

pipe

inch sizes - BS EN Standard



Grey Pipe BS EN 1452

Plain Ended - 6 Metre Lengths

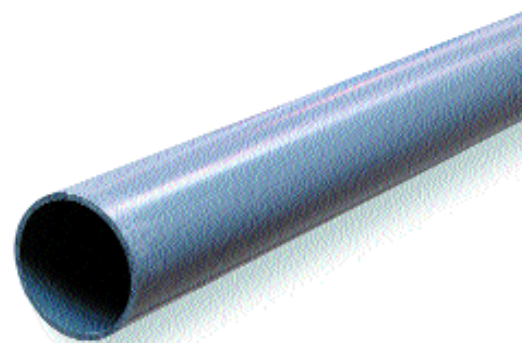
Size	PN9 (Class C)		PN12 (Class D)		PN15 (Class E)	
	Code	Price/m	Code	Price/m	Code	Price/m
1/2	-		-		PVC005PE15	1.61
3/4	-		-		PVC007PE15	2.06
1	-		-		PVC010PE15	3.12
1 1/4	-		PVC012PE12	3.78	PVC012PE15	4.53
1 1/2	-		PVC015PE12	5.00	PVC015PE15	6.14
2	PVC020PE9	6.59	PVC020PE12	7.64	PVC020PE15	9.08
2 1/2	PVC075PE10*	10.28	-		PVC075PE16**	15.55
3	PVC030PE9	11.43	PVC030PE12	14.84	PVC030PE15	16.65
4	PVC040PE9	18.02	PVC040PE12	22.25	PVC040PE15	25.88
5	PVC050PE9	28.85	PVC050PE12	37.60	-	
6	PVC060PE9	39.06	-		PVC060PE15	58.28
8	PVC080PE9	62.66	-		-	
10	PVC100PE9	97.19	-		-	
12	PVC120PE9	142.29	-		-	

* Pressure rating PN10

** Pressure rating PN16

Please note that a transportation surcharge may be applied on pipe diameters 10" or larger - please enquire for details.

2 1/2" and 5" pipe may be supplied in 5mtr lengths, check availability.



Pipe Standards

BS EN 1452 has replaced BS 3505. Stock of pipe to BS 3505 is no longer available.

inch sizes - ASTM Standard

Grey Pipe ASTM

Plain Ended - 3 & 6 Metre Lengths

Schedule 40			Schedule 80	
Size	Code	Price/m	Code	Price/m
1/8	400-001G	2.55	800-001	3.01
1/4	400-002G	3.69	800-002	4.22
3/8	400-003G	4.99	800-003	5.83
1/2	400-005G	2.29	800-005	2.87
3/4	400-007G	3.05	800-007	3.89
1	400-010G	4.46	800-010	5.68
1 1/4	400-012G	6.06	800-012	7.83
1 1/2	400-015G	7.15	800-015	9.36
2	400-020G	9.49	800-020	12.99
2 1/2 *	400-025G	16.32	800-025	20.77
3	400-030G	19.62	800-030	26.50
4	400-040G	27.90	800-040	38.73
5 *	400-050G	41.29	800-050	56.45
6	400-060G	49.18	800-060	73.90
8	400-080G	73.77	800-080	112.12
10	400-100G	106.65	800-100	169.47
12	400-120G	140.79	800-120	232.54
14	400-140G	181.57	800-140	300.70
16	400-160G	237.00	800-160	470.80
18	400-180G	372.69	800-180	589.30
20	400-200G	437.67	800-200	742.84
24	400-240G	608.41	800-240	1052.46

White Pipe ASTM

Plain Ended - 3 & 6 Metre Lengths

SDR 26			Schedule 40	
Size	Code	Price/m	Code	Price/m
1/8	-	-	-	-
1/4	-	-	-	-
3/8	-	-	-	-
1/2	-	-	400-005	1.96
3/4	-	-	400-007	2.57
1	260-010	1.96	400-010	3.78
1 1/4	260-012	2.65	400-012	5.08
1 1/2	260-015	3.33	400-015	5.99
2	260-020	5.08	400-020	8.02
2 1/2	260-025	7.95	400-025	13.71
3	260-030	10.75	400-030	16.51
4	260-040	17.57	400-040	23.45
5	260-050	29.06	400-050	34.67
6	260-060	37.68	400-060	41.33
8	260-080	63.87	400-080	62.07
10	260-100	100.96	400-100	89.45
12	260-120	142.13	400-120	118.22
14	260-140	217.22	400-140	149.40
16	260-160	283.07	400-160	195.28
18	260-180	359.51	400-180	302.75
20	260-200	443.51	400-200	355.72
24	260-240	639.54	400-240	494.98

