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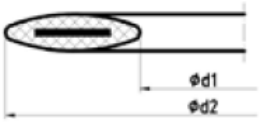
Rubber-steel gasket (G-ST)

The gasket comprises a rubber convex-shaped body with an inner steel ring at the centre. 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 crowned form generates partial increase in the surface contact pressure. 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 (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
CSM	-20 °C to 120 °C
FPM	-20 °C to 200 °C

Gasket characteristics DIN 28090

$\sigma_{VU\ /\ NBR;\ EPDM;\ FPM;\ NR}$:	2 N/mm²
$\sigma_{VO\ 20°C\ /\ NBR;\ EPDM;\ NR}$:	15 N/mm²
$\sigma_{VO\ 20°C\ /\ FPM}$:	9 N/mm²
$\sigma_{BO\ 150°C\ /\ FPM}$:	5 N/mm²