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SERRATED METAL GASKET

KUKIL INNTOT is a professional manufacturer of gasket, packing coupling with the latest technology not only for the plant but also the plant maintenance and emergency repair.

Product Reference :

K/# C , K/# CV , K/# RC

Description :

The Serrated Metal Gaskets are suitable for Class 150 to 2500 service.

As standard, graphite is the preferred sealing face material, due to its excellent stability and flow characteristics. Other facing materials available are PTFE, silver and soft materials. The metallic core must be selected to suit the application design conditions and the media to be sealed, with both chemical resistance properties and temperature stability characteristics taken into account.

The 'CV' type has the same parallel plane at the top groove, and bottoms of the grooves, however, follow a convex root form. Therefore the soft sealing covering layers of plastically moldable material form a thicker padding in the middle of the profile the specific contact pressure is highest and causes a localized extraordinary good flow of the sealing covering layers into the unavoidable unevenness and roughness of the flange surfaces.

The 'RC' type is equipped with an outer collar that is separated from the body, which absorbs vibrations and does not affect the body when the bolt expands or contracts, so it is applied to environments where vibration and thermal expansion occur.

Service :

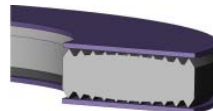
Maximum recommended Temperature : -240°C ~ 1000°C

Maximum recommended Pressure : 250 Kg/cm²

Construction :



Type C



Type CV



Type RC

Core & Layer Properties :

- Core : Iron , Stainless Steel , Nickel Base Alloys & etc.
- Layer

Material	Max. Temperature [°C]	Max. Pressure [Kg/cm ²]
Graphite	650	250
PTFE	250	100
Non-Asbestos	200	100
Silver	750	250
Mica	1,000	40

Gasket Design Data :

- Soft Sealing Material - Layer

Recommended Min. and Max. Surface Pressures [psi]		Layer Material				
		Graphite	PTFE	Non-Asb.	Silver	Mica
at 20°C	Min.	2,900	2,900	5,800	18,000	5,800
	Max.	72,000	72,000	72,000	72,000	72,000
at 300°C	Min.	5,800	-	-	20,000	11,600
	Max.	61,000	-	-	61,000	61,000

- Gasket Factor

Gasket Type	Material of Layer	m	y [psi]
C, CV, RC	P.T.F.E	2.25	2,900
	Graphite	2.25	2,900
	Non-Asbestos	2.25	5,800
	Silver	4.25	18,000

Availability :

Gasket Size : up to ∞

Remark :

- MESC 85/300 Shell TAT Certification.
- The recommended flange surface finish for Serrated Metal Gasket with sealing layers is from 125-250AARH