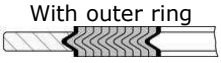
Spiral Wound Gasket

KN 5500 Spiral wound gasket

Spiral wound gasket (SWG) consists of thin metal hoop and nonmetal filler material that are simultaneously wound. The metal hoop is pre-formed in V or W shaped profile, which allows the gasket to act as a spring between the flanges. The hoop also provides the basic structural element for the gasket while the nonmetal filler material seals the flange surfaces that are with small imperfections.

Depending on its excellent compression resilience, it is suitable for sealing spots where the alteration of temperature and pressure are frequent. It can be used as the static sealing element of pipe, valve, pump, thermal exchange, condensing tower, plain hole, man hole of flange, etc. It has been widely applied in the fields of petrochemical, mechanical manufactory, power station, metallurgy, shipbuilding, pharmaceutical, nuclear power station, and navigation.

Styles:

Style	Construction	Suitable flange	Hoop material	Filler material	Inner & outer ring material	Normal thickness	
						Gasket	Inner & outer ring
KN5500	Basic style	Tongue and groove	304, 304L, 316, 316L, 321, 317L, Titanium, Nickel, Monel, Inconel, etc.	Graphite, PTFE, Asbestos, Non-asbestos, Ceramic, etc.	Carbon Steel, 304, 304L, 316, 316L, 321, 317L, Titanium, Nickel, Monel, Inconel, etc.	3.2mm 4.5mm (0.175”) 6.4mm	2mm 3mm (0.125”) 4mm
KN5500A	With inner ring	Male and female					
KN5500B	With outer ring 	Raised face Flat face					
KN5500C	With inner & outer ring						
KN5500D	For use with RTJ flanges	Ring-Type-Joint					
KN5500E	With bar for heat exchanger	Heat exchanger					

* Gaskets are color coded at the outside of the centering ring according to ASME B16.20 standard.

Service Limits:

Filler material	Temperature	Pressure
Graphite	-240°C~+550°C in oxidizing media	300bar in hot water, oil, etc.
	-240°C~+800°C in non-oxidizing media	200bar in vapor oil, gases, etc.
Asbestos	-150°C~+450°C	150bar
PTFE	-200°C~+250°C	150bar

Dimensions:

Produced according to ASME, BS, JIS, DIN standards, etc. Special sizes and shapes are also available upon request.

K.N. PROGRESS CO., LTD.
333/11 The Canary Private Village Moo.4, Srinakarin Rd.,
T.Bangmueang, A. Mueang Samutprakan, Samutprakan 10270
Tel.0815529616, 0959696649