

Dimensions of Spiral Wound Gaskets as per ASME B16.20:2017 to suit ASME B16.47:2017 Series A 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
26" - 150 #	774.70	704.90	673.10	654.10	4.45	2.97 - 3.33
26" - 300 #	835.10	736.60	685.80	654.10	4.45	2.97 - 3.33
26" - 400 #	831.90	736.60	685.80	660.40	4.45	2.97 - 3.33
26" - 600 #	866.90	736.60	685.80	647.70	4.45	2.97 - 3.33
26" - 900 #	882.70	736.60	685.80	660.40	4.45	2.97 - 3.33
28" - 150 #	831.90	755.70	723.90	704.90	4.45	2.97 - 3.33
28" - 300 #	898.70	787.40	736.60	704.90	4.45	2.97 - 3.33
28" - 400 #	892.30	787.40	736.60	711.20	4.45	2.97 - 3.33
28" - 600 #	914.40	787.40	736.60	698.50	4.45	2.97 - 3.33
28" - 900 #	946.20	787.40	736.60	711.20	4.45	2.97 - 3.33
30" - 150 #	882.70	806.50	774.70	755.70	4.45	2.97 - 3.33
30" - 300 #	952.50	844.60	793.80	755.70	4.45	2.97 - 3.33
30" - 400 #	946.20	844.60	793.80	755.70	4.45	2.97 - 3.33
30" - 600 #	971.60	844.60	793.80	755.70	4.45	2.97 - 3.33
30" - 900 #	1009.70	844.60	793.80	768.40	4.45	2.97 - 3.33
32" - 150 #	939.80	860.60	825.50	806.50	4.45	2.97 - 3.33
32" - 300 #	1006.60	901.70	850.90	806.50	4.45	2.97 - 3.33
32" - 400 #	1003.30	901.70	850.90	812.80	4.45	2.97 - 3.33
32" - 600 #	1022.40	901.70	850.90	812.80	4.45	2.97 - 3.33
32" - 900 #	1073.20	901.70	850.90	812.80	4.45	2.97 - 3.33
34" - 150 #	990.60	911.40	876.30	857.30	4.45	2.97 - 3.33
34" - 300 #	1057.40	952.50	901.70	857.30	4.45	2.97 - 3.33
34" - 400 #	1054.10	952.50	901.70	863.60	4.45	2.97 - 3.33
34" - 600 #	1073.20	952.50	901.70	863.60	4.45	2.97 - 3.33
34" - 900 #	1136.70	952.50	901.70	863.60	4.45	2.97 - 3.33
36" - 150 #	1047.80	968.50	927.10	908.10	4.45	2.97 - 3.33
36" - 300 #	1117.60	1006.60	955.80	908.10	4.45	2.97 - 3.33
36" - 400 #	1117.60	1006.60	955.80	917.70	4.45	2.97 - 3.33
36" - 600 #	1130.30	1006.60	955.80	917.70	4.45	2.97 - 3.33
36" - 900 #	1200.20	1009.70	958.90	920.80	4.45	2.97 - 3.33
38" - 150 #	1111.30	1019.30	977.90	958.90	4.45	2.97 - 3.33
38" - 300 #	1054.10	1016.00	977.90	952.50	4.45	2.97 - 3.33
38" - 400 #	1073.20	1022.40	971.60	952.50	4.45	2.97 - 3.33
38" - 600 #	1104.90	1041.40	990.60	952.50	4.45	2.97 - 3.33
38" - 900 #	1200.20	1085.90	1035.10	1009.70	4.45	2.97 - 3.33
40" - 150 #	1162.10	1070.10	1028.70	1009.70	4.45	2.97 - 3.33
40" - 300 #	1114.60	1070.10	1022.40	1003.30	4.45	2.97 - 3.33
40" - 400 #	1127.30	1076.50	1025.70	1000.30	4.45	2.97 - 3.33
40" - 600 #	1155.70	1098.60	1047.80	1009.70	4.45	2.97 - 3.33
40" - 900 #	1251.00	1149.40	1098.60	1060.50	4.45	2.97 - 3.33
42" - 150 #	1219.20	1124.00	1079.50	1060.50	4.45	2.97 - 3.33
42" - 300 #	1165.40	1120.90	1073.20	1054.10	4.45	2.97 - 3.33
42" - 400 #	1178.10	1127.30	1076.50	1051.10	4.45	2.97 - 3.33
42" - 600 #	1219.20	1155.70	1104.90	1066.80	4.45	2.97 - 3.33
42" - 900 #	1301.80	1200.20	1149.40	1111.30	4.45	2.97 - 3.33
44" - 150 #	1276.40	1178.10	1130.30	1111.30	4.45	2.97 - 3.33
