

Pipe joints to BS 10					(i) Table A						
Nominal Pipe Size (Inches)	Gasket Inside Diameter		IBC Gasket Outside Diameter		Full Face Gasket Outside Diameter		Diameter of Bolt Holes		Number of Bolt Holes	Bolt circle diameter	
	Inches	mm	Inches	mm	Inches	mm	Inches	mm		Inches	mm
1/2	27/32	21.4	2 1/16	52.4	3 3/4	95.3	9/16	14.3	4	2 5/8	66.7
3/4	1 1/16	27.0	2 5/16	58.7	4	101.6	9/16	14.3	4	2 7/8	73.0
1	1 11/32	34.1	2 11/16	68.3	4 1/2	114.3	9/16	14.3	4	3 1/4	82.6
1 1/4	1 11/16	42.9	2 7/8	73.0	4 3/4	120.7	9/16	14.3	4	3 7/16	87.3
1 1/2	1 29/32	48.4	3 5/16	84.1	5 1/4	133.4	9/16	14.3	4	3 7/8	98.4
2	2 3/8	60.3	3 13/16	96.8	6	152.4	11/16	17.5	4	4 1/2	114.3
2 1/2	3	76.2	4 5/16	109.5	6 1/2	165.1	11/16	17.5	4	5	127.0
3	3 1/2	88.9	5 1/16	128.6	7 1/4	184.2	11/16	17.5	4	5 3/4	146.1
3 1/2	4	101.6	5 13/16	147.6	8	203.2	11/16	17.5	4	6 1/2	165.1
4	4 1/2	114.3	6 5/16	160.3	8 1/2	215.9	11/16	17.5	4	7	177.8
5	5 1/2	139.7	7 9/16	192.1	10	254.0	11/16	17.5	4	8 1/4	209.6
6	6 5/8	168.3	8 9/16	217.5	11	279.4	11/16	17.5	4	9 1/4	235.0
7	7 5/8	193.7	9 9/16	242.9	12	304.8	11/16	17.5	8	10 1/4	260.4
8	8 5/8	219.1	10	274.6	13 1/4	336.6	11/16	17.5	8	11 1/2	292.1
9	9 5/8	244.5	12 1/16	306.4	14 1/2	368.3	11/16	17.5	8	12 3/4	323.9
10	10 3/4	273.1	13 1/8	333.4	16	406.4	7/8	22.2	8	14	355.6
12	12 3/4	323.9	15 1/8	384.2	18	457.2	7/8	22.2	8	16	406.4
13	14	355.6	16 3/8	415.9	19 1/4	489.0	7/8	22.2	8	17 1/4	438.2
14	15	381.0	17 1/2	444.5	20 3/4	527.1	1	25.4	8	18 1/2	469.9
15	16	406.4	18 1/2	469.9	21 3/4	552.5	1	25.4	8	19 1/2	495.3
16	17	431.8	19 1/2	495.3	22 3/4	577.9	1	25.4	12	20 1/2	520.7
17	18	457.2	20 3/4	527.1	24	609.6	1	25.4	12	21 3/4	552.5
18	19	482.6	22	558.8	25 1/4	641.4	1	25.4	12	23	584.2
19	20	508.0	23	584.2	26 1/2	673.1	1	25.4	12	24	609.6
20	21	533.4	24 1/4	616.0	27 3/4	704.9	1	25.4	12	25 1/4	641.4
21	22	558.8	25 1/2	647.7	29	736.6	1	25.4	12	26 1/2	673.1
22	23	584.2	26 3/8	669.9	30	762.0	1 1/8	28.6	12	27 1/2	698.5
23	24	609.6	27 3/8	695.3	31	787.4	1 1/8	28.6	12	28 1/2	723.9
24	25	635.0	28 5/8	727.1	32 1/2	825.5	1 1/8	28.6	12	29 3/4	755.7

For sizes above 24" N.B. Please contact us.

