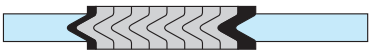
Spiral Wound Gasket Type SRI

With inner- and outer guide ring



Description

Spiral wound gaskets are used for high pressure and temperature applications. ERIKS has a selection in all conceivable models and in various materials. In addition, specialty gaskets can be made quickly in our production facilities throughout Europe. Leader Style SRI SWG's are provided with an inner- and outer guide ring. These gaskets are suitable for ASME B16.5 raised faced flanges up to 2500 lbs and for EN/DIN flanges up to PN400.

Sealing Characteristics

- Blow out safe;
- Broad chemical resistance (pending on the metallic materials and filler);
- Firesafe;
- Design suitable for fluctuating temperatures and pressures;
- Low leak rate;
- Wide seating stress range;
- Non sticking to the flanges;
- Easy to install.

Application

(Petro-) Chemical Industry, Steam, On- and Offshore exploration, pipeline systems, pressure vessels and exchangers.

Chemical compatibility, pressure and temperature

Due to the gasket construction, SWG's offer high compressibility and recovery.
SWG's can be used in a wide variety of media, in a pH range varying from 0-14.
Pressure from vacuum to ASME B16.5 class 2500lbs and DIN/EN class PN400.
Temperature range from –250 °C to 450 °C (steam 550 °C).
Application and/or compatibility guide is available on request.

Delivery options

Standard gaskets are manufactured according EN1514-2 for EN/DIN-flanges class PN10 - PN400 and ASME B16.20 / EN 12560-2, for flanges acc. ASME B16.5 class 150-2500lbs. Also non-standard equipment gaskets can be manufactured up to a diameter of 4000 mm.
We have a large stock in Carbon Steel and SS316L. Other materials are also available, refer to table 2.

Approvals and Certificates

EN10.204 3.1 certificates can be delivered on request, as well as NACE MR0175/ISO 15156 conformity statement.
TA-Luft
BAM
Fire Safe API 6F

Table 1: Technical data

Max. working pressure	350 bar
Maximum pressure and temperatures limitations	Acc. ASME B16.5
Min- en maximum temperatures	See materials table 2
M-value (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 (70 MPa)
Minimum seating stress (Din 28090-1)	50 MPa
Maximum seating stress (Din 28090-1)	300 MPa
Gasket- and required flange roughness (Ra)	Ra=3,2-6,3 micron
Gasket- and required flange roughness (RMS)	RMS=125-250

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Table 2: Materials

MATERIALS	Identification	Color coding	Temperature Range
	ASME B16.20	ASME B16.20	Degrees °C.
Soft Filler materials			
Graphite	FG	Gray stripe	- 250 / + 450 (+ 550)
PTFE (Teflon®)	PTFE	White stripe	- 240 / + 260
Ceramic	CER	Light green stripe	- 50 / + 1000
Mica	MICA	Light blue stripe	- 50 / + 900
Metallic Materials			
Carbon Steel	CRS	Silver	- 25 / + 500
SS304(L)	304(L)	Yellow	- 200 / + 550
SS316(L)	316(L)	Green	- 100 / + 550
SS321	321	Turqoise	- 200 / + 550
SS347	347	Blue	- 200 / + 550
Duplex (ASTM A182-F51)	31803	No colour	- 60 / + 300
Avesta 254 SMO (6Mo)	31254	No colour	- 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 colour	- 100 / + 700
Incoloy® / Alloy 800	IN800	White	- 100 / + 550
Incoloy® / Alloy 825	IN825	White	- 100 / + 800
Hasteloy® / Alloy B2	HAST B	Brown	-100 / + 500
Hasteloy® / Alloy C276	HAST C	Beige	-100 / + 600
Titanium	TI	Purple	-100 / + 350
Zirconium	ZIRC	No colour	-50 / + 900
1) This information is for general reference only. It does not take into consideration			
specific application conditions such as pressure or process fluid.			

For more information, quotations or orders: Phone +31 72 514 18 44 or E-mail seals@eriks.nl