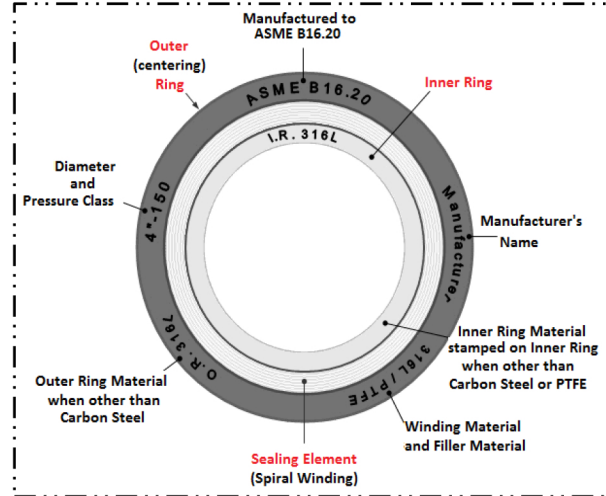


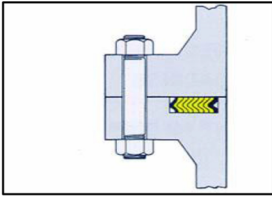


## Spiral Wound Gasket

- ▶ Our spiral wound gaskets have the filler protruding above metal windings and guide ring, therefore as the gasket is compressed, the filler is readily compressed thus producing the sealing effect at an earlier stage if compared to the traditional spiral wound gasket which requires a significant loading stress to compress the gasket to its optimum operating thickness.
- ▶ This low stress gasket has been designed in such a way that compression & sealing requirements are achieved under very low seating stresses.
- ▶ It is suitable for use across a wide pressure range and is therefore virtually universally applicable.
- ▶ Due to its sturdy design the spiral wound gasket is simple to install without causing damage.
- ▶ The outer guide ring serves to locate the spiral element centrally on the flange faces and prevent blow-out.
- ▶ By combining different winding materials and metals the gasket can be tailored to a wide variety of operating conditions.
- ▶ Due to its non-adhesive character the gasket is easy to remove after service. The gasket does not cause any damage to the flange faces.

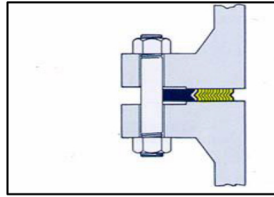


▶ Below are the most common gasket types:



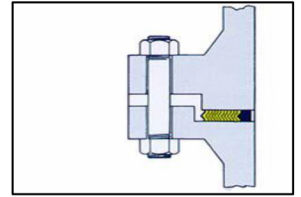
### Type R

- Wide choice of materials for metal strip and filler.
- Suitable for high pressures and temperatures.
- Recommended for flanges with tongue and groove.



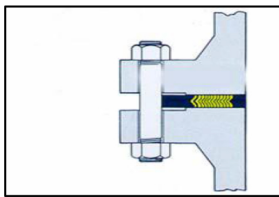
### Type CR

- Solid metal outer ring used as a centering device and compression stop.
- Used on raised face and flat face flanges.



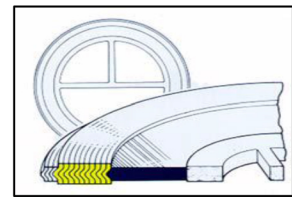
### Type RIR

- Solid metal inner ring.
- Use with high pressures and temperatures.
- Male to female flanges.



### Type CRIR

- Solid metal outer and inner rings.
- For use at high pressures and temperatures.
- Suitable for raised face or flat face flanges.
- Prevents turbulences and protects the flanges from erosion.
- Protects the inner windings of the gasket element from high temperatures.



### Type HTX

- Combined inner and outer rings.
- The inner ring could have pass bars or could carry either a metal clad or soft gasket with pass bars.

▶ Spiral wound gaskets can be manufactured in accordance with all relevant gasket standard to suit the following flange designation:

- ▶ ANSI B16.5 / API 601 / ASME 16.20
- ▶ API 605 (ASME B16.47 Series B)
- ▶ MSS SP 44 (ASME B16.47 Series A)
- ▶ BS 1560 / BS 3381 / BS 10 / BS 4504
- ▶ DIN Flanges
- ▶ JIS Flanges

▶ Spiral Wound Gaskets are available in a range of configurations and materials according to different service conditions:

<b>Filler Material</b>	<b>Maximum Temperature</b>	<b>ASME B16.20 Colour Coding</b>
Graphite	550°C	Grey stripe
PTFE	260°C	White stripe
Nonas	350°C	Pink stripe
Mica	1000°C	Light Green
Mica & Graphite, Zonal	900°C	N/A

<b>Winding Material</b>	<b>Maximum Temperature</b>	<b>ASME B16.20 Colour Coding</b>
Carbon Steel	500°C	Green
304 Stainless Steel	650°C	Silver
316L Stainless Steel	800°C	Silver
Duplex	800°C	N/A
347 Stainless Steel	870°C	Blue
321 Stainless Steel	870°C	Turquoise
Monel 400	800°C	Orange
Nickel 200	600°C	Red
Titanium	540°C	Purple
Hastelloy B-2	1000°C	Brown
Hastelloy C-276	1000°C	Beige
Inconel 600	1000°C	Gold
Inconel 625	1000°C	Gold
Inconel X-750	1000°C	Light Grey
Incoloy 825	1000°C	White

<b>Inner Ring Material</b>	<b>Outer Ring Material</b>
Carbon Steel	Carbon Steel
304 Stainless Steel	304 Stainless Steel
316 / 316L Stainless Steel	316 / 316L Stainless Steel
347 Stainless Steel	347 Stainless Steel
Monel 400	Monel 400
Inconel	Inconel
Duplex	Duplex
Titanium	Titanium
Copper	Copper
Hastelloy	Hastelloy

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