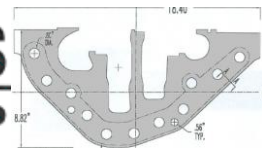




# SELCO SEAL® GASKETS

SERVICING THE WORLD



## Technical Data Summary

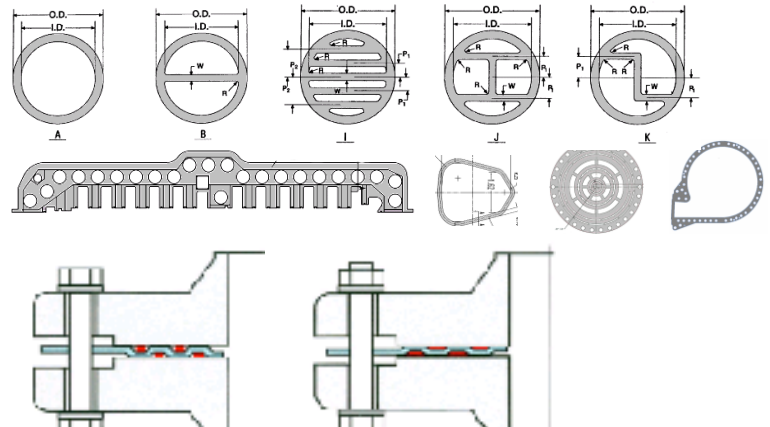
From your basic RING GASKET with an Inner Dimension and Outer Dimension, to your IRREGULAR GASKET with numerous cutouts and boltholes... you provide the drawing, we can make the gasket.

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.
- Cannot be over compressed.
- No need to re-torque.
- True compression seal.
- Eliminates fugitive emissions.



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>	Per your specifications.
<b>Thickness:</b>	recommend 1/16" (1.6mm). <i>Thicker or Thinner gaskets are possible.</i>
<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>	0.375"
<b>"M" and "Y" values:</b>	<b>m</b> = 2.85, <b>Y</b> = 2900 psi
<b>Leak Rate:</b>	0.005 in mg/m · s <i>(DIN 28090 / 1..2)</i> < 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) <i>(testing equipment limit)</i>
<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

**Gasket Shape** D3421 – 1250mm x 1400mm x 2.6mm  
 DIN, Inconel with 1<sup>st</sup> track PTFE and  
 2<sup>nd</sup> track Flexible Graphite,  
 1250mm ID x 1400mm OD, 2.6mm thickness

# SEALING CORPORATION

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