All sizes stated are in good faith and have been checked, but final responsibility lies with the customer.

Pipe joints to BS 10					(ii) Table D						
Nominal Pipe Size (Inches)	Gasket Inside Diameter		IBC Gasket Outside Diameter		Full Face Gasket Outside Diameter		Diameter of Bolt Holes		Number of Bolt Holes	Bolt circle diameter	
	Inches	mm	Inches	mm	Inches	mm	Inches	mm		Inches	mm
1/2	27/32	21.4	2 1/16	52.4	3 3/4	95.3	9/16	14.3	4	2 5/8	66.7
3/4	1 1/16	27.0	2 5/16	58.7	4	101.6	9/16	14.3	4	2 7/8	73.0
1	1 11/32	34.1	2 11/16	68.3	4 1/2	114.3	9/16	14.3	4	3 1/4	82.6
1 1/4	1 11/16	42.9	2 7/8	73.0	4 3/4	120.7	9/16	14.3	4	3 7/16	87.3
1 1/2	1 29/32	48.4	3 5/16	84.1	5 1/4	133.4	9/16	14.3	4	3 7/8	98.4
2	2 3/8	60.3	3 13/16	96.8	6	152.4	11/16	17.5	4	4 1/2	114.3
2 1/2	3	76.2	4 5/16	109.5	6 1/2	165.1	11/16	17.5	4	5	127.0
3	3 1/2	88.9	5 1/16	128.6	7 1/4	184.2	11/16	17.5	4	5 3/4	146.1
3 1/2	4	101.6	5 13/16	147.6	8	203.2	11/16	17.5	4	6 1/2	165.1
4	4 1/2	114.3	6 5/16	160.3	8 1/2	215.9	11/16	17.5	4	7	177.8
5	5 1/2	139.7	7 9/16	192.1	10	254.0	11/16	17.5	8	8 1/4	209.6
6	6 5/8	168.3	8 9/16	217.5	11	279.4	11/16	17.5	8	9 1/4	235.0
7	7 5/8	193.7	9 9/16	242.9	12	304.8	11/16	17.5	8	10 1/4	260.4
8	8 5/8	219.1	10	274.6	13 1/4	336.6	11/16	17.5	8	11 1/2	292.1
9	9 5/8	244.5	12 1/16	306.4	14 1/2	368.3	11/16	17.5	8	12 3/4	323.9
10	10 3/4	273.1	13 1/8	333.4	16	406.4	7/8	22.2	8	14	355.6
12	12 3/4	323.9	15 1/8	384.2	18	457.2	7/8	22.2	12	16	406.4
13	14	355.6	16 3/8	415.9	19 1/4	489.0	7/8	22.2	12	17 1/4	438.2
14	15	381.0	17 1/2	444.5	20 3/4	527.1	1	25.4	12	18 1/2	469.9
15	16	406.4	18 1/2	469.9	21 3/4	552.5	1	25.4	12	19 1/2	495.3
16	17	431.8	19 1/2	495.3	22 3/4	577.9	1	25.4	12	20 1/2	520.7
17	18	457.2	20 3/4	527.1	24	609.6	1	25.4	12	21 3/4	552.5
18	19	482.6	22	558.8	25 1/4	641.4	1	25.4	12	23	584.2
19	20	508.0	23	584.2	26 1/2	673.1	1	25.4	12	24	609.6
20	21	533.4	24 1/4	616.0	27 3/4	704.9	1	25.4	16	25 1/4	641.4
21	22	558.8	25 1/2	647.7	29	736.6	1	25.4	16	26 1/2	673.1
22	23	584.2	26 3/8	669.9	30	762.0	1 1/8	28.6	16	27 1/2	698.5
23	24	609.6	27 3/8	695.3	31	787.4	1 1/8	28.6	16	28 1/2	723.9
24	25	635.0	28 5/8	727.1	32 1/2	825.5	1 1/8	28.6	16	29 3/4	755.7

For sizes above 24" N.B. Please contact us.