44" - 300 #	1219.20	1181.10	1130.30	1104.90	4.45	2.97 - 3.33
44" - 400 #	1231.90	1181.10	1130.30	1104.90	4.45	2.97 - 3.33
44" - 600 #	1270.00	1212.90	1162.10	1111.30	4.45	2.97 - 3.33
44" - 900 #	1368.60	1257.30	1206.50	1155.70	4.45	2.97 - 3.33
46" - 150 #	1327.20	1228.90	1181.10	1162.10	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
46" - 300 #	1273.30	1228.90	1178.10	1152.70	4.45	2.97 – 3.33
46" - 400 #	1289.10	1244.60	1193.80	1168.40	4.45	2.97 – 3.33
46" - 600 #	1327.20	1263.70	1212.90	1162.10	4.45	2.97 – 3.33
46" - 900 #	1435.10	1320.80	1270.00	1219.20	4.45	2.97 – 3.33
48" - 150 #	1384.30	1279.70	1231.90	1212.90	4.45	2.97 – 3.33
48" - 300 #	1324.10	1286.00	1235.20	1209.80	4.45	2.97 – 3.33
48" - 400 #	1346.20	1295.40	1244.60	1206.50	4.45	2.97 – 3.33
48" - 600 #	1390.70	1320.80	1270.00	1219.20	4.45	2.97 – 3.33
48" - 900 #	1485.90	1371.60	1320.80	1270.00	4.45	2.97 – 3.33
50" - 150 #	1435.10	1333.50	1282.70	1263.70	4.45	2.97 – 3.33
50" - 300 #	1378.00	1346.20	1295.40	1244.60	4.45	2.97 – 3.33
50" - 400 #	1403.40	1346.20	1295.40	1257.30	4.45	2.97 – 3.33
50" - 600 #	1447.80	1371.60	1320.80	1270.00	4.45	2.97 – 3.33
52" - 150 #	1492.30	1384.30	1333.50	1314.50	4.45	2.97 – 3.33
52" - 300 #	1428.80	1397.00	1346.20	1320.80	4.45	2.97 – 3.33
52" - 400 #	1454.20	1397.00	1346.20	1308.10	4.45	2.97 – 3.33
52" - 600 #	1498.60	1422.40	1371.60	1320.80	4.45	2.97 – 3.33
54" - 150 #	1549.40	1435.10	1384.30	1358.90	4.45	2.97 – 3.33
54" - 300 #	1492.30	1454.20	1403.40	1352.60	4.45	2.97 – 3.33
54" - 400 #	1517.70	1454.20	1403.40	1352.60	4.45	2.97 – 3.33
54" - 600 #	1555.80	1479.60	1428.80	1378.00	4.45	2.97 – 3.33
56" - 150 #	1606.60	1485.90	1435.10	1409.70	4.45	2.97 – 3.33
56" - 300 #	1543.10	1505.00	1454.20	1403.40	4.45	2.97 – 3.33
56" - 400 #	1568.50	1505.00	1454.20	1403.40	4.45	2.97 – 3.33
56" - 600 #	1612.90	1530.40	1479.40	1428.80	4.45	2.97 – 3.33
58" - 150 #	1663.70	1536.70	1485.90	1460.50	4.45	2.97 – 3.33
58" - 300 #	1593.90	1562.10	1511.30	1447.80	4.45	2.97 – 3.33
58" - 400 #	1619.30	1555.80	1505.00	1454.20	4.45	2.97 – 3.33
58" - 600 #	1663.70	1587.50	1536.70	1473.20	4.45	2.97 – 3.33
60" - 150 #	1714.50	1587.50	1536.70	1511.30	4.45	2.97 – 3.33
60" - 300 #	1644.70	1612.90	1562.10	1524.00	4.45	2.97 – 3.33
60" - 400 #	1682.80	1619.30	1568.50	1517.70	4.45	2.97 – 3.33
60" - 600 #	1733.60	1644.70	1593.90	1530.40	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 inside diameter tolerance for NPS 26" through NPS 34" is ± 0.8 mm, and the tolerance for NPS 36" through NPS 60" is ± 1.5 mm
4. The gasket outside diameter tolerance for NPS 26" through NPS 60" is ± 1.5 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. The Inner Ring inside diameter tolerance for NPS 26" through NPS 60" is ± 3.0 mm (± 0.12 inch)
8. There are no Class 900 flanges NPS 50" and larger.