Product information

REV2013345

Double-jacketed gaskets

Description

TEADIT double-jacketed gaskets are particularly suited for applications like heat-exchangers and boilers. The gasket is constructed of a soft, heat resistant, non-asbestos filler material, which is completely enclosed in a two-piece metal jacket. When pass partition bars are required, we offer a welded pass bar construction. With a welded pass bar arrangement the fluid is retained by the primary seal at the inner diameter of the gasket. Thus the primary seal maintains its function, providing a seal of higher integrity.

Material standard

- Metal jacket: carbon steel, soft iron, 304 (1.4301), 316L (1.4404)
- Filler material: graphite

Many standard bar configurations are available, special configurations on request.

Advantages

- the metal jacket covering the filler material prevents contamination
- ensures high elasticity and recovery
- nearly any dimension and shape can be made
- the welded construction of the bars results in two independent seals: the primary seal at the inner diameter and the secondary seal at the outer diameter.

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Product information

REV2013345

Kammprofile gaskets

Application areas

- TEADIT Kammprofile gaskets are used by the chemical and petrochemical industry, as well as in power stations and refineries, on both standard pipe-work and specialist applications, e.g. shell and tube heat exchangers, etc.

- TEADIT Kammprofile gaskets offer outstanding flexibility and recovery, assuring seal integrity under pressure and temperature fluctuations, flange rotation, bolt stress relaxation and creep.

- Depending on kind of metal used, TEADIT Kammprofile gaskets can be used for all media from pH 0 to 14.

Material properties

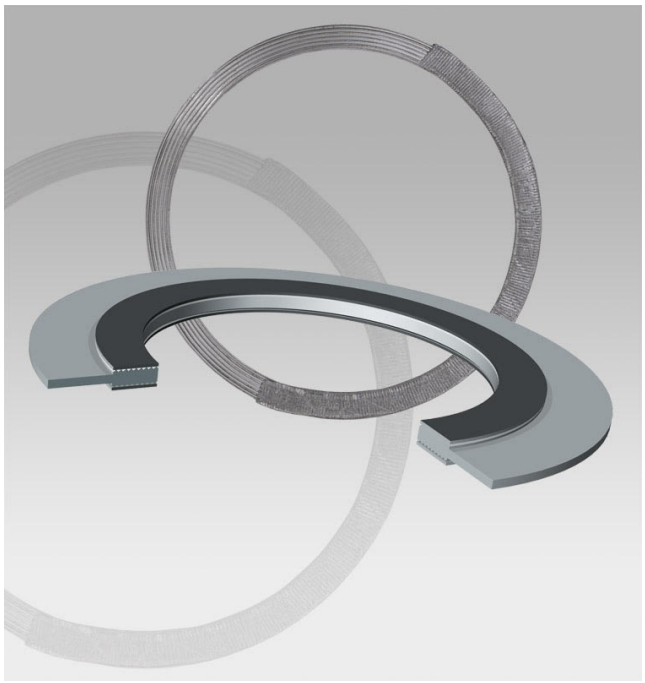
Kammprofile gaskets are constructed from a precision serrated metallic core with soft gasket materials – either flexible graphite or expanded PTFE -bonded to either side.

Materials for metallic core

1.4541, 1.4571, 304, 316L, 321
(Other materials on request)

Materials for sealing face

- ePTFE: 260°C
- Graphite:450°C**up to 650 °C (1,200 °F) with steam



Different styles

- without outer location ring
- with integral outer location ring (with preset breaking point)
- with loose fitting outer location ring
- flat shape
- curved shape