All sizes stated are in good faith and have been checked, but final responsibility lies with the customer.

Pipe joints to BS 10					(iii) Table E						
Nominal Pipe Size (Inches)	Gasket Inside Diameter		IBC Gasket Outside Diameter		Full Face Gasket Outside Diameter		Diameter of Bolt Holes		Number of Bolt Holes	Bolt circle diameter	
	Inches	mm	Inches	mm	Inches	mm	Inches	mm		Inches	mm
1/2	27/32	21.4	2 1/16	52.4	3 3/4	95.3	9/16	14.3	4	2 5/8	66.7
3/4	1 1/16	27.0	2 5/16	58.7	4	101.6	9/16	14.3	4	2 7/8	73.0
1	1 11/32	34.1	2 11/16	68.3	4 1/2	114.3	9/16	14.3	4	3 1/4	82.6
1 1/4	1 11/16	42.9	2 7/8	73.0	4 3/4	120.7	9/16	14.3	4	3 7/16	87.3
1 1/2	1 29/32	48.4	3 5/16	84.1	5 1/4	133.4	9/16	14.3	4	3 7/8	98.4
2	2 3/8	60.3	3 13/16	96.8	6	152.4	11/16	17.5	4	4 1/2	114.3
2 1/2	3	76.2	4 5/16	109.5	6 1/2	165.1	11/16	17.5	4	5	127.0
3	3 1/2	88.9	5 1/16	128.6	7 1/4	184.2	11/16	17.5	4	5 3/4	146.1
3 1/2	4	101.6	5 13/16	147.6	8	203.2	11/16	17.5	8	6 1/2	165.1
4	4 1/2	114.3	6 5/16	160.3	8 1/2	215.9	11/16	17.5	8	7	177.8
5	5 1/2	139.7	7 9/16	192.1	10	254.0	11/16	17.5	8	8 1/4	209.6
6	6 5/8	168.3	8 3/8	212.7	11	279.4	7/8	22.2	8	9 1/4	235.0
7	7 5/8	193.7	9 3/8	238.1	12	304.8	7/8	22.2	8	10 1/4	260.4
8	8 5/8	219.1	10 5/8	269.9	13 1/4	336.6	7/8	22.2	8	11 1/2	292.1
9	9 5/8	244.5	11 7/8	301.6	14 1/2	368.3	7/8	22.2	12	12 3/4	323.9
10	10 3/4	273.1	13 1/8	333.4	16	406.4	7/8	22.2	12	14	355.6
12	12 3/4	323.9	15	381.0	18	457.2	1	25.4	12	16	406.4
13	14	355.6	16 1/4	412.8	19 1/4	489.0	1	25.4	12	17 1/4	438.2
14	15	381.0	17 1/2	444.5	20 3/4	527.1	1	25.4	12	18 1/2	469.9
15	16	406.4	18 1/2	469.9	21 3/4	552.5	1	25.4	12	19 1/2	495.3
16	17	431.8	19 1/2	495.3	22 3/4	577.9	1	25.4	12	20 1/2	520.7
17	18	457.2	20 3/4	527.1	24	609.6	1	25.4	12	21 3/4	552.5
18	19	482.6	22	558.8	25 1/4	641.4	1	25.4	16	23	584.2
19	20	508.0	23	584.2	26 1/2	673.1	1	25.4	16	24	609.6
20	21	533.4	24 1/4	616.0	27 3/4	704.9	1	25.4	16	25 1/4	641.4
21	22	558.8	25 3/8	644.5	29	736.6	1 1/8	28.6	16	26 1/2	673.1
22	23	584.2	26 3/8	669.9	30	762.0	1 1/8	28.6	16	27 1/2	698.5
23	24	609.6	27 3/8	695.3	31	787.4	1 1/8	28.6	16	28 1/2	723.9
24	25	635.0	28 1/2	723.9	32 1/2	825.5	1 1/4	31.8	16	29 3/4	755.7

