

BMS 11 - BS 10 SG SWG Dimensional Tables & Tolerances
 For Welded Neck & Slip On Flanges
 (Tables D, E, S & T)

Issued by:

A D Senior

Date:

1st Jan 2011

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Dimensions are in Millimetres

Nominal Pipe Size	SEALING ELEMENT		CENTERING RING O / D	
	I / D	O / D	TABLE D	TABLE E
1 / 2"	26.2	37.3	54.0	54.0
3 / 4"	31.8	42.9	60.3	60.3
1"	39.7	52.4	69.9	69.9
1 1/4"	47.6	60.3	74.6	74.6
1 1/2"	54.0	66.7	85.8	85.8
2"	66.7	79.4	98.5	98.5
2 1/2"	82.6	98.5	111.2	111.2
3"	96.9	112.8	130.2	130.2
3 1/2"	109.6	125.5	149.3	149.3
4"	123.9	139.7	161.9	161.9
4 1/2"	136.6	152.4	174.6	174.6
5"	149.2	165.1	193.6	193.6
6"	174.6	190.5	219.0	215.9
7"	200.0	219.0	244.5	241.3
8"	225.4	244.5	276.2	273.0
9"	250.8	269.9	308.0	304.8
10"	276.3	295.3	336.6	336.6
11"	301.6	320.7	362.0	362.0
12"	327.0	349.3	387.4	384.2
13"	368.3	390.6	419.1	415.9
14"	393.7	416.0	447.7	447.7
15"	419.1	441.3	473.0	473.0
16"	444.5	466.7	498.5	498.5
17"	473.0	498.5	530.3	527.0
18"	498.5	523.9	562.0	562.0
19"	523.9	549.3	587.4	587.4
20"	549.3	574.7	619.2	619.2
21"	574.7	603.3	651.0	647.7
22"	600.0	628.7	673.1	673.1
23"	625.5	654.0	698.5	698.5
24"	650.9	679.5	730.3	728.7

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NOM PIPE SIZE	SEALING ELEMENT		CENTERING RING O / D				
	I / D	O / D	TABLE F	TABLE H	TABLE J	TABLE K	TABLE R
1 / 2"	26.2	38.9	54.0	66.7	66.7	66.7	66.7
3 / 4"	31.8	44.5	60.3	66.7	66.7	66.7	66.7
1"	39.7	55.6	71.5	71.5	71.5	79.4	79.4
1 1/4"	47.6	63.5	82.6	82.6	82.6	82.6	82.6
1 1/2"	54.0	69.9	88.9	88.9	88.9	95.3	95.3
2"	66.7	82.6	111.2	111.2	108.0	111.2	111.2
2 1/2"	82.6	101.6	130.2	130.2	127.0	127.0	127.0
3"	96.9	115.9	149.3	149.3	146.0	146.0	146.0
3 1/2"	109.6	128.6	162.0	162.0	158.9	162.0	162.0
4"	123.9	142.9	174.7	174.7	171.5	174.7	174.7
4 1/2"	136.6	158.9	190.5	190.5	187.4	187.4	187.4
5"	149.2	171.5	215.9	215.9	212.8	212.8	212.8
6"	174.6	196.9	241.3	241.3	238.2	238.2	238.2
7"	200.0	225.4	273.0	273.0	269.9	266.7	266.7
8"	225.4	250.9	304.8	304.8	301.7	292.1	298.5
9"	250.8	276.3	333.4	333.4	330.2	330.2	330.2
10"	279.4	304.8	358.8	358.8	355.6	355.6	362.0
11"	304.8	330.2	384.2	384.2	381.0	384.2	403.3
12"	330.2	358.7	416.0	416.0	412.8	403.3	428.7
13"	362.0	390.6	444.5	444.5	441.4	451.0	463.6
14"	387.4	415.9	470.0	470.0	466.8	476.3	495.3
15"	412.8	441.4	495.3	495.3	492.2	508.0	520.7
16"	444.5	476.3	527.0	527.0	523.9	533.4	552.5
17"	469.9	504.9	558.8	558.8	555.7	565.2	577.9
18"	495.3	530.3	581.0	581.0	577.9	619.2	638.2
19"	523.9	562.0	612.3	612.3	609.6	-	-
20"	549.3	587.4	644.6	644.6	641.4	673.1	692.2
21"	574.7	619.2	670.0	670.0	666.8	-	-
22"	600.0	644.5	695.4	695.4	692.2	730.3	755.7
23"	625.5	670.0	723.9	723.9	720.8	-	-
24"	651.0	695.4	749.3	749.3	746.1	-	-

