

Teadit® Metalflex Spiral Wound Gaskets

Styles 913, 913M, 913M-CMP, 913-RJ, 913M-RJ, 913M-XHR

Teadit® Style 913



The construction of this gasket is a circular metal winding with an outer centering ring. The sealing element is made of alternating plies of a specified metal and soft sealing material. Standard pipe size gaskets are made to ASME B16.20 (see also style 913M). These gaskets are used in a wide variety of applications.

Teadit® Style 913M



Teadit® Style 913M is a standard Style 913 spiral wound gasket, with the inclusion of an inner ring. The purpose of the inner ring is to fill out the space between the flanges, avoiding turbulence in the media flow, or as protection against corrosion or erosion. It is also significantly utilized as compression limitation. Gaskets with PTFE filler have a tendency to buckle inwards, thus the use of an inner ring is required per ASME B16.20. Inner rings are also required with ASME standard spiral wound gaskets with flexible graphite fillers, unless the purchaser specifies otherwise. Some size pressure classes require inner rings regardless of filler material.

MATERIAL PROPERTIES	
Filler Material	Max. Temperature
PTFE	260°C (500°F)
Flexible Graphite	450°C (842°F)
XHR-MICA /Oxidation Resistant FG/MICA	815+°C (1500+°F)*

Pressures available from 150 to 2500 class as specified.

*Please contact Teadit's Technical Department for assistance.

Teadit® Style 913M-CMP Spiral Wound with Camprofile Inner Ring

For specific applications where crevice corrosion is a concern, Teadit® 913M-CMP is a superior choice. This design is based on an ASME B16.20 spiral wound, but with a camprofiled Monel® inner ring. The inner ring can even be sized to the bore. FG and ePTFE may be selected for filler/facing material. Typical application is for HF Service.

Teadit® Style 913-RJ, 913M-RJ

The 913-RJ is a specially sized spiral wound, designed to be a maintenance item in ring joint flanges, when ring joint gaskets may no longer be practical. They are not for original designs. The outer ring bridges the ring groove, placing the winding (and inner ring if Style 913M-RJ) between the groove ID and the flange bore. Teadit® provides "typical" dimensions for these items. However, the user must assure that the winding (and inner ring if applicable) does not protrude into the flange bore, which may vary. Proper movement is needed in the piping to compress the spiral wound. Please contact Teadit® Technical Department for assistance.

Teadit® Style 913M - XHR

The XHR configuration is designed for Extreme Heat Resistance. Rated to temperatures at, or even beyond 1500°F, this unique winding filler design provides superior sealing characteristics where oxidation of flexible graphite is a potential. Mica is utilized as an oxidation resistant barrier in the O.D. and I.D. wraps, allowing the use of a premium oxidation resistant grade of flexible graphite for tightness. This configuration can be made to fit in standard flange gaskets as well as special dimensioned parts.

Properties and application parameters shown throughout this data sheet are typical. Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations consult TEADIT. Failure to select proper sealing products could result in property damage and/or serious personal injury. Specifications are subject to change without notice; this edition cancels all previous issues.

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