

dimensions of grooved Metal gaskets as Per ASMEB16.20 to suit ASMEB16.5 flange



NPS	Grooved Metal Core		Centering Ring OD (d3)						
	ID (d1)	OD (d2)	150 #	300 #	400 #	600 #	900 #	1500 #	2500 #
1/2"	23.10	33.30	47.80	54.10	Note (4)	54.10	Note (4)	63.50	69.90
3/4"	28.70	39.60	57.20	66.80	Note (4)	66.80	Note (4)	69.90	76.20
1"	36.60	47.50	66.80	73.20	Note (4)	73.20	Note (4)	79.50	85.90
1 1/4"	44.50	60.20	76.20	82.60	Note (4)	82.60	Note (4)	88.90	104.90
1 1/2"	52.30	69.90	85.90	95.30	Note (4)	95.30	Note (4)	98.60	117.60
2"	69.90	88.90	104.90	111.30	Note (4)	111.30	Note (4)	143.00	146.10
2 1/2"	82.60	101.60	124.00	130.30	Note (4)	130.30	Note (4)	165.10	168.40
3"	98.30	123.70	136.70	149.40	Note (4)	149.40	168.40	174.80	196.90
4"	123.70	153.90	174.80	181.10	177.80	193.80	206.50	209.60	235.00
5"	150.90	182.60	196.90	215.90	212.90	241.30	247.70	254.00	279.40
6"	177.80	212.60	222.30	251.00	247.70	266.70	289.10	282.70	317.50
8"	228.60	266.70	279.40	308.10	304.80	320.80	358.90	352.60	387.40
10"	282.70	320.80	339.90	362.00	358.90	400.10	435.10	435.10	476.30
12"	339.60	377.70	409.70	422.40	419.10	457.20	498.60	520.70	549.40
14"	371.60	409.70	450.90	485.90	482.60	492.30	520.70	577.90	Note (4)
16"	422.40	466.60	514.40	539.80	536.70	565.20	574.80	641.40	Note (4)
18"	479.30	530.10	549.40	596.90	593.90	612.90	638.30	704.90	Note (4)
20"	530.10	580.90	606.60	654.10	647.70	682.80	698.50	755.70	Note (4)
24"	631.70	682.50	717.60	774.70	768.40	790.70	838.20	901.70	Note (4)

Notes :

1. The Centering Ring thickness (t1) will be 1.60 mm unless specified by Purchaser.
2. The Grooved metal Core thickness will be 2.97 to 3.33 mm & Covering Layer thickness will be 0.46 to 0.56 mm unless specified by Purchaser.
3. Overall Gasket thickness will be 3.97 to 4.33 mm unless specified by Purchaser.
4. There are no Class 400 flanges in NPS 1/2 through 3 (use class 600), Class 900 flanges in NPS through 1/2 to 2-1/2 (use class 1500) and Class 2500 flanges NPS 14 and larger.

Dimensions of Grooved Metal Gaskets as Per ASMEB16.20 to Suit ASMEB16.47 Series A Flange															
NPS	Class 150			Class 300			Class 400			Class 600			Class 900		
	Groove Metal Core		Centering Ring OD (d3)	Groove Metal Core		Centering Ring OD (d3)	Groove Metal Core		Centering Ring OD (d3)	Groove Metal Core		Centering Ring OD (d3)	Groove Metal Core		Centering Ring OD (d3)
	ID (d1)	OD (d2)		ID (d1)	OD (d2)		ID (d1)	OD (d2)		ID (d1)	OD (d2)		ID (d1)	OD (d2)	
26"	673.1	704.9	774.7	685.8	736.6	835.2	685.8	736.6	831.9	685.8	736.6	866.9	685.8	736.6	882.7
28"	723.9	755.7	831.9	736.6	787.4	898.7	736.6	787.4	892.3	736.6	787.4	914.4	736.6	787.4	946.2
30"	774.7	806.5	882.7	793.8	844.6	952.5	793.8	844.6	946.2	793.8	844.6	971.6	793.8	844.6	1009.7
32"	825.5	860.6	939.8	850.9	901.7	1006.6	850.9	901.7	1003.3	850.9	901.7	1022.4	850.9	901.7	1073.2
34"	876.3	911.4	990.6	901.7	952.5	1057.4	901.7	952.5	1054.1	901.7	952.5	1073.2	901.7	952.5	1136.7
36"	927.1	968.5	1047.8	955.8	1006.6	1117.6	955.8	1006.6	1117.6	955.8	1006.6	1130.3	958.9	1009.7	1200.2
38"	977.9	1019.3	1111.3	977.9	1016.0	1054.1	971.6	1022.4	1073.2	990.60	1041.4	1104.9	1035.1	1085.9	1200.2
40"	1028.7	1070.1	1162.1	1022.4	1070.1	1114.6	1025.7	1076.5	1127.3	1047.8	1098.6	1155.7	1098.6	1149.4	1251.0
42"	1079.5	1124.0	1219.2	1073.2	1120.9	1165.4	1076.5	1127.3	1178.1	1104.9	1155.7	1219.2	1149.4	1200.2	1301.8
44"	1130.3	1178.1	1276.4	1130.3	1181.1	1219.2	1130.3	1181.1	1231.9	1162.1	1212.9	1270.0	1206.5	1257.3	1368.6
46"	1181.1	1228.9	1327.2	1178.1	1228.9	1273.3	1193.8	1244.6	1289.1	1212.9	1263.7	1327.2	1270.0	1320.8	1435.1
48"	1231.9	1279.7	1384.3	1235.2	1286.0	1324.1	1244.6	1295.4	1346.2	1270.0	1320.8	1390.7	1320.8	1371.6	1485.9
50"	1282.7	1333.5	1435.1	1295.4	1346.2	1378.0	1295.4	1346.2	1403.4	1320.8	1371.6	1447.8	Note (4)	Note (4)	Note (4)
52"	1333.5	1384.3	1492.3	1346.2	1397.0	1428.8	1346.2	1397.0	1454.2	1371.6	1422.4	1498.6	Note (4)	Note (4)	Note (4)
54"	1384.3	1435.1	1549.4	1403.4	1454.2	1492.3	1403.4	1454.2	1517.7	1428.8	1479.6	1555.8	Note (4)	Note (4)	Note (4)
56"	1435.1	1485.9	1606.6	1454.2	1505.0	1543.1	1454.2	1505.0	1568.5	1479.6	1530.4	1612.9	Note (4)	Note (4)	Note (4)
58"	1485.9	1536.7	1663.7	1511.3	1562.1	1593.9	1505.0	1555.8	1619.3	1536.7	1587.5	1663.7	Note (4)	Note (4)	Note (4)
60"	1536.7	1587.5	1714.5	1562.1	1612.9	1644.7	1568.5	1619.3	1682.8	1593.9	1644.7	1733.6	Note (4)	Note (4)	Note (4)

