

## PIPELINE SUPPLIES

We specialise in all aspects of the tubes and fittings industry ranging from API. 5L grade B tubes, BS1640 weld fittings to BS1387 tubes in medium and heavy weight including all malleable BSP pipe fittings and valves.

### MALLEABLE PIPE FITTINGS

A comprehensive range of BSP malleable pipe fittings range from 1/4" to 6". Finishes available in self colour or galvanised. Also available in c3000lb and mild steel. Full range available on request.



fig 140  
Hexagon bush



fig 147  
Plain plug  
hollow



fig 148  
Plain plug solid



fig 151  
90° F / F  
Equal elbow



fig 152  
90° M / F  
Equal elbow



fig 155  
45° F / F  
Equal elbow



fig 161  
Equal tee



fig 177  
Equal sockets



fig 179  
Reducing socket



fig 185  
Cap



fig 256  
Iron / Iron  
union



fig 289  
Bronze / Bronze  
union



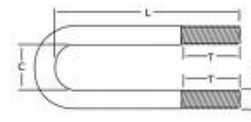
fig 501  
Bracket screw  
fixing



fig 515m  
Metric back plate



fig 529m  
Metric ring single  
socket



Zinc plated U bolts

Dimensions  
D x L x C x T

# PIPELINE SUPPLIES

## MANUAL AND ACTUATED VALVES



### BRASS

- Ball valves
- 3 way valves
- Check valves
- Gate valves
- Strainers



### BRONZE

- Ball valves
- 3 way valves
- Check valves
- Gate valves
- Globe valves
- Strainers



### STAINLESS STEEL

- Ball valves
- 3 way valves
- Globe valves
- Needle valves
- Gate valves
- Strainers
- Check valves



### BC UPVCA

- Ball valves
- 3 way valves
- Butterfly valves
- Check valves
- Diaphragm valves



### CAST IRON

- Ball valves
- 3 way valves
- Butterfly valves
- Expansion joints
- Gate valves
- Strainers
- Check valves



### ACTUATION

- Ball valves
- 3 way valves
- Namur solenoid valves
- Butterfly valves
- Plastic valves
- Switch boxes

## PIPELINE DATA - BS1387 TUBES

BS1387 tube is available in self colour, primer painted or galvanised finishes. Plain ends or BSP screwed and socketed tubes.

### BS1387 MEDIUM

Nominal Bore		Outside Diameter				Thickness		Weight per Unit Length	
		max		min				Plain End	
mm	inches	mm	inches	mm	inches	mm	inches	k/mm	lb/in
6	1/8	10.4	0.411	9.80	0.386	2.00	0.08	0.407	0.273
8	1/4	13.9	0.547	13.3	0.522	2.35	0.092	0.65	0.437
10	3/8	17.4	0.685	16.8	0.660	2.35	0.092	0.852	0.573
15	1/2	21.7	0.856	21.1	0.831	2.65	0.104	1.220	0.822
24	3/4	27.2	1.072	26.6	1.047	2.65	0.104	1.580	1.060
25	1	34.2	1.346	33.4	1.316	3.25	0.128	2.440	1.640
32	1 1/4	42.0	1.687	42.1	1.657	3.25	0.128	3.140	2.110
40	1 1/2	48.8	1.919	48.0	1.889	3.25	0.128	3.610	2.430
50	2	60.8	2.354	59.8	2.394	3.65	0.144	5.100	3.420
65	2 1/2	76.6	3.014	75.4	2.969	3.65	0.144	6.510	4.380
80	3	89.5	3.524	88.1	3.469	4.05	0.160	8.470	5.030
100	4	114.9	4.524	113.3	4.459	4.50	0.176	12.10	8.140
125	5	140.6	5.534	138.7	5.459	4.85	0.192	16.20	10.90
150	6	166.1	6.539	164.1	6.459	4.85	0.192	18.20	12.00

