



STYLE O G

A spiral wound gasket is a type of semi-metallic gasket that is made by winding alternating layers of a metal strip and a soft filler material such as graphite or PTFE. The spiral wound gaskets can be designed with or without an outer/ inner ring. A style OG Spiral Wound Gasket is with an outer ring.

Usage

Raised Face Flanges.

Winding Materials: SS304, SS316L, SS317L, SS321, SS347, Monel, Nickel, Titanium, Alloy 20, Inconel 600, Hastelloy B, Hastelloy C, Alloy 800

Winding fillers: Flexible graphite, PTFE, Mica, Ceramic

Outer Ring Materials: Carbon Steel, SS304, SS316L, SS317L, SS321, SS347, Monel, Nickel, Titanium, Alloy 20, Inconel 600, Hastelloy B, Hastelloy C, Alloy 800

Design parameters

GASKET THICKNESS	MAXIMUM INSIDE DIMENSION	RECOMMENDED FLANGE WIDTH	RECOMMENDED COMPRESSED THICKNESS
3 mm (0.125")	Up to 20"	1"	0.09"/ 0.10"
3 mm (0.125")	20" to 40"	3/4"	0.09"/ 0.10"
4.5 mm (0.175")	Up to 40"	1"	0.125"/ 0.135"
4.5 mm (0.175")	40" to 60"	1"	0.125"/ 0.135"
4.5 mm (0.175")	60" to 70"	7/8"	0.125"/ 0.135"
4.5 mm (0.175")	70" to 75"	3/4"	0.125"/ 0.135"
6.35 mm (0.250")	90"	1"	0.18"/ 0.20"
7.24 mm (0.285")	165"	1"	0.20"/ 0.22"

Tolerance capabilities as per ASME B16.20

GASKET DIAMETER	INSIDE DIAMETER	OUTSIDE DIAMETER
Up to 200 mm (8")	± 0.4 mm (± 0.016")	± 0.8 mm (± 0.03")
250 to 610 mm (10" to 24")	± 0.8 mm (± 0.03")	± 1.6 mm (± 0.06")
660 to 864 mm (26" to 34")	± 0.8 mm (± 0.03")	± 1.6 mm (± 0.06")
915 to 1524 mm (36" to 60")	± 1.25 mm (± 0.05")	± 1.6 mm (± 0.06")



Design Factors

m = 3

y = 10,000 psi

Recommended surface finish

125 - 250 rms

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