

Spiral Wound Gaskets dimensions - B16.47 Series A

Class 150				
NPS	Inner Ring	Sealing Element		Outer Ring
	Inside (d1) Dia.	Inside (d2) Dia.	Outside (d3) Dia.	Outside (d4) Dia.
26	654.1	673.1	704.9	774.7
28	704.9	723.9	755.7	831.9
30	755.7	774.7	806.5	882.7
32	806.5	825.5	860.6	939.8
34	857.3	876.3	911.4	990.6
36	908.1	927.1	968.5	1047.8
38	958.9	977.9	1019.3	1111.3
40	1009.7	1028.7	1070.1	1162.1
42	1060.5	1079.5	1124	1219.2
44	1111.3	1130.3	1178.1	1276.4
46	1162.1	1181.1	1228.9	1327.2
48	1212.9	1231.9	1279.7	1384.3
50	1263.7	1282.7	1333.5	1435.1
52	1314.5	1333.5	1384.3	1492.3
54	1358.9	1384.3	1435.1	1549.4
56	1409.7	1435.1	1485.9	1606.6
58	1460.5	1485.9	1536.7	1663.7
60	1511.3	1536.7	1587.5	1714.5

Class 300				
NPS	Inner Ring	Sealing Element		Outer Ring
	Inside (d1) Dia.	Inside (d2) Dia.	Outside (d3) Dia.	Outside (d4) Dia.
26	654.1	685.8	736.6	835.2
28	704.9	736.6	787.4	898.7
30	755.7	793.8	844.6	952.5
32	806.5	850.9	901.7	1006.6
34	857.3	901.7	952.5	1057.4
36	908.1	955.8	1006.6	1117.6
38	952.5	977.9	1016	1054.1
40	1003.3	1022.4	1070.1	1114.6
42	1054.1	1073.2	1120.9	1165.4
44	1104.9	1130.3	1181.1	1219.2
46	1152.7	1178.1	1228.9	1273.3
48	1209.8	1235.2	1286	1324.1
50	1244.6	1295.4	1346.2	1378
52	1320.8	1346.2	1397	1428.8
54	1352.6	1403.4	1454.2	1492.3
56	1403.4	1454.2	1505	1543.1
58	1447.8	1511.3	1562.1	1593.9
60	1524	1562.1	1612.9	1644.7

Class 400				
NPS	Inner Ring	Sealing Element		Outer Ring
	Inside (d1) Dia.	Inside (d2) Dia.	Outside (d3) Dia.	Outside (d4) Dia.
26	660.4	685.8	736.6	891.9
28	711.2	736.6	787.4	892.3
30	755.7	793.8	844.6	946.2
32	812.8	850.9	901.7	1003.3
34	863.6	901.7	952.5	1054.1
36	917.7	955.8	1006.6	1117.6
38	952.5	971.6	1022.4	1073.2
40	1000.3	1025.7	1076.5	1127.3
42	1051.1	1076.5	1127.3	1178.1
44	1104.9	1130.3	1181.1	1231.9
46	1168.4	1193.8	1244.6	1289.1
48	1206.5	1244.6	1295.4	1346.2
50	1257.3	1295.4	1346.2	1403.4
52	1308.1	1346.2	1397	1454.2
54	1352.6	1403.4	1454.2	1517.7
56	1403.4	1454.2	1505	1568.5
58	1454.2	1505	1555.8	1619.3
60	1517.7	1568.5	1619.3	1682.8

Class 600				
NPS	Inner Ring	Sealing Element		Outer Ring
	Inside (d1) Dia.	Inside (d2) Dia.	Outside (d3) Dia.	Outside (d4) Dia.
26	647.7	685.8	736.6	866.9
28	698.5	736.6	787.4	914.4
30	755.7	793.8	844.6	971.6
32	812.8	850.9	901.7	1022.4
34	863.6	901.7	952.5	1073.2
36	917.7	955.8	1006.6	1130.3
38	952.5	990.6	1041.4	1104.9
40	1009.7	1047.8	1098.6	1155.7
42	1066.8	1104.9	1155.7	1219.2
44	1111.3	1162.1	1212.9	1270
46	1162.1	1212.9	1263.7	1327.2
48	1219.2	1270	1320.8	1390.7
50	1270	1320.8	1371.6	1447.8
52	1320.8	1371.6	1422.4	1498.6
54	1378	1428.8	1479.6	1555.8
56	1428.8	1479.6	1530.4	1612.9
58	1473.2	1536.7	1587.5	1663.7
60	1530.4	1593.9	1644.7	1733.6

Class 900				
NPS	Inner Ring	Sealing Element		Outer Ring
	Inside (d1) Dia.	Inside (d2) Dia.	Outside (d3) Dia.	Outside (d4) Dia.
26	660.4	685.8	736.6	882.7
28	711.2	736.6	787.4	946.2
30	768.4	793.8	844.6	1009.7
32	812.8	850.9	901.7	1073.2
34	863.6	901.7	952.5	1136.7
36	920.8	958.9	1009.7	1200.2
38	1009.7	1035.1	1085.9	1200.2
40	1060.5	1098.6	1149.4	1251
42	1111.3	1149.4	1200.2	1301.8
44	1155.7	1206.5	1257.3	1368.6
46	1219.2	1270	1320.8	1435.1
48	1270	1320.8	1371.6	1485.9

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.
- 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.
- 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 ± 1.3 mm.
- The gasket outside diameter tolerance for NPS 26 through NPS 60 is ± 1.5 mm.
- The centering ring outside diameter tolerance is ± 0.8 mm.
- The inside diameter tolerance is ± 3.0 mm.
- Thickness of inner and outer ring: 2.97 mm - 3.33 mm.
- ASME B16.47 Series A flanges NPS 12 through NPS 24 have the same raised face dimensions as ASME B16.5 flanges.
- There are no Class 900 flanges NPS 50 and larger.