Please note that a transportation surcharge may be applied on pipe diameters 10" or larger - please enquire for details.

Pipework Support

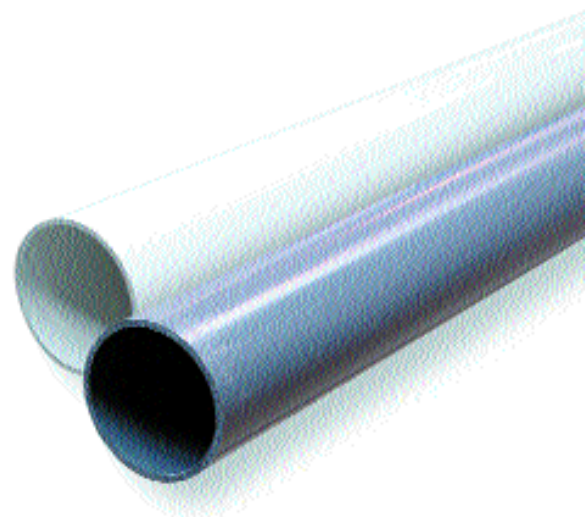
PVC-U pipework requires more support than for metallic systems. As working temperature increases, the distance between supports is reduced. At 60°, continuous support is required.

Pipe Size	Support Centres/m	
	20°C	40°C
3/8"	0.7	0.6
1/2"	0.8	0.7
3/4"	0.9	0.7
1"	1.0	0.8
1 1/4"	1.1	0.9
1 1/2"	1.2	1.0
2"	1.3	1.1
3"	1.6	1.3
4"	1.8	1.5
6"	2.2	1.8
8"	2.5	2.0
10"	2.8	2.3
12"	3.0	2.5
14"	3.2	2.6
16"	3.4	2.8

Temperature De-Rating Factors

Pressure ratings for PVC-U pipework systems are always quoted at 20°C. As working temperature increases, the maximum working pressure decreases by the factor indicated.

Working Temperature (°C)	Pressure De-Rating Factor
20	1.00
30	0.80
40	0.58
50	0.39
60	0.22



