

Spiral Wound Gaskets

Spiral Wound Gaskets are a robust sealing product widely used across many industrial applications.

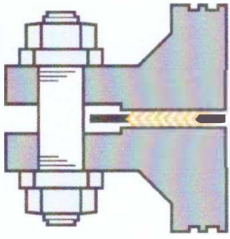
Spiral Wound Gaskets consist of a 'V' shaped metal strip spirally wound in combination with a soft filler material - normally Graphite, PTFE or Mica depending on the application and customer specification.

Details:-

- Spiral Wound Gaskets are suitable for use across a wide gasket stress range and are able to seal fluid pressures up to 400 bar and from cryogenic temperatures up to 1000°C.
- Available to suit ASME, DIN or JIS standard flanges or to special dimensions in materials to suit mating flange.
- Available in bespoke sizes to suit vessel or exchanger applications.
- By combining different winding materials and metals, Spiral Wound Gaskets can be tailored to suit a wide variety of operating conditions.
- The outer guide ring simplifies assembly and prevents blowout of the gasket.
- The gasket is easy to remove after service and does not cause any damage to the flange faces.

Spiral Wound Gasket Profiles:-

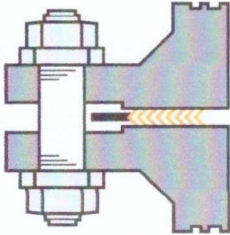
CGI



The preferred and most common type which offers the best performance.

Gaskets supplied with outer guide ring to centralize the gasket and inner ring which acts as a compression stop and prevents inward buckling – used for RF flanges.

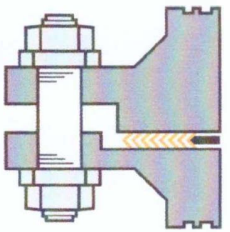
CG



Supplied with outer guide ring only – no inner ring.

Used on RF flanges but not recommended over SGIR type.

RIR

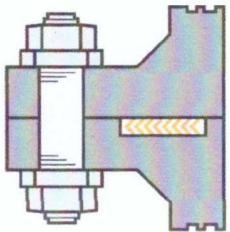


Spiral Wound Gasket with sealing element and Inner ring only.

Mainly used for male and female flanges and recess flanges.

The inner ring is necessary as a compression stop.

R



Sealing element only gasket.

Mainly used for valve bonnets, male and female flanges, recess flanges and load bearing flange configurations such as tongue and groove flanges.

SWG Materials

<i>Filler Material</i>	<i>Max Temperature</i>	<i>ASME B16.20 Colour Coding</i>
Graphite	550°C	Grey Stripe
PTFE	250°C	White Stripe
Mica	1000°C	Light Green

<i>Winding Material</i>	<i>Max Temperature</i>	<i>ASME B16.20 Colour Coding</i>
Carbon Steel	500°C	Silver
316L Stainless	800°C	Green
304 Stainless	650°C	Yellow
Duplex	800°C	N/A
Super Duplex	600 °C	N/A
347 Stainless	870°C	Blue
321 Stainless	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