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Pipe joints to BS 10					(iv) Table F						
Nominal Pipe Size (Inches)	Gasket Inside Diameter		IBC Gasket Outside Diameter		Full Face Gasket Outside Diameter		Diameter of Bolt Holes		Number of Bolt Holes	Bolt circle diameter	
	Inches	mm	Inches	mm	Inches	mm	Inches	mm		Inches	mm
1/2	27/32	21.4	2 1/16	52.4	3 3/4	95.3	9/16	14.3	4	2 5/8	66.7
3/4	1 1/16	27.0	2 5/16	58.7	4	101.6	9/16	14.3	4	2 7/8	73.0
1	1 11/32	34.1	2 3/4	69.9	4 3/4	120.7	11/16	17.5	4	3 7/16	87.3
1 1/4	1 11/16	42.9	3 3/16	81.0	5 1/4	133.4	11/16	17.5	4	3 7/8	98.4
1 1/2	1 29/32	48.4	3 7/16	87.3	5 1/2	139.7	11/16	17.5	4	4 1/8	104.8
2	2 3/8	60.3	4 5/16	109.5	6 1/2	165.1	11/16	17.5	4	5	127.0
2 1/2	3	76.2	5 1/16	128.6	7 1/4	184.2	11/16	17.5	8	5 3/4	146.1
3	3 1/2	88.9	5 13/16	147.6	8	203.2	11/16	17.5	8	6 1/2	165.1
3 1/2	4	101.6	6 5/16	160.3	8 1/2	215.9	11/16	17.5	8	7	177.8
4	4 1/2	114.3	6 13/16	173.0	9	228.6	11/16	17.5	8	7 1/2	190.5
5	5 1/2	139.7	8 3/8	212.7	11	279.4	7/8	22.2	8	9 1/4	235.0
6	6 5/8	168.3	9 3/8	238.1	12	304.8	7/8	22.2	12	10 1/4	260.4
7	7 5/8	193.7	10 5/8	269.9	13 1/4	336.6	7/8	22.2	12	11 1/2	292.1
8	8 5/8	219.1	11 7/8	301.6	14 1/2	368.3	7/8	22.2	12	12 3/4	323.9
9	9 5/8	244.5	13	330.2	16	406.4	1	25.4	12	14	355.6
10	10 3/4	273.1	14	355.6	17	431.8	1	25.4	12	15	381.0
12	12 3/4	323.9	16 1/4	412.8	19 1/4	489.0	1	25.4	16	17 1/4	438.2
13	14	355.6	17 3/8	441.3	20 3/4	527.1	1 1/8	28.6	16	18 1/2	469.9
14	15	381.0	18 3/8	466.7	21 3/4	552.5	1 1/8	28.6	16	19 1/2	495.3
15	16	406.4	19 3/8	492.1	22 3/4	577.9	1 1/8	28.6	16	20 1/2	520.7
16	17	431.8	20 5/8	523.9	24	609.6	1 1/8	28.6	20	21 3/4	552.5
17	18	457.2	21 7/8	555.6	25 1/4	641.4	1 1/8	28.6	20	23	584.2
18	19	482.6	22 3/4	577.9	26 1/2	673.1	1 1/4	31.8	20	24	609.6
19	20	508.0	24	609.6	27 3/4	704.9	1 1/4	31.8	20	25 1/4	641.4
20	21	533.4	25 1/4	641.4	29	736.6	1 1/4	31.8	24	26 1/2	673.1
21	22	558.8	26 1/4	666.8	30	762.0	1 1/4	31.8	24	27 1/2	698.5
22	23	584.2	27 1/4	692.2	31	787.4	1 1/4	31.8	24	28 1/2	723.9
23	24	609.6	28 3/8	720.7	32 1/2	825.5	1 3/8	34.9	24	29 3/4	755.7
24	25	635.0	29 3/8	746.1	33 1/2	850.9	1 3/8	34.9	24	30 3/4	781.1

For sizes above 24" N.B. Please contact us.

