

**TECHNICAL DATA SHEETS****CORRUGATED METAL GASKET****CATEGORY:** FLANGE SEAL**MANUFACTURER:** IDT**PROFILE:** WD20**DIMENSION:** EN 1514-4 [EN12560-4]**MATERIAL:** WS 1.4571 / 3803 IB

- 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 and inner eyelet

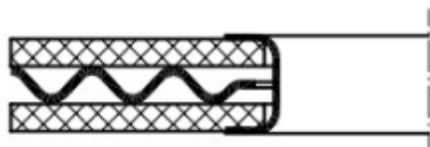
**FEATURES**

Consists of a corrugated stainless steel carrier [1.4671] with graphite foil layer and stainless steel inner eyelet. 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. The inner eyelet promotes diffusion reduction.

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

**PROFILE**

WD20

**OPERATIONAL DATA**

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