pvc-u pipe availability: inch sizes

	ASTM D 2241				ASTM D 1785			BS 3505					BS EN 1452			
	Class	SDR 41	SDR 26	SDR 21	SDR 13.5	Sch 40	Sch 80	Sch 120	Class B	Class C	Class D	Class E	Class 7	PN9	PN12	PN15
Colour	White	White	White	White	Wh&Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey
1/8" O.D. (mm)					10.3	10.3										
Wall (mm)					1.7	2.4										
Max WP (bar)					55.5	84.5										
Weight/m (kg)					0.1	0.1										
1/4" O.D. (mm)					13.7	13.7										
Wall (mm)					2.2	3.0										
Max WP (bar)					53.8	77.9										
Weight/m (kg)					0.1	0.2										
3/8" O.D. (mm)					17.1	17.1					17.1					17.1
Wall (mm)					2.3	3.2					1.9					1.5
Max WP (bar)					42.8	63.5					15.0					15.0
Weight/m (kg)					0.2	0.2					0.1					0.1
1/2" O.D. (mm)				21.3	21.3	21.3	21.3				21.3	21.3				21.3
Wall (mm)				1.6	2.8	3.7	4.3				2.1	4.0				1.7
Max WP (bar)				21.7	41.4	58.6	70.0				15.0	12.0				15.0
Weight/m (kg)				0.2	0.2	0.3	0.3				0.2	0.3				0.2
3/4" O.D. (mm)				26.7	26.7	26.7	26.7				26.7	26.7				26.7
Wall (mm)				1.5	2.9	3.9	4.3				2.5	4.2				1.9
Max WP (bar)				13.8	33.1	47.6	53.3				15.0	12.0				15.0
Weight/m (kg)				0.2	0.3	0.4	0.4				0.2	0.4				0.2
1" O.D. (mm)		33.4	33.4		33.4	33.4	33.4				33.4	33.4				33.4
Wall (mm)		1.5	1.6		3.4	4.5	5.1				2.7	4.8				2.2
Max WP (bar)		11.0	13.8		31.0	43.5	49.5				15.0	12.0				15.0
Weight/m (kg)		0.3	0.3		0.5	0.6	0.7				0.3	0.5				0.3
1 1/4" O.D. (mm)		42.2	42.2		42.2	42.2	42.2			42.2	42.2	42.2		42.2	42.2	42.2
Wall (mm)		1.6	2.0		3.6	4.9	5.5			2.7	3.2	5.2		2.2	2.7	2.7
Max WP (bar)		11.0	13.8		25.5	35.9	41.0			12.0	15.0	12.0		12.0	15.0	15.0
Weight/m (kg)		0.3	0.4		0.6	0.8	0.9			0.4	0.5	0.7		0.4	0.5	0.5
1 1/2" O.D. (mm)		48.3	48.3		48.3	48.3	48.3			48.3	48.3	48.3		48.3	48.3	48.3
Wall (mm)		1.9	2.3		3.7	5.1	5.7			3.0	3.7	5.5		2.5	3.1	3.1
Max WP (bar)		11.0	13.8		22.8	32.4	37.0			12.0	15.0	12.0		12.0	15.0	15.0
Weight/m (kg)		0.4	0.5		0.8	1.0	1.1			0.5	0.7	0.9		0.5	0.7	0.7
2" O.D. (mm)		60.3	60.3		60.3	60.3	60.3		60.3	60.3	60.3	60.3		60.3	60.3	60.3
Wall (mm)		2.3	2.9		3.9	5.5	6.4		3.0	3.7	4.5	6.0		2.5	3.1	3.9
Max WP (bar)		11.0	13.8		19.3	27.6	32.5		9.0	12.0	15.0	12.0		9.0	12.0	15.0
Weight/m (kg)		0.6	0.8		1.0	1.4	1.6		0.7	0.8	1.0	1.4		0.7	0.8	1.0
2 1/2" O.D. (mm)		73.0	73.0		73.0	73.0	73.0		75.0*		75.0*					
Wall (mm)		2.8	3.5		5.2	7.0	7.6		3.6		5.6					
Max WP (bar)		11.0	13.8		20.7	29.0	32.1		10.0		16.0					
Weight/m (kg)		0.9	1.1		1.6	2.1	2.3		1.2		1.8					
3" O.D. (mm)		88.9	88.9		88.9	88.9	88.9		88.9	88.9	88.9	88.9		88.9	88.9	88.9
Wall (mm)		3.4	4.2		5.5	7.6	8.9		3.1	4.1	5.3	6.5	4.2	3.5	4.6	5.7
Max WP (bar)		11.0	13.8		17.9	25.5	30.6		6.0	9.0	12.0	15.0	12.0	9.0	12.0	15.0
Weight/m (kg)		1.4	1.7		2.1	2.8	3.3		1.2	1.4	1.8	2.2	0.4	1.4	1.8	2.2
