Flexitallic®

WILLIAM JOHNSTON & COMPANY LIMITED

PRODUCT DATASHEET

RING TYPE JOINT

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

This Data Sheet refers to the material as supplied. The information contained herein is given in good faith, but no liability will be accepted by the Company in relation to same.

We reserve the right to change the details given on this Data Sheet as additional information is acquired. Customers requiring the latest version of this Data Sheet should contact our Applications Engineering Department.

The information given and, in particular, any parameters, should be used for guidance purposes only. The Company does not give any warranty that the product will be suitable for the use intended by the customer.

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Disclaimer
Please note, failure to select the correct materials or products we supply ("the Products") may result in damage to plant, equipment or property. In some instances, it may cause death or personal injury. We are not designers and do not give advice about design related matters concerning the Products. We can help and assist with the technical specifications for the Products. In specific applications, particularly where critical conditions exist, we will try to assist you within the limitations of the services that we offer. All information supplied by us is intended as technical co-operation outlining the specifications of the different Products which we supply. To the extent permitted in law, no warranty is given in respect of any information supplied by us. The customer must satisfy themselves as to the suitability of the Products for their intended application and use. The correct fitting of Products is the responsibility of the customer. Your statutory rights remain unaffected. Save in respect of death, personal injury or fraud, our entire liability to you, however arising from the supply of Products shall be limited to the £10M indemnity amount provided by our insurers.

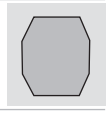
Service:

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.

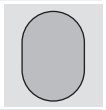
Ring type joints are designed to be used in conjunction with mating grooved flanges and care should be taken to match the correct gasket with its corresponding flange groove.

RTJ Styles:

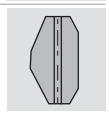
Style R
Octagonal Section - For use with ASME and API flanges with flat bottomed groove.



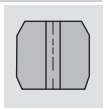
Style R
Oval Section - For use with ASME and API flanges with a flat bottomed or oval groove.



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



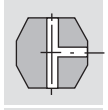
Style BX
Square Octagonal Section - For use in API BX flanges.



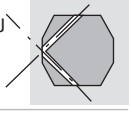
Drilling:

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.

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The Flexitallic Group