



**Dimensions of Spiral Wound Gaskets as per ASME B16.20 to suit ASME B16.5 Flange**

SIZE & RATING	OUTER RING OD	GASKET OD	GASKET ID	INNER RING ID	GASKET THICKNESS	RING THICKNESS
	d4	d3	d2	d1	t	t1
2 1/2" - 900 #	Note 9	Note 9	Note 9	Note 9	4.45	2.97 – 3.33
2 1/2" - 1500 #	165.10	98.60	69.90	63.50	4.45	2.97 – 3.33
2 1/2" - 2500 #	168.40	98.60	69.90	63.50	4.45	2.97 – 3.33
3" - 150 #	136.70	120.70	101.60	81.00	4.45	2.97 – 3.33
3" - 300 #	149.40	120.70	101.60	81.00	4.45	2.97 – 3.33
3" - 400 #	Note 9	Note 9	Note 9	Note 9	4.45	2.97 – 3.33
3" - 600 #	149.40	120.70	101.60	81.00	4.45	2.97 – 3.33
3" - 900 #	168.40	120.70	95.30	78.70	4.45	2.97 – 3.33
3" - 1500 #	174.80	120.70	92.20	78.70	4.45	2.97 – 3.33
3" - 2500 #	196.90	120.70	92.20	78.70	4.45	2.97 – 3.33
3 1/2" - 150 #	161.90	133.40	114.30	101.10	4.45	2.97 – 3.33
3 1/2" - 300 #	165.10	133.40	114.30	101.10	4.45	2.97 – 3.33
3 1/2" - 400 #	Note 9	Note 9	Note 9	Note 9	4.45	2.97 – 3.33
3 1/2" - 600 #	161.90	133.40	104.80	91.40	4.45	2.97 – 3.33
3 1/2" - 900 #	Note 10	Note 10	Note 10	Note 10	Note 10	Note 10
3 1/2" - 1500 #	Note 10	Note 10	Note 10	Note 10	Note 10	Note 10
3 1/2" - 2500 #	Note 10	Note 10	Note 10	Note 10	Note 10	Note 10
4" - 150 #	174.80	149.40	127.00	106.40	4.45	2.97 – 3.33
4" - 300 #	181.10	149.40	127.00	106.40	4.45	2.97 – 3.33
4" - 400 #	177.80	149.40	120.70	102.60	4.45	2.97 – 3.33
4" - 600 #	193.80	149.40	120.70	102.60	4.45	2.97 – 3.33
4" - 900 #	206.50	149.40	120.70	102.60	4.45	2.97 – 3.33
4" - 1500 #	209.60	149.40	117.60	97.80	4.45	2.97 – 3.33
4" - 2500 #	235.00	149.40	117.60	97.80	4.45	2.97 – 3.33
5" - 150 #	196.90	177.80	155.70	131.80	4.45	2.97 – 3.33
5" - 300 #	215.90	177.80	155.70	131.80	4.45	2.97 – 3.33
5" - 400 #	212.90	177.80	147.60	128.30	4.45	2.97 – 3.33
5" - 600 #	241.30	177.80	147.60	128.30	4.45	2.97 – 3.33
5" - 900 #	247.70	177.80	147.60	128.30	4.45	2.97 – 3.33
5" - 1500 #	254.00	177.80	143.00	124.50	4.45	2.97 – 3.33
5" - 2500 #	279.40	177.80	143.00	124.50	4.45	2.97 – 3.33
6" - 150 #	222.30	209.60	182.60	157.20	4.45	2.97 – 3.33
6" - 300 #	251.00	209.60	182.60	157.20	4.45	2.97 – 3.33
6" - 400 #	247.70	209.60	174.80	154.90	4.45	2.97 – 3.33
6" - 600 #	266.70	209.60	174.80	154.90	4.45	2.97 – 3.33
6" - 900 #	289.10	209.60	174.80	154.90	4.45	2.97 – 3.33
6" - 1500 #	282.70	209.60	171.50	147.30	4.45	2.97 – 3.33
6" - 2500 #	317.50	209.60	171.50	147.30	4.45	2.97 – 3.33
8" - 150 #	279.40	263.70	233.40	215.90	4.45	2.97 – 3.33
8" - 300 #	308.10	263.70	233.40	215.90	4.45	2.97 – 3.33
8" - 400 #	304.80	263.70	225.60	205.70	4.45	2.97 – 3.33
8" - 600 #	320.80	263.70	225.60	205.70	4.45	2.97 – 3.33
8" - 900 #	358.90	257.30	222.30	196.90	4.45	2.97 – 3.33
8" - 1500 #	352.60	257.30	215.90	196.90	4.45	2.97 – 3.33
8" - 2500 #	387.40	257.30	215.90	196.90	4.45	2.97 – 3.33
10" - 150 #	339.90	317.50	287.30	268.20	4.45	2.97 – 3.33
10" - 300 #	362.00	317.50	287.30	268.20	4.45	2.97 – 3.33
10" - 400 #	358.90	317.50	274.60	255.30	4.45	2.97 – 3.33
10" - 600 #	400.10	317.50	274.60	255.30	4.45	2.97 – 3.33
10" - 900 #	435.10	311.20	276.40	246.10	4.45	2.97 – 3.33
10" - 1500 #	435.10	311.20	266.70	246.10	4.45	2.97 – 3.33
10" - 2500 #	476.30	311.20	270.00	246.10	4.45	2.97 – 3.33
12" - 150 #	409.70	374.70	339.90	317.50	4.45	2.97 – 3.33
12" - 300 #	422.40	374.70	339.90	317.50	4.45	2.97 – 3.33
12" - 400 #	419.10	374.70	327.20	307.30	4.45	2.97 – 3.33
12" - 600 #	457.20	374.70	327.20	307.30	4.45	2.97 – 3.33
12" - 900 #	498.60	368.30	323.90	292.10	4.45	2.97 – 3.33
12" - 1500 #	520.70	368.30	323.90	292.10	4.45	2.97 – 3.33

