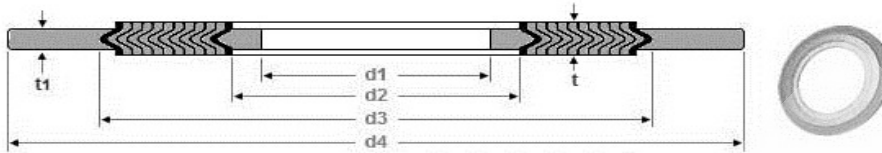


Dimensions of Spiral Wound Gaskets to suit for MSS SP44 Flange



Dimensions of Spiral Wound Gaskets to suit for MSS SP44 Flange.

| SIZE & RATING | OUTER RING OD | GASKET OD | GASKET ID | INNER RING ID | GASKET THICKNESS | RING THICKNESS |
|---------------|---------------|-----------|-----------|---------------|------------------|----------------|
|               | d4            | d3        | d2        | d1            | t                | t1             |
| 22" - 150 #   | 660.40        | 609.60    | 579.85    | 552.50        | 4.45             | 2.97 - 3.33    |
| 22" - 300 #   | 704.85        | 628.65    | 577.85    | 552.50        | 4.45             | 2.97 - 3.33    |
| 22" - 400 #   | 701.67        | 628.65    | 577.85    | 552.50        | 4.45             | 2.97 - 3.33    |
| 22" - 600 #   | 733.42        | 628.65    | 577.85    | 552.50        | 4.45             | 2.97 - 3.33    |
| 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    |

**Dimensions of Spiral Wound Gaskets to suit for MSS SP44 Flange.**

| SIZE & RATING | OUTER RING OD | GASKET OD | GASKET ID | INNER RING ID | GASKET THICKNESS | RING THICKNESS |
|---------------|---------------|-----------|-----------|---------------|------------------|----------------|
|               | d4            | d3        | d2        | d1            | t                | t1             |
| 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    |
| 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  $\pm 0.13$  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 22" through NPS 34" is  $\pm 0.8$  mm, and the tolerance for NPS 36" through NPS 60" is  $\pm 1.5$  mm
4. The gasket outside diameter tolerance for NPS 22" through NPS 60" is  $\pm 1.5$  mm.
5. The centering ring outside diameter tolerance is  $\pm 0.8$  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 22" through NPS 60" is  $\pm 3.0$  mm ( $\pm 0.12$  inch)
8. There are no Class 900 flanges NPS 50" and larger.