



SPIRAL WOUND GASKET

Item No. FeiteSeal - G110

DATA SHEET



DESCRIPTION:

SPIRAL WOUND GASKETS are to be constructed as alternate plies of preformed metal windings and plain fillers that are spirally wound when compressed between two flanges. A "v" and "w" shaped crown centered in the metal strip acts as a spring, giving gaskets greater resilience under varying conditions. Filler and strip materials can be changed to accommodate different chemical compatibility requirements. If the load available to compress a gasket is limited, gasket construction and dimensions can be altered to provide an effective seal.

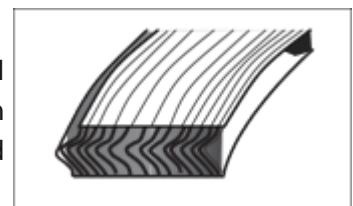
Spiral wound gasket may include a centering ring, an inner ring or both. The outer centering ring enters the gasket within the flange and acts as a compression limiter, while the inner ring provides additional radial strength. The inner ring also reduces flange erosion and protects the sealing element. Resilience and strength make spiral wound gaskets an ideal choice under a variety of conditions and applications. Widely used in refineries and chemical processing plants, spiral wound gasket are also effective for power generation, aerospace, and a variety of valve and special applications. The spiral wound gasket industry is looking for change in the specification covering spiral wound gasket. As environmental regulations and industry requirements become increasingly stringent, new and custom applications are continuing to evolve. Wherever you need a strong, resilient seal, our spiral wound gaskets provide an effective solution.

TYPE OF SPIRAL WOUND GASKET:

Types	Style	Flange	For example
Basic type SWG	SW110-R	Tongue and Groove	SS316L/PTFE
SWG with inner ring	SW110-IR	Male and Female	304 304/FG
SWG with outer ring	SW110-CG	Raised face Flat face	304/ASB CS
SWG with inner & outer rings	SW110-CGI		316L 316L/FG CS
SWG for heat exchanger	SW110-H	Heat exchanger	304/FG with 1 bar of DJ
Special shape SWG	SW110-S	Special	Oval

SW110-R Basic Type

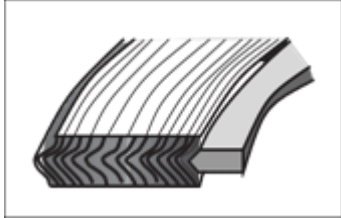
Basic construction type, inner and outer diameters are reinforced with several piles of metal without filler to give greater stability and better compression characteristics. - Suitable for tongue and groove, male and female or grooved to flat face flange assemblies.





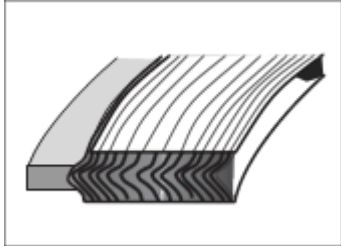
SW110-IR Inner Ring Type

Solid inner metal ring acts as a compression stopper. To prevent accumulation of solids, reduce turbulent flow of process fluids and minimize erosion, damages of gasket between flange bore and the inside diameter, the annular space is filled up by solid inner metal ring. - Suitable for male and female pipe flanges.



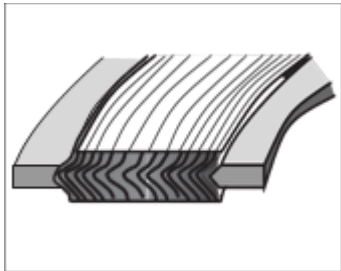
SW110-CG Outer Ring Type

Solid outer ring accurately locates the gasket on the flange face to give the additional radial strength to prevent the gasket blowout and acts as a compression limiter. In case of installing the outer ring, it is very easy to install the gasket to flange face because the end of outer ring will touch at bolts - Suitable for use with flat face and raised face flanges. For class 900 and above an internal ring is recommended.



SW110-CGI Inner & Outer Rings Type

A inner ring and outer ring type gasket will give an additional compression limiting stopper for gasket inner and outer side. It will prevent the corrosions on flange face at annular space. - Suitable for use with flat face and raised face flanges and specified for high pressure / temperature service - Class 900 and above or where corrosive or toxic media are present.



