

GROOVED GASKET WITH INTEGRAL CENTERING RING, PRE-DETERMINED BREAKING POINT AND BOTH-SIDED GRAPHITE LAYERS

6711KD20

The grooved stainless steel core [1.4571, pitch 1,0 mm] is covered on both sides with soft material layers made from expanded pure graphite. The integral centering ring [machined] is additionally provided with a pre-determined breaking point, which prevents vibration breaks in the sealing area.



Grooved gaskets require low minimum sealing surface pressure, but can also resist very high loads.

Grooved gaskets impress by a high pressure application limit, low leakage rate and are therefore suitable for extreme operation conditions. To ensure safety in oxygen applications, we also offer an adhesive-free LE-Safe version of this gasket.

Other core materials available on request.

Operating data

Temperatur	450 °C
Temperatur [min]	-269 °C
Temperatur [max]	550 °C
Pressure [max]	400 bar

Gasket characteristics EN 13555

Gasket Parameters 5 mm [Amtec]

https://idt-gaskets.com/download/dichtungskennwerte/28C8_306

Gasket characteristics DIN 2505 V

$K_0 \times K_d$ [N/mm]	$15 \times b_d$
k_1 [mm]	$1,1 \times b_d$

This datasheet on the internet: <https://idt-gaskets.com/products/gaskets/61f7e497e721616b9>

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Gasket characteristics DIN 28090

σ_{VD} [N/mm ²]	500
$\sigma_{VU 0,1}$ [N/mm ²]	15
m [DIN 28090]	1.1
$\sigma_{B0 300\text{ °C}}$ [N/mm ²]	500

Gasket characteristics ASME

m [ASME]	2.5
Y [PSI]	2200

Approvals and test reports

TA Luft 2002 [VDI 24A0/2200]
DIN 30691 [lightning current carrying capacity]
DIN EN13555 [TA Luft 2021]
Fire Safe Test
Blow-out resistance
Gas [DIN 3535-6]

Flange shapes

Self-centering, Raised Face [form IBC]
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