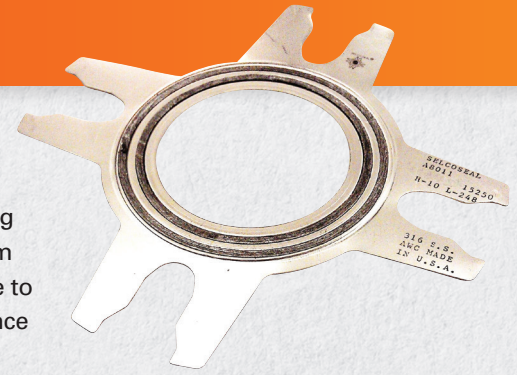


SELF-LOCATOR GASKETS

US NAVY "HYBRID"

The SELF LOCATOR gaskets are a complete stainless steel containment of a sealing element offering a true compression seal. The patented design gives you long term reliability without flange welding and eliminates misalignment on installation. Due to its universal sizing, one gasket fits all flange pressure classes, eliminating the chance of incorrect gasket selection. 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. The standard gasket material is 316 SS, with two (2) tracks of Flexible Graphite sealing elements. Specialty gasket material and/or sealing elements are available as options.



TECHNICAL DATA

SIZES	½, ¾, 1, 1¼, 1½, 2, 2½, 3, 3½, 4, 5, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24
FLANGE PRESSURE CLASS	150# to 2500#
THICKNESS	1/32" thru 12" 1/16" above 12"
TORQUE VALUES	50% to 65% of Bolt Yield
FLANGE SURFACE FINISH	10 to 400 µin RMS (microinches)
SEALING ELEMENTS WIDTH	≥1½ (gasket size) 0.125" each side ½ to 1¼ (gasket size) 0.100" each side
MIN. 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
MIN. SEATING STRESS	2900 PSI (20 MPa) 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

KEY BENEFITS

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

* RAGCO supports the autonomy of its locations to select the best products to service their markets. Subtle variations of these specification may exist. Contact your RAGCO affiliate for confirmation.