

## Spiral-wound gaskets Type SRI with inner- and outer guide ring



### Description

Spiral-wound gaskets are widely used as a high quality and durable gasket. The sealing element is made of pre-formed, V-shaped metal windings with soft filling material. Most used fillers are graphite and PTFE.

Because of the construction, the Spiral-wound gasket has a high compressibility and recovery. Leader Style SRI Spiral-wound gaskets are available with an inner- and outer guide ring. These are available for ASME B16.5 raised faced flanges to 2500 lbs and for EN/DIN flanges to PN400 +vacuum.

### Technical properties

- Blow-off safe
- Large chemical resistance
- firesafe
- Suitable for differing pressure and temperature
- Low emission
- Widely applicable
- Not adhesive to flanges
- Easily mountable

### Application

(Petro-) Chemical Industry, Steam, On- and Offshore, piping, pressure vessels and heat exchangers.

### Chemische resistentie, druk en temperatuur

Spiral-wound gaskets are suitable for various different media, in a pH range of 0-14. Application / compatibility guide is available upon request.

Temperature -250 °C to max +450 °C (steam to max +550 °C). Depending on materials

### Supply programme

Standard gaskets are reproduced according to EN1514-2 for EN/DIN-flanges class PN10 - PN400 and ASME B16.20 / EN 12560-2, for flanges according to ASME B16.5 class 150-2500lbs.

Non standard sizes up to 4000 mm in diameter can quickly be produced. Other materials available upon request, see table 2.

### Goedkeuringen en certificaten

- BAM
- Firesafe
- TA-Lüft
- EN10204 3.1 certificates available upon request, as well as NACE MR0175/ISO 15156 conformity statement.



Table 1: Technical data\*

Max. applicable pressure	350 bar
Max pressure and temperature	see materials table 2
Min- en max temperature	see materials table 2
M-factor (ASME Boiler&Pressure Vessel code Div. I, section VIII, Appendix 2) :	3
Y-value (ASME Boiler&Pressure Vessel code Div. I, section VIII, Appendix 2) :	10000psi (70N/mm2)
Min surface pressure (DIN E 2505 part 2)	>50 MPa
Max surface pressure (DIN E 2505 part 2)	300 MPa
Flange roughness (Ra)	Ra=3,2-6,3 micron

\* Depending on material and construction

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Table 2: Materials\*

	Unit	Color coding	Temperature limit
	ASME B16.20	ASME B16.20	°C.
<b>Soft filling material</b>			
Graphite	FG	Grey strip	- 250 / + 450 (+ 550)
PTFE	PTFE	White strip	- 240 / + 260
Mica	MICA	Light blue strip	- 50 / + 900
<b>Metallic material</b>			
Carbon Steel	CRS	Silver	- 25 / + 500
SS304(L)	304(L)	Yellow	- 200 / + 900
SS316(L)	316(L)	Green	- 100 / + 550
SS321	321	Turquoise	- 200 / + 550
SS347	347	Blue	- 200 / + 550
Duplex (ASTM A182-F51)	31803	No color	- 60 / + 300
Avesta 254 SMO (6Mo)	31254	No color	- 100 / + 550
Carpenter 20 CB3	A20	Black	- 100 / + 500
Nickel 200	NI200	Red	-100 / + 450
Nickel 201	NI201	Red	-100 / + 550
Monel® / Alloy 400	MON	Orange	- 50 / + 500
Inconel® / Alloy 600	INC600	Gold	- 100 / + 650
Inconel® / Alloy 625	INC625	Gold	- 100 / + 800
Inconel® / Alloy X-750	INX	No color	- 100 / + 700
Incoloy® / Alloy 800	IN800	White	- 100 / + 550
Incoloy® / Alloy 825	IN825	White	- 200 / + 800
Hasteloy® / Alloy B2	HAST B	Brown	-100 / + 500
Hasteloy® / Alloy C276	HAST C	Beige	-100 / + 600
Titanium Gr2	TI	Purple	-100 / + 350
Zirconium	ZIRC	No color	-50 / + 900

\* The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or in-complete. Specific applications must always be requested

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