



# SELCO SEAL® GASKETS

## SERVICING THE WORLD



### Technical Data Summary

The RING GASKETS are a complete metal containment of a sealing element offering a true compression seal. They differ from our *custom* RING GASKETS in that they are flange gaskets which conform to regular 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.

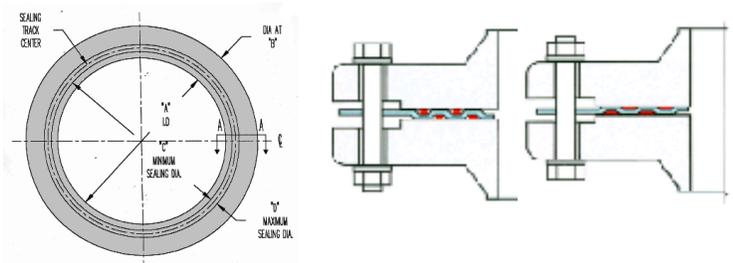
The standard gasket material is **304 SS**, with two (2) tracks of **Flexible Graphite** sealing elements. Specialty gasket material and/or sealing elements are available as options.

### Key Benefits

- Ability to cope against severe thermal cycling and vibration.
- Inherent Live Loading capability.
- Fire, Blow Out and Leak proof.
- Superior pressure handling.
- Lowers total sealing costs.
- Cannot be over compressed.
- No need to re-torque.
- True compression seal.
- Eliminates fugitive emissions.
- ANSI, DIN, JIS, BS and AUS sizes available.

METAL CARRIER	MM
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 (per track)	S
Flexible Graphite	1
PTFE	2
Fiberfrax	3
MICA	4



TECHNICAL DATA	
<b>Sizes:</b>	½, ¾, 1, 1¼, 1½, 2, 2½
(including metric equivalent)	3, 3½, 4, 5, 6, 8, 10, 12
	14, 16, 18, 20, 22, 24
<b>Flange Pressure Class:</b>	150# to 2500#
<b>Thickness:</b>	1/16" (1.6mm)
<b>Torque Values:</b>	50% to 65% of Bolt Yield
<b>Flange Surface Finish:</b>	10 to 400 µin RMS (microinches)
<b>Sealing elements width:</b>	≥ 1½ (gasket size) 0.125" each side.
<b>Sealing elements width:</b>	½ to 1¼ (gasket size) 0.100" each side.
<b>Minimal sealing element web width:</b>	0.670"
<b>"M" and "Y" values:</b>	m = 2.85, Y = 2900 psi
<b>Leak Rate:</b>	0.005 in mg/m · s
	(DIN 28090 / I..2)
	< 10ppm @ He
<b>Temperature Range:</b>	-200°C cryogenic air
	+500°C in regular atmosphere
	+650°C in steam
	+1000°C reducing or inert media
<b>Pressure Range:</b>	Full vacuum to +5000 psi
<b>Minimum seating stress:</b>	2900 psi (20 MPa)
<b>Maximum seating stress:</b>	23,200 psi (160 MPa)
	(testing equipment limit)
<b>Recommended seating stress:</b>	5800 to 8700 psi (40 to 60 MPa)
<b>Standards Available:</b>	ANSI 16.5, DIN 2600, JIS B2220,
	BS 4505, BS 10, AUS 2129

### Gasket Description

- XMMSS = Format
- X = Flange Standard (ANSI, DIN, etc)
- MM = Metal Carrier
- SS = Sealing Element (1<sup>st</sup> track, 2<sup>nd</sup> track)

### Example

RING GASKET A3721 – 6.0" – 600#  
ANSI, 304L with 1<sup>st</sup> track PTFE  
and 2<sup>nd</sup> track Flexible Graphite,  
NPS 6.0", 600# flange

## SEALING CORPORATION

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