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Pipe joints to BS 10					(v) Table H						
Nominal Pipe Size (Inches)	Gasket Inside Diameter		IBC Gasket Outside Diameter		Full Face Gasket Outside Diameter		Diameter of Bolt Holes		Number of Bolt Holes	Bolt circle diameter	
	Inches	mm	Inches	mm	Inches	mm	Inches	mm		Inches	mm
1/2	27/32	21.4	2 9/16	65.1	4 1/2	114.3	11/16	17.5	4	3 1/4	82.6
3/4	1 1/16	27.0	2 9/16	65.1	4 1/2	114.3	11/16	17.5	4	3 1/4	82.6
1	1 11/32	34.1	2 3/4	69.9	4 3/4	120.7	11/16	17.5	4	3 7/16	87.3
1 1/4	1 11/16	42.9	3 3/16	81.0	5 1/4	133.4	11/16	17.5	4	3 7/8	98.4
1 1/2	1 29/32	48.4	3 7/16	87.3	5 1/2	139.7	11/16	17.5	4	4 1/8	104.8
2	2 3/8	60.3	4 5/16	109.5	6 1/2	165.1	11/16	17.5	4	5	127.0
2 1/2	3	76.2	5 1/16	128.6	7 1/4	184.2	11/16	17.5	8	5 3/4	146.1
3	3 1/2	88.9	5 13/16	147.6	8	203.2	11/16	17.5	8	6 1/2	165.1
3 1/2	4	101.6	6 5/16	160.3	8 1/2	215.9	11/16	17.5	8	7	177.8
4	4 1/2	114.3	6 13/16	173.0	9	228.6	11/16	17.5	8	7 1/2	190.5
5	5 1/2	139.7	8 3/8	212.7	11	279.4	7/8	22.2	8	9 1/4	235.0
6	6 5/8	168.3	9 3/8	238.1	12	304.8	7/8	22.2	12	10 1/4	260.4
7	7 5/8	193.7	10 5/8	269.9	13 1/4	336.6	7/8	22.2	12	11 1/2	292.1
8	8 5/8	219.1	11 7/8	301.6	14 1/2	368.3	7/8	22.2	12	12 3/4	323.9
9	9 5/8	244.5	13	330.2	16	406.4	1	25.4	12	14	355.6
10	10 3/4	273.1	14	355.6	17	431.8	1	25.4	12	15	381.0
12	12 3/4	323.9	16 1/4	412.8	19 1/4	489.0	1	25.4	16	17 1/4	438.2
13	14	355.6	17 3/8	441.3	20 3/4	527.1	1 1/8	28.6	16	18 1/2	469.9
14	15	381.0	18 3/8	466.7	21 3/4	552.5	1 1/8	28.6	16	19 1/2	495.3
15	16	406.4	19 3/8	492.1	22 3/4	577.9	1 1/8	28.6	16	20 1/2	520.7
16	17	431.8	20 5/8	523.9	24	609.6	1 1/8	28.6	20	21 3/4	552.5
17	18	457.2	21 7/8	555.6	25 1/4	641.4	1 1/8	28.6	20	23	584.2
18	19	482.6	22 3/4	577.9	26 1/2	673.1	1 1/4	31.8	20	24	609.6
19	20	508.0	24	609.6	27 3/4	704.9	1 1/4	31.8	20	25 1/4	641.4
20	21	533.4	25 1/4	641.4	29	736.6	1 1/4	31.8	24	26 1/2	673.1
21	22	558.8	26 1/4	666.8	30	762.0	1 1/4	31.8	24	27 1/2	698.5
22	23	584.2	27 1/4	692.2	31	787.4	1 1/4	31.8	24	28 1/2	723.9
23	24	609.6	28 3/8	720.7	32 1/2	825.5	1 3/8	34.9	24	29 3/4	755.7
24	25	635.0	29 3/8	746.1	33 1/2	850.9	1 3/8	34.9	24	30 3/4	781.1

For sizes above 24" N.B. Please contact us.

