

RUBBER-STEEL GASKET (FPM)

0285GS01

The gasket consists of a lens-shaped rubber body and an interior steel ring. The rubber jacketing is vulcanised firmly to the steel insert which creates a sturdy compound which can withstand even high stresses. The steel insert increases the blow-out resistance and stability of the sealing system. The lens shape causes a partial increase in surface pressure.



Operating data

Temperatur [min]	-20 °C
Temperatur [max]	200 °C
Pressure [max]	25 bar

Gasket characteristics DIN 2505 V

k1 [mm]	$1 \times b_d$
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Gasket characteristics DIN 28090

σ_{V0} [N/mm ²]	9
$\sigma_{VU 0,1}$ [N/mm ²]	2
m [DIN 28090]	1
$\sigma_{B0 150 °C}$ [N/mm ²]	5

Gasket characteristics ASME

m [ASME]	2
Y [PSI]	300

Flange shapes

PTFE-lined steel flange

Notes

Proof of the required leakage rate according to TA Luft 2021 [VDI 2290] can be provided by a calculation according to DIN EN 1591-1.