

Dimensions of Spiral Wound Gaskets as per BS 3381 to suit BS 1560 Flange



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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
1/4" - 150 #	44.50	22.20	12.70	-	4.45	2.97 – 3.33
1/4" - 300 #	44.50	22.20	12.70	-	4.45	2.97 – 3.33
1/4" - 400 #	44.50	22.20	12.70	-	4.45	2.97 – 3.33
1/4" - 600 #	44.50	22.20	12.70	-	4.45	2.97 – 3.33
1/4" - 900 #	-	22.20	12.70	-	4.45	2.97 – 3.33
1/4" - 1500 #	-	22.20	12.70	-	4.45	2.97 – 3.33
1/4" - 2500 #	-	-	-	-	4.45	2.97 – 3.33
1/2" - 150 #	47.6	31.80	19.10	14.30	4.45	2.97 – 3.33
1/2" - 300 #	54.00	31.80	19.10	14.30	4.45	2.97 – 3.33
1/2" - 400 #	54.00	31.80	19.10	14.30	4.45	2.97 – 3.33
1/2" - 600 #	54.00	31.80	19.10	14.30	4.45	2.97 – 3.33
1/2" - 900 #	63.50	31.80	19.10	14.30	4.45	2.97 – 3.33
1/2" - 1500 #	63.50	31.80	19.10	14.30	4.45	2.97 – 3.33
1/2" - 2500 #	69.90	31.80	19.10	14.30	4.45	2.97 – 3.33
3/4" - 150 #	57.2	39.70	27.00	20.60	4.45	2.97 – 3.33
3/4" - 300 #	66.70	39.70	25.40	20.60	4.45	2.97 – 3.33
3/4" - 400 #	66.70	39.70	25.40	20.60	4.45	2.97 – 3.33
3/4" - 600 #	66.70	39.70	25.40	20.60	4.45	2.97 – 3.33
3/4" - 900 #	69.90	39.70	25.40	20.60	4.45	2.97 – 3.33
3/4" - 1500 #	69.90	39.70	25.40	20.60	4.45	2.97 – 3.33
3/4" - 2500 #	76.20	39.70	25.40	20.60	4.45	2.97 – 3.33
1" - 150 #	66.7	47.60	33.30	27.00	4.45	2.97 – 3.33
1" - 300 #	73.00	47.60	31.80	27.00	4.45	2.97 – 3.33
1" - 400 #	73.00	47.60	31.80	27.00	4.45	2.97 – 3.33
1" - 600 #	73.00	47.60	31.80	27.00	4.45	2.97 – 3.33
1" - 900 #	79.40	47.60	31.80	27.00	4.45	2.97 – 3.33
1" - 1500 #	79.40	47.60	31.80	27.00	4.45	2.97 – 3.33
1" - 2500 #	85.70	47.60	31.80	27.00	4.45	2.97 – 3.33
1 1/4" - 150 #	76.2	60.30	46.00	34.90	4.45	2.97 – 3.33
1 1/4" - 300 #	82.60	60.30	44.50	34.90	4.45	2.97 – 3.33
1 1/4" - 400 #	82.60	60.30	44.50	34.90	4.45	2.97 – 3.33
1 1/4" - 600 #	82.60	60.30	44.50	34.90	4.45	2.97 – 3.33
1 1/4" - 900 #	88.90	60.30	44.50	34.90	4.45	2.97 – 3.33
1 1/4" - 1500 #	88.90	60.30	44.50	34.90	4.45	2.97 – 3.33
1 1/4" - 2500 #	104.80	60.30	39.70	34.90	4.45	2.97 – 3.33
1 1/2" - 150 #	85.7	69.90	54.00	41.30	4.45	2.97 – 3.33
1 1/2" - 300 #	95.30	69.90	50.80	41.30	4.45	2.97 – 3.33
1 1/2" - 400 #	95.30	69.90	50.80	41.30	4.45	2.97 – 3.33
1 1/2" - 600 #	95.30	69.90	50.80	41.30	4.45	2.97 – 3.33
1 1/2" - 900 #	98.40	69.90	50.80	41.30	4.45	2.97 – 3.33
