



$$\text{TAN}(8.29714^\circ) = \text{RADIAL} / \text{GAGE}$$

$$\text{RADIAL} = \text{TAN}(8.29714^\circ) \times \text{GAGE}$$

$$\text{RADIAL} = 0.1458332 \times \text{GAGE}$$

EXAMPLE:

$$\text{GAGE INDICATION} = 0.0001"$$

$$\text{RADIAL INCREASE} = 0.1458332 \times 0.0001"$$

$$\text{DIAMETER INCREASE} = 2 \times \text{RADIAL INCREASE}$$

$$\text{DIAMETER INCREASE} = .00001458322 \times 2$$

$$\text{DIAMETER INCREASE} = .00002916664$$