

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
HASTELLOY® 3H
Nickel 9N
Titanium 3T

SEALING ELEMENT OPTIONS

Flexible Graphite
PTFE
Fiberfrax
MICA

POWER TO THE FUTURE

flexitallic.com



This data sheet refers to the material as supplied. The information contained herein is given in good faith, but no liability will be accepted by the Company in relation to same. \ We reserve the right to change the details given on this data sheet as additional information is acquired. Customers requiring the latest version of this data sheet should contact our Applications Engineering Department. \ The information given and, in particular, any parameters, should be used for guidance purposes only. The company does not give any warranty that the product will be suitable for the use intended by the customer.