

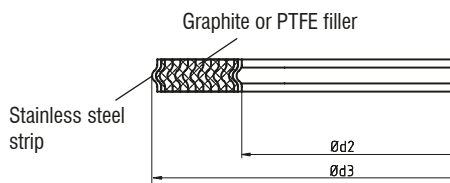
# Spiral-wound gasket with graphite or PTFE filler without inner and outer ring (IDT Style: SD01)



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 gasket can be used on tongue and groove systems (dimensions as per DIN 2691, EN 1514-1 Form TG and special-purpose dimensions). Spiral-wound gaskets are used mainly in high-pressure environments and in critical operating conditions.

## Construction



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



## Gasket thickness

3.2; 4.5; 6.4 and 7.2 mm

## Operating limits

	Graphite	PTFE
■ Operating pressure :	max. 160 bar	max. 160 bar
■ Operating temperature :	-200 °C to +550 °C <sup>1)</sup>	-200 °C to +250 °C

<sup>1)</sup> please consult the manufacturer regarding temperatures above 450°C

## Gasket characteristics DIN 28090

	Graphite	PTFE
$\sigma_{VU 0,1}$ :	50 N/mm <sup>2</sup>	45 N/mm <sup>2</sup>
$\sigma_{VO}$ :	150 N/mm <sup>2</sup>	150 N/mm <sup>2</sup>
$\sigma_{BO 200^\circ C}$ :		130 N/mm <sup>2</sup>
$\sigma_{BO 300^\circ C}$ :	120 N/mm <sup>2</sup>	
$m_{DIN 2505}$ :	1.4	1.2

## Approvals

- BAM approval for gaseous oxygen (200°C/130 bar) and liquid oxygen (graphite) <sup>2)</sup>
- BAM approval for ethylene oxide/propylene oxide (graphite)
- FDA compliant (PTFE)
- TA-Luft 2002 (VDI 2440/2200) <sup>3)</sup>

<sup>2)</sup> BAM: Federal German Institute for Materials Research and Testing

<sup>3)</sup> TA-Luft: German Technical Instructions on Air Quality Control

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