

TECHNICAL DATA

Sizes: 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2 (including metric equivalent) 3, 3 1/2, 4, 5, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24

Flange Pressure Class: 150# to 2500#

Thickness: 1/16" (1.6mm)

Torque Values: 50% to 65% of Bolt Yield

Flange Surface Finish: 10 to 400 µin RMS (microinches)

Sealing Elements Width: ≥1 1/2 (gasket size) 0.125" each side.

Sealing Elements Width: 1/2 to 1 1/4 (gasket size) 0.100" each side.

Minimal Sealing Element Web Width: 0.670"

"M" and "Y" values: m = 2.85, Y = 2900 psi Leak Rate: 0.005 in mg/m · s (DIN 28090 / 1..2) < 10ppm @ He

Temperature Range: -200°C cryogenic air +500°C in regular atmosphere +650°C in steam +1000°C reducing or inert media

Pressure Range: Full vacuum to +5000 psi

Minimum Seating Stress: 2900 psi (20 MPa)

Maximum Seating Stress: 23,200 psi (160 MPa) (testing equipment limit)

Recommended Seating Stress: 5800 to 8700 psi (40 to 60 MPa)

Standards Available: ANSI 16.5, DIN 2600, JIS B2220, BS 4505, BS 10, AUS 2129



METAL CARRIER OPTIONS

Carbon Steel 32
MONEL® 33
INCONEL® 34
Copper 35
AL6XN® (Stainless Steel) 36
304 Stainless Steel 37
316 Stainless Steel 38
321 Stainless Steel 39
347 Stainless Steel 31
HASTELLOYS® 3H
Nickel 9N
Titanium 3T

SEALING ELEMENT OPTIONS

Flexible Graphite
PTFE
Fiberfrax
MICA

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