

**TECHNICAL DATA SHEETS****CORRUGATED METAL GASKET**

CATEGORY: FLANGE SEAL
MANUFACTURER: IDT
PROFILE: WD10
DIMENSION: EN 1514-4 [EN12560-4]
MATERIAL: WS 1.4571 / 3803

- Very high operating pressures
- High gas/liquid tightness even at low surf. press.
- Very good elasticity and recovery behaviour

- Power stations, steam gener. and in device constr.
- Gaskets for pipeline, device and container flanges
- Flange surfaces to seal safely at low surf. press.

PRODUCT NAME

Corrugated metal gasket
with graphite layer

FEATURES

Consists of a corrugated stainless steel carrier [1.4671] with graphite foil layer. The corrugated ring leads to a high compression of the non-metallic material at the peaks, a low diffusion cross-section, an increase in blow-out resistance and an improvement in stability and handling. This sealing system already shows a great tightness at low surface pressures and has a great elasticity and compensating ability. It is used for flanges with raised face/male and female flanges, for larger diameters in device construction as well as for special flange connections.

Complies with TA Luft and VDI 2290¹. Features TRD 401 approval for steam boilers and pressure vessels.

PROFILE

WD10

**OPERATIONAL DATA**

	Grafit	PTFE
Pressure		Max. 160 bar
Temperature		-200°C to 550°C ³
Density [mDIN 2505]		
$\sigma_{VU0.1}$		
σ_{VO}		
$\sigma_{B0300^\circ C}$ [200°C]		

APPROVALS

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