

The high temperature material, now in a spiralwound gasket.

Here is the English translation of the technical text from the image, formatted for clarity and readability:
 The **RAITHERM® RSi** style is a spiral wound gasket composed of a 316L stainless steel winding (other alloys available upon request) and a high-temperature, oxidation-resistant mineral sealing material. Additionally, it incorporates a 316L stainless steel outer centering ring.

This outer ring facilitates gasket centering, provides additional radial strength, helps prevent misalignment, and serves as a reference point to determine proper compression during stud installation. Likewise, the **RSi** style features an inner reinforcement ring designed to prevent gasket deformation, a phenomenon known as *buckling*.

The gasket features a nominal thickness of **0.175"**, achieving an optimal compression of **0.130"**.

RAITHERM® RSi gaskets are manufactured under the **UNI-BODY** concept, ensuring that all metallic parts are constructed from the same material.

Ideal for: Raised face flanges, flat face flanges, or circular flange joints.

Technical data:

Properties:	Value
Temperature, Maximum:	1,000°C*
Temperature, Minimum:	-25°C
Pressure, Maximum:	434 bar
Flange types:	Raised face (RF) Full face (FF)
Flange Surface finish, (Ra):	3.2-6.3µ (125-250 µ")

* Must select a alloy that support this temperature.

How to order:

- Sealing material:** raitherm®
- Gasket type:** raitherm® RSi
- Inner ring material:** 304 / 316L / MON*
- Winding material:** 304 / 316L / MON*
- Outer ring material:** 304 / 316L / MON*
- Diameter:** 1/2" up to 60", A or B Series.
- Class:** 150#, 300#, 400#, 600#, 900#, 1500#, 2500#

**other alloys under request.



Gasket Profile:



Other available alloys:

Alloy	Temperature range		Short name
304ss	-195°C	+760°C	304
316L	-195°C	+760°C	316L
317L	-195°C	+760°C	317L
321	-195°C	+760°C	321
347	-195°C	+925°C	347
Carbon Steel	-40°C	+540°C	CS
Alloy 20	-185°C	+760°C	A20
Hastelloy® B2	-185°C	+1,090°C	HASTB
Hastelloy® C276	-185°C	+1,090°C	HASTC
Incoloy® 800	-100°C	+870°C	IN800
Incoloy® 825	-100°C	+870°C	IN825
Inconel® 600	-100°C	+1,090°C	INC600
Inconel® 625	-100°C	+1,090°C	INC625
Inconel® X750	-100°C	+1,090°C	INX
Monel® 400	-130°C	+820°C	MON
Nickel 200	-195°C	+760°C	NI
Titanio	-195°C	+1,090°C	TI



Never re-use gaskets for your own safety.

Important Notes:

Spiral wound gaskets are delicate materials, especially in larger diameters.
Never carry the gaskets by the inner rings or the spiral.

Recommendations:

- 1-. Never reuse any type of sealing gaskets; this is for your safety.
- 2-. You must only use standard-compliant gaskets and never use non-standard gaskets.
- 3-. Large dimension spiral wound gaskets are prone to unraveling due to the flexibility of the metal at such diameters.
- 4-. Spiral wound gaskets must have perfectly flat rings for proper operation.
- 5-. Ensure that the spiral wound gaskets to be used comply with the thicknesses of the applicable standard or specification.
- 6-. For proper operation, the flange surfaces must be in perfect condition, complying with a concentric surface finish between 3.2-6.3µ. Likewise, the flanges must be perfectly aligned and parallel.

Storage:

- 1-. Store the gaskets in a dry place at room temperature.
- 2-. If the gaskets are exposed to greases, oils, or solvents, clean them before use.
- 3-. Protect the sealing faces to prevent damage.
- 4-. Store the gaskets horizontally to avoid tension in spiral wound gaskets.