

Pressure Formulas

$$1 \text{ Bar} = 14.5 \text{ psi}$$

$$\text{Force (lbs)} = \text{Pressure} \times \text{Area}$$

$$\text{psi} = \text{lbs} / \text{in}^2$$

$$\text{Pressure} = \text{Force} \div \text{Area}$$

$$\text{Area (in}^2\text{)} = \text{Force} \div \text{Pressure}$$

$$\text{Area} = d^2 \times .7854$$

$$\text{Diameter} = \sqrt{\frac{\text{Area}}{.7854}}$$



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