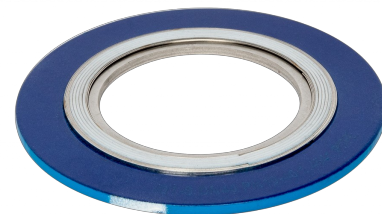


# SPIRAL WOUND GASKET WITH INNER AND OUTER RING, MATERIAL: 1.4404/PTFE/CARBON STEEL 6045SD10

The Spiral Wound Gasket consists of a spirally wound, beaded metal strip made from stainless steel 1.4404. A PTFE soft material strip [unsintered] protruding on both sides is inserted between the individual windings. The inner and outer support ring [inner ring: 1.4404, outer ring: carbon steel, corrosion protected] stabilize the spiral, while the outer ring also ensures the centering between the flange bolts. 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 [min]	-269 °C
Temperatur [max]	260 °C
Pressure [max]	320 bar

## Gasket characteristics DIN 2505 V

$K_0 \times K_d$ [N/mm]	$45 \times b_d$
$k_1$ [mm]	$1,2 \times b_d$

## Gasket characteristics DIN 28090

$\sigma_{V0}$ [N/mm <sup>2</sup> ]	300
$\sigma_{VU 0,1}$ [N/mm <sup>2</sup> ]	45
$m$ [DIN 28090]	1.2
$\sigma_{B0 200 °C}$ [N/mm <sup>2</sup> ]	240

## Gasket characteristics ASME

$m$ [ASME]	3
$Y$ [PSI]	6600

## Approvals and test reports

TA Luft 2002 [VDI 24A0/2200]
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This datasheet on the internet: <https://idt-gaskets.com/products/gaskets/649d1957a3c12582c>

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Further sealing systems and technical information can be found [idt-gaskets.com](https://www.idt-gaskets.com)

Last Changed 2023-10-23

## Flange shapes

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Self-centering, Raised Face [form IBC]

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