

**ORDINEM**

**ENGITECH (INDIA) PVT LTD.**



+91-7069777754



+91-8866247754



+91-9510738450



[info@ordinemengitech.com](mailto:info@ordinemengitech.com)

[sales@ordinemengitech.com](mailto:sales@ordinemengitech.com)

[exports@ordinemengitech.com](mailto:exports@ordinemengitech.com)



[www.ordinemengitech.com](http://www.ordinemengitech.com)

**RIGHT** QUALITY  
PRICE  
TIME

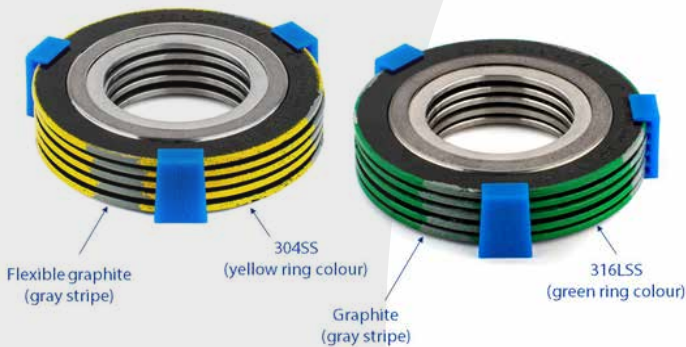


**J-1913, GIDC ANKLESHWAR-393002 (DIST-BHARUCH), GUJARAT- INDIA**

# ORDINEM ENGITECH (INDIA) PVT. LTD.

ORDINEM ENGITECH (INDIA) PVT. LTD. based at Ankleshwar, Gujarat has set-up a new plant with state-of-the-art CNC-Automatic, Semi-Automatic machines to facilitate production of world class 'Spiral Wound Gasket (SWG)' products conforming to international standards like, API 601, ASME B16.20, ASME B 16.5, ASME B16.47A, ASME B16.47B, DIN EN 1092-1 (German Standards) and BS EN 1092 (British Standards) for SWG.

## Metallic & Semi-Metallic Gaskets:



Ordinem gaskets will be seal flanges where temperature, pressure, vibration or flow rates are beyond capability of conventional jointing materials. They are wound in V-Section metal strip & filler material so that flange faces are presented with spiral of alternate metal/ filler layers.

## TYPICAL APPLICATION:

- Pipelines
- Pressure Vessels - Steam, Oil & Gas, Petrochemicals, Metallurgical, Nuclear
- Marine and Hydraulic Equipments
- Heat Exchangers etc.

## PRIME FEATURES:

- Gaskets are made to a wide variety of Sizes and Shapes.
- Combinations of metal winding strip and filler are selected to suit the fluid media and other operating conditions.
- Quick.
- Operate temperatures from cryogenics up to + 5000°C
- System pressure from high vacuum to over 35 MPa / 350Bar (e.g. 43 Mpa / 430 Bar considered for Class 2500 Flanges.)
- Support rings inside and / or Outside of Spiral windings make gasket suitable for high line pressure on flat or raised flange faces.

## Spiralwound Color Chart

Metallurgy - Ring OD Color		
304 SS	Yellow	Yellow
316 SS	Green	Green
321 SS	Turquoise	Turquoise
347 SS	Blue	Blue
Alloy 20	Black	Black
Carbon Steel	Silver	Silver
Hastelloy B	Brown	Brown
Hastelloy C	Beige	Beige
Inconel	Gold	Gold
Monel	Orange	Orange
Nickel	Red	Red
Titanium	Purple	Purple

Filler Material - Stripe Color		
Mica Paper	Pink	Pink
Graphite	Grey	Grey
PTFE	White	White
Ceramic	Light Green	Light Green

## TECHNICAL INFORMATION:

Carbon Steel, Plated with Chrome Passivation or Painted Stainless Steel 304/304L/316/316L/317L/321/347/410, Monel, Nickel, Hastelloy-B , Hastelloy- C276, Titanium, Inconel-600, Inconel-625 etc.

## TEMPERATURE LIMITS FOR FILLER MATERIAL:

MATERIAL	MINIMUM °C	MAXIMUM °C
FLEXIBLE GRAPHITE	-212	510
E-PTFE	-240	260
MICA	-212	1000
NON-ASBESTOS	-100	250

## STANDARD TOLERANCE FOR WINDINGS:

GASKET DIAMETER	OD (mm)	ID (mm)
UP TO 1.0"	+ 0 - 0.2 MM	+ 0 - 0.4 MM
1.0 TO 24 "	+ 0 - 0.2 MM	+ 0 - 0.4 MM
24 TO 36 "	+ 0 - 0.6 MM	+ 0 - 1.0 MM
36 TO 60 "	+ 0 - 0.6 MM	+ 0 - 1.0 MM
60 TO ABOVE	+ 0 - 0.6 MM	+ 0 - 1.0 MM

