



KV9 / KV9L

Kammprofile, flat with fixed/loose guide ring

Description

LeaderKAM kammprofile gaskets consists of a metal core with concentric grooves. A soft layer of graphite, ePTFE, mica or silver is applied to both sides of the gasket.

Technical properties

- Excellent sealing properties
- Blow-off safe
- High pressure- and temperature limits
- Good chemical resistance
- Firesafe
- Easily mountable

Application

(Petro-) Chemical industry, steam, On- and Offshore, piping, heat exchangers,

pressure vessels and coolers. Excellent alternative option for "Metal Jacketed" gaskets.

Chemical resistance, pressure and temperature

LeaderKAM Kammprofile are applicable for various media. Temperature from -250 °C to max +450 °C (steam +550 °C) with graphite layer. Mica layer has a max temperature of +900°C..

Supply programme

Standard sizes according to EN1514.6, EN12560-6, ASME B1620. Non-standard sizes available in virtually any diameter.

Approvals and certificates

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



Table 1: Technical data*

Max. working pressure	200 bar	
Max pressure and temperature	acc. ASME B16.5	
Min- and maximum temperature	see material table 2	
M-value (ASME Boiler & Pressure Vessel code Div. I, section VIII, Appendix 2) :	3	(with graphite layer)
y-value (ASME Boiler & Pressure Vessel code Div. I, section VIII, Appendix 2) :	10000 psi	(with graphite layer)
Maximum pressure (Qsmax En13555)	500 MPa	
Flange roughness (Ra)	Ra = 3,2 - 6,3 micron	
Flange roughness (RMS)	RMS = 125-250	

* Depending on material and construction

Table 2: Materials*

	Identification	Color coding	Temperature limit
	ASME B16.20	ASME B16.20	C.
Soft filling materials			
Graphite	FG	Grey strip	- 250 / + 450 (+ 550)
ePTFE (Teflon®)	PTFE	White strip	- 240 / + 260
Mica	NOVA-MICA	light blue strip	- 50 / + 900
Silver	SILVER	No color	- 100 / + 750
Metallic Materials			

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Table 2: Materials*

Carbon Steel	CRS	Silver	- 25 / + 500
SS304(L)	304(L)	Yellow	- 200 / + 550
SS316(L)	316(L)	Green	- 270 / + 550
SS321	321	Turquoise	- 270 / + 550
SS347	347	Blue	- 270 / + 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 / + 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	- 110 / + 450
Hasteloy® / Alloy B2	HAST B	Brown	-100 / + 500
Hasteloy® / Alloy C276	HAST C	Beige	-200 / + 450
Titanium	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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