



TECHNICAL DATA SHEETS

RUBBER-STEEL GASKET



CATEGORY:	FLANGE SEAL
MANUFACTURER:	IDT
PROFILE:	GS10
DIMENSION:	EN 1514-1 [EN12560-1]
MATERIAL:	Material dependent

- Very good elasticity and good recovery behaviour
- High gas/liquid tightness even at low surf. press.
- Very good compensation for surface defects

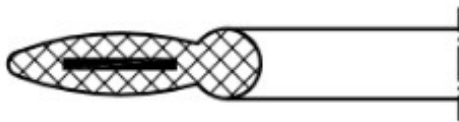
- Gaskets for pipeline, device and container flanges
- Gas/water pipeline construction
- Connections sensitive to stress [e.g. glass flanges]

PRODUCT NAME

Rubber-Steel gasket
[G-ST-P/S]

PROFILE

GS10



FEATURES

The lens-shaped base body is also equipped with an O-ring as static sealing element. Surface defects and angle deviations in the flange are compensated more easily. 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.

Complies with TA Luft and VDI 22901¹. The product also includes W270 certification².

OPERATIONAL DATA

Pressure	Max. 25 bar
Temperature	NBR: -25°C to 70°C EPDM: -30°C to 120°C NR: -30°C to 60°C FPM: -20°C to 200°C
$\sigma_{VU0.1}$	2 N/mm ²
σ_{VO}	15 N/mm ²
$\sigma_{B0300^\circ C [200^\circ C]}$	5 N/mm ²

APPROVALS

TA Luft 2002 [VDI 2440/2200]	X
BAM oxygen	
BAM ethylene/propylene	
DVGW [DIN 3535-6]	X
KTW-guideline	X
Fire Safe Test	
FDA	X
EG 1935/2004	
Blow-out resistance	
Germanischer Lloyd	

Notes: ¹ complies with VDI 2290 only in combination with a leakage certificate as per EN 1591-1

³ product components have been tested for contact with drinking water