



TECHNICAL DATA SHEETS



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

CORRUGATED METAL GASKET

CATEGORY: FLANGE SEAL
MANUFACTURER: IDT
PROFILE: WD24
DIMENSION: EN 1514-4 [EN12560-4]
MATERIAL: WS 1.4571 / 3803 IB

- 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 and inner eyelet
partially covered

PROFILE

WD24



FEATURES

Consists of a corrugated stainless steel carrier [1.4671] partially covered with a graphite foil layer and stainless steel inner eyelet. The sealing surface is reduced if only partially utilised and therefore results in an increase of the specific surface pressure. This design is to be preferred to the IDT profile WD20 for low bolt forces and for gaskets with larger widths. The inner eyelet promotes diffusion reduction.

Complies with TA Luft and VDI 2290¹.

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

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