GROOVED GASKET WITHOUT CENTERING RING WITH BOTH-SIDED GRAPHITE LAYERS

6711KD01

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. 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.

Grooved gaskets can be manufactured in small thicknesses so that they can be used also in tongue and groove connections in the range of common groove depths. To ensure safety in oxygen applications, we also offer an adhesive-free LE-Safe version of this gasket.

Other core materials are 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]	$15 \times b_d$
k1 [mm]	$1{,}1 \times b_d$

Gasket characteristics DIN 28090

$б_{V0}$ [N/mm²]	500
$б_{VU}$ 0,1 [N/mm²]	15
m (DIN 28090)	1.1
$б_{B0}$ 300 °C [N/mm²]	500

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Further sealing systems and technical information can be found **idt-gaskets.com**

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Gasket characteristics ASME

m [ASME]	2.25
Y [PSI]	2200

Approvals and test reports

TA Luft 2002 (VDI 24A0/2200)

DIN 30691 (lightning current carrying capacity)

DIN EN13555 (TA Luft 2021)

Blow-out resistance

Gas (DIN 3535-6)

WRAS

Flange shapes

Tongue and Groove (form TG)

Male-Female (form SR)

Apparatus, customized

With partition bars

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