

**SITTECH®**

TECHNICAL DATA SHEETS



- Very high operating pressures
- Very low leakage rates for gases and liquids
- High operational safety due to broad range of app.

KAMMPROFILE SERRATED GASKET

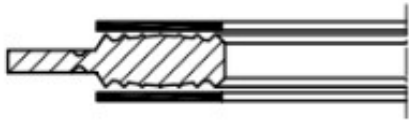
CATEGORY: FLANGE SEAL
MANUFACTURER: IDT
PROFILE: KD24
DIMENSION: EN 1514-6 [EN12560-6]
MATERIAL: Dependent on material

- Widely used in chemical and petro-chemical sector
- Device and container flanges, pumps and valves
- Power stations, steam gener. and in device constr.

PRODUCT NAME

**Kammprofile serrated gasket
 with convex-shaped metal core
 integral centering ring and pre-determined breaking point**

PROFILE

KD24

FEATURES

The convex stainless steel carrier is serrated on both sides. [Standard: WS 1.4571/Kammprofile serrated profile partition 1.0mm] is covered with a non-metallic layer, mostly graphite or PTFE. **The gasket has an integral centring ring with pre-determined breaking point which ensures the centring on the flange bolts and prevents fatigue failures in the gasket area.**

Complies with TA Luft and VDI 2290¹.

OPERATIONAL DATA

	Grafit	PTFE
Pressure	Max. 400 bar	
Temperature	-200°C to 550°C ³	-200°C to 250°C
Density [mDIN 2505]	1.1	1.1
$\sigma_{VU0.1}$	15 N/mm ²	15 N/mm ²
σ_{VO}	500 N/mm ²	500 N/mm ²
$\sigma_{B0300^\circ C [200^\circ C]}$	500 N/mm ²	450 N/mm ²

APPROVALS

TA Luft 2002 [VDI 2440/2200]	X	X
BAM oxygen	X	
BAM ethylene/propylene		
DVGW [DIN 3535-6]		
KTW-guideline		
Fire Safe Test	X	
FDA		
EG 1935/2004		
Blow-out resistance	X	
Germanischer Lloyd		

Notes: ¹ complies with VDI 2290 only in combination with a leakage certificate as per EN 1591-1

³ upward of 450°C please consult the manufacturer