

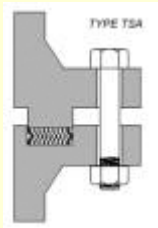
Spiral Wound Gasket



Spiral wound gaskets are made of a preformed metallic strip and a soft filler material (PTFE or Flexible graphite), wound together under pressure, and optionally with an inner and/or outer guide ring. The metal strip holds the filler, resulting in excellent mechanical resistance, resilience and recovery.

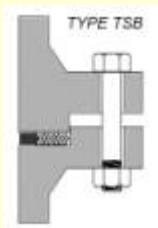
For applications with high temperature variations (thermal cycling), and/or pressure variations, and/or flange rotation problems etc., gaskets with adequate residual stress (stress retention), flexibility and recovery are needed. Montero spiral wound gaskets have been designed to meet these demanding requirements.

Gasket Styles



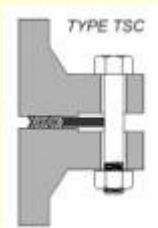
TSA

Basic construction type, wound by steel tape and filler material. Suitable for tongue and groove or male and female or grooved to flat face flange assemblies



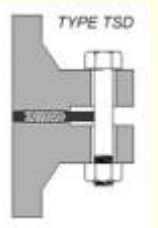
TSB

Solid inner metal ring acts as a compression stop and fills the annular space between flange bore and the inside diameter. Designed to prevent accumulation of solids, reduce turbulent flow of process fluids and minimize erosion of flange faces. Suitable for male and female pipe flange.



TSC

Utilizes an external ring which accurately centers gasket on flange face, provides additional radial strength to prevent gasket blow-out and acts as a compression stop. A general purpose gasket suitable for use with flat face and raised face flanges. Above class 600 an internal ring is recommended.



TSD

Utilizes an external ring which accurately centers gasket on flange face, provides additional radial strength to prevent gasket blow-out and acts as a compression stop. A general purpose gasket suitable for use with flat face and raised face flanges. Above class 600 an internal ring is recommended.

WARNING:

Properties/applications shown throughout this brochure are typical. Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations consult Montero. Failure to select the proper sealing products could result in property damage and/or serious personal injury. Performance data published in this brochure has been developed from field testing, customer field reports and/or in-house testing. While the utmost care has been used in compiling this brochure, we assume no responsibility for errors. Specifications subject to change without notice. This edition cancels all previous issues. Subject to change without notice. Montero is a registered trademark for packing, seals, gaskets, and other products of Montero.



Spiral Wound Specifications

Temperature Limits for Common Metals

Metal	Lower limit		Upper limit		Abbreviation	Guide Ring Color Code*
	F	°C	F	°C		
304	-320	-195	1400	760	304	Yellow
316	-150	-100	1400	760	316L	Green
321	-320	-195	1400	760	321	Turquoise
347	-320	-195	1700	925	347	Blue
Carbon steel	-40	-40	1000	450	CRS	Silver
20cB-3	-300	-185	1400	760	A-20	Black
Hast-B 2	-300	-185	2000	1090	HAST B	Brown
Hast-C 276	-300	-185	2000	1090	HAST C	Beige
Incoloy 800	-150	-100	1600	870	IN 800	White
Inconel 600	-150	-100	2000	1090	INC 600	Gold
Inconel X750	-150	-100	2000	1090	INX	No Color
Monel 400	-200	-150	1500	820	MON	Orange
Nickel 200	-320	-195	1400	760	NI	Red
Titanium	-320	-195	2000	1090	TI	Purple

Temperature Limits for Filler Material

Material	Lower limit		Upper limit		Abbreviation	Stripe Color Code*
	F	°C	F	°C		
Ceramic	-350	-212	2000	1090	CER	Light Green
Flexible Graphite	-350	-212	950	510	F.G.	Gray
PTFE	-400	-240	500	230	PTFE	White
Mica Graphite	-350	-212	600	345	VC	Pink

Standard Spiral Wound Dimensional Tolerance

Gasket** Thickness	Tolerance	Width Limits		Compressed Thickness
		Min.	Max.	
0.125"	+/-0.005	3/16"	1"*	.090 - .100"
0.175"	+/-0.005	1/4"	1-1/2"*	.125 - .135"
0.250"	+/-0.005	5/16"	1-1/2"*	.180 - .200"
0.285"	+/-0.005	5/16"	1-1/2"*	.200 - .220"

* Spiral wound gaskets can be made to large maximum widths if required.

WARNING:

Properties/applications shown throughout this brochure are typical. Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations consult Montero. Failure to select the proper sealing products could result in property damage and/or serious personal injury. Performance data published in this brochure has been developed from field testing, customer field reports and/or in-house testing. While the utmost care has been used in compiling this brochure, we assume no responsibility for errors. Specifications subject to change without notice. This edition cancels all previous issues. Subject to change without notice. Montero is a registered trademark for packing, seals, gaskets, and other products of Montero.