



DIRECT GASKETS LIMITED
UNITS 26 - 36
DANSOM LANE SOUTH
HULL
HU8 7LA



TELEPHONE: 01482 219655
FAX: 01482 321162

EMAIL: info@direct-gaskets.co.uk
WEBSITE: www.direct-gaskets.co.uk

SPIRAL WOUND

DESCRIPTION

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.

The outer ring of the spiral prevents blow outs and simplifies fitting the gasket.

The inner ring acts as an additional heat shield when subjected to high temperatures.

Spiral wound gaskets are also easy to fit as well as remove and will not damage a flange face.

STOCK

In stock with the construction of:

Carbon outer/ 316 stainless inner/ Graphite filled

Sizes ½" to 24"

ALL PRESSURES AND TEMPERATURES ARE SUBJECT TO INDIVIDUAL APPLICATION



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CONSTRUCTIONS OF SPIRAL WOUNDS

FILLER MATERIAL	MAX. TEMPERATURE	ASME B16.20 COLOUR CODING
Graphite	500°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

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CONSTRUCTIONS OF SPIRAL WOUNDS

WINDING MATERIAL	MAX. TEMPERATURE	ASME B16.20 COLOUR CODING
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
Zirconium 702	500°C	N/A

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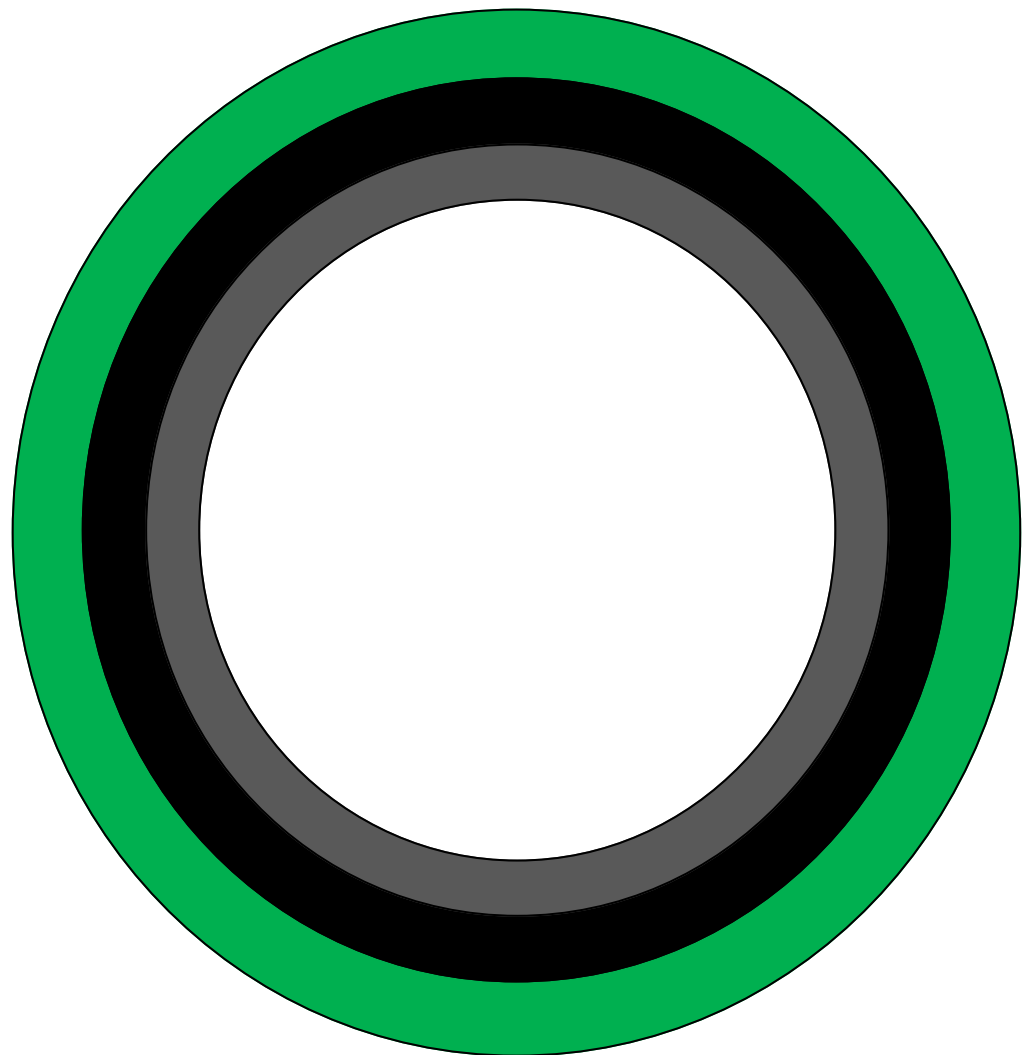


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CONSTRUCTIONS OF SPIRAL WOUNDS



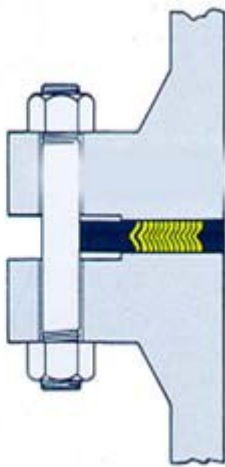
GREEN = OUTER RING

BLACK = WINDING

GREY = INNER RING

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CONSTRUCTIONS OF SPIRAL WOUNDS



TYPE CRIR

- 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

OTHER CONSTRUCTION TYPES ARE AVAILABLE ON REQUEST

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