

Piston Area Chart

Bore	Push (Rod Extend)	Pull (Rod Retract)
20	3,14 cm ² (.48 in ²)	2,64 cm ² (.40 in ²)
25	4,91 cm ² (.76 in ²)	4,12 cm ² (.64 in ²)
32	8,04 cm ² (1.25 in ²)	6,91 cm ² (1.07 in ²)
40	12,56 cm ² (1.95 in ²)	10,55 cm ² (1.64 in ²)

Operating Media: Mineral oil, water polyglycol solutions, water-in-oil emulsions

Maximum Operating Pressure: 103 Bar (1500 PSI)

Operating Temperature: -10°C to 70°C (0°F to 158°F)

Packing: Buna N

Lubrication: PTFE impregnated grease

Stroke Tolerance: +0,75mm/-0mm(+0.03"/-0")

Cylinder Output Force Formula

$$\text{Piston Area} \times \text{Pressure} = \text{Output Force}$$

$$\text{Piston Area (in}^2\text{)} \times \text{Pressure (PSI)} = \text{lbf (Pounds Force)}$$

$$\text{Piston Area (cm}^2\text{)} \times \text{Pressure (kg/cm}^2\text{)} = \text{kgf (Kilograms Force)}$$

$$\text{Piston Area (cm}^2\text{)} \times \text{Pressure (kg/cm}^2\text{)} \times 9.8 = \text{Newtons}$$

$$\text{Piston Area (cm}^2\text{)} \times \text{Pressure (Bar)} \times 10 = \text{Newtons}$$

$$\text{Piston Area (cm}^2\text{)} \times \text{Pressure (Bar)} \times 10 = \text{Newtons}$$

$$\text{Piston Area (cm}^2\text{)} \times \text{Pressure (Bar)} \times 1.02 = \text{kgf (Kilograms Force)}$$
