RING TYPE JOINT PLANISTEEL RTJ

Composition

Available Ring Type Joint styles:

- R, RX and BX in accordance with ASME B16.20 - API 6A
- SRX and SBX in accordance with API 6D for Subsea applications
- IX L-005 in accordance with Norsok L-001
- Lens Gasket in accordance with DIN 2696
- Custom RTJ

Characteristics

Planisteel RJ Ring Joint gaskets are manufactured in compliance with API 6A and ASME B16.20 standards for high-temperature and high-pressure applications. The contact surfaces between the gasket and the flange must be carefully machined to ensure maximum gasket performance. Thanks to our modern equipment and meticulous production process, we are able to guarantee surface hardness and tolerances in accordance with specifications.
Ring Type Joint (RTJ) gaskets are metallic seals originally designed for the high-pressure and high-temperature conditions typical of the oil industry. They are mainly used in the Oil & Gas sector but are also commonly employed in valves, pipeline flanges, and pressure equipment in other services, as they are suitable for applications covering the entire pressure and temperature range of industrial services.

Performance Specifications	**UM**	**Value**
Minimum temperature	°C	-200 see note
Maximum Temperature	°C	550 see note
Maximum Pressure	bar	according to the gasket rating
Min. Gasket Seating Stress - Sgmin-$S_{L=0.001}$	MPa	180 see note
Min. Gasket Operating Stress - Sgmin-O	MPa	100 see note
Max Gasket Operating Stress - Sgmax	MPa	400 see note

Applications

Ring Type Joint gaskets for RTJ flanges.



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Planisteel RTJ Ring Type Joint gaskets are available in all materials, from high-carbon grades to steels and all alloys. Carrara maintains a large stock for immediate availability – RTJ Stock List.

The information provided in this publication, as well as that supplied to users in other forms, is based on our experience and communicated according to the best knowledge available. However, since numerous factors beyond our knowledge and control may influence the use of the products, no warranty, explicit or implicit, is given regarding such content. The operating limits indicated do not constitute confirmation that these values can be applied simultaneously. Avoid using the product at the maximum temperature and pressure limits. The maximum temperature is sustainable only for short periods under specific conditions. Specifications may be changed without notice. The images in the DS may not exactly represent the product, its color and/or marking.

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