CHARACTERISTIC LENGTH OF A BEND CUT AT AN ARBITRARY ANGLE

$$L1 = R \cdot NS$$

$$L2 = L1 \left(\frac{1}{sin(\theta)} - \frac{1}{tan(\theta)} \right)$$
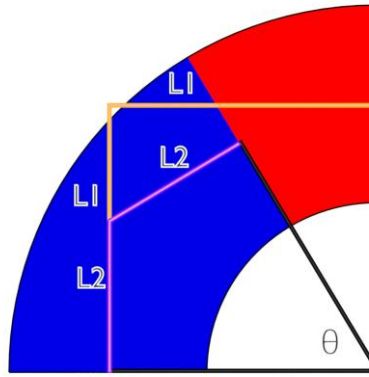
Where:

L1 = Characteristic length of a bend
NS = Nominal Size
R = Bend Radius
θ = angle that the bend is cut short
L2 = Characteristic length of a bend that has been trimmed from a 90° bend