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Pipe joints to BS 10					(vi) Table J						
Nominal Pipe Size (Inches)	Gasket Inside Diameter		IBC Gasket Outside Diameter		Full Face Gasket Outside Diameter		Diameter of Bolt Holes		Number of Bolt Holes	Bolt circle diameter	
	Inches	mm	Inches	mm	Inches	mm	Inches	mm		Inches	mm
1/2	27/32	21.4	2 9/16	65.1	4 1/2	114.3	11/16	17.5	4	3 1/4	82.6
3/4	1 1/16	27.0	2 9/16	65.1	4 1/2	114.3	11/16	17.5	4	3 1/4	82.6
1	1 11/32	34.1	2 3/4	69.9	4 3/4	120.7	11/16	17.5	4	3 7/16	87.3
1 1/4	1 11/16	42.9	3 3/16	81.0	5 1/4	133.4	11/16	17.5	4	3 7/8	98.4
1 1/2	1 29/32	48.4	3 7/16	87.3	5 1/2	139.7	11/16	17.5	4	4 1/8	104.8
2	2 3/8	60.3	4 1/8	104.8	6 1/2	165.1	7/8	22.2	4	5	127.0
2 1/2	3	76.2	4 7/8	123.8	7 1/4	184.2	7/8	22.2	8	5 3/4	146.1
3	3 1/2	88.9	5 5/8	142.9	8	203.2	7/8	22.2	8	6 1/2	165.1
3 1/2	4	101.6	6 1/8	155.6	8 1/2	215.9	7/8	22.2	8	7	177.8
4	4 1/2	114.3	6 5/8	168.3	9	228.6	7/8	22.2	8	7 1/2	190.5
5	5 1/2	139.7	8 1/4	209.6	11	279.4	1	25.4	8	9 1/4	235.0
6	6 5/8	168.3	9 1/4	235.0	12	304.8	1	25.4	12	10 1/4	260.4
7	7 5/8	193.7	10 1/2	266.7	13 1/4	336.6	1	25.4	12	11 1/2	292.1
8	8 5/8	219.1	11 3/4	298.5	14 1/2	368.3	1	25.4	12	12 3/4	323.9
9	9 5/8	244.5	12 7/8	327.0	16	406.4	1 1/8	28.6	12	14	355.6
10	10 3/4	273.1	13 7/8	352.4	17	431.8	1 1/8	28.6	12	15	381.0
12	12 3/4	323.9	16 1/8	409.6	19 1/4	489.0	1 1/8	28.6	16	17 1/4	438.2
13	14	355.6	17 1/4	438.2	20 3/4	527.1	1 1/4	31.8	16	18 1/2	469.9
14	15	381.0	18 1/4	463.6	21 3/4	552.5	1 1/4	31.8	16	19 1/2	495.3
15	16	406.4	19 1/4	489.0	22 3/4	577.9	1 1/4	31.8	16	20 1/2	520.7
16	17	431.8	20 1/2	520.7	24	609.6	1 1/4	31.8	20	21 3/4	552.5
17	18	457.2	21 3/4	552.5	25 1/4	641.4	1 1/4	31.8	20	23	584.2
18	19	482.6	22 5/8	574.7	26 1/2	673.1	1 3/8	34.9	20	24	609.6
19	20	508.0	23 7/8	606.4	27 3/4	704.9	1 3/8	34.9	20	25 1/4	641.4
20	21	533.4	25 1/8	638.2	29	736.6	1 3/8	34.9	24	26 1/2	673.1
21	22	558.8	26 1/8	663.6	30	762.0	1 3/8	34.9	24	27 1/2	698.5
22	23	584.2	27 1/8	689.0	31	787.4	1 3/8	34.9	24	28 1/2	723.9
23	24	609.6	28 1/4	717.6	32 1/2	825.5	1 1/2	38.1	24	29 3/4	755.7
24	25	635.0	29 1/4	743.0	33 1/2	850.9	1 1/2	38.1	24	30 3/4	781.1

For sizes above 24" N.B. Please contact us.

