



# SPIRAL WOUND

- Spiral wound gaskets have the ability to recover under the action of fluctuating loads caused by process fluid pressure and temperature changes, flange face temperature variations, flange rotation, bolt stress relaxation and creep.
- The gasket-sealing element consists of a pre-formed metallic winding strip with layers of a softer, more compressible sealing material which, during compression, is densified and flows to fill imperfections in the flange surfaces when the gasket is seated. The metal strip holds the filler giving the gasket mechanical resistance and resilience.
- Maxiflex gaskets can be manufactured from a range of filler materials according to different service conditions:

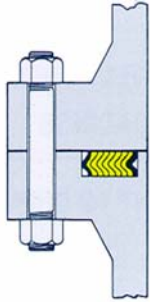
<b>Filler Material</b>	<b>Maximum Temperature</b>	<b>ASME B16.20 Colour Coding</b>
Graphite	550°C	Grey stripe
PTFE	260°C	White stripe
Nonas	350°C	Pink stripe
Mica	1000°C	Light Green
Mica & Graphite, Zonal	900°C	N/A

<b>Winding Material</b>	<b>Maximum Temperature</b>	<b>ASME B16.20 Colour Coding</b>
Carbon Steel	500°C	Silver
304 Stainless Steel	650°C	Yellow
316L Stainless Steel	800°C	Green
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



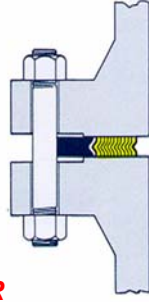
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Maxiflex Spiral Wound Gaskets are available in a range of configurations and materials. Below are the most common gasket types.



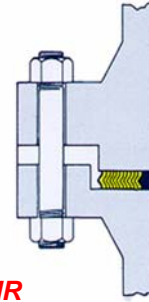
### Type R

- Maxiflex spiral wound sealing element
- Wide choice of materials for filler and metal strip
- Suitable for high pressure and temperature applications
- Recommended flanges - tongue and groove, male to female and flat face to recess
- General and critical duties



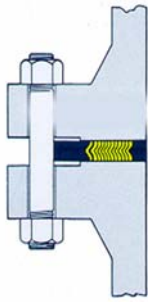
### Type CR

- Maxiflex spiral wound sealing element
- Solid metal outer ring used as a centring device and compression stop
- Used mainly on raised face and flat face flanges
- General Duties



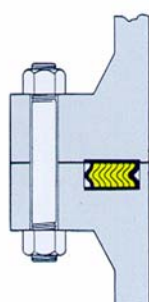
### Type RIR

- Maxiflex spiral wound sealing element
- Solid metal inner ring
- High pressure temperature capability
- Male to female flanges
- General and critical duties



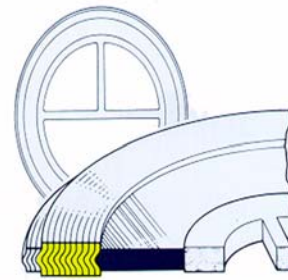
### Type CRIR

- Maxiflex spiral wound sealing element
- Solid metal inner & outer ring
- Suitable for high pressure and temperature applications
- Raised face or flat flanges
- Prevents turbulence and erosion damage to flange
- Prevents damage to the gasket bore and inner windings
- Acts as a heat shield
- Acts as a corrosion barrier
- General and Critical Duties



### Type RHD

- Maxiflex spiral wound sealing element
- Covered with 0.5mm Graflex
- Used on manhole covers
- Low bolt load applications
- Uneven sealing faces
- Double integrity seal



### Type HTX

- (For heat exchanger applications)
- Maxiflex spiral wound sealing element
  - A combination of inner and outer rings
  - The inner ring could have pass bars or could carry either a metal clad or soft gasket with pass bars
  - Manufactured to customer designs