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Philippe Jans
The perfect fit for rubber solutions

Corrugated metallic gasket with two-sided graphite layer and inner eyelet (IDT Style: WD20)

The gasket comprises a corrugated metal core in stainless steel (1.4571) with a graphite foil layer on either side. The corrugated ring provides high compression on the soft material on the corrugated crests, low cross-sectional diffusion increased blowout safety as well as improved stability and handling.

This sealing system features high leak-tightness even at low surface contact pressure, high adaptability and resilience properties. The inner ring effects a further reduction ion diffusion and prevents the graphite layers from impacting the operating medium.

The gasket can be used in flat face, raised face and male and female face flanges, for equipment with larger dimensions and in special-purpose flanged connections.

Construction

Graphite layer
Thickness 0.8 mm
Corrugated ring 1.4571
Gasket thickness 3 mm
Inner eyelet 1.4571
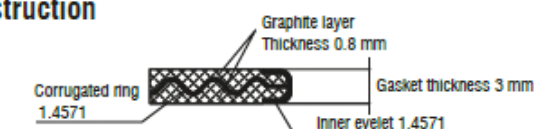
Other thicknesses and other material combinations are available on request

Dimensions as per   DIN EN 1514-4
                      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} :	230	N/mm^2
$\sigma_{BO\,300°C}$:	230	N/mm^2
$m_{DIN\,2505}$:	1.1	

Gasket characteristics as per EN 13555 please refer to Gasket Database FH Münster under www.gasketdata.org

Form of gasket available

- Circle
- Oval
- Rectangular frame

Approvals

- 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