

ANTILEAK 1031 Ring Jointed Gasket

Model Recommendation

Antileak Model No.	Cross Section View	Application
1031 BX		Only apply to API BX Flanges and grooves
1031 RX		Apply to flanges with standard ring joint grooves
1031 R-Octagonal		Apply to flanges with standard ring joint grooves
1031 R-Oval		Apply to flanges with standard ring joint grooves

Style Recommendation

- 1031 BX Ring Jointed Gasket: Specially designed for very high pressures. All sizes of BX ring jointed gaskets have a pressure balance hole to ensure equalization of pressure which may get trapped in the grooves.
It is only suited for API BX Flanges and grooves.
Typical high pressure and temperature applications where these gaskets are used include valve and pipelines in oil field drilling and refining applications.
- 1031 RX Ring Jointed Gasket: It's a modified version of the R type ring jointed gasket which has higher active internal pressure resulting in increased contact stress. RX Ring Jointed gasket is interchangeable with standard R ring jointed gaskets. The larger size of RX ring jointed gasket has a pressure balance hole to ensure equalization of pressure which may get trapped in the grooves.
Typical high pressure and temperature applications where these gaskets are used include valve and pipelines in oil field drilling and refining applications.
- 1031 R-Octagonal Ring Jointed Gasket: Standard ring jointed gasket with octagonal type cross section and designed to flanges with standard ring joint grooves. Interchangeable with oval ring jointed gaskets on modern octagonal grooved flanges.
Typical high pressure and temperature applications where these gaskets are used include valve and pipelines in oil field drilling and refining applications. In addition, these gaskets are installed in high pressure vessels and pumps.
- 1031 R-Oval Ring Jointed Gasket: Standard ring jointed gasket with oval cross section and designed to flanges with standard ring joint grooves.
Typical high pressure and temperature applications where these gaskets are used include valve and pipelines in oil field drilling and refining applications. In addition, these gaskets are installed in high pressure vessels and pumps.

Material Recommendation

Material	Marking Code	Working temperature (°C)	Max hardness Brinell
Soft Iron	D	-60~500	90
Low Carbon Steel	S	-40~540	120
SS304	304	-250~540	160
SS304L	304L	-250~540	160
SS316	316	-200~815	160
SS316L	316 L	-200~815	160
SS321	/	-200~870	160
SS347	/	-200~870	160
5Cr-0.5Mo	/	-29~650	130
Copper	/	-100~315	80
Aluminum	/	-200~425	35
Inconel 600	/	-100~1095	150
Inconel 825	/	-100~1095	150
Monel 400	/	-100~760	150
Titanium	/	-200~540	215
Hastelloy C276	/	-100~1095	210

Marking according to Standard ASME B 16.20