SPIRAL WOUND GASKET

Style No:TMS

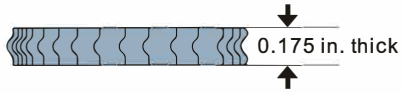
Spiral wound gaskets have to recover under the action of fluctuating loads caused by process fluid pressure and temperature changes,flange face temperature variations, flange rotation,bolt stress relaxation and creep.

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. Spiral wound gaskets can be manufactured from a range of filler materials according to different service conditions.

Filler Material	Maximum	ASME B16.20 Colour
Graphite	550℃	Grey
PTFE	260℃	White
Nonas	350℃	Pink
Mica	1000℃	Light Green
Winding	Maximum	ASME B16.20 Colour
Carbon Steel	500℃	Silver
S S304	650℃	Yellow
S S316	800℃	Green
Duplex	800℃	N/A
S S347	870℃	Blue
SS321	870℃	Turquoise
Monel 400	800℃	Orange
Nickel 200	600℃	Red
Titanium	540℃	Purple
Hastelloy B-2	1000℃	Brown
Hastelloy C-276	1000℃	Beige
Inconel 600	1000℃	Gold
Inconel 625	1000℃	Gold
Inconel X-750	1000℃	Light Grey
Incoloy 825	1000℃	White

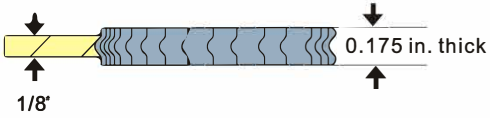
TYPE CR

TMS spiral wound sealing element
Solid metal outer ring used as a centring device and compression stop
Used mainly on raised face and flat face flanges
General Duties



TYPE RIR

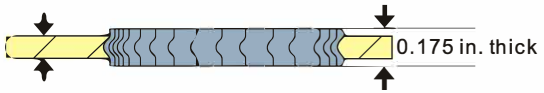
TMS spiral wound sealing element
Solid metal outer ring
High pressure temperature capability
Male to female flanges
General and critical duties



Outside Centering Ring

TYPE CRIR

TMS spiral wound sealing element
Solid metal inner & outer ring suitable for high pressure and temperature applications
Raised face or flat flanges
Prevents turbulence and erosion damage to flange
Prevents damage to the gasket bore and inner windings
Acts as a heat shield
Acts as a corrosion barrier
General and Critical Duties



1/8" (Typ)

Outside Centering Ring Inner Ring