

# SPIRAL WOUND GASKET WITHOUT INNER AND OUTER RING, MATERIAL. 1.4541/GRAPHITE

6411SD01

The Spiral Wound Gasket consists of a spirally wound, beaded metal strip made from stainless steel 1.4541. A graphite soft material strip [purity 98%C] protruding on both sides is inserted between the individual windings.



This gasket type has no inner and outer support ring. They can be produced in several gasket thicknesses in order to be used also in tongue and groove connections in the range of common groove depths.

Spiral Wound Gaskets are particularly suitable for applications with high operating pressures and critical operating conditions [e.g. alternating loads].

Material combinations other than shown here are available on request.

## Operating data

Temperatur	450 °C
Temperatur [min]	-269 °C
Temperatur [max]	550 °C
Pressure [max]	160 bar

## Gasket characteristics EN 13555

Gasket Characteristics [Amtec]

[https://idt-gaskets.com/download/dichtungskennwerte/28C8\\_305](https://idt-gaskets.com/download/dichtungskennwerte/28C8_305)

## Gasket characteristics DIN 2505 V

$K_0 \times K_d$ [N/mm]	$50 \times b_d$
k1 [mm]	$1,4 \times b_d$

This datasheet on the internet: <https://idt-gaskets.com/products/gaskets/61f7e49a7455f8bb5>

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## Gasket characteristics DIN 28090

$\sigma_{V0}$ [N/mm <sup>2</sup> ]	150
$\sigma_{VU 0,1}$ [N/mm <sup>2</sup> ]	50
m [DIN 28090]	1.4
$\sigma_{B0 300\text{ °C}}$ [N/mm <sup>2</sup> ]	120

## Gasket characteristics ASME

m [ASME]	3
Y [PSI]	7300

## Approvals and test reports

TA Luft 2002 [VDI 24A0/2200]

DIN EN13555 [TA Luft 2021]

BAM oxygen

BAM oxygen [liquid]

Gas [DIN 3535-6]

WRAS

Drinking water certificate HY

## Flange shapes

Tongue and Groove [form TG]

Apparatus, customized

With partition bars