

## KB - Kammprofile, spherical, without 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

- Exceptional 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 surface. Mica surface has a max temperature of +900°C.

### Supply programme

Virtually any size or material possible. Non-standard sizes can be made in virtually any diameter.

### Approvals and certificates

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

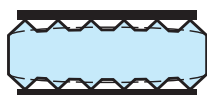


Table 1: Technical data\*

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

\* Depending on material and construction

Table 2: Materials\*

	Temperature limit
	°C
<b>Soft filling materials</b>	
Graphite	- 250 / + 450 (+ 550)
ePTFE	- 240 / + 260
Mica	- 50 / + 900
Silver	- 100 / + 750
<b>Metallic Materials</b>	
Carbon Steel	- 25 / + 500
SS304(L)	- 200 / + 550
SS316(L)	- 270 / + 550
SS321	- 270 / + 550
SS347	- 270 / + 550

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**Table 2: Materials\***

Duplex (ASTM A182-F51)	- 60 / + 300
Avesta 254 SMO (6Mo)	- 100 / + 550
Carpenter 20 CB3	- 100 / + 500
Nickel 200	-100 / + 450
Nickel 201	-100 / + 550
Monel® / Alloy 400	- 50 / + 425
Inconel® / Alloy 600	- 60 / + 900
Inconel® / Alloy 625	- 100 / + 800
Inconel® / Alloy X-750	- 100 / + 700
Incoloy® / Alloy 800	- 110 / + 950
Incoloy® / Alloy 825	- 110 / + 450
Hasteloy® / Alloy B2	-200 / + 450
Hasteloy® / Alloy C276	-200 / + 450
Titanium	-100 / + 350
Zirconium	-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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