3 1/2" O.D. (mm)		101.6	101.6		101.6	101.6										
Wall (mm)		3.9	4.8		5.7	8.1										
Max WP (bar)		11.0	13.8		16.6	24.1										
Weight/m (kg)		1.8	2.2		2.5	3.5										
4" O.D. (mm)		114.3	114.3		114.3	114.3	114.3		114.3	114.3	114.3	114.3		114.3	114.3	114.3
Wall (mm)		4.4	5.4		6.0	8.6	11.1		3.6	5.2	6.8	8.3		4.5	6.0	7.3
Max WP (bar)		11.0	13.8		15.2	22.1	29.7		6.0	9.0	12.0	15.0		9.0	12.0	15.0
Weight/m (kg)		2.2	2.7		3.0	4.2	5.3		1.8	2.3	3.0	3.6		2.3	3.1	3.7
5" O.D. (mm)		141.3	141.3		141.3	141.3		140.0*	140.0*	140.0*	140.0*					
Wall (mm)		5.4	6.7		6.6	9.5		4.0	6.3	8.3	10.1					
Max WP (bar)		11.0	13.8		13.1	20.0		6.0	9.0	12.0	15.0					
Weight/m (kg)		3.4	4.2		4.1	5.8		2.5	3.5	4.5	5.5					
6" O.D. (mm)		168.3	168.3		168.3	168.3	168.3		168.3	168.3	168.3	168.3		168.3	168.3	168.3
Wall (mm)		6.5	8.0		7.1	11.0	14.3		4.8	7.5	9.9	12.2		6.6	8.8	10.8
Max WP (bar)		11.0	13.8		12.4	19.3	25.6		6.0	9.0	12.0	15.0		9.0	12.0	15.0
Weight/m (kg)		4.8	5.9		5.3	7.9	10.1		3.4	5.0	6.5	7.9		5.0	6.6	8.0
8" O.D. (mm)		219.1	219.1		219.1	219.1		219.1	219.1	219.1	219.1			219.1	219.1	219.1
Wall (mm)		8.4	10.4		8.2	12.7		5.6	8.8	11.6	14.1			7.8	10.3	12.6
Max WP (bar)		11.0	13.8		11.0	16.6		6.0	9.0	12.0	15.0			9.0	12.0	15.0
Weight/m (kg)		8.2	10.0		7.9	12.0		5.3	7.7	10.0	12.1			7.7	10.1	12.2
10" O.D. (mm)		273.0	273.0		273.0	273.0		273.0	273.0	273.0	273.0			273.0	273.0	273.0
Wall (mm)		10.5	13.0		9.3	15.1		7.0	10.9	14.3	17.5			9.7	12.8	15.7
Max WP (bar)		11.0	13.8		9.7	15.9		6.0	9.0	12.0	15.0			9.0	12.0	15.0
Weight/m (kg)		12.7	15.5		11.2	17.8		8.2	11.9	15.5	18.8			12.0	15.7	19.0
12" O.D. (mm)		323.9			323.9	323.9		323.9	323.9	323.9	323.9			323.9	323.9	323.9
Wall (mm)		12.5			10.3	17.5		8.2	12.9	17.0	20.8			11.5	15.2	18.7
Max WP (bar)		11.0			9.0	15.9		6.0	9.0	12.0	15.0			9.0	12.0	15.0
Weight/m (kg)		17.8			14.8	24.5		11.5	16.8	21.8	26.5			16.9	22.1	26.8
14" O.D. (mm)		355.6			355.6	355.6		355.6	355.6	355.6	355.6					
Wall (mm)		13.7			11.1	19.1		9.0	14.1	18.6	22.8					
Max WP (bar)		11.0			9.0	15.2		6.0	9.0	12.0	15.0					
Weight/m (kg)		21.5			17.6	29.6		13.4	20.1	26.3	31.9					
16" O.D. (mm)		406.4			406.4	406.4		406.4	406.4	406.4	406.4			406.4	406.4	406.4
Wall (mm)		15.6			12.7	21.4		10.2	16.2	21.1	26.0			14.5	19.0	23.4
Max WP (bar)		11.0			9.0	15.2		6.0	9.0	12.0	15.0			9.0	12.0	15.0
Weight/m (kg)		28.1			23.0	37.9		17.9	26.4	34.2	41.2			23.2	30.1	36.5
18" O.D. (mm)	457.2	457.2				457.2		457.2	457.2	457.2				457.2	457.2	
Wall (mm)	11.2	17.6				23.8		11.9	18.2	23.8				16.3	21.4	
Max WP (bar)	6.9	11.0				15.2		6.0	9.0	12.0				9.0	12.0	
Weight/m (kg)	23.5	35.6				47.5		21.8	33.3	43.3				29.9	38.7	
20" O.D. (mm)	508.0	508.0						508.0	508.0					508.0		
Wall (mm)	12.4	19.5						13.2	20.2					18.1		
Max WP (bar)	6.9	11.0						6.0	9							