



TECHNICAL DATA SHEETS



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

SPIRAL WOUND GASKET

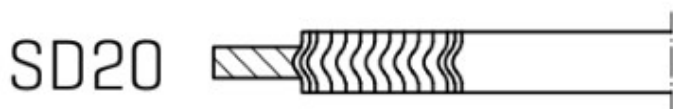
CATEGORY: FLANGE SEAL
MANUFACTURER: IDT
PROFILE: SD20
DIMENSION: EN 1514-2 [EN12560-2]
MATERIAL: Dependent on material

- Very high operating pressure and/or temperature
- Device and container flanges, pumps and valves
- Chemical and petro-chemical sector, power stations

PRODUCT NAME

Spiral wound gasket
graphite / PTFE filling
with centering ring

PROFILE



FEATURES

The spiral wound gasket consists of a spiral-shaped wrapped, beaded metal strip. A non-metallic tape [graphite or PTFE] protruding on both sides is fitted between the individual windings of the metal tape. The outer ring promotes correct centring via the flange bolts and an increase of the radial stability.

Complies with TA Luft and VDI 2290¹.

OPERATIONAL DATA

	Grafit	PTFE
Pressure	Max. 320 bar	
Temperature	-200°C to 550°C ³	-200°C to 250°C
Density [mDIN 2505]	1.4	1.2
$\sigma_{VU0.1}$	50 N/mm ²	45 N/mm ²
σ_{VO}	150 N/mm ²	150 N/mm ²
$\sigma_{B0300^\circ C [200^\circ C]}$	120 N/mm ²	130 N/mm ²

APPROVALS

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