

Self Locator

Flexitallic

FLEX SL
Self Locator

★★★
MADE IN THE
USA

A proprietary design for long-haul reliability without flange welding or misalignment.



PREMIUM SEALING OPTIONS: **SEL+** *Thermiculite* **CORRICULITE**

These gaskets conform to standard DIN, ANSI, JIS, and BS flanges normally installed in pipelines.

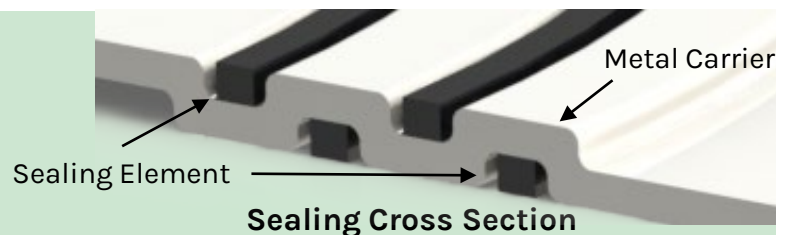
The most important feature of the gasket is the high unit load generated by the narrow sealing area provides a considerably higher flange clamping pressure and a better seal at a lower clamping force.

KEY BENEFITS

- Ability to cope against severe thermal cycling and vibration
- Inherent Live Loading capability
- Fire, Blow Out, & Leak proof
- Superior pressure handling
- Universal one gasket for all pressure classes - ANSI 150# - 2500#
- Protects against use of wrong gasket
- Lowers total sealing costs
- Cannot be over compressed
- No need to re-torque
- Eliminates fugitive emissions
- ANSI, DIN, JIS, BS and AUS sizes available

THE DESIGN

The standard gasket material is 304 SS, with two (2) tracks of SEL+ Flexible Graphite sealing elements. Specialty gasket material and/or sealing elements are available as options.



POWER TO THE FUTURE

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Self Locator Data Sheet

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). Other thicknesses available, contact engineering department for more details

Torque Values: 50% to 65% of Bolt Yield†

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

Sealing Track Width:

- 1/2 to 1 1/4 (gasket size) 0.100" each side.
- ≥1 1/2 (gasket size) 0.125" each side.

Leak Rate: 0.005 in mg/m · s (DIN 28090 / 1..2) < 10ppm @ He

Temperature Range: -328°F/-200°C cryogenic air +932°F/+500°C in regular atmosphere + 1202°F/+650°C in steam +1832°F/+1000°C reducing or inert media. Varies by material.

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)

Available Sizes for Flange Standards:

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

METAL CARRIER OPTIONS

Carbon Steel

MONEL®

INCONEL®

Copper

AL6XN® (Stainless Steel)

304 Stainless Steel

316 Stainless Steel

321 Stainless Steel

347 Stainless Steel

HASTELLOY®

Nickel

Titanium

SEALING ELEMENT OPTIONS

SEL+ Flexible Graphite

PTFE

Thermiculite

Corriculite



† Torque values can be adjusted in accordance with the application parameters, nut factor, and bolt material. Consult Engineering Department for more details

**ALSO
AVAILABLE**



FLEX HX
Heat Exchanger



FLEX MW
Manway

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