

Schedule 80 Dimensions – Size in Inches

Norm Pipe Size (inch).	O.D.	Average I.D.	Min. Wall
1/2	0.840	0.526	0.147
3/4	1.050	0.722	0.154
1	1.315	0.936	0.179
1-1/4	1.660	1.255	0.191
1-1/2	1.900	1.476	0.200
2	2.375	1.913	0.218
2-1/2	2.875	2.290	0.276
3	3.500	2.864	0.300
3-1/2	4.000	3.326	0.318
4	4.500	3.786	0.337
5	5.563	4.768	0.375
6	6.625	5.709	0.432
8	8.625	7.565	0.500
10	10.750	9.493	0.593
12	12.750	11.294	0.687
14	14.000	12.410	0.750
16	16.000	14.231	0.843
18	18.000	16.014	0.937
20	20.000	17.814	1.031
24	24.000	21.418	1.218

ISO 4422 – 1996

For Drainage and Water Supply

Nominal Size	Outside Diameter	Wall Thickness	Length
	(mm)	(mm)	(M)
350mm (14")	370mm	10.0mm	5.8M
400mm (16")	420mm	11.0mm	5.8M
450mm (18")	470mm	12.7mm	5.8M
500mm (20")	520mm	14.0mm	5.8M
600mm (24")	630mm	15.4mm	5.8M

ISO9001 : 2008 Standard

Nominal Size	Outside Diameter	Wall Thickness	Length
	(mm)	(mm)	(M)
800mm (32")	800mm	17.0mm	5.8M

BS3505/MS628 CLASS D GREY



NOTE : FOR MALAYSIA USAGE ONLY

CLASS D BS3505/MS628

Norm Pipe Size (Inches)	Norm Pipe Size (MM)	Max. OD	Min. Wall Thickness
1-1/4"	32	42.40	2.20
1-1/2"	40	48.40	2.50
2"	50	60.50	3.10
3"	80	89.10	4.60
4"	100	114.50	6.00
6"	155	168.50	8.80
8"	200	219.40	10.30
10"	250	273.40	12.80
12"	300	324.30	15.20

BS3505/MS628 CLASS E GREY



NOTE : FOR MALAYSIA USAGE ONLY

CLASS E BS3505/MS628

Norm Pipe Size (Inches)	Norm Pipe Size (MM)	Max. OD	Min. Wall Thickness
1/2"	15	21.50	1.70
3/4"	20	26.90	1.90
1"	25	33.70	2.20
1-1/4"	32	42.40	2.70
1-1/2"	40	48.40	3.10
2"	50	60.50	3.90
3"	80	89.10	5.70
4"	100	114.50	7.30

NOTE : FOR MALAYSIA USAGE ONLY

CLASS 7 BS3506/MS762

Norm Pipe Size (Inches)	Norm Pipe Size (MM)	Max. OD	Min. Wall Thickness
1/2"	15	21.50	3.70
3/4"	20	26.90	3.90
1"	25	33.70	4.50
1-1/4"	32	42.40	4.80
1-1/2"	40	48.40	5.10
2"	50	60.50	5.50

PVC-U DIN ISO – SIZE IN MM

Norm Pipe Size	O.D.
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DIN ISO4422	
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1/2"	20MM
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3/4	25MM
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1	32MM
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1-1/4	40MM
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1-1/2	50MM
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2	63MM
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2-1/2	75MM
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3	90MM
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4	110MM
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Japanese Industrial Standard

JIS K6741 : 1984 Class VP (AW) and Class VU (AE)

Nominal		Outside	Wall Thickness		Length
Size		Diameter	Class VP (AW)	Class VU (AE)	
inch	mm	mm	mm	mm	M
3/8"	13	18	2.7	1.8	5.8
1/2"	16	22	2.7	1.8	5.8
3/4"	20	26	2.7	1.8	5.8
1"	25	32	3.1	1.8	5.8
1-1/4"	32	38	3.1	1.8	5.8
1-1/2"	40	48	3.5	1.8	5.8
2"	50	60	4.0	1.8	5.8
2-1/2"	65	76	4.5	1.8	5.8
3"	75	89	5.0	2.7	5.8
4"	100	114	6.0	3.0	5.8
5"	125	140	7.0	4.1	5.8
6"	150	165	8.9	5.1	5.8
8"	200	216	10.3	6.5	5.8
10"	250	267	12.7	7.8	5.8
12"	300	318	15.1	9.2	5.8

Japanese Industrial Standard

JIS K6741 : 1984 Class 'O'

