GROOVED GASKET [CONVEX-SHAPED PROFILE] WITH INTEGRAL CENTERING RING, PRE-DETERMINED BREAKING POINT AND BOTH-SIDED GRAPHITE LAYERS

6711KD24

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. 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.

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]	$1,1 \times b_d$

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

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Gasket characteristics DIN 28090

σ_{VO} [N/mm²]	500
σ_{VU} 0,1 [N/mm²]	15
m [DIN 28090]	1.1
σ_{BO} 300 °C [N/mm²]	500

Gasket characteristics ASME

m [ASME]	2.5
Y [PSI]	2200

Approvals and test reports

DIN EN13555 (TA Luft 2021)

Blow-out resistance

Gas (DIN 3535-6)

WRAS

Flange shapes

Self-centering, Raised Face (form IBC)

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