



Metal Ring Joint Gaskets

R Series

Oval

- The original ring joint design.
- Used on standard ring joint flat bottom groove flanges.
- Can be used on older round bottom groove flanges.
- Available in Ring No. R11 to R105.



Nominal

Pipe Size (inch)	Class Rating
1/2" - 24"	150 - 2500 ANSI B16.5 and BS1560
26" - 36"	300 - 600 MSS SP44 and BS3293
26" - 36"	900 MSS SP44
1 (1/2)" - 20"	API 6A Spec.

Octagonal

- Modified oval joint ring to provide better sealing performance.
- Used on standard ring joint flat bottom groove flanges.
- Available in Ring No. R11 to R105.



Nominal

Pipe Size (inch)	Class Rating
1/2" - 24"	150 - 2500 ANSI B16.5 and BS1560
26" - 36"	300 - 600 MSS SP44 and BS3293
26" - 36"	900 MSS SP44
1 (1/2)" - 20"	API 6A Spec.

RX Series

- Provides a pressure energised seal.
- Used on standard ring joint flat bottom groove flanges.
- Available in Ring No. RX20 to RX215.



Nominal

Pipe Size (inch)	Class Rating
1 (1/2)" - 20"	720 - 5000 API Flanges

Fully interchangeable with R Series of identical Ring No.

BX Series

- Used in special applications involving high pressures from 350 bar to 1400 bar.
- Provides a pressure energised seal.
- Not recommended for reuse.
- Available in Ring No. BX150 to BX172.



Nominal

Pipe Size (inch)	Class Rating
1 (11/16)" - 21 (1/4)"	5000 - 20000 API Flanges

Material Availability and Technical Information for API and Solid Metal Ring Joints

Material	Brinell Hardness	Rockwell B	Temperature Limits°C	Indentification
Soft Iron	90	56	-60 +500	D
Low Carbon Steel	120	68	-40 +500	S
4% - 6% Chrome 1/2% Mo	130	72	-125 +500	F5
S/S 304	160	83	-250 +500	S304
S/S 316	160	83	-110 +550	S316
S/S 321	160	83	-250 +550	S321
S/S 347	160	83	-250 +550	S347
S/S 410	170	87	-20 +500	S410
Other materials, Monel, Copper, Brass, Aluminium, Inconel, Incoloy, Titanium etc. others available on request.				

