

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	1.75
3/4	-		-		PVC007PE15	2.25
1	-		-		PVC010PE15	3.40
1 1/4	-		PVC012PE12	4.12	PVC012PE15	4.94
1 1/2	-		PVC015PE12	5.45	PVC015PE15	6.69
2	PVC020PE9	7.18	PVC020PE12	8.33	PVC020PE15	9.90
2 1/2	PVC075PE10*	11.21	-		PVC075PE16**	16.99
3	PVC030PE9	12.46	PVC030PE12	16.18	PVC030PE15	18.15
4	PVC040PE9	19.64	PVC040PE12	24.25	PVC040PE15	28.21
5	PVC050PE9	31.45	PVC050PE12	40.98	-	
6	PVC060PE9	42.58	-		PVC060PE15	63.53
8	PVC080PE9	68.30	-		-	
10	PVC100PE9	105.94	-		-	
12	PVC120PE9	155.10	-		-	

* 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	2.78	800-001	3.28
1/4	400-002G	4.02	800-002	4.60
3/8	400-003G	5.44	800-003	6.35
1/2	400-005G	2.50	800-005	3.13
3/4	400-007G	3.32	800-007	4.24
1	400-010G	4.86	800-010	6.19
1 1/4	400-012G	6.61	800-012	8.53
1 1/2	400-015G	7.79	800-015	10.20
2	400-020G	10.34	800-020	14.16
2 1/2 *	400-025G	17.79	800-025	22.64
3	400-030G	21.39	800-030	28.89
4	400-040G	30.41	800-040	42.22
5 *	400-050G	45.01	800-050	61.53
6	400-060G	53.61	800-060	80.55
8	400-080G	80.41	800-080	122.21
10	400-100G	116.25	800-100	184.72
12	400-120G	153.46	800-120	253.47
14	400-140G	197.91	800-140	327.76
16	400-160G	258.33	800-160	513.17
18	400-180G	406.23	800-180	642.34
20	400-200G	477.06	800-200	809.70
24	400-240G	663.17	800-240	1147.18

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	2.14
3/4	-	-	400-007	2.80
1	260-010	2.14	400-010	4.12
1 1/4	260-012	2.89	400-012	5.54
1 1/2	260-015	3.63	400-015	6.53
2	260-020	5.54	400-020	8.74
2 1/2	260-025	8.67	400-025	14.94
3	260-030	11.72	400-030	18.00
4	260-040	19.15	400-040	25.56
5	260-050	31.68	400-050	37.79
6	260-060	41.07	400-060	45.05
8	260-080	69.62	400-080	67.66
10	260-100	110.05	400-100	97.50
12	260-120	154.92	400-120	128.86
14	260-140	236.77	400-140	162.85
16	260-160	308.55	400-160	212.86
18	260-180	391.87	400-180	330.00
20	260-200	483.43	400-200	387.73
24	260-240	697.10	400-240	539.53

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

Pipework Support

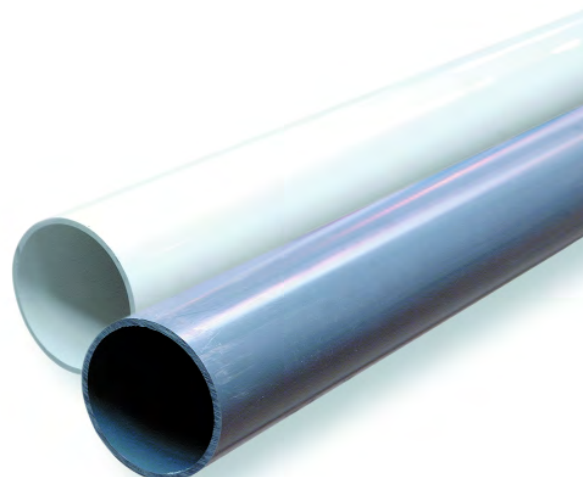
PVC-U pipework requires more support than for metallic systems. As working temperature increases, the distance between supports is reduced. At 60°, continuous support is required.

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 (Reference Only)					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	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	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														