



**Raised Face Soft Cut Joints to ASME B16.21  
To Suit ASME/ANSI B16.5 & BS1560 Flanges**

Nominal Bore	Inside Diameter (mm)	Outside Diameter			
		Class 150lb (mm)	Class 300lb (mm)	Class 600lb (mm)	Class 900lb (mm)
1/2"	21.4	47.6	54.0	54.0	63.5
3/4"	27.0	57.2	66.7	66.7	69.9
1"	33.3	66.7	73.0	73.0	79.4
1.1/4"	42.1	76.2	82.6	82.6	88.9
1.1/2"	48.4	85.7	95.3	95.3	98.4
2"	60.3	104.8	111.1	111.1	142.9
2.1/2"	73.0	123.8	130.2	130.2	165.1
3"	88.9	136.5	149.2	149.2	168.3
3.1/2"	101.6	161.9	165.1	161.9	n/a
4"	114.3	174.6	181.0	193.7	206.4
5"	141.3	196.9	215.9	241.3	247.7
6"	168.3	222.3	250.8	266.7	288.9
8"	219.1	279.4	308.0	320.7	358.8
10"	273.1	339.7	361.9	400.0	435.0
12"	323.9	409.6	422.3	457.2	498.5
14"	355.6	450.8	485.8	492.1	520.7
16"	406.4	514.3	539.7	565.1	574.7
18"	457.2	549.3	596.9	612.8	638.2
20"	508.0	606.4	654.0	682.6	698.5
24"	609.6	717.5	774.7	790.6	838.2

**Raised Face Soft Cut Joints to ASME B16.21  
To Suit MSS-SP44 (ASME B16.47 Series B)**

Nominal Bore	Inside Diameter (mm)	Outside Diameter			
		Class 75lb (mm)	Class 150lb (mm)	Class 300lb (mm)	Class 600lb (mm)
26"	660.4	708.2	725.4	771.7	765.3
28"	711.2	759.0	776.2	825.5	819.2
30"	762.0	809.8	827.0	886.0	879.6
32"	812.8	860.6	881.1	939.8	933.5
34"	836.6	911.4	935.0	993.9	997.0
36"	914.4	973.1	987.6	1047.8	1047.8
38"	965.2	1023.9	1044.7	1098.6	n/a
40"	1016.0	1074.7	1095.5	1149.4	n/a
42"	1066.8	1125.5	1146.3	1200.2	n/a
44"	1117.6	1181.1	1197.1	1251.0	n/a
46"	1168.4	1231.9	1255.8	1317.8	n/a
48"	1219.2	1282.7	1306.6	1368.6	n/a
50"	1270.0	1333.5	1357.4	1419.4	n/a
52"	1320.8	1387.6	1408.2	1470.2	n/a
54"	1371.6	1438.4	1463.8	1555.8	n/a
56"	1422.4	1495.6	1514.6	1593.9	n/a
58"	1473.2	1546.4	1579.6	1655.8	n/a
60"	1524.0	1597.2	1630.4	1705.1	n/a

**Raised Face Soft Cut Joints to ASME B16.21  
To Suit MSS-SP44 (ASME B16.47 Series A)**

Nominal Bore	Inside Diameter (mm)	Outside Diameter		
		Class 150lb (mm)	Class 300lb (mm)	Class 600lb (mm)
22"	558.8	660.4	704.9	733.6
26"	660.4	774.7	835.2	866.9
28"	711.2	831.8	898.7	914.4
30"	762.0	882.6	952.5	971.3
32"	812.8	939.8	1006.6	1022.4
34"	836.6	990.6	1057.4	1073.2
36"	914.4	1047.7	1117.6	1130.3
38"	965.2	1111.2	1054.1	1104.9
40"	1016.0	1162.1	1114.6	1155.7
42"	1066.8	1219.2	1165.4	1219.2
44"	1117.6	1276.4	1219.2	1270.0
46"	1168.4	1326.9	1273.3	1327.2
48"	1219.2	1327.2	1324.1	1390.7
50"	1270.0	1435.1	1378.0	1447.8
52"	1320.8	1492.3	1428.8	1498.6
54"	1371.6	1549.4	1492.3	1555.8
56"	1422.4	1606.6	1543.1	1612.9
58"	1473.2	1663.7	1593.9	1663.7
60"	1524.0	1714.5	1644.7	1720.9

**Notes**

Alba Gaskets Do Not Reccommend the Use of Soft Cut Joints above Class 300lb. Semi-Metallic Gaskets should be Used on Pressure Classes 600lb & Above.

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