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Product information

REV2013345

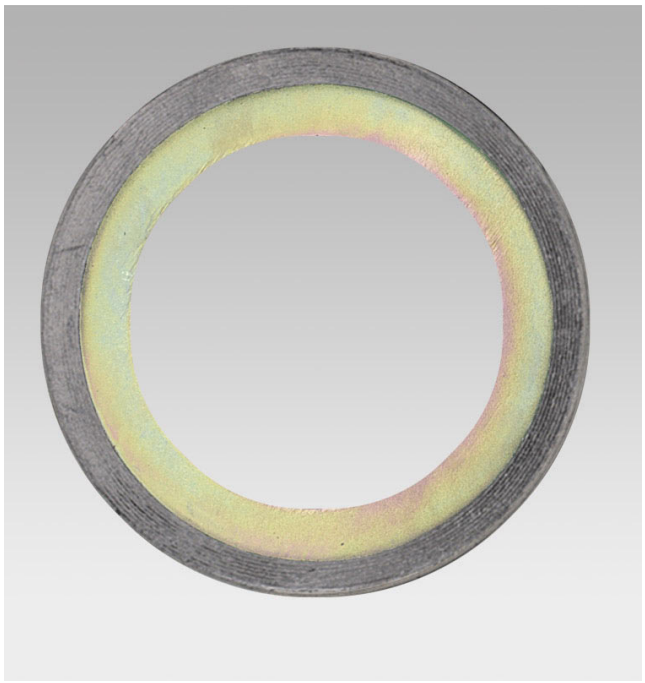
Spiral - wound gaskets STYLE 911 M

Description

- For applications with high temperature variations (thermal cycling),and/or pressure variations, and/or flange rotation problems etc., gaskets with adequate residual stress (stress retention),flexibility and recovery are needed. TEADIT spiral-wound gaskets have been designed to meet these demanding requirements.

- Spiral-wound gaskets are made of a preformed metallic strip and a soft filler material (PTFE or graphite), wound together under pressure. The metal strip holds the filler, resulting in excellent mechanical resistance, resilience and recovery.

- The **style 911 M** gasket is a sealing winding with an inner-ring. The purpose of this ring is to fill out the space between the flanges, avoiding turbulence in the flow of the fluid or as protection against corrosion or erosion. It is also used as a compression limit when the seating stress is greater than 30000 psi (210 Mpa). Gaskets with PTFE filler have a tendency to inward buckle thus the use of an inner-ring is recommended if the gasket is to be installed with a non-confined inside diameter.



Material properties

Filler material:	**max. temperature °C (°F)**
PTFE	260 (500 °F)
Grafit	450 (842 °F)*

*up to 650 °C (1,200 °F) with steam and under inert conditions

Materials for metal strip and inner ring:

1.4541, 1.4571, 1.4404, 304, 316L, 321

Additional materials on request

Adaptable production

Our production offers extensive possibilities:
- special sizes
- production according to customer's specifications
- production of single gaskets
- gaskets made of special materials, etc.

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Product information

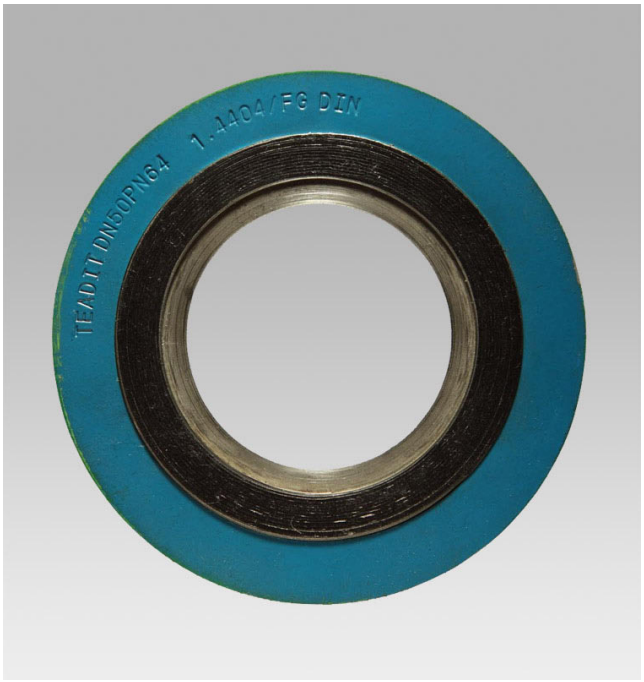
REV2013345

Spiral-wound gaskets

Description

For applications with high temperature variations (thermal cycling),and/or pressure variations, and/or flange rotation problems etc., gaskets with adequate residual stress (stress retention),flexibility and recovery are needed. **TEADIT** spiral-wound gaskets have been designed to meet these demanding requirements.

Spiral-wound gaskets are made of a preformed metallic strip and a soft filler material (PTFE or graphite), wound together under pressure, and optionally with an inner and/or outer guide ring. The metal strip holds the filler, resulting in excellent mechanical resistance, resilience and recovery.



Material properties

Filler material	max. temperature °C (°F)
PTFE	260 (500 °F)
Graphite	450 (842 °F)*

*up to 650 °C (1,200 °F) with steam and under inert conditions

Materials for metal strip
1.4541, 1.4571, 1.4404, 304, 316L, 321

Materials for inner ring
1.4541, 1.4571, 1.4404, 304, 316L, 321

Materials for outer ring
carbon steel with corrosion protection (painted)

Additional materials on request.

Please note: the colour of the actual product might vary from the above image on this data-sheet.

Adaptable production

Our production offers extensive possibilities:

- special sizes
- production according to customer's specifications
- production of single gaskets
- gaskets made of special materials, etc.

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