



DIMENSIONS FOR SPIRAL - WOUND GASKETS USED WITH ASME / ANSI B 16.5 FLANGES

Flange Size (NPS)	Outside Diameter of Gasket [Note (1)]		Inside Diameter of Gasket by Class [Notes (2), (3)]								Outside Diameter of Centering Ring by Class [Note (4)]							
	Classes 150, 300, 400, 600	Classes 900, 1500, 2500	150	300	400 (5)	600	900 (5)	1500	2500 (5)	150	300	400 (5)	600	900 (5)	1500	2500 (5)		
	1/2	31.8	31.8	19.1	19.1	...	19.1	...	19.1	19.1	47.8	54.1	...	54.1	...	63.5	69.9	
3/4	39.6	39.6	25.4	25.4	...	25.4	...	25.4	25.4	57.2	66.8	...	66.8	...	69.9	76.2		
1	47.8	47.8	31.8	31.8	...	31.8	...	31.8	31.8	66.8	73.2	...	73.2	...	79.5	85.9		
1 1/4	60.5	60.5	47.8	47.8	...	47.8	...	39.6	39.6	76.2	82.6	...	82.6	...	88.9	104.9		
1 1/2	69.9	69.9	54.1	54.1	...	54.1	...	47.8	47.8	85.9	95.3	...	95.3	...	98.6	117.6		
2	85.9	85.9	69.9	69.9	...	69.9	...	58.7	58.7	104.9	111.3	...	111.3	...	143.0	146.1		
2 1/2	98.6	98.6	82.6	82.6	...	82.6	...	69.9	69.9	124.0	130.3	...	130.3	...	165.1	168.4		
3	120.7	120.7	101.6	101.6	...	101.6	95.3	92.2	92.2	136.7	149.4	...	149.4	168.4	174.8	196.9		
4	149.4	149.4	127.0	127.0	120.7	120.7	120.7	117.6	117.6	174.8	181.1	177.8	193.8	206.5	209.6	235.0		
5	177.8	177.8	155.7	155.7	147.6	147.6	147.6	143.0	143.0	196.9	215.9	212.9	241.3	247.7	254.0	279.4		
6	209.6	209.6	182.6	182.6	174.8	174.8	174.8	171.5	171.5	222.3	251.0	247.7	266.7	289.1	282.7	317.5		
8	263.7	257.3	233.4	233.4	225.6	225.6	222.3	215.9	215.9	279.4	308.1	304.8	320.8	358.9	352.6	387.4		
10	317.5	311.2	287.3	287.3	274.6	274.6	276.4	266.7	270.0	339.9	362.0	358.9	400.1	435.1	435.1	476.3		
12	374.7	368.3	339.9	339.9	327.2	327.2	323.9	323.9	317.5	409.7	422.4	419.1	457.2	498.6	520.7	549.4		
14	406.4	400.1	371.6	371.6	362.0	362.0	355.6	362.0	...	450.9	485.9	482.6	492.3	520.7	577.9	...		
16	463.6	457.2	422.4	422.4	412.8	412.8	412.8	406.4	...	514.4	539.8	536.7	565.2	574.8	641.4	...		
18	527.1	520.7	474.7	474.7	469.9	469.9	463.6	463.6	...	549.4	596.9	593.9	612.9	638.3	704.9	...		
20	577.9	571.5	525.5	525.5	520.7	520.7	520.7	514.4	...	606.6	654.1	647.7	682.8	698.5	755.7	...		
24	685.8	679.5	628.7	628.7	628.7	628.7	628.7	616.0	...	717.6	774.7	768.4	790.7	838.2	901.7	...		

GENERAL NOTES:

- (a) All dimensions are in millimeters.
- (b) For reference, see Table 9 illustration on previous page.
- (c) The gasket thickness tolerance is ± 13 mm measured across the metallic portion of the gasket, not including the filler, which may protrude slightly beyond the metal.
- (d) For limitations on the maximum flange bore for use with these spiral-wound gaskets, see Table 16.

NOTES:

- (1) The gasket outside diameter tolerance for NPS 1/2 through NPS 8 is ± 0.8 mm; for NPS 10 through NPS 24, $+1.5$ mm, -0.8 mm.
- (2) Refer to para. 3.2.5 for required use of inner rings.
- (3) The gasket inside diameter tolerance for NPS 1/2 through NPS 8 is ± 0.4 mm; for NPS 10 through NPS 24, ± 0.8 mm.
- (4) The centering ring outside diameter tolerance is ± 0.8 mm.
- (5) There are no Class 400 flanges in NPS 1/2 through NPS 3 (use Class 600), Class 900 flanges in NPS 1/2 through NPS 2 1/2 (use Class 1500), or Class 2500 flanges NPS 14 and larger.