All sizes stated are in good faith and have been checked, but final responsibility lies with the customer.

Pipe joints to BS 10					(vii) Table K							
Nominal Pipe Size (Inches)	Gasket Inside Diameter		IBC Gasket Outside Diameter		Full Face Gasket Outside Diameter		Diameter of Bolt Holes		Number of Bolt Holes	Bolt circle diameter		
	Inches	mm	Inches	mm	Inches	mm	Inches	mm		Inches	mm	
1/2	27/32	21.4	2 9/16	65.1	4 1/2	114.3	11/16	17.5	4	3 1/4	82.6	
3/4	1 1/16	27.0	2 9/16	65.1	4 1/2	114.3	11/16	17.5	4	3 1/4	82.6	
1	1 11/32	34.1	3 1/16	77.8	5	127.0	11/16	17.5	4	3 3/4	95.3	
1 1/4	1 11/16	42.9	3 3/16	81.0	5 1/4	133.4	11/16	17.5	4	3 7/8	98.4	
1 1/2	1 29/32	48.4	3 5/8	92.1	6	152.4	11/16	17.5	4	4 1/2	114.3	
2	2 3/8	60.3	4 5/16	109.5	6 1/2	165.1	7/8	22.2	8	5	127.0	
2 1/2	3	76.2	4 7/8	123.8	7 1/4	184.2	7/8	22.2	8	5 3/4	146.1	
3	3 1/2	88.9	5 5/8	142.9	8	203.2	7/8	22.2	8	6 1/2	165.1	
3 1/2	4	101.6	6 1/4	158.8	9	228.6	7/8	22.2	8	7 1/4	184.2	
4	4 1/2	114.3	6 3/4	171.5	9 1/2	241.3	7/8	22.2	8	7 3/4	196.9	
5	5 1/2	139.7	8 1/4	209.6	11	279.4	1	25.4	12	9 1/4	235.0	
6	6 5/8	168.3	9 1/4	235.0	12	304.8	1	25.4	12	10 1/4	260.4	
7	7 1/2	190.5	10 3/8	263.5	13 1/2	342.9	1	25.4	12	11 1/2	292.1	
8	8 1/2	215.9	11 3/8	288.9	14 1/2	368.3	1	25.4	12	12 1/2	317.5	
9	9 1/2	241.3	12 7/8	327.0	16	406.4	1 1/8	28.6	16	14	355.6	
10	10 5/8	269.9	13 7/8	352.4	17	431.8	1 1/8	28.6	16	15	381.0	
12	12 5/8	320.7	15 3/4	400.1	19 1/4	489.0	1 1/8	28.6	16	17	431.8	
13	13 5/8	346.1	17 5/8	447.7	21 1/2	546.1	1 1/4	31.8	16	19	482.6	
14	14 5/8	371.5	18 5/8	473.1	22 1/2	571.5	1 1/4	31.8	16	20	508.0	
15	15 5/8	396.9	19 7/8	504.8	23 3/4	603.3	1 1/4	31.8	20	21 1/4	539.8	
16	-	-	-	-	-	-	-	-	-	-	-	
17	-	-	-	-	-	-	-	-	-	-	-	
18	-	-	-	-	-	-	-	-	-	-	-	
19	-	-	-	-	-	-	-	-	-	-	-	
20	-	-	-	-	-	-	-	-	-	-	-	
21	-	-	-	-	-	-	-	-	-	-	-	
22	-	-	-	-	-	-	-	-	-	-	-	
23	-	-	-	-	-	-	-	-	-	-	-	
24	-	-	-	-	-	-	-	-	-	-	-	

All sizes stated are in good faith and have been checked, but final responsibility lies with the customer.

