in Two Directions (Combination Loop)



Formula:

$$L = 4R + 1.57T_1 + (T_2/2)$$