

**SITTECH®**

## 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:** SD30  
**DIMENSION:** EN 1514-2 [EN12560-2]  
**MATERIAL:** Dependent on material

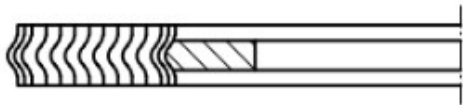
- Very high operating pressure and/or temperature
- Device and container flanges, pumps and valves
- Chemical and petro-chemical sector, power stations

### PRODUCT NAME

Spiral wound gasket  
graphite / PTFE filling  
with inner ring

### PROFILE

SD30



### 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 radial stability is increased by the inner ring. **The application is for male and female flanges**, often for problematic application scenarios, extreme conditions and in high pressure area.

Complies with TA Luft and VDI 2290<sup>1</sup>.

### OPERATIONAL DATA

	Grafit	PTFE
Pressure	Max. 320 bar	
Temperature	-200°C to 550°C <sup>3</sup>	-200°C to 250°C
Density [mDIN 2505]	1.4	1.2
$\sigma_{VU0.1}$	50 N/mm <sup>2</sup>	45 N/mm <sup>2</sup>
$\sigma_{VO}$	300 N/mm <sup>2</sup>	300 N/mm <sup>2</sup>
$\sigma_{BO300^\circ C [200^\circ C]}$	220 N/mm <sup>2</sup>	240 N/mm <sup>2</sup>

### APPROVALS

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

**Notes:** <sup>1</sup> complies with VDI 2290 only in combination with a leakage certificate as per EN 1591-1

<sup>3</sup> upward of 450°C please consult the manufacturer