## GASKET THICKNESS:

NOMINAL THICKNESS	Compressed Thickness	Inner/Outer Ring Thickness
3.2 MM	2.4 - 2.6 MM	2.0 - 2.2 MM
4.5 MM	3.2 - 3.4 MM	3.0 - 3.3 MM



## TEMPERATURE LIMITS FOR COMMON METALS:

Material	Min.	Max.	Abbreviations	Material	Min.	Max.	Abbreviations
SS 304	-195	760	304	Incoloy 800	-100	810	IN 800
SS 316L	-100	760	316L	Incoloy 825	-100	810	IN 825
SS 317L	-100	760	317L	Inconel 600	-100	1090	INC 600
SS 321	-195	760	321	Inconel 625	-100	980	INC 625
SS 347	-195	925	347	InconelX750	-100	730	INX
Carbon Steel	-30	540	CRS	Monel 400	-130	820	MON
Alloy-20	-185	760	A-20	Nickel 200	-195	760	NI
Hastelloy B 2		815	HAST B	Titanium	-195	1090	TI
Hastelloy276		1035	HAST C				

## ORDERING INFORMATION:

Gasket Material	Stainless Steel (SS) 304 / 316 / 316L	Example: Ordinem SS 316 Spiral Wound Expanded Graphite Filled Gasket with SS 316 Inner Ring & CS Outer rings. Size. 2.0" Class 150#, Gasket Thickness, 4.5 mm , Ring Thickness 3.2 mm as per ASME B16.20
Filler	Flexible Graphite / E-PTFE / MICA / Non-Asbestos	
Inner & Outer Ring	Carbon Steel ( CS ), SS 304, 316 / 316L	
Gasket Thickness	3.2 / 4.5 mm	
Inner & Outer Ring Thickness ( Compressed )	2.3 / 3.2 mm	
Class	150#, 300#, 600#, 900#, 1500#,t 2500#	
Size	1.0", 2.0", 3"- 48"	
Standard	ASME- B16.20 / ASME B16.47 (A & B Series)	

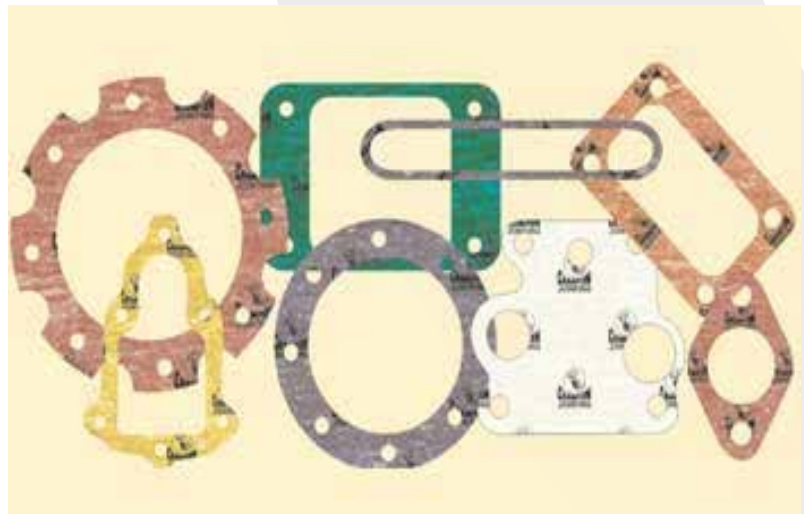
## AVAILABILITY:

Material (Inner & Outer / Guiding Ring) SS 304 / SS 316 / SS 316L / SS 321 etc.  
Size ½ inch to 48 inches, Classes 150# to 2500#

- Larger size Gaskets can be produced to order.
- Other 'Spiral Wound Gasket' material and sizes are available upon request only

## ORDINEM ENGITECH (INDIA) PVT. LTD.

have also recently set-up a state-of-the-art CNC-Automatic Gasket Cutting Machine/System, to cut intricate/-typical shaped & larger sized with PCD Gaskets of all Soft & Fibre material of major brands, which very difficult to cut manually and/or with the help of 'Power Press & Die Cutting System / Machine'.





**ORDINEM ENGITECH (INDIA) PVT. LTD.,**

J-1913, GIDC Ankleshwar-393002 (Dist-Bharuch), Gujarat-

Mobile: +91-7069777754 / 8866247754/ 9510738450

E-mail: [info@ordinemengitech.com](mailto:info@ordinemengitech.com), [sales@ordinemengitech.com](mailto:sales@ordinemengitech.com), [exports@ordinemengitech.com](mailto:exports@ordinemengitech.com)