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NOMINAL PIPE SIZE	BS 10: 1931		BS 10: 1962		Centering Ring
	Flanges		Flat and Extended Raised Face Flanges		
	Sealing	Element	Sealing	Element	O / D
	I / D	O / D	I / D	O / D	TABLE S
½"	19.1	31.8	19.1	31.8	69.9
¾"	25.4	39.7	25.4	39.7	69.9
1"	31.8	47.6	31.8	47.6	82.6
1 1/4"	38.1	55.6	38.1	55.6	88.9
1 1/2"	44.5	63.5	44.5	63.5	101.6
2"	57.2	76.2	57.2	79.4	114.3
2 1/2"	69.9	88.9	73.0	95.3	127.0
3"	82.6	101.6	85.7	108.0	142.9
3 1/2"	95.3	114.3	98.4	120.7	168.3
4"	108.0	127.0	111.1	136.5	177.8
4 1/2"	120.7	139.7	123.8	149.2	190.5
5"	133.4	152.4	136.5	161.9	212.7
6"	158.8	177.8	161.9	187.3	247.7
7"	187.3	209.6	187.3	219.1	288.9
8"	212.7	235.0	212.7	244.5	323.9
9"	238.1	260.4	241.3	273.1	358.8
10"	263.5	285.8	266.7	301.6	393.7
11" (12 3/4 O/D Pipe)	288.9	317.5	292.1	327.0	435.0
12" (14 " " " ")	314.3	346.1	320.7	355.6	469.9
13" (15 " " " ")	339.7	371.5	346.1	384.2	501.7
14" (16 " " " ")	365.1	400.1	371.5	409.6	539.8
15" (17 " " " ")	390.5	428.6	400.1	438.2	581.0
16" (18 " " " ")	415.9	454.0	425.5	466.7	616.0

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NOMINAL PIPE ---	Sealing Element	Centering Ring O / D
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SIZE	I / D	O / D	TABLE T
1/2"	19.1	31.8	82.6
3/4"	25.4	39.7	82.6
1"	31.8	47.6	88.9
1 ¼"	41.3	58.8	98.4
1 ½"	47.6	66.7	114.3
2"	60.3	82.6	127.0
2 ½"	76.2	98.4	142.9
3"	88.9	114.3	165.1
3 ½"	101.6	130.2	187.3
4"	114.3	142.9	206.4
4 ½"	127.0	158.8	228.6
5"	139.7	171.5	244.5
6"	165.1	196.9	285.8
7"	190.5	228.6	333.4
8"	215.9	254.0	368.3
9"	244.5	285.8	409.6
10"	269.9	311.2	450.9
11"	295.3	336.6	489.0
12"	323.9	368.3	527.1
13"	349.3	393.7	558.8

Tolerances - BS 10 - In Millimetres

CENTERING RING			SEALING ELEMENT		
O/D	I/D	THK	O/D	I/D	THK

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	<p align="center">Operational Procedure - Rev 0</p>	<p align="right">NWP 01 - Rev 1</p>
<p align="center">BMS 11 - BS 10 SG SWG Dimensional Tables & Tolerances For Welded Neck & Slip On Flanges (Tables D, E, S & T)</p>	<p>Issued by:</p>	<p>A D Senior</p>
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<p align="center">+ 0 - 0.8</p>	<p align="center">+ 0 - 0.8</p>	<p align="center">3.2 + 0.25 3.2 - 0.10</p>	<p align="center">+ 0 - 0.8</p>	<p align="center">+ 0.4 - 0</p>	<p align="center">4.5 + 0.25 4.5 - 0</p>
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