Pipe joints to BS 10					(viii) Table R						
Nominal Pipe Size (Inches)	Gasket Inside Diameter		IBC Gasket Outside Diameter		Full Face Gasket Outside Diameter		Diameter of Bolt Holes		Number of Bolt Holes	Bolt circle diameter	
	Inches	mm	Inches	mm	Inches	mm	Inches	mm		Inches	mm
1/2	27/32	21.4	2 9/16	65.1	4 1/2	114.3	11/16	17.5	4	3 1/4	82.6
3/4	1 1/16	27.0	2 9/16	65.1	4 1/2	114.3	11/16	17.5	4	3 1/4	82.6
1	1 11/32	34.1	3 1/16	77.8	5	127.0	11/16	17.5	4	3 3/4	95.3
1 1/4	1 11/16	42.9	3 3/16	81.0	5 1/4	133.4	11/16	17.5	4	3 7/8	98.4
1 1/2	1 29/32	48.4	3 5/8	92.1	6	152.4	7/8	22.2	4	4 1/2	114.3
2	2 3/8	60.3	4 5/16	109.5	6 1/2	165.1	11/16	17.5	8	5	127.0
2 1/2	3	76.2	4 7/8	123.8	7 1/4	184.2	7/8	22.2	8	5 3/4	146.1
3	3 1/2	88.9	5 5/8	142.9	8	203.2	7/8	22.2	8	6 1/2	165.1
3 1/2	4	101.6	6 1/4	158.8	9	228.6	1	25.4	8	7 1/4	184.2
4	4 1/2	114.3	6 3/4	171.5	9 1/2	241.3	1	25.4	8	7 3/4	196.9
5	5 1/2	139.7	8 1/4	209.6	11	279.4	1	25.4	12	9 1/4	235.0
6	6 5/8	168.3	9 1/4	235.0	12	304.8	1	25.4	12	10 1/4	260.4
7	7 1/2	190.5	10 3/8	263.5	13 1/2	342.9	1 1/8	28.6	12	11 1/2	292.1
8	8 1/2	215.9	11 3/8	288.9	14 1/2	368.3	1 1/8	28.6	12	12 1/2	317.5
9	9 1/2	241.3	12 7/8	327.0	16	406.4	1 1/8	28.6	16	14	355.6
10	10 5/8	269.9	14 1/8	358.8	17	431.8	1 1/8	28.6	16	15 1/4	387.4
12	12 5/8	320.7	16 3/4	425.5	19 1/4	489.0	1 1/4	31.8	16	18	457.2
13	13 5/8	346.1	18 1/8	460.4	21 1/2	546.1	1 3/8	34.9	16	19 1/2	495.3
14	14 5/8	371.5	19 3/8	492.1	23	584.2	1 3/8	34.9	16	20 3/4	527.1
15	15 5/8	396.9	20 3/8	517.5	24	609.6	1 3/8	34.9	20	21 3/4	552.5
16	17	431.8	21 5/8	549.3	25 1/4	641.4	1 3/8	34.9	20	23	584.2
17	18	457.2	22 5/8	574.7	26 1/2	673.1	1 3/8	34.9	20	24	609.6
18	19	482.6	25	635.0	29	736.6	1 1/2	38.1	20	26 1/2	673.1
20	21	533.4	27 1/8	689.0	31 3/4	806.5	1 5/8	41.3	20	28 3/4	730.3
22	23	584.2	29 5/8	752.5	35 1/4	895.4	2 1/8	54.0	20	31 3/4	806.5
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

All sizes stated are in good faith and have been checked, but final responsibility lies with the customer.