

SPIRAL WOUND GASKET WITH OUTER RING, MATERIAL: 1.4541/GRAPHITE

6416SD20

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.

The outer support ring [material: carbon steel, corrosion protected] stabilizes the spiral on the outer diameter and also ensures the centering between the flange bolts.

Spiral Wound Gaskets are particularly suitable for applications with high operating pressures and critical operating conditions.

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]	320 bar

Gasket characteristics DIN 2505 V

$K_0 \times K_d$ [N/mm]	$50 \times b_d$
k_1 [mm]	$1,4 \times b_d$

Gasket characteristics DIN 28090

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

Gasket characteristics ASME

m [ASME]	3
Y [PSI]	7300

This datasheet on the internet: <https://idt-gaskets.com/products/gaskets/61f7e49b310dd0bd2>

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Approvals and test reports

BAM oxygen

BAM oxygen (liquid)

WRAS

Drinking water certificate HY

Flange shapes

Self-centering, Raised Face (form IBC)

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