



STYLE 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 G Spiral Wound Gasket is without an outer ring and inner ring.

Usage

Tongue and Groove or Male and Female 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

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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