1 1/2" - 1500 #	98.40	69.90	50.80	41.30	4.45	2.97 – 3.33
1 1/2" - 2500 #	117.50	69.90	47.60	41.30	4.45	2.97 – 3.33
2" - 150 #	104.8	85.70	69.90	52.40	4.45	2.97 – 3.33
2" - 300 #	111.10	85.70	66.70	52.40	4.45	2.97 – 3.33
2" - 400 #	111.10	85.70	66.70	52.40	4.45	2.97 – 3.33
2" - 600 #	111.10	85.70	66.70	52.40	4.45	2.97 – 3.33
2" - 900 #	142.90	85.70	66.70	52.40	4.45	2.97 – 3.33

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	d4	d3	d2	d1	t	t1
2" - 1500 #	142.90	85.70	66.70	52.40	4.45	2.97 – 3.33
2" - 2500 #	146.10	85.70	58.70	52.40	4.45	2.97 – 3.33
2 1/2" - 150 #	123.8	98.40	82.60	63.50	4.45	2.97 – 3.33
2 1/2" - 300 #	130.20	98.40	79.40	63.50	4.45	2.97 – 3.33
2 1/2" - 400 #	130.20	98.40	79.40	63.50	4.45	2.97 – 3.33
2 1/2" - 600 #	130.20	98.40	79.40	63.50	4.45	2.97 – 3.33
2 1/2" - 900 #	165.10	98.40	79.40	63.50	4.45	2.97 – 3.33
2 1/2" - 1500 #	165.10	98.40	79.40	63.50	4.45	2.97 – 3.33
2 1/2" - 2500 #	168.30	98.40	69.90	63.50	4.45	2.97 – 3.33
3" - 150 #	136.5	120.70	101.60	77.80	4.45	2.97 – 3.33
3" - 300 #	149.20	120.70	95.30	77.80	4.45	2.97 – 3.33
3" - 400 #	149.20	120.70	95.30	77.80	4.45	2.97 – 3.33
3" - 600 #	149.20	120.70	95.30	77.80	4.45	2.97 – 3.33
3" - 900 #	168.30	120.70	95.30	77.80	4.45	2.97 – 3.33
3" - 1500 #	174.60	120.70	95.30	77.80	4.45	2.97 – 3.33
3" - 2500 #	196.90	120.70	92.10	77.80	4.45	2.97 – 3.33
3 1/2" - 150 #	161.9	133.40	114.30	90.50	4.45	2.97 – 3.33
3 1/2" - 300 #	165.10	133.40	108.00	90.50	4.45	2.97 – 3.33
3 1/2" - 400 #	161.90	133.40	108.00	90.50	4.45	2.97 – 3.33
3 1/2" - 600 #	161.90	133.40	108.00	90.50	4.45	2.97 – 3.33
3 1/2" - 900 #	-	133.40	108.00	90.50	4.45	2.97 – 3.33
3 1/2" - 1500 #	-	133.40	108.00	90.50	4.45	2.97 – 3.33
3 1/2" - 2500 #	-	-	-	-	4.45	2.97 – 3.33
4" - 150 #	174.6	149.2	127.00	103.20	4.45	2.97 – 3.33
4" - 300 #	181.00	149.2	127.00	103.20	4.45	2.97 – 3.33
4" - 400 #	177.80	149.2	127.00	103.20	4.45	2.97 – 3.33
4" - 600 #	193.70	149.2	127.00	103.20	4.45	2.97 – 3.33
4" - 900 #	206.40	149.2	127.00	103.20	4.45	2.97 – 3.33
4" - 1500 #	209.60	149.2	127.00	103.20	4.45	2.97 – 3.33
4" - 2500 #	235.00	149.2	127.00	103.20	4.45	2.97 – 3.33
4 1/2 " - 150 #	177.80	165.10	141.30	115.90	4.45	2.97 – 3.33
4 1/2 " - 300 #	196.90	165.10	134.90	115.90	4.45	2.97 – 3.33
4 1/2 " - 400 #	-	165.10	134.90	115.90	4.45	2.97 – 3.33
4 1/2 " - 600 #	-	165.10	134.90	115.90	4.45	2.97 – 3.33
