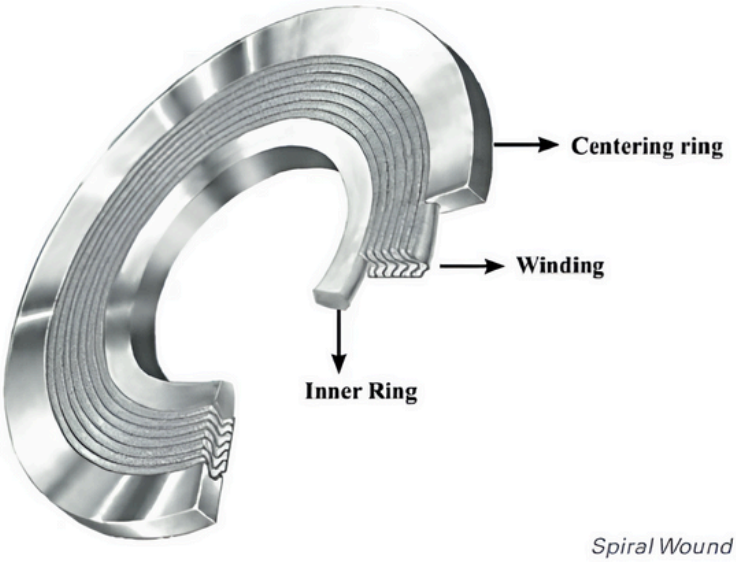
GASKONIX
ENGINEERING PVT. LTD.

SPIRAL WOUND GASKET



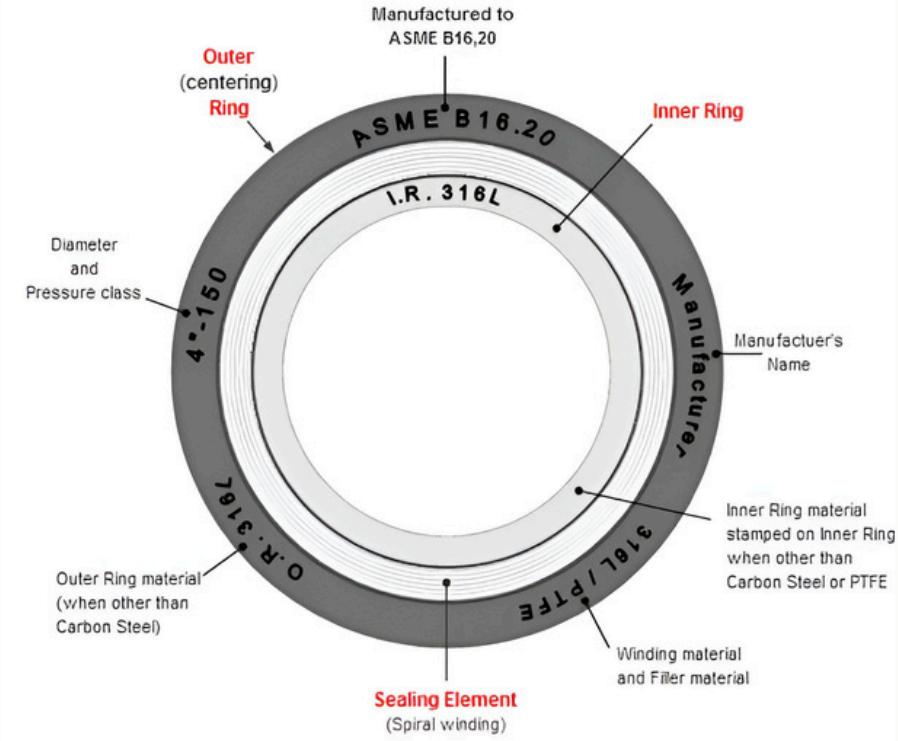
Spiral Wound gasket.

