

CORRUGATED METAL GASKETS

KLINGER Kempchen W1A-3/F1



CORRUGATED METAL GASKETS

KLINGER Kempchen W1A-3/F1

Applications

- » Corrugated metal gaskets are alternative to kammprofile and spiral wound gaskets in standard Class 150 and Class 300 piping flanges.
- » They can also be used in custom designed heat exchanger or pressure vessel girth flanges.
- » Where temperature limits exceed the capability of compressed fiber gasket materials, corrugated metal gaskets are often a consideration over other semi-metallic gasket options.

Dimensions

- » Corrugated metal gaskets for standard pipe flanges are sized identically to compressed fiber gaskets, in accordance with ASME B16.21.
- » Custom dimensions can be manufactured and supplied in accordance with drawings or customer provided dimensions.
- » Standard gaskets are supplied as 0.114" (2.9 mm) thick.
- » The standard metal core thickness is 0.020" (0.5 mm) prior to corrugation.
- » Standard facing materials are 0.031" (0.8 mm) thick.

Properties

- » For standard piping flanges a portion of the gasket, outside of the flange raised face, is not corrugated, as it acts only as a centering ring.
- » A metallic cleat or eyelet is applied to the inner edge of the gasket to prevent direct contact between the internal media and the gasket facing material. The eyelet also improves the leak tightness characteristics of these gaskets.

Materials

- » Metal Core
 - SS 316Ti (standard)
 - SS 304
- » Facing
 - Flexible graphite (standard)
 - PTFE
 - Mica
- » Other metal alloy materials are available for chemical compatibility or process specific applications



KLINGER Thermoseal

2350 Campbell Road, Sidney, Ohio 45365
Tel: +1 937 498 2222

3803 S. Sam Houston Parkway W., Houston, Texas 77053
Tel: +1 713 997 8111