4 1/2 " - 900 #	-	165.10	134.90	115.90	4.45	2.97 – 3.33
4 1/2 " - 1500 #	-	165.10	134.90	115.90	4.45	2.97 – 3.33
4 1/2 " - 2500 #	-	-	-	-	4.45	2.97 – 3.33
5" - 150 #	196.9	177.80	154.00	128.60	4.45	2.97 – 3.33
5" - 300 #	215.90	177.80	147.60	128.60	4.45	2.97 – 3.33
5" - 400 #	212.70	177.80	147.60	128.60	4.45	2.97 – 3.33
5" - 600 #	241.30	177.80	147.60	128.60	4.45	2.97 – 3.33
5" - 900 #	247.70	177.80	147.60	128.60	4.45	2.97 – 3.33
5" - 1500 #	254.00	177.80	147.60	128.60	4.45	2.97 – 3.33
5" - 2500 #	279.40	177.80	147.60	128.60	4.45	2.97 – 3.33
6" - 150 #	222.3	209.60	181.00	154.00	4.45	2.97 – 3.33
6" - 300 #	250.80	209.60	174.60	154.00	4.45	2.97 – 3.33
6" - 400 #	247.70	209.60	174.60	154.00	4.45	2.97 – 3.33
6" - 600 #	266.70	209.60	174.60	154.00	4.45	2.97 – 3.33
6" - 900 #	288.90	209.60	174.60	154.00	4.45	2.97 – 3.33
6" - 1500 #	282.60	209.60	174.60	154.00	4.45	2.97 – 3.33
6" - 2500 #	317.50	209.60	174.60	154.00	4.45	2.97 – 3.33
8" - 150 #	279.4	263.50	231.80	203.20	4.45	2.97 – 3.33
8" - 300 #	308.00	263.50	225.40	203.20	4.45	2.97 – 3.33
8" - 400 #	304.80	263.50	225.40	203.20	4.45	2.97 – 3.33
8" - 600 #	320.70	263.50	225.40	203.20	4.45	2.97 – 3.33
8" - 900 #	358.80	263.50	225.40	203.20	4.45	2.97 – 3.33
8" - 1500 #	352.40	263.50	225.40	203.20	4.45	2.97 – 3.33
8" - 2500 #	387.40	263.50	225.40	203.20	4.45	2.97 – 3.33
10" - 150 #	339.7	317.50	287.30	254.00	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
10" - 300 #	362.00	317.50	281.00	254.00	4.45	2.97 – 3.33
10" - 400 #	358.80	317.50	281.00	254.00	4.45	2.97 – 3.33
10" - 600 #	400.10	317.50	281.00	254.00	4.45	2.97 – 3.33
10" - 900 #	435.00	317.50	281.00	254.00	4.45	2.97 – 3.33
10" - 1500 #	435.00	317.50	281.00	254.00	4.45	2.97 – 3.33
10" - 2500 #	476.30	317.50	281.00	254.00	4.45	2.97 – 3.33
12" - 150 #	409.6	374.70	339.70	303.20	4.45	2.97 – 3.33
12" - 300 #	422.30	374.70	333.40	303.20	4.45	2.97 – 3.33
12" - 400 #	419.10	374.70	333.40	303.20	4.45	2.97 – 3.33
12" - 600 #	457.20	374.70	333.40	303.20	4.45	2.97 – 3.33
12" - 900 #	498.50	374.70	333.40	303.20	4.45	2.97 – 3.33
12" - 1500 #	520.70	374.70	333.40	303.20	4.45	2.97 – 3.33
12" - 2500 #	549.30	374.70	333.40	303.20	4.45	2.97 – 3.33
14" - 150 #	450.9	406.40	371.50	342.90	4.45	2.97 – 3.33
14" - 300 #	485.80	406.40	365.10	342.90	4.45	2.97 – 3.33
14" - 400 #	482.60	406.40	365.10	342.90	4.45	2.97 – 3.33