### BS1387 HEAVY

Nominal Bore		Outside Diameter				Thickness		Weight per Unit Length	
		max		min				Plain End	
mm	inches	mm	inches	mm	inches	mm	inches	k/mm	lb/in
6	1/8	10.4	0.441	9.80	0.386	2.65	0.104	0.493	0.331
8	1/4	13.9	0.547	13.3	0.522	2.90	0.116	0.769	0.517
10	3/8	17.4	0.685	16.0	0.660	2.90	0.116	1.020	0.686
15	1/2	21.7	0.856	21.1	0.831	3.25	0.280	1.450	0.977
20	3/4	27.2	1.072	26.6	1.047	3.25	0.280	1.900	0.127
25	1	34.2	1.346	33.4	1.316	4.05	0.160	2.970	2.000
32	1 1/4	42.9	1.687	42.1	1.657	4.05	0.160	3.840	2.580
40	1 1/2	48.8	1.919	48.0	1.889	4.05	0.160	4.430	2.980
50	2	60.8	2.394	59.8	2.394	4.50	0.176	6.170	4.100
65	2 1/2	76.6	3.014	75.4	2.969	4.50	0.176	7.900	5.310
80	3	89.5	3.524	88.1	3.469	4.85	0.192	10.10	6.760
100	4	144.9	4.524	113.3	4.459	5.40	0.212	14.40	9.710
125	5	140.6	5.534	138.7	5.459	5.40	0.212	17.80	12.00
150	6	166.1	6.539	164.1	6.459	5.40	0.212	21.20	14.30

## PIPELINE DATA - FLANGES

Available as steel weld neck, steel slip-on plate, steel screwed, steel slip-on bossed and steel blank plate.

### BS1560 ASA 150 inches

Nominal bore	Flange diameter	Thickness	Bolt length/diameter	No. holes	PCD
1/2	3 1/2	7/16	1 3/4 x 1/2	4	2 3/8
3/4	3 7/8	1/2	2 x 1/2	4	2 3/4
1	4 1/4	9/16	2 x 1/2	4	3 1/8
1 1/4	4 5/8	5/8	2 1/4 x 1/2	4	3 1/2
1 1/2	5	11/16	2 1/4 x 1/2	4	3 7/8
2	6	3/4	2 3/4 x 5/8	4	4 3/4
2 1/2	7	7/8	3 x 5/8	4	5 1/2
3	7 1/2	15/16	3 x 5/8	4	6
4	9	15/16	3 x 5/8	8	7 1/2
5	10	15/16	3 1/4 x 3/4	8	8 1/2
6	11	1	3 1/4 x 3/4	8	9 1/2
8	13 1/2	1 1/8	3 1/2 x 3/4	8	11 3/4
10	16	1 3/16	3 3/4 x 7/8	12	14 1/4
12	19	1 1/4	4 x 7/8	12	17

### BS4504 TABLE 6 millimetres

Nominal Bore	Flange diameter	Thickness	Bolt length/diameter	No. holes	PCD
15	80	12	m 10 x 40	4	55
20	90	14	m 10 x 45	4	65
25	100	14	m 10 x 45	4	75
32	120	14	m 12 x 50	4	90
40	130	14	m 12 x 50	4	100
50	140	14	m 12 x 50	4	110
65	160	14	m 12 x 50	4	130
80	190	16	m 16 x 60	4	150
100	210	16	m 16 x 60	4	170
125	240	18	m 16 x 60	8	200
150	265	18	m 16 x 60	8	225
200	320	20	m 16 x 65	8	280
250	375	22	m 16 x 70	12	335
300	440	22	m 20 x 70	12	395