Notes :

- The Centering Ring thickness (t1) will be 1.60 mm unless specified by Purchaser.
- The Grooved metal Core thickness will be 2.97 to 3.33 mm & Covering Layer thickness will be 0.46 to 0.56 mm unless specified by Purchaser.
- Overall Gasket thickness will be 3.97 to 4.33 mm unless specified by Purchaser.
- There are no Class 900 flanges in NPS 50 and larger.

Dimensions of Grooved Metal Gaskets as Per ASMEB16.20 to Suit ASMEB16.47 Series B Flange

Dimensions of Grooved Metal Gaskets as Per ASMEB16.20 to Suit ASMEB16.47 Series B Flange															
NPS	Class 150			Class 300			Class 400			Class 600			Class 900		
	Groove Metal Core		Centering Ring OD (d3)	Groove Metal Core		Centering Ring OD (d3)	Groove Metal Core		Centering Ring OD (d3)	Groove Metal Core		Centering Ring OD (d3)	Groove Metal Core		Centering Ring OD (d3)
	ID (d1)	OD (d2)		ID (d1)	OD (d2)		ID (d1)	OD (d2)		ID (d1)	OD (d2)		ID (d1)	OD (d2)	
26"	673.1	698.5	725.4	673.1	711.2	771.2	666.8	698.5	746.3	663.7	714.5	765.3	692.2	749.3	838.2
28"	723.9	749.3	776.2	723.9	762.0	825.5	714.5	749.3	800.1	704.9	755.7	819.2	743.0	800.1	901.7
30"	774.7	800.1	827.0	774.7	812.8	886.0	765.3	806.5	857.3	778.0	828.8	879.6	806.5	857.3	958.9
32"	825.5	850.9	881.1	825.5	863.6	939.8	812.8	860.6	911.4	831.9	882.7	933.2	863.6	914.4	1016.0
34"	876.3	908.1	935.0	876.3	914.4	993.9	866.9	911.4	962.2	889.0	939.8	997.0	920.8	971.6	1073.2
36"	927.1	958.9	987.6	927.1	965.2	1047.8	917.7	965.2	1022.4	939.8	990.6	1047.8	946.2	997.0	1124.0
38"	974.9	1009.7	1044.7	1009.7	1047.8	1098.6	971.6	1022.4	1073.2	990.6	1041.4	1104.9	1035.1	1085.9	1200.2
40"	1022.4	1063.8	1095.5	1060.5	1098.6	1149.4	1025.7	1076.5	1127.3	1047.8	1098.6	1155.7	1098.6	1149.4	1251.0
42"	1079.5	1114.6	1146.3	1111.3	1149.4	1200.2	1076.5	1127.3	1178.1	1104.9	1155.7	1219.2	1149.4	1200.2	1301.8
44"	1124.0	1165.4	1197.1	1162.1	1200.2	1251.0	1130.3	1181.1	1231.9	1162.1	1212.9	1270.0	1206.5	1257.3	1368.6
46"	1181.1	1224.0	1255.8	1216.2	1254.3	1317.8	1193.8	1244.6	1289.1	1212.9	1263.7	1327.2	1270.0	1320.8	1435.1
48"	1231.9	1270.0	1306.6	1263.7	1311.4	1368.6	1244.6	1295.4	1346.2	1270.0	1320.8	1390.7	1320.8	1371.6	1485.9
50"	1282.7	1325.6	1357.4	1317.8	1355.9	1419.4	1295.4	1346.2	1403.4	1320.8	1371.6	1447.8	Note (4)	Note (4)	Note (4)
52"	1333.5	1376.4	1408.2	1368.6	1406.7	1470.2	1346.2	1397.0	1454.2	1371.6	1422.4	1498.6	Note (4)	Note (4)	Note (4)
54"	1384.3	1422.4	1463.8	1403.4	1454.2	1530.4	1403.4	1454.2	1517.7	1428.8	1479.6	1555.8	Note (4)	Note (4)	Note (4)
56"	1444.8	1478.0	1514.6	1479.6	1524.0	1593.9	1454.2	1505.0	1568.5	1479.6	1530.4	1612.9	Note (4)	Note (4)	Note (4)
58"	1500.6	1528.8	1579.6	1535.2	1573.3	1655.8	1505.0	1555.8	1619.3	1536.7	1587.5	1663.7	Note (4)	Note (4)	Note (4)
60"	1557.3	1586.0	1630.4	1589.0	1630.4	1706.6	1568.5	1619.3	1682.8	1593.9	1644.7	1733.6	Note (4)	Note (4)	Note (4)

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