

Low Stress Spiral-wound gaskets Type SRI-LS with inner- and outer guide ring



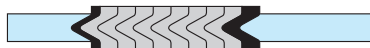
Description

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 Low Stress Spiral-wound gasket needs a low load to compress. Leader Style SRI-LS Spiral-wound gaskets are available with an inner- and outer guide ring. These are available for ASME B16.5 raised faced flanges to 300 lbs and for EN/DIN flanges to PN40

Technical properties

- Blow-off safe
- Large chemical resistance
- firesafe
- Suitable for differing pressure and temperature
- Low emission
- 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 - PN40 and ASME B16.20 / EN 12560-2, for flanges according to ASME B16.5 class 150-300lbs.

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

Table 1: Technical data*

Max. applicable pressure	50 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) :	5000psi (35MPa)
Min surface pressure (DIN E 2505 part 2)	>35 MPa
Flange roughness (Ra)	Ra=3,2-6,3 micron

* Depending on material and construction

Table 2: Materials*

	Unit	Color coding	Temperature limit
	ASME B16.20	ASME B16.20	°C.
Soft filling material			
Graphite	FG	Grey strip	- 250 / + 450 (+ 550)
PTFE	PTFE	White strip	- 240 / + 260
Mica	MICA	Light blue strip	- 50 / + 900
Metallic material			
Carbon Steel	CRS	Silver	- 25 / + 500
SS304(L)	304(L)	Yellow	- 200 / + 900
SS316(L)	316(L)	Green	- 200 / + 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

Disclaimer: 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. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.

For more information, quotations or orders: Phone +31 (0)72 514 15 14 or E-mail info@eriks.nl