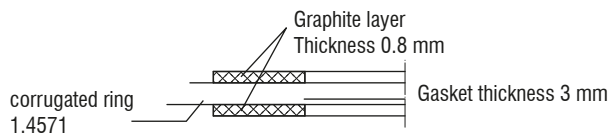


Corrugated metallic gasket with two-sided partial graphite layer (IDT Style: WD12)



The gasket comprises a corrugated metal core in stainless steel (1.4571) with a partial graphite foil layer on either side. The sealing system is based on our IDT style WD 10 and features excellent sealing properties. The partial covering reduces the sealing face and thus increases the specific surface contact pressure. This design should be given preference over the IDT style WD10 where bolting force is low and in seals with larger sealing widths.

Construction



Other thicknesses and other material combinations are available on request

Dimensions as per DIN EN 1514-4 and
DIN EN 12560-4

Other standard dimensions and special-purpose dimensions on request.



Operating limits

■ Operating pressure :	max. 160 bar
■ Operating temperature :	-200 °C to +550 °C ¹⁾

¹⁾ please consult the manufacturer regarding temperatures above 450°C

Gasket characteristics DIN 28090 (thickness 3 mm)

$\sigma_{VU 0,01}$:	22 N/mm ²
σ_{VO} :	200 N/mm ²
$\sigma_{BO 300^\circ C}$:	160 N/mm ²
$m_{DIN 2505}$:	1.1

Form of gasket available

- Circle
- Oval
- Rectangular frame

Approvals

- Blowout safety Hot Blowout Test as per ASTM draft HOB T1
- BAM approval for gaseous oxygen (200°C/130 bar) and liquid oxygen ²⁾
- BAM approval for ethylene oxide/propylene oxide
- Fire Safe Test as per API 607 / DIN ISO 10497
- TA-Luft 2002 (VDI 2440/2200) ³⁾

²⁾ BAM: Federal German Institute for Materials Research and Testing

³⁾ TA-Luft: German Technical Instructions on Air Quality Control