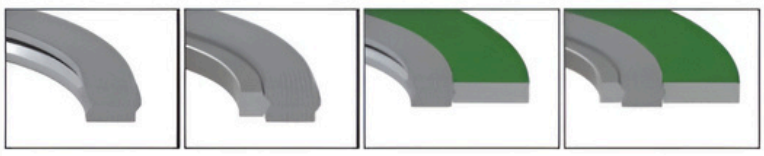
+91 93428 21979 info@gaskonix.com www.gaskonix.com

GASKONIX
ENGINEERING PVT. LTD.

GASKET SEALING

GASKONIX'S Spiral wound Gaskets have the ability to recover under the action of fluctuating loads caused by process fluid pressure and temperature changes, flange face temperature variations.. flange rotation, bolt stress relaxation and creep.





Winding | Winding w/ Inner Ring | Winding w/ Centering Ring | Winding w/ Inner & Centering Ring

The Gasket sealing element consists of a pre-formed metallic winding strip with layers of a softer, more compressible sealing material which, during compression, is densified and flows to fill imperfections in the flange surfaces when the gasket is seated. The Metal Strip holds the Filler giving the gasket mechanical resistance and resilience.

+91 93428 21979 info@gaskonix.com www.gaskonix.com

GASKONIX
ENGINEERING PVT. LTD.

SURFACE FINISH

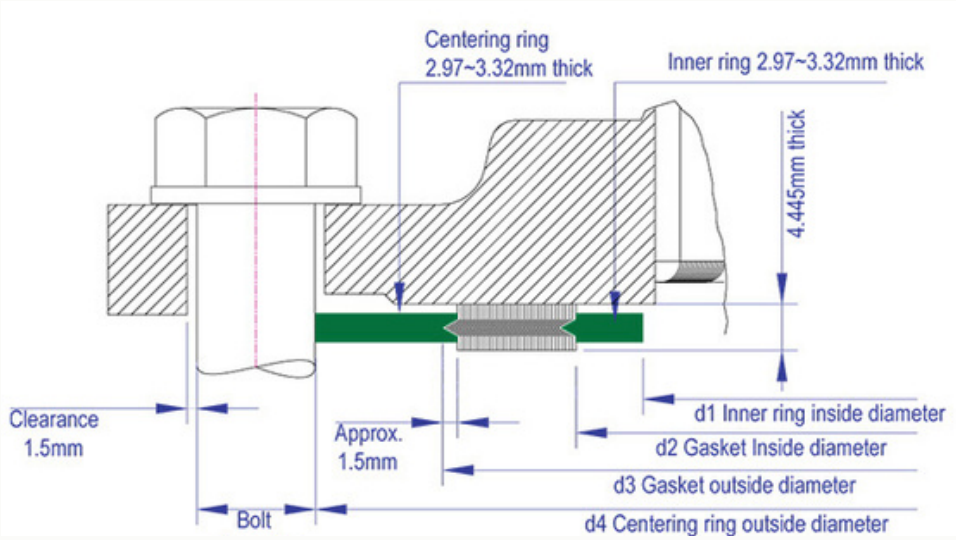
GASKONIX'S Spiral Wound Gaskets are capable of giving an excellent seal over a wide range of flange surface finishes, but as a general guide we suggest the following.

Duty	Roughness	
General	3.2 - 6.3µm	125-200µ"
Critical	3.2µm	125µ"
Vaccum	2.0µm	80µ"

THICKNESS OF SPIRAL WOUND GASKETS

GASKONIX'S Spiral Wound Gaskets are manufactured with a number of standard thicknesses which are designed to compress to a specific thickness to attain the best sealing performance and adaptation to the flanges. The Thickness is measured to the metallic windings not to the filler. The Standard Thickness are as follows:

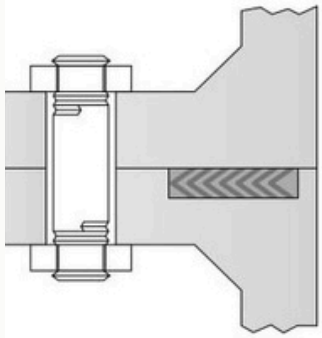
Intial Thickness	Thickness after Installation
2.5mm	2.0mm
3.2mm	2.5mm
4.5mm	3.0-3.2mm
6.4mm	4.6-4.8mm
7.2mm	4.8-5.0mm



