

Leader SpiralKAM

High Integrity SPW Gaskets

DESCRIPTION

SpiralKAM SRI-LCP and SRI-LCG: Two Seals, One Design. Advanced fluid sealing technology for severe service applications, engineered to prevent crevice corrosion at flange IDs. It is ideal for use in HF acid and other hazardous environments. Constructed from alloy materials tailored to the process media and corrosive conditions. The primary seal features a LeaderKAM kammprofile with an PTFE-coated or alloy construction, while the secondary seal incorporates a spiral wound with inhibited grade high-purity graphite or ePTFE.

APPLICATION

Petrochemical Industry, Steam, On and Offshore Exploration, Pipeline Systems, Pressure Vessels, Exchanges, and Alkylation units.

CHEMICAL COMPATIBILITY

Subject to materials, Leader SpiralKAM can be used in a wide variety of media, with a pH range varying from 0-14. Application/Compatibility Guide is available on request.

AVAILABLE 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.

APPROVALS & CERTIFICATES

- EN10204 3.1
- NACE MR0175

SEALING CHARACTERISTICS

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

TECHNICAL DATA	
Maximum Temperature	See Material Table Below
Maximum Pressure (PSI)	ASME B 16.5 2500 class
M-Value	3
Y-Value	10000 PSI
Flange Surface Finish (Microinch RA)	125/250
Flange Surface Finish (Micrometer RA)	3.2 - 6.3
Maximum Seating Stress	43500 PSI
Minimum Recommended Seating Stress at Assembly	12500 PSI

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Color Code Chart - ASME B 16.20

Material	Minimum °F °C		Maximum °F °C		Abbreviation	Guide Ring Color Code
304 Stainless Steel	-320	-195	1400	760	304	Yellow
316L Stainless Steel	-150	-100	1400	760	316L	Green
317L Stainless Steel	-150	-100	1400	760	317L	Maroon
321 Stainless Steel	-320	-195	1400	760	321	Turquoise
347 Stainless Steel	-320	-195	1600	925	347	Blue
Carbon Steel	-40	-40	1000	540	CRS	Silver
20Cb-3 (Alloy 20)	-300	-185	1400	760	A-20	Black
HASTELLOY® B 2	-300	-185	2000	1090	HAST B	Brown
HASTELLOY® C 276	-300	-185	2000	1090	HAST C	Beige
INCOLOY® 800	-150	-100	1600	870	IN 800	White
INCONEL® 600	-150	-100	2000	1090	INC 600	Gold
INCONEL® X750	-150	-100	2000	1090	INX	No Color
MONEL® 400	-200	-130	1500	820	MON	Orange
Nickel 200	-320	-195	1400	760	NI	Red
Titanium	-320	-195	2000	1090	TI	Purple

Non-Metallic Fillers - ASME B 16.20

Material	Minimum °F °C		Maximum °F °C		Abbreviation	Guide Ring Color Code
Ceramic	-350	-212	2000	1090	CER	Light Green
Flexible Graphite	-350	-212	975	510	FG	Gray
PTFE	-400	-240	500	260	PTFE	White
LeaderTherm NXT	-350	-212	1800	677	LTNXT	Light Blue
LeaderTherm / Graphite	-350	-212	1500	816	LTD	Lt Blue / Gray