Nominal		Outside	Wall Thickness		Length
Size		Diameter			
inch	mm	mm	mm		M
3"	75	89	1.8		5.8
4"	100	114	1.8		5.8
6"	150	165	2.7		5.8
8"	200	216	3.5		5.8
10"	250	267	5.0		5.8
12"	300	318	5.5		5.8

SS141

For Cold Water Services And Industrial Uses

Nominal		Outside		Wall Thickness			
Size		Diameter		Class B – GREY	Class C – GREY	Class D – WHITE	Class E – WHITE
inch	mm	mm		0.6 mpa	0.9 mpa	1.2 mpa	1.5 mpa
1/4"	8	13.6		–	–	–	1.3
3/8"	10	17.0		–	–	–	1.5
1/2"	15	21.2		–	–	–	1.7
3/4"	20	26.6		–	–	–	1.9
1"	25	33.4		–	–	–	2.2
1-1/4"	32	42.1		–	–	2.2	2.7
1-1/2"	40	48.1		–	–	2.5	3.1
2"	50	60.2		–	2.5	3.1	3.9
2-1/2"	65	75.0		–	3.0	3.9	4.8
3"	80	88.7		2.9	3.5	4.6	5.7
4"	100	114.1		3.4	4.5	6.0	7.3
5"	125	140.0		3.8	5.5	7.3	9.0
6"	155	168.0		4.5	6.6	8.8	10.8
8"	200	218.8		5.3	7.8	10.3	12.6
10"	250	272.6		6.6	9.7	12.8	15.7
12"	300	323.4		7.8	11.5	15.2	18.7
Class B		6 Bar		(0.6 Mpa)	(60M head of water or 87 psi)		
Class C		9 Bar		(0.9 Mpa)	(90M head of water or 130psi)		
Class D		12 Bar		(1.2 Mpa)	(120M head of water or 173 psi)		
Class E		15 Bar		(1.5 Mpa)	(150M head of water or 217 psi)		

SS141

For Underground Cables for Electrical Cable Protection

Nominal Size	Outside Diameter	Wall Thickness	Length
	(mm)	(mm)	(M)
150 (Class B)	168.0	4.5	6.0

SS213 WHITE



SS213 : 1998 Equivalent to BS5255, BS4514 & AS1415

For Soil, Waste And Vents System

Nominal Size	Outside Diameter	Wall Thickness	Length
	(mm)	(mm)	(M)
32 (1-1/4")	36.2	2.1	5.8
40 (1-1/2")	42.8	2.3	5.8
50 (2")	55.7	2.4	5.8
65 (2-1/2")	68.7	2.7	5.8
80 (3")	82.3	3.0	5.8
100 (4")	110.2	3.2	5.8
150 (6")	160.0	4.0	5.8

SS272 : 1983 Equivalent to BS4660, BS5481 & AS1260

For Underground Drainage and Sewers

Nominal Size	Outside Diameter	Wall Thickness	Length
	(mm)	(mm)	(M)
110 (4")	110.0	3.2	5.8
160 (6")	160.0	4.0	5.8
200 (8")	200.0	4.9	5.8
250 (10")	250.0	6.1	5.8
315 (12")	315.0	7.7	5.8

SS272 : 1983 Equivalent to BS4660, BS5481 & AS1260

For Underground Conduits for Telecommunication Cables

Nominal Size	Outside Diameter	Wall Thickness	Length
	(mm)	(mm)	(M)
110 (4")	110.0	3.2	6.0

UPVC CLEAR



LENGTH 3M

INCH	DIMENSION	unit: mm		
	OD	Thickness		
		tolerance	tolerence	
1/2"	21.34	±0.10	2.1	+0.5
3/4"	26.67	±0.10	2.1	+0.5
1"	33.40	±0.13	2.5	+0.5
1-1/4"	42.16	±0.13	2.8	+0.5
1-1/2"	48.26	±0.15	3.0	+0.5
2"	60.32	±0.15	3.5	+0.5
2-1/2"	73.02	±0.18	4.2	+0.6
3"	88.90	±0.20	4.7	+0.6
4"	114.30	±0.23	5.0	+0.7
6"	168.28	±0.28	5.9	+1.0
8"	219.08	±0.38	6.8	+1.0
10"	273.05	±0.38	8.0	+1.5
12"	323.85	±0.38	8.0	+1.5

UPVC Underground Cable Protection Pipe



SS272 : 2012 Equivalent to BS4660, BS5481 & AS1260

For Underground Conduits for Telecommunication Cables

Nominal Size	Outside Diameter	Wall Thickness	Length
	(mm)	(mm)	(M)
110 (4")	110