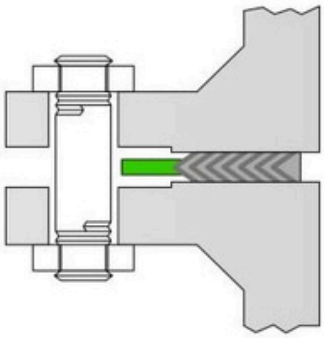
+91 93428 21979 info@gaskonix.com www.gaskonix.com

GASKONIX
ENGINEERING PVT. LTD.

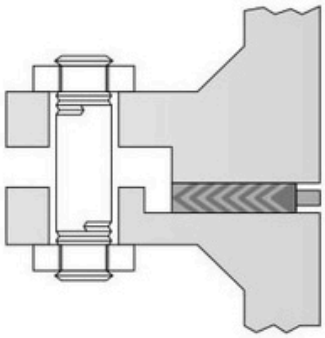
SPIRAL WOUND GASKET STYLES



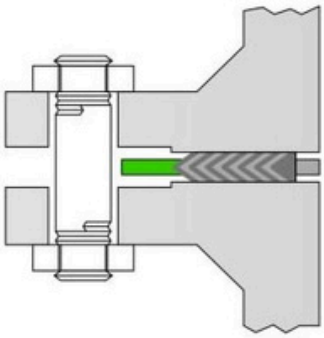
Type S
Spiral Element only



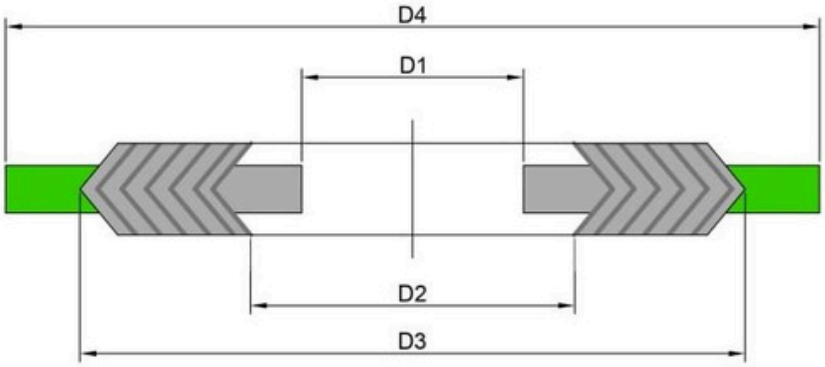
Type SO
Spiral Element with an Outer Guide Ring acting as a compression stop



Type SI
Spiral Element with an Inner Ring acting as a protective barrier



Type SOI
Most Common Requirement
Spiral Element with an Outer
and an Inner Ring



+91 93428 21979 info@gaskonix.com www.gaskonix.com

GASKONIX
ENGINEERING PVT. LTD.

TYPICAL SPECIFICATION

Material	Sealing Element	GRAPHITE / SS 316L GRAPHITE / SS 304 GRAPHITE / INCONEL GRAPHITE / DUPLEX PTFE / SS 316L MICA / SS316L
	Centering Ring	Carbon Steel /SS316L/INC 625 & INC 825 / SS304
	Inner Ring	SS316L /INC825/INC625/SS304
Max Temp	500°C	
Max Pressure	>400 bar.	
Suitability	For flanges to:	ASME B16.5 DIN Standards BS 10 JIS Standards And customs designs

GASKET FACTORS "M" AND "Y"

Material	Gasket Factory "M"	Min Design Seating Stress "Y" (psi)
Spiral Wound Metal Gasket with Non-asbestos Filler Stainless steel / Monel	**3**	10,000

+91 93428 21979 info@gaskonix.com www.gaskonix.com