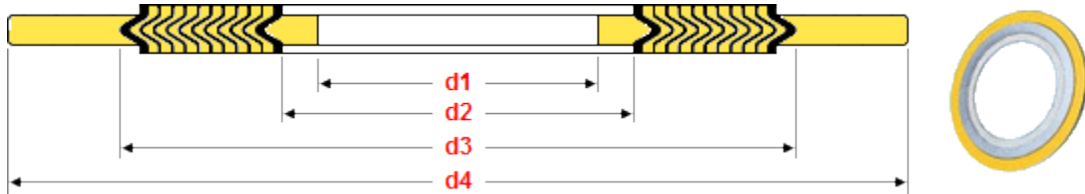




لوجيك للتجهيزات الفنية  
Logic Technical Supplies

## Dimensions of Spiral Wound Gaskets ASME B16.20 used with Raised Face flanges ASME B16.5



### Other Pressure Classes

	150	300	400	600	600	1500	2500
Class 900 NPS 1/2-24							
NPS	Inner Ring		Sealing Element			Outer Ring	
	d1		d2	d3		d4	
1/2	14.2		19.1	31.8		63.5	
3/4	20.6		25.4	39.6		69.9	
1	26.9		31.8	47.8		79.5	
1.1/4	33.3		39.6	60.5		88.9	
1.1/2	41.4		47.8	69.9		98.6	
2	52.3		58.7	85.9		143	
2.1/2	63.5		69.9	98.6		165.1	
3	78.7		95.3	120.7		168.4	
4	102.6		120.7	149.4		206.5	
5	128.3		147.6	177.8		247.7	
6	154.9		174.8	209.6		289.1	
8	196.9		222.3	257.3		358.9	
10	246.1		276.4	311.2		435.1	
12	292.1		323.9	368.3		498.6	

14	320.8	355.6	400.1	520.7
16	374.7	412.8	457.2	574.8
18	425.5	463.6	520.7	638.3
20	482.6	520.7	571.5	698.5
24	590.6	628.7	679.5	838.2
NPS	d1	d2	d3	d4
	Inner Ring	Sealing Element		Outer Ring

*General notes:*

- Dimensions are in millimeters unless otherwise indicated.
- Image shows a Spiral Wound gasket with Inner - and Outer ring.
- d1 = Inside diameter when Inner ring is used.
- d2 = Inside diameter sealing element when no Inner ring is used.
- d3 = Outside diameter of sealing element.
- d4 = Outside diameter of Outer ring.
- Thickness of inner and outer ring: 2.97 mm - 3.33 mm.
- Thickness sealing element: 4.45 mm.
- Tolerance Outside diameter for NPS 1/2 through NPS 8 is  $\pm 0.8$  mm; for NPS 10 through NPS 24 tolerance is  $+ 1.5$  mm - 0.8 mm.
- ASME B16.20 does not covers class 400 flanges up to NPS 3 and class 900 flanges up to NPS 2.1/2.
- There are no class 400 flanges NPS 1/2 thru NPS 3 (use Class 600), class 900 flanges NPS 1/2 thru NPS 2.1/2 (use Class 1500), or class 2500 flanges NPS 14 or larger.
- The inner ring inside diameters shown for NPS 1.1/4 thru 2.1/2 in class 1500 and 2500 will produce inner ring widths of 0.12 inches, a practical minimum for production purposes.
- ASME B16.20 which covers spiral wound gaskets requires the use of solid metal inner rings in: Pressure Class 900, nominal pipe sizes 24 and larger, Pressure Class 1500 from nominal pipe sizes 12 and larger, Pressure Class 2500 from nominal pipe sizes 4 and larger and all PTFE filled gaskets.

## Marking of Spiral Wound Gaskets

