



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.



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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](#).

Performance Specifications

| | UM | Value |
|---|-----|--------------------------------|
| Minimum temperature | °C | -200 <small>see note</small> |
| Maximum Temperature | °C | 550 <small>see note</small> |
| Maximum Pressure | bar | according to the gasket rating |
| Min. Gasket Seating Stress - $S_{gmin-S_{L=0.001}}$ | MPa | 180 <small>see note</small> |
| Min. Gasket Operating Stress - S_{gmin-O} | MPa | 100 <small>see note</small> |
| Max Gasket Operating Stress - S_{gmax} | MPa | 400 <small>see note</small> |

Applications

Ring Type Joint gaskets for RTJ flanges.



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