

**Expanded graphite spiralwound gasket with outer and inner alloy rings.**

The **RAIFLEX® RLX RSi** style is a spiral wound gasket composed of a stainless steel winding (at the customer's choice) and a 98% commercial-grade expanded graphite sealing material, suitable for most industrial applications. Additionally, it incorporates a carbon steel outer centering ring.

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

Likewise, the **RSi** style features an inner reinforcing ring made of the same material as the winding, designed to prevent gasket buckling.

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

The **RAIFLEX® RLX RSi** style is available in 304L and 316L stainless steels, and in classes 150#, 300#, and 600# up to 24" in diameter.

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

**Technical data:**

Properties:	Value
Temperature, Maximum:	+650°C (steam), +450°C
Temperature, Minimum:	-195°C
Pressure, Maximum:	434 bar
Flange types:	Raised face (RF) Full face (FF)
Flange Surface finish, (Ra):	3.2-6.3µ (125-250 µ")

**How to order:**

**Sealing material:** Graphite  
**Gasket type:** raiflex® RLX RSi  
**Inner ring material:** 304L / 316L  
**Winding material:** 304L / 316L  
**Outer ring material:** Carbon steel.  
**Diameter:** 1/2" up to 24"  
**Class:** 150#, 300#, 600#



type CGI

**Gasket profile:**



**Torque table:**

For **RAIFLEX® RLX RSi** spiralwound gaskets.

NPS (in.)	Class 150		Class 300	
	Min Torque	Max Torque	Min Torque	Max Torque
0.5	30	50	30	40
0.75	30	50	60	80
1	30	60	60	80
1.25	30	60	60	80
1.5	30	60	100	140
2	60	120	60	80
2.5	60	120	100	140
3	90	120	100	150
3.5	60	120	100	170
4	70	120	100	200
5	100	200	110	200
6	130	200	110	200
8	180	200	180	320
10	170	320	250	460
12	240	320	360	700
14	300	490	360	610
16	310	490	500	920
18	490	710	500	1000
20	430	710	500	1000
24	620	1000	800	1600

\*\*los valores mostrados son en ft/lbs. y son válidos únicamente para espárragos lubricados ASTM A193 Gr. B7 con tuercas 2H.



**Nunca reutilice ningún tipo de junta, evite accidentes.**

## 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 3.2-6.3 $\mu$ . 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.