

Expanded graphite spiralwound gasket with outer guiding ring.

The **RAIFLEX® RLX RS** 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.

The **RAIFLEX® RLX RS** style features a painted outer centering ring to prevent environmental corrosion. 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.

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

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.

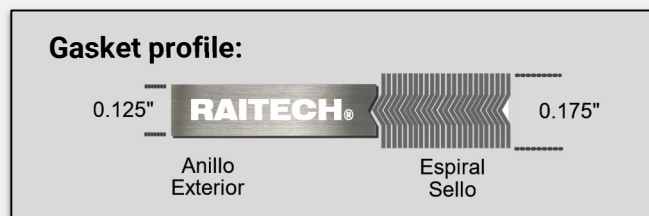
**Technical data:**

Properties:	Value
Temperature, Maximum:	+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 RS  
**Inner ring material:** -----  
**Winding material:** 304 / 316L\*  
**Outer ring material:** Carbon steel.  
**Diameter:** 1/2" up to 24"  
**Class:** 150#, 300#, 600#

\*\*other alloys under request.



**Torque table:**

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

NPSs	Class 150		Class 300	
	Min Torque (ft/lbs.)	Max Torque (ft/lbs.)	Min Torque (ft/lbs.)	Max Torque (ft/lbs.)
1/2	30	40	30	40
3/4	30	40	60	70
1	30	40	60	70
1-1/4	30	40	60	70
1-1/2	30	60	100	120
2	60	90	60	70
2-1/2	60	110	100	120
3	90	120	100	120
3-1/2	60	90	100	120
4	70	120	100	140
5	100	160	110	160
6	130	200	110	160
8	180	200	180	260
10	170	320	250	290
12	240	320	360	420
14	300	490	360	420
16	310	490	500	590
18	500	710	500	680
20	430	710	500	740
24	620	1000	800	1030

The values shown are in ft-lbs. and are valid only for lubricated ASTM A193 Gr. B7 studs with 2H nuts.



**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.