Spiral-wound gasket Type SI
with inner 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 SI spiral-wound gaskets are provided with an inner guide ring. SI spiral-wound gaskets zijn geschikt voor ASME B16.5 tongue and groove or male / female (Spigot to Recess) flenzen tot 2500lbs. Usually applied with pumps and valves.

Technical properties
- Blow-off safe
- Large chemical resistance
- Suitable for differing pressure and temperature
- Low emission
- Large pressure limits
- Not adhesive to flanges
- Easily mountable
- Firesafe

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

Chemical resistance, pressure and temperature
Spiral-wound gaskets are suitable for various differtent media, in a pH range of 0-14.
Application / compatibility guide is available upon request.
Temperature from –250 °C to max +450 °C (steam to max +550 °C)

Supply programme
Standard style S spiral-wound gaskets are normally produced according to drawings or specified dimensions. Spiral-wound gaskets are available with thickness 3,2 / 4,5 / 6,4 / 7,2 mm. Various different materials available, see table 2.

Table 1: Technical data*

Max. applicable pressure	350 bar
Max. pressure and temperature	see materials table 2
Min- en maximale temperatuur	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)	>50N/mm2
Max surface pressure (DIN E 2505 part 2)	300N/mm2
Flange roughness (Ra)	Ra=3,2-6,3 micron

* Depending on material and constuction

D20200105010-nl_22.12.2016

ERIKS bv • Postbus 280 • 1800 BK Alkmaar • T +31 72 514 15 14 • info@eriks.nl • www.eriks.nl

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 (Teflon®)	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	- 250 / + 550
SS316(L)	316(L)	Green	- 200 / + 550
SS321	321	Turquoise	- 250 / + 550
SS347	347	Blue	- 250 / + 550
Duplex (ASTM A182-F51)	31803	No color	- 100 / + 350
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	- 60 / + 425
Inconel® / Alloy 600	INC600	Gold	- 60 / + 900
Inconel® / Alloy 625	INC625	Gold	- 100 / + 800
Inconel® / Alloy X-750	INX	No color	- 100 / + 700
Incoloy® / Alloy 800	IN800	White	- 110 / + 950
Incoloy® / Alloy 825	IN825	White	- 100 / + 800
Hasteloy® / Alloy B2	HAST B	Brown	-200 / + 450
Hasteloy® / Alloy C276	HAST C	Beige	-200 / + 450
Titanium Gr2	TI	Purple	-40 / + 20
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

** Color coding is not applicable for Type S

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

D20200105010-nl_22.12.2016