

## GASKETS



### RING TYPE JOINTS

Ring type joints are heavy duty, high pressure gaskets largely used in offshore petrochemical applications. All ring type joints are manufactured according to ASM B16.20 and are available in various different styles and materials which are listed below.

A number of ring type joints are available designed for specific flange types, these are:

TYPE	NOMINAL PIPE SIZE	CLASS RATINGS
Oval & Octagonal	1/2" to 24"	300 to 900 ASME B16.20 Series A
	26" to 36"	150 to 2500 ASME B16.20
	1.1/2" to 20"	API 6A
Type RX	1.1/2" to 24"	720 to 5000 ASME B16.20
	26" to 36"	300 to 900 ASME B16.20 Series A
	1.1/2" to 20"	API 6A
Type BX	1.11/16" to 21.1/4"	5000 to 20000 ASME B16.20

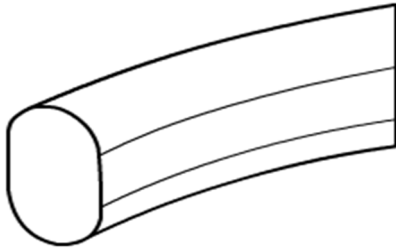
### COMMON MATERIALS

MATERIAL TYPE	HARDNESS	TEMPERATURE LIMITATION	IDENTIFICATION
Soft Iron	90	-60 to +400°C	D
Low Carbon Steel	120	-40 to +500°C	S
4%-6% Cr 1/2% Mo: F5	130	-125 to +500°C	F5
Stainless Steel 304	160	-250 to +650°C	S304
Stainless Steel 316	160	-110 to +800°C	S316
Stainless Steel 321	160	-250 to +870°C	S321
Stainless Steel 347	160	-250 to +870°C	S347
Stainless Steel 410	170	-20 to +500°C	S410
Inconel 625	-	1000°C	625
Inconel 825	-	1000°C	825
Hastelloy C-276	-	1000°C	C-276
Duplex	-	800°C	S31803
Titanium	-	540°C	TI

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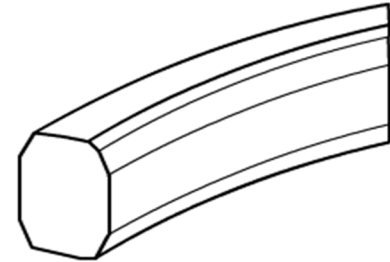


**RING TYPE JOINTS**



**OVAL RING JOINT**

- Used for high pressure applications
- High integrity seal at high pressures
- Suitable for flat and round bottom groove flanges
- Max pressure - Up to class 2500



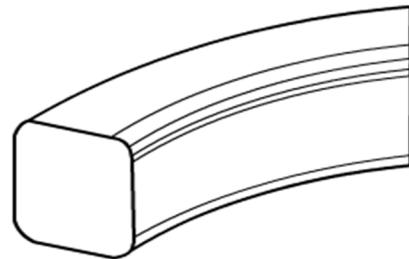
**OCTAGONAL RING JOINT**

- Used for high pressure applications
- High integrity seal at high pressures
- Suitable for flat bottom groove flanges
- Max pressure - Up to class 2500



**TYPE RX RING TYPE JOINT**

- Used for high pressure applications
- High integrity seal at high pressures
- Suitable for flat bottom groove flanges
- Max pressure - Up to class 5000



**TYPE BX RING TYPE JOINT**

- Used for high pressure API applications
- Efficiency of seal improves with increasing internal pressure
- Suitable for API 6BX Flanges
- Max pressure – Up to class 20,000