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SIZE & RATING	OUTER RING OD	GASKET OD	GASKET ID	INNER RING ID	GASKET THICKNESS	RING THICKNESS
	d4	d3	d2	d1	t	t1
12" - 2500 #	549.40	368.30	317.50	292.10	4.45	2.97 – 3.33
14" - 150 #	450.90	406.40	371.60	349.30	4.45	2.97 – 3.33
14" - 300 #	485.90	406.40	371.60	349.30	4.45	2.97 – 3.33
14" - 400 #	482.60	406.40	362.00	342.90	4.45	2.97 – 3.33
14" - 600 #	492.30	406.40	362.00	342.90	4.45	2.97 – 3.33
14" - 900 #	520.70	400.10	355.60	320.80	4.45	2.97 – 3.33
14" - 1500 #	577.90	400.10	362.00	320.80	4.45	2.97 – 3.33
16" - 150 #	514.40	463.60	422.40	400.10	4.45	2.97 – 3.33
16" - 300 #	539.80	463.60	422.40	400.10	4.45	2.97 – 3.33
16" - 400 #	536.70	463.60	412.80	389.90	4.45	2.97 – 3.33
16" - 600 #	565.20	463.60	412.80	389.90	4.45	2.97 – 3.33
16" - 900 #	574.80	457.20	412.80	374.70	4.45	2.97 – 3.33
16" - 1500 #	641.40	457.20	406.40	368.30	4.45	2.97 – 3.33
18" - 150 #	549.40	527.10	474.70	449.30	4.45	2.97 – 3.33
18" - 300 #	596.90	527.10	474.70	449.30	4.45	2.97 – 3.33
18" - 400 #	593.90	527.10	469.90	438.20	4.45	2.97 – 3.33
18" - 600 #	612.90	527.10	469.90	438.20	4.45	2.97 – 3.33
18" - 900 #	638.30	520.70	463.60	425.50	4.45	2.97 – 3.33
18" - 1500 #	704.90	520.70	463.60	425.50	4.45	2.97 – 3.33
20" - 150 #	606.60	577.90	525.50	500.10	4.45	2.97 – 3.33
20" - 300 #	654.10	577.90	525.50	500.10	4.45	2.97 – 3.33
20" - 400 #	647.70	577.90	520.70	489.00	4.45	2.97 – 3.33
20" - 600 #	682.80	577.90	520.70	489.00	4.45	2.97 – 3.33
20" - 900 #	698.50	571.50	520.70	482.60	4.45	2.97 – 3.33
20" - 1500 #	755.70	571.50	514.40	476.30	4.45	2.97 – 3.33
22" - 150 #	660.40	625.50	593.80	568.40	4.45	2.97 – 3.33
22" - 300 #	704.90	625.50	577.90	552.50	4.45	2.97 – 3.33
22" - 400 #	701.80	625.50	577.90	546.20	4.45	2.97 – 3.33
22" - 600 #	733.60	625.50	577.90	546.20	4.45	2.97 – 3.33
22" - 900 #	Note 10	Note 10	Note 10	Note 10	Note 10	Note 10
22" - 1500 #	Note 10	Note 10	Note 10	Note 10	Note 10	Note 10
24" - 150 #	717.60	685.80	628.70	603.30	4.45	2.97 – 3.33
24" - 300 #	774.70	685.80	628.70	603.30	4.45	2.97 – 3.33
24" - 400 #	768.40	685.80	628.70	590.60	4.45	2.97 – 3.33
24" - 600 #	790.70	685.80	628.70	590.60	4.45	2.97 – 3.33
24" - 900 #	838.20	679.50	628.70	590.60	4.45	2.97 – 3.33
24" - 1500 #	901.70	679.50	616.00	577.90	4.45	2.97 – 3.33

**Notes:**

- All dimensions are in mm.
- The gasket thickness tolerance is  $\pm 0.13$  mm measured across the metallic portion of the gasket, not including the filler, which may protrude slightly beyond the metal.
- The gasket outside diameter tolerance for NPS 1/2 through NPS 8 is  $\pm 0.8$  mm; for NPS 10 through NPS 24, +1.5 mm, -0.8 mm.
- The gasket inside diameter tolerance for NPS 1/2 through NPS 8 is  $\pm 0.4$  mm; for NPS 10 through NPS 24,  $\pm 0.8$  mm.
- The centering ring outside diameter tolerance is  $\pm 0.8$  mm.
- The inner ring thickness shall be 2.97 mm to 3.33 mm (0.117 inch to 0.131 inch)
- For sizes NPS 1/2" through NPS 3", the inner ring inside diameter tolerance is  $\pm 0.8$  mm ( $\pm 0.03$  inch); for larger sizes, the inside diameter tolerance is  $\pm 1.5$  mm ( $\pm 0.06$  inch).
- These inner rings are suitable for use with pipe walls 9.53 mm (0.38 inch) or thicker.
- There are no sizes listed for Class 400 flanges in NPS 1/2 through NPS 3 1/2 (use Class 600), Class 900 flanges in NPS 1/2 through NPS 2. 1/2 (use Class 1500).
- There are no flanges in NPS 3 1/2 and NPS 22 in Class 900 and Class 1500; or Class 2500 flanges in NPS 3 1/2 or NPS 14 and larger.