Flexitallic

PRODUCT DATASHEET

RING TYPE JOINT

Ring type joints are precision machined solid metal gaskets manufactured to ASME, API or to bespoke specification.

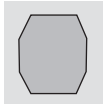
Service:

Although used in some low pressure systems ring type joints are capable of sealing extreme pressures. Ring type geometry gives rise to the generation of high stresses and plastic deformation of the sealing surfaces upon the application of a compressive load.

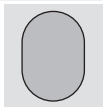
Ring type joints are designed to be used in conjunction with mating grooved flanges and care should be taken to match the correct gasket with its corresponding flange groove.

RTJ Styles:

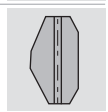
Style R
Octagonal Section - For use with ASME and API flanges with flat bottomed groove.



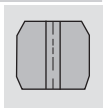
Style R
Oval Section - For use with ASME and API flanges with a flat bottomed or oval groove.



Style RX
Asymmetric Octagonal Section - For use in ASME and API flat bottomed grooves.



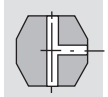
Style BX
Square Octagonal Section - For use in API BX flanges.



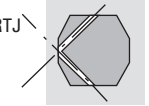
Drilling:

Pressure balance and pressure lock prevention holes in accordance with API. Gaskets for sub-sea applications are designated with the prefix 'S', 'SBX' and 'SRX'.

API SBX RTJ OPTION A



API SBX RTJ OPTION B



Materials:

Ring type joint material should be selected to match application conditions; the media being sealed and the flange material. Consideration should be given to the relative hardness of the ring type joint compared to the flange groove. NACE compliant materials are available for use in sour service environments. Full material traceability is available on all ring type joints.

Maximum recommended temperature: Dependent on flange class/rating and materials.

For bespoke designs please consult Flexitallic Applications Engineering Department.

Do NOT use gaskets pastes.

RTJ's are NOT to be re-used.

Typical Physical Properties:

Hardness depends on RTJ material as per ASME/API specification. Specific hardness upon request.