14" - 600 #	492.10	406.40	365.10	342.90	4.45	2.97 – 3.33
14" - 900 #	520.70	406.40	365.10	342.90	4.45	2.97 – 3.33
14" - 1500 #	577.90	406.40	365.10	342.90	4.45	2.97 – 3.33
16" - 150 #	514.4	463.60	422.30	393.70	4.45	2.97 – 3.33
16" - 300 #	539.80	463.60	415.90	393.70	4.45	2.97 – 3.33
16" - 400 #	536.60	463.60	415.90	393.70	4.45	2.97 – 3.33
16" - 600 #	565.20	463.60	415.90	393.70	4.45	2.97 – 3.33
16" - 900 #	574.70	463.60	415.90	393.70	4.45	2.97 – 3.33
16" - 1500 #	641.40	463.60	415.90	393.70	4.45	2.97 – 3.33
18" - 150 #	549.3	527.10	476.30	444.50	4.45	2.97 – 3.33
18" - 300 #	596.90	527.10	469.90	444.50	4.45	2.97 – 3.33
18" - 400 #	593.70	527.10	469.90	444.50	4.45	2.97 – 3.33
18" - 600 #	612.80	527.10	469.90	444.50	4.45	2.97 – 3.33
18" - 900 #	638.20	527.10	469.90	444.50	4.45	2.97 – 3.33
18" - 1500 #	704.90	527.10	469.90	444.50	4.45	2.97 – 3.33
20" - 150 #	606.4	577.90	527.10	495.30	4.45	2.97 – 3.33
20" - 300 #	654.10	577.90	520.70	495.30	4.45	2.97 – 3.33
20" - 400 #	647.70	577.90	520.70	495.30	4.45	2.97 – 3.33
20" - 600 #	682.60	577.90	520.70	495.30	4.45	2.97 – 3.33
20" - 900 #	698.50	577.90	520.70	495.30	4.45	2.97 – 3.33
20" - 1500 #	755.7	577.90	520.70	495.30	4.45	2.97 – 3.33
24" - 150 #	717.6	685.80	631.80	596.90	4.45	2.97 – 3.33
24" - 300 #	774.70	685.80	625.50	596.90	4.45	2.97 – 3.33
24" - 400 #	768.40	685.80	625.50	596.90	4.45	2.97 – 3.33
24" - 600 #	790.60	685.80	625.50	596.90	4.45	2.97 – 3.33
24" - 900 #	838.20	685.80	625.50	596.90	4.45	2.97 – 3.33
24" - 1500 #	901.70	685.80	625.50	596.90	4.45	2.97 – 3.33

Notes:

1. All dimensions are in mm.
2. The gasket thickness tolerance is ± 0.13 mm measured across the metallic portion of the gasket, not including the filler, which may protrude slightly beyond the metal.
3. The gasket outside diameter tolerance for NPS 1/4" through NPS 8" is ± 0.8 mm; for NPS 10" through NPS 24", +1.5 mm, -0.8 mm.
4. The gasket inside diameter tolerance for NPS 1/4" through NPS 8" is ± 0.4 mm; for NPS 10" through NPS 24", ± 0.8 mm.
5. The centering ring outside diameter tolerance is ± 0.8 mm.
6. The inner ring thickness shall be 2.97 mm to 3.33 mm (0.117 inch to 0.131 inch)
7. For sizes NPS 1/4" through NPS 3", the inner ring inside diameter tolerance is ± 0.8 mm (± 0.03 inch); for larger sizes, the inside diameter tolerance is ± 1.5 mm (± 0.06 inch).