

GROOVED GASKET [CONVEX-SHAPED PROFILE] WITHOUT CENTERING RING WITH BOTH-SIDED GRAPHITE LAYERS

6711KD06

The convex-shaped 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.

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_282

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

σ_{V0} [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

This datasheet on the internet: <https://idt-gaskets.com/products/gaskets/649961058d8e50a6e>

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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 EN13555 [TA Luft 2021]

Gas [DIN 3535-6]

WRAS

Flange shapes

Tongue and Groove [form TG]

Male-Female [form SR]

Apparatus, customized

With partition bars