



Maxiflex 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.

Spiral wound gaskets have the ability to recover under the action of fluctuating loads caused by process fluid pressure and temperature changes, flange rotation, bolt relaxation and creep.

Klinger Maxiflex spiral wound gaskets also meet the tightness requirements of TA-Luft. Graphite filled and Mica & Graphite filled gaskets are fire safe to API 6FB.

Maxiflex spiral wound gaskets are suitable for use in high pressure rating systems from class 150 (20 bar) up to class 2500 (420 bar).

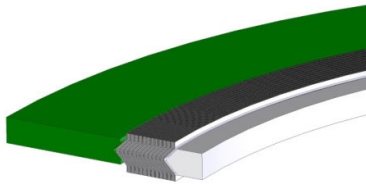
Maxiflex gaskets can be manufactured from a range of filler materials according to different service conditions

FILLER MATERIAL	TEMPERATURE RANGE	ASME B16.20 COLOUR CODING
Graphite	-200 to 500°C	Grey Stripe
PTFE	-200 to 260°C	White Stripe
Mica	-200 to 1000°C	Light Blue Stripe
Mica & Graphite, Zonal	-200 to 900°C	N/A

WINDING MATERIAL	TEMPERATURE RANGE	ASME B16.20 COLOUR CODING
304L Stainless Steel	-200°C to 650°C	No Colour
316L Stainless Steel	-200°C to 800°C	Green
Duplex	-45°C to 300°C	N/A
Super Duplex	-45°C to 300°C	N/A
347 Stainless Steel	-200°C to 870°C	Blue
321 Stainless Steel	-200°C to 870°C	Turquoise
Monel 400	-200°C to 400°C	Orange
Nickel 200	-200°C to 315°C	Red
Titanium	-150°C to 350°C	Purple
Hastelloy B-2	450°C	Brown
Hastelloy C-276	-270°C to 450°C	Beige
Inconel 600	-200°C to 1000°C	Gold
Inconel 625	-200°C to 650°C	Gold
Inconel X-750	-125°C to 1000°C	Light Grey
Incoloy 825	-200°C to 450°C	White
Zirconium 702	500°C	N/A
Alloy 31	-196°C to 450°C	N/A

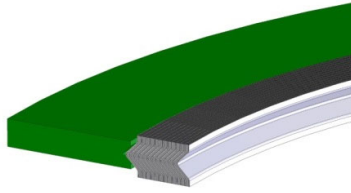
## MAXIFLEX STYLES

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



### Type CRIR

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



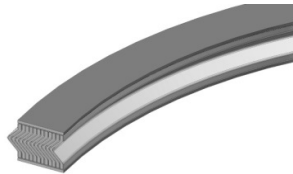
### Type RIR

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



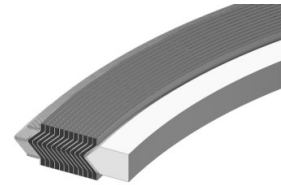
### Type R

- » 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 RHD

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



### Type HTX

- » 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

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