

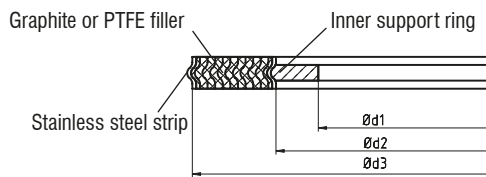
Spiral-wound gasket with graphite or PTFE filler and inner ring (IDT Style: SD30)



The spiral-wound gasket comprises a spiral-wound, beaded metal strip (Standard: 1.4541/ ASTM 321; other materials are also available). A soft filler (graphite or PTFE) is placed between the metal strip, jutting out on both sides of it. The inner ring provides increased radial stability.

The gasket can be used in male and female faced flanged in the petro-chemical industry as well as in critical applications as well as in high pressure environments.

Construction



Special-purpose dimensions and other material combinations are available on request



Operating limits

	Graphite	PTFE
■ Operating pressure :	max. 320 bar	max. 320 bar
■ Operating temperature :	-200 °C to +550 °C ¹⁾	-200 °C to +250 °C

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

Gasket characteristics DIN 28090

	Graphite	PTFE
σ_{VU} :	50 N/mm ²	45 N/mm ²
σ_{VO} :	300 N/mm ²	300 N/mm ²
$\sigma_{BO\ 200^\circ C}$:		240 N/mm ²
$\sigma_{BO\ 300^\circ C}$:	220 N/mm ²	
$m_{DIN\ 2505}$:	1.4	1.2

Approvals

- BAM approval for gaseous oxygen (200°C/130 bar) and liquid oxygen (Graphite) ²⁾
- BAM approval for ethylene oxide/propylene oxide (Graphite)
- FDA compliant (PTFE filler)
- 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

General information
 All information given in this Technical Information sheet represents our current level of knowledge and serves as information on our products and their respective scope. It is not meant to ensure any particular properties of any product or the suitability of any product for any specific application, neither does it create any liability on our part.
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