



Operational Procedure - Rev 0

NWP 01 - Rev 1

BMS 26 - ASME B16.47 B (Formerly API 605)
Non – Metallic Gaskets Dimensions & Tolerances

Issued by:	A D Senior
Date:	1st Jan 2011
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Class 150Lb - Dimensions in millimetres

Nominal Bore	Flat Ring and Full Face Gasket		Flat Ring Gasket		Full Face gasket						
	Inner Diameter		Outer Diameter		Outer Diameter		Bolt Circle Diameter		Diameter of Holes		Number of Bolt Holes
	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	
26	26	660.4	28 9/16	725.5	30 15/16	785.8	7/8	22.2	29 5/16	744.5	36
28	28	711.2	30 9/16	776.3	32 15/16	836.6	7/8	22.2	31 5/16	795.3	40
30	30	762.0	32 9/16	827.1	34 15/16	887.4	7/8	22.2	33 5/16	846.1	44
32	32	812.8	34 11/16	881.1	37 1/16	941.4	7/8	22.2	35 7/16	900.1	48
34	34	863.6	36 13/16	935.0	39 9/16	1004.9	1	25.4	37 11/16	957.3	40
36	36	914.4	38 7/8	987.4	41 5/8	1057.3	1	25.4	39 3/4	1009.7	44
38	38	965.2	41 1/8	1044.6	44 1/4	1124.0	1 1/8	28.6	42 1/8	1070.0	40
40	40	1016.0	43 1/8	1095.4	46 1/4	1174.8	1 1/8	28.6	44 1/8	1120.8	44
42	42	1066.8	45 1/8	1146.2	48 1/4	1225.6	1 1/8	28.6	46 1/8	1171.6	48
44	44	1117.6	47 1/8	1197.0	50 1/4	1276.4	1 1/8	28.6	48 1/8	1222.4	52
46	46	1168.4	49 7/16	1255.7	52 13/16	1341.4	1 1/4	31.8	50 9/16	1284.3	40
48	48	1219.2	51 7/16	1306.5	54 13/16	1392.2	1 1/4	31.8	52 9/16	1335.1	44
50	50	1270.0	53 7/16	1357.3	56 13/16	1443.0	1 1/4	31.8	54 9/16	1385.9	48
52	52	1320.8	55 7/16	1408.1	58 13/16	1493.8	1 1/4	31.8	56 9/16	1436.7	52
54	54	1371.6	57 5/8	1463.7	61	1549.4	1 1/4	31.8	58 3/4	1492.3	56
56	56	1422.4	59 5/8	1514.5	63	1600.2	1 1/4	31.8	60 3/4	1543.1	60
58	58	1473.2	62 3/16	1579.6	65 15/16	1674.8	1 3/8	34.9	63 7/16	1611.3	48
60	60	1524.0	64 3/16	1630.4	67 15/16	1725.6	1 3/8	34.9	65 7/16	1662.1	52
26	26	660.4	28 9/16	725.5	30 15/16	785.8	7/8	22.2	29 5/16	744.5	36

Class 300Lb - Dimensions in millimetres

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Nominal Bore	Flat Ring and Full Face Gasket		Flat Ring Gasket		Full Face gasket						Number of Bolt Holes
	Inner Diameter		Outer Diameter		Outer Diameter		Bolt Circle Diameter		Diameter of Holes		
	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	
26	26	660.4	30 3/8	771.5	34 1/8	866.8	1 3/8	34.9	31 5/8	803.3	32
28	28	711.2	32 1/2	825.5	36 1/4	920.8	1 3/8	34.9	33 3/4	857.3	36
30	30	762.0	34 7/8	885.8	39	990.6	1 1/2	38.1	36 1/4	920.8	36
32	32	812.8	37	939.8	41 1/2	1054.1	1 5/8	41.3	38 1/2	977.9	32
34	34	863.6	39 1/8	993.8	43 5/8	1108.1	1 5/8	41.3	40 5/8	1031.9	36
36	36	914.4	41 1/4	1047.8	46 1/8	1171.6	1 3/4	44.5	42 7/8	1089.0	32
38	38	965.2	43 1/4	1098.6	48 1/8	1222.4	1 3/4	44.5	44 7/8	1139.8	36
40	40	1016.0	45 1/4	1149.4	50 1/8	1273.2	1 3/4	44.5	46 7/8	1190.6	40
42	42	1066.8	47 1/4	1200.2	52 1/2	1333.5	1 7/8	47.6	49	1244.6	36
44	44	1117.6	49 1/4	1251.0	54 1/2	1384.3	1 7/8	47.6	51	1295.4	40
46	46	1168.4	51 7/8	1317.6	57 1/2	1460.5	2	50.8	53 3/4	1365.3	36
48	48	1219.2	53 7/8	1368.4	59 1/2	1511.3	2	50.8	55 3/4	1416.1	40
50	50	1270.0	55 7/8	1419.2	61 1/2	1562.1	2	50.8	57 3/4	1466.9	44
52	52	1320.8	57 7/8	1470.0	63 1/2	1612.9	2	50.8	59 3/4	1517.7	48
54	54	1371.6	61 1/4	1555.8	65 7/8	1673.2	2	50.8	62 1/8	1578.0	48
56	56	1422.4	62 3/4	1593.9	69 1/2	1765.3	2 3/8	60.3	65	1651.0	36
58	58	1473.2	65 7/8	1673.2	71 15/16	1827.2	2 3/8	60.3	67 7/16	1712.9	40
60	60	1524.0	67 1/8	1705.0	73 15/16	1878.0	2 3/8	60.3	69 7/16	1763.7	40
26	26	660.4	30 3/8	771.5	34 1/8	866.8	1 3/8	34.9	31 5/8	803.3	32

Class 600Lb - Dimensions in millimetres

	Flat Ring and Full Face Gasket	Flat Ring Gasket	Full Face gasket
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Nominal Bore	Inner Diameter		Outer Diameter		Outer Diameter		Bolt Circle Diameter		Diameter of Holes		Number of Bolt Holes
	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	
26	26	660.4	30 1/8	765.2	35	889.0	1 3/4	44.5	31 3/4	806.5	28
28	28	711.2	32 1/4	819.2	37 1/2	952.5	1 7/8	47.6	34	863.6	28
30	30	762.0	34 5/8	879.5	40 1/4	1022.4	2	50.8	36 1/2	927.1	28
32	32	812.8	36 3/4	933.5	42 3/4	1085.9	2 1/8	54.0	38 3/4	984.3	28
34	34	863.6	39 1/4	997.0	45 3/4	1162.1	2 3/8	60.3	41 1/2	1054.1	24
36	36	914.4	41 1/4	1047.8	47 3/4	1212.9	2 3/8	60.3	43 1/2	1104.9	28

Unless otherwise specified on the works order, tolerances shall be in accordance as follows:

- i.e. Outside Diameter > NPS 600mm - + 0 / - 3.00 mm
- Inside Diameter > NPS 600mm - + / - 1.50 mm
- Bolt circle diameter + / - 1.50 mm
- Centre to centre of adjacent bolt holes + / - 0.76 mm