AVAILABLE GASKET MATERIALS:

Materials of Winding and Inner and Outer Rings		Fillers			General Thickness (mm)	
Name	Code	Name	Code	Applicable Temperature °C	V-shaped Gasket/Ring	W-shaped Gasket /Ring
Carbon Steel	CS	Asbestos	ASB	500	3.2/2.0 4.5/3.0 5.5/3.0	4.8/3.0 7.2/4.0
Stainless Steel	304(L),316(L)	Graphite	FG	650		
Monel	Mon	Tetrafluoro	PTFE	260		
Nickel, Titanium	Ni,Ti	Mica	MICA	850		
Inco Nicke	Inconel	Ceramics	CER	1300		
Hastelloy Alloy	HAST	Non Asbestos	NAF	500		

Flexible graphite has been carefully researched and developed to meet industry's demand for a superior alternative to asbestos filler in spiral wound gaskets. Flexible graphite provides performance that is superior to asbestos, and has been field proven through year of actual service in critical applications throughout the world. Flexible graphite is pure graphite and is manufactured without the use of filters, resins or binders that could deteriorate at elevated temperature.

PTFE : If PTFE is subjected to temperatures above 250 composition starts to occur slowly, increasing rapidly above 400.

Care should be taken to avoid inhaling the resultant fumes, which may produce unpleasant effects.

CiXi Feite Sealing Material Co., Ltd.

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FEITESEAL

慈溪飞特密封材料有限公司
CiXi Feite Sealing Material Co., Ltd.

PRODUCT STANDARD:

Our production is in compliance with the standards of **ASME B 16.20, MSS SP-44, API 605, DIN, JIS, JPI, BS 1560, JG / T, GB / T, HG, SH**, etc.

Our products can be customized according to the users' requirements.

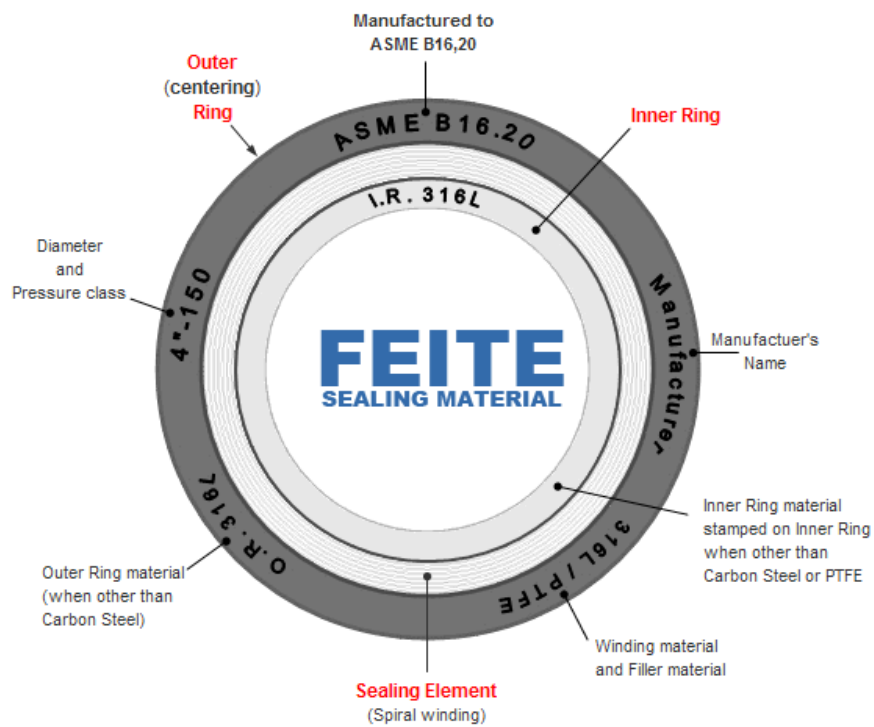
Please provide the specific drawings if the gasket is used in the heat exchanger with ribs.

PACKING:

Normally, 5pcs, 10pcs, 20pcs for one roll.

Other package is according to customer requirement.

MARKING EXAMPLE:



CiXi Feite Sealing Material Co., Ltd.

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