

The high temperature material, now in a spiralwound gasket.

The **RAITHERM® RS** style is a spiral wound gasket composed of a stainless steel winding of the customer's choice and a high-temperature, oxidation-resistant mineral sealing material. Additionally, it incorporates a 316L stainless steel outer centering ring.

The outer ring facilitates gasket centering, provides additional radial strength, helping to prevent misalignments, and serves as a reference point to determine proper compression during stud installation.

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

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

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

**Technical data:**

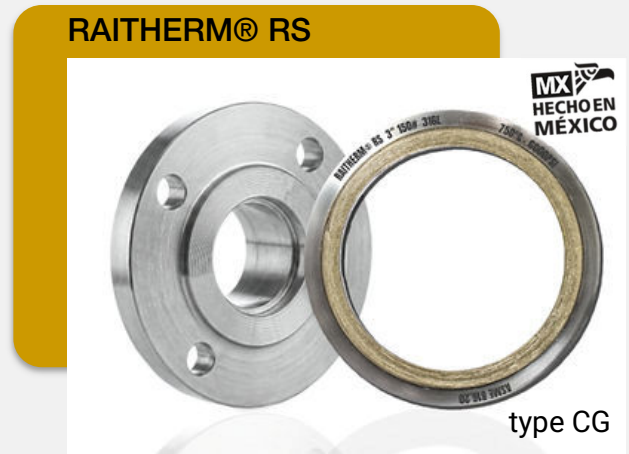
Properties:	Value
Temperature, Maximum:	1,000°C*
Temperature, Minimum:	-25°C
Pressure, Maximum:	434 bar
Flange types:	Raised face (RF) Full face (FF)
Flange Surface finish, (Ra):	3.2-6.3µ (125-250 µ")

\* Must select a alloy that support this temperature.

**How to order:**

**Sealing material:** raitherm®  
**Gasket type:** raitherm® RS  
**Inner ring material:** -----  
**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.



type CG

**Gasket profile:**



**Other available alloys:**

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