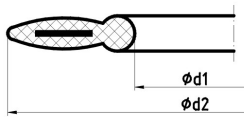


Rubber-steel gasket (G-ST-PS)

(IDT Style: GS10)

The convex-shaped basic body is additionally fitted with an O-ring to serve as a static sealing element. Surface faults and angle deviations in flanges can thus be more easily compensated. The rubber jacketing is firmly vulcanized to the steel insert to provide a stable connection which will withstand high stress loads. The steel insert also increase safe blow-out and stability of the sealing system. The gasket requires low bolting force/surface contact pressure and can be used in low-load design flanges with low bending strength (even plastic flanges).

Construction



Dimensions as per DIN EN 1514-1
DIN EN 12560-1

Other standard dimensions and special-purpose dimensions on request



Materials

NBR; EPDM; CSM; FPM; NR; CR; IIR (other materials on request)

Operating limits

■ Operating pressure :	max. 25 bar
■ Operating temperature :	
NBR	-25 °C to 70 °C
EPDM	-30 °C to 120 °C
FPM	-20 °C to 200 °C

Gasket characteristics DIN 28090

σ_{VU} / NBR; EPDM; FPM; NR :	2 N/mm ²
$\sigma_{VO 20^\circ C}$ / NBR; EPDM; NR :	15 N/mm ²
$\sigma_{VO 20^\circ C}$ / FPM :	9 N/mm ²
$\sigma_{BO 150^\circ C}$ / FPM :	5 N/mm ²

Approvals

- DVGW (NBR) ¹⁾
- FDA (EPDM/NBR)
- KTW (NBR/EPDM) ²⁾
- TA-Luft 2002 (VDI 2440/2200) (NBR/EPDM/FPM/CSM/CR/IIR) ³⁾

¹⁾ DVGW: German Technical and Scientific Association for Gas and Water

²⁾ KTW: Federal German Ministry of Health recommendations for maximum levels of plastics in drinking water

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