



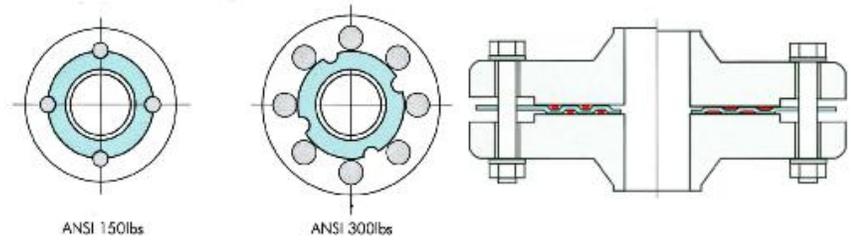
SELCO SEAL® GASKETS

SERVICING THE WORLD



Technical Data Summary

The INSERTABLE gasket design eliminates misalignment on installation, reduces inventory and virtually eliminates the chance of incorrect gasket selection. As a direct replacement for Spiral Wound and Cut Sheet Gaskets, INSERTABLEs are a low cost, volume quantity alternative to our SELF LOCATOR that will satisfy 80% of your flange pressure class requirements.



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 gasket material is **304 SS**, with two (2) tracks of **Flexible Graphite** sealing elements.

Key Benefits

- *Ability to cope against severe thermal cycling and vibration.*
- *Inherent Live Loading capability.*
- *Fire, Blow Out and Leak proof.*
- *Superior pressure handling.*
- *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 sizes available.*

METAL CARRIER	MM
304 Stainless Steel	37

SEALING ELEMENT (per track)	S
Flexible Graphite	1

TECHNICAL DATA	
Sizes:	½, ¾, 1, 1¼, 1½, 2, 2½, 3, 3½, 4
Flange Pressure Class:	150# to 300#
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:	≥1½ (gasket size) 0.125" each side.
Sealing elements width:	½ to 1¼ (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:	< 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) <i>(testing equipment limit)</i>
Recommended seating stress:	5800 to 8700 psi (40 to 60 MPa)
Standards Available:	ANSI 16.5

Gasket Description

XMMSS = Format

- X** = Flange Standard (ANSI)
- MM** = Metal Carrier
- SS** = Sealing Element (1st track, 2nd track)

Example

INSERTABLE A3711 – 1.5"
ANSI, 304 with 1st and 2nd track
Flexible Graphite, Size 1.5"

SEALING CORPORATION

7353 Greenbush Ave., North Hollywood, California 91605
(818) 765-7327 • Fax: (818) 765-8634

1-800-300-SEAL

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