

# GROOVED GASKET WITH LOOSE CENTERING RING [NON-INTEGRAL] AND BOTH-SIDED GRAPHITE LAYERS

6711KD30

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 and provided with a loose centering ring [non-integral, half-shells, spot-welded], 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](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]	$1,1 \times b_d$

This datasheet on the internet: <https://idt-gaskets.com/products/gaskets/61f7e49d96d17dd74>

General information: All information given in this Technical Information sheet represents our current level of knowledge and serves as information on our products and their respective scopes. It is not meant to ensure any particular properties of any product or the suitability of any product for any specific application, neither does it create any liability on our part. © Copyright by IDT

## Gasket characteristics DIN 28090

$\sigma_{V0}$ [N/mm <sup>2</sup> ]	500
$\sigma_{VU 0,1}$ [N/mm <sup>2</sup> ]	15
m [DIN 28090]	1.1
$\sigma_{B0 300\text{ °C}}$ [N/mm <sup>2</sup> ]	500

## Gasket characteristics ASME

m [ASME]	3
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]

WRAS

## Flange shapes

Self-centering, Raised Face [form IBC]