### BS10 TABLE E inches

Nominal Bore	Flange diameter	Thickness	Bolt length/ diameter	No. holes	PCD
1/2	3 3/4	1/4	1 1/4 x 1/2	4	2 5/8
3/4	4	1/4	1 1/4 x 1/2	4	2 7/8
1	4 1/2	9/32	1 1/4 x 1/2	4	3 1/4
1 1/4	4 3/4	5/16	1 1/2 x 1/2	4	3 7/16
1 1/2	5 1/4	11/32	1 1/2 x 1/2	4	3 7/8
2	6	3/8	1 3/4 x 5/8	4	4 1/2
2 1/2	6 1/2	13/32	1 1/2 x 5/8	4	5
3	7 1/4	7/16	1 3/4 x 5/8	4	5 3/4
4	8 1/2	1/2	2 x 5/8	8	7
5	10	9/16	2 x 5/8	8	8 1/4
6	11	11/16	2 1/2 x 3/4	8	9 1/4
8	13 1/4	3/4	2 1/2 x 3/4	8	11 1/2
10	16	7/8	2 3/4 x 3/4	12	14
12	18	1	3 1/4 x 3/4	12	16

# PIPELINE DATA - FLANGES

## BS1560 ASA 300 inches

Nominal Bore	Flange diameter	Thickness	Bolt length/ diameter	Number of holes	PCD
1/2	3 3/4	9/16	2 x 1/2	4	2 5/8
3/4	4 5/8	5/8	2 1/2 x 5/8	4	3 1/4
1	4 7/8	1 1/16	2 1/2 x 5/8	4	3 1/2
1 1/4	5 1/4	3/4	2 3/4 x 5/8	4	3 7/8
1 1/2	6 1/8	1 3/16	3 x 3/4	4	4 1/2
2	6 1/2	7/8	3 x 5/8	8	5
2 1/2	7 1/2	1	3 1/4 x 3/4	8	5 7/8
3	8 1/4	1 1/8	3 1/2 x 3/4	8	6 5/8
4	10	1 1/4	3 3/4 x 3/4	8	7 7/8
5	11	1 3/8	4 x 3/4	8	9 1/4
6	12 1/2	1 7/16	4 1/4 x 3/4	12	10 5/8
8	15	1 5/8	4 3/4 x 7/8	12	13
10	17 1/2	1 7/8	5 1/4 x 1	16	15 1/4
12	20 1/2	2	5 3/4 x 1 1/8	16	17 3/4

## BS4504 TABLE 16 millimetres

Nominal Bore	Flange diameter	Thickness	Bolt length/ diameter	Number of holes	PCD
15	95	14	m 12 x 45	4	65
20	105	16	m 12 x 50	4	75
25	115	16	m 12 x 50	4	85
32	140	16	m 16 x 60	4	100
40	150	16	m 16 x 60	4	110
50	165	18	m 16 x 60	4	125
65	185	18	m 16 x 60	4	145
80	200	20	m 16 x 65	8	160
100	220	20	m 16 x 70	8	180
125	250	22	m 16 x 70	8	210
150	285	22	m 20 x 70	8	240
200	340	24	m 20 x 90	12	295
250	405	26	m24 x 90	12	355
300	460	28	m24 x 90	12	410

## BS10 TABLE F inches

Nominal Bore	Flange diameter	Thickness	Bolt length/ diameter	Number of holes	PCD
1/2	3 3/4	3/8	1 1/2 x 1/2	4	2 5/8
3/4	4	3/8	1 1/2 x 1/2	4	2 7/8
1	4 3/4	3/8	1 3/4 x 5/8	4	3 7/16
1 1/4	5 1/4	1/2	1 3/4 x 5/8	4	3 7/8
1 1/2	5 1/2	1/2	2 x 5/8	4	4 1/8
2	6 1/2	5/8	2 1/4 x 5/8	4	5
2 1/2	7 1/4	5/8	2 1/4 x 5/8	8	5 3/4
3	8	5/8	2 1/4 x 5/8	8	6 1/2
4	9	3/4	2 1/4 x 5/8	8	7 1/2
5	11	7/8	2 3/4 x 3/4	8	9 1/4
6	12	7/8	2 3/4 x 3/4	12	10 1/4
8	14 1/4	1	3 x 3/4	12	12 3/4
10	17	1 1/8	3 1/4 x 7/8	12	15
12	19 1/4	1 1/4	3 1/2 x 7/8	16	17 1/4

