

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.

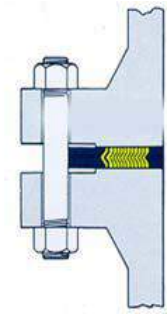
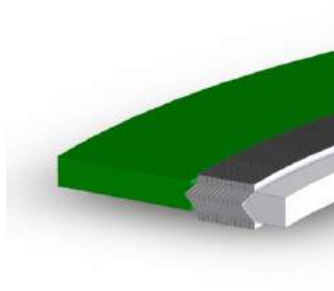
Spiral Wound Gaskets can be manufactured from a range of filler materials according to the various service conditions.

Filler Material	Maximum Temperature	ASME B16.50 Colour Coded
Graphite	550°C	Grey Stripe
PTFE	260°C	White Stripe
Mica	1000°C	Light Green Stripe
Mica & Graphite	900°C	-

Winding Material	Maximum Temperature	ASME B16.20 Colour Coding
Carbon Steel	900°C	Silver
304 Stainless Steel	650°C	Yellow
316L Stainless Steel	800°C	Green
Duplex UNS31803	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 Gr2	500°C	Purple
Hastelloy B-2/-3	700°C	Brown
Hastelloy C-276	700°C	Beige
Inconel 600	1000°C	Gold
Inconel 625	1000°C	Gold
Inconel X-750	1000°C	N/A
Incoloy 825	600°C	N/A
Zirconium	500°C	N/A
Super Duplex	600°C	N/A
254 SMO	600°C	N/A
Titanium Gr7	500°C	N/A
Hastelloy C-22	700°C	N/A
Hastelloy G-31	800°C	N/A
Alloy 20	600°C	N/A

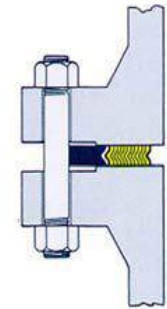
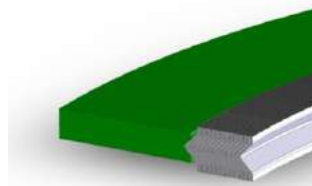
Type CRIR

- 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
- Inner ring acts as heatshield
- Inner ring acts as a corrosion barrier
- Wide choice of materials for the filler and metal strip
- General and critical duties.



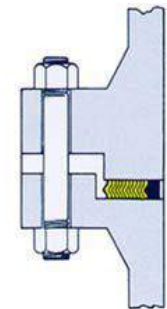
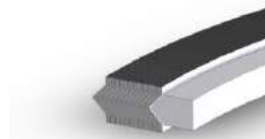
Type CR

- Spiral Wound Sealing Element
- Solid metal outer guide ring used as a centring device and compression stop
- Used mainly on raised face and flat face flanges
- Wide choice of materials for filler and metal strip
- General duties



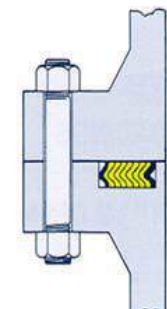
Type RIR

- Spiral Wound sealing element
- Solid metal inner ring
- High pressure & high temperature capability
- Male to female flanges
- Wide choice of materials for filler and metal strip
- General and critical duties



Type R

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



Manufacturer	Product Name	Spiral Wound Type – Cross Reference			
Klinger	Maxiflex	CRIR	CR	RIR	R
Novus	Spiral Wound	SG/IR	SG	IR	RF1
Flexitallic	Spiral Wound	CGI	CG	RIR	R
Garlock	Flexseal	RWI	RW	SWI	SW
James Walker	Metaflex	SG/IR	SG	C/IR	C
Lamons	Spiraseal	WRI	WR	MWI	W
Kempchen	Rivaflex	SpV2J	SpV2	SpV1J	SpV1