

Spiral Wound Gaskets dimensions - B16.47 Series B

Class 150					
NPS	d1	d2			
		Class 150	Class 300	Class 400	Class 600
26	660	725	772	746	765
28	711	776	826	800	819
30	762	827	886	857	879
32	813	881	940	911	933
34	864	935	994	962	997
36	914	987	1048	1022	1048
38	965	1045	1099	...	...
40	1016	1095	1149	...	...
42	1067	1146	1200	...	...
44	1118	1197	1251	...	...
46	1168	1256	1318	...	...
48	1219	1307	1368	...	...
50	1270	1357	1419	...	...
52	1321	1408	1470	...	...
54	1372	1464	1530	...	...
56	1422	1514	1594	...	...
58	1473	1580	1656	...	...
60	1524	1630	1705	...	...

Class 300				
NPS	Inner Ring	Sealing Element		Outer Ring
	Inside (d1) Dia.	Inside (d2) Dia.	Outside (d3) Dia.	Outside (d4) Dia.
26	654.1	673.1	711.2	771.7
28	704.9	723.9	762	825.5
30	755.7	774.7	812.8	886
32	806.5	825.5	863.6	939.8
34	857.3	876.3	914.4	993.9
36	908.1	927.1	965.2	1047.8
38	971.6	1009.7	1047.8	1098.6
40	1022.4	1060.5	1098.6	1149.4
42	1085.9	1111.3	1149.4	1200.2
44	1124	1162.1	1200.2	1251
46	1178.1	1216.2	1254.3	1317.8
48	1231.9	1263.7	1311.4	1368.6
50	1267	1317.8	1355.9	1419.4
52	1317.8	1368.6	1406.9	1470.2
54	1365.3	1403.4	1454.2	1530.4
56	1428.8	1479.6	1524	1593.9
58	1484.4	1535.2	1573.3	1655.8
60	1557.3	1589	1630.4	1706.6

Class 400				
NPS	Inner Ring	Sealing Element		Outer Ring
	Inside (d1) Dia.	Inside (d2) Dia.	Outside (d3) Dia.	Outside (d4) Dia.
26	654.1	666.8	698.5	746.3
28	701.8	714.5	749.3	800.1
30	752.6	765.3	806.5	857.3
32	800.1	812.8	860.6	911.4
34	850.9	866.9	911.4	962.2
36	898.7	917.7	965.2	1022.4
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	644.7	663.7	714.5	765.3
28	685.8	704.9	755.7	819.2
30	752.6	778	828.8	879.6
32	793.8	831.9	882.7	933.5
34	850.9	889	939.8	997
36	901.7	939.8	990.6	1047.8
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 600				
NPS	Inner Ring	Sealing Element		Outer Ring
	Inside (d1) Dia.	Inside (d2) Dia.	Outside (d3) Dia.	Outside (d4) Dia.
26	666.8	692.2	749.3	838.2
28	717.6	743	800.1	901.7
30	781.1	806.5	857.3	958.9
32	838.2	863.6	914.4	1016
34	895.4	920.8	971.6	1073.2
36	920.8	946.2	997	1124
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.