## PIPELINE DATA - DIMENSIONS

### LINEPIPE DIMENSIONS API 5L GRADE B

Nom pipe size inches	Outside dia mm	Schedule 20 mm	Standard weight mm	Schedule 40 mm	Extra strong mm	Schedule 80 mm	Double extra strong mm
¼	13.7		2.2	2.2	3.0	3.0	
⅜	17.1		2.3	2.3	3.2	3.2	
½	21.3		2.8	2.8	3.7	3.7	7.5
¾	26.7		2.9	2.9	3.9	3.9	7.8
1	33.4		3.4	3.4	4.5	4.5	9.1
1¼	42.2		3.6	3.6	4.9	4.9	9.7
1½	48.3		3.7	3.7	5.1	5.1	10.2
2	60.3		3.9	3.9	5.5	5.5	11.1
2½	73.0		5.2	5.2	7.0	7.0	14.0
3	88.9		5.5	5.5	7.6	7.6	15.2
3½	101.6		5.7	5.7	8.1	8.1	
4	114.3		6.0	6.0	8.6	8.6	17.1
5	141.3		6.6	6.6	9.5	9.5	19.1
6	168.3		7.1	7.1	11.0	11.0	
8	219.1	6.4	8.2	8.2	12.7	12.7	22.2
10	273.1	6.4	9.3	9.3	12.7		25.4
12	323.1	6.4	9.5	10.3	12.7	17.5	25.4
14	355.6	7.9	9.5	11.1	12.7	19.1	
16	406.4	7.9	9.5	12.7	12.7		
18	457.0	7.9	9.5	14.3	12.7	23.8	
20	508.0	9.5	9.5		12.7		
22	559.0	9.5	9.5		12.7		
24	610.0	9.5	9.5	17.5	12.7		
26	660.0	12.7	9.5		12.7		
28	711.0	12.7	9.5		12.7		
30	762.0	12.7	9.5		12.7		
32	813.0	12.7	9.5	17.5	12.7		
34	864.0	12.7	9.5	17.5	12.7		
36	914.0	12.7	9.5	19.1	12.7		

## PIPELINE DATA - MASSES

### LINEPIPE MASSES API 5L GRADE B

Nom pipe size inches	Outside dia mm	Sch 20 kg/m	Std weight kg/m	Sch 40 kg/m	Extra strong kg/m	Sch 80 kg/m	Double extra strong kg/m
¼	13.70		0.62	0.62	0.79	0.79	
⅜	17.10		0.84	0.84	1.10	1.10	
½	21.30		1.28	1.28	1.61	1.61	2.55
¾	26.70		1.70	1.70	2.19	2.19	3.64
1	33.40		2.52	2.52	3.21	3.21	5.45
1¼	42.20		3.43	3.43	4.51	4.51	7.77
1½	48.30		4.07	4.07	5.43	5.43	9.58
2	60.30		5.42	5.42	7.43	7.43	13.47
2½	73.00		8.69	8.69	11.39		
3	88.90		11.31	11.31	15.24	15.24	27.63
3½	101.6		13.48	13.48	18.68	18.68	
4	114.3		16.02	16.02	22.42	22.42	40.99
5	141.3		21.92	21.92	30.88	30.88	57.56
6	168.3		28.22	28.22	42.67	42.67	
8	219.1	33.57	42.65	42.65	64.64	64.64	107.79
10	273.1	42.09	60.5	60.5	81.55		155.15
12	323.1	50.11	73.65	79.65	97.46	132.23	186.65
14	355.6	67.74	81.08	94.3	107.39	158.49	
16	406.4	77.63	92.98	123.3	123.3		
18	457.0	87.49	104.84	156.11	139.15	254.25	
20	508.0	116.78	116.78		155.12		
22	559.0	128.73	128.73		171.09		
24	610.0	140.68	140.68	255.69	187.06		
26	660.0	202.72	152.39		202.72		
28	711.0	218.69	164.34		218.69		
30	762.0	234.67	176.29		234.67		
32	813.0	250.64	188.24	343.3	250.64		
34	864.0	266.61	200.18	365.31	266.61		
36	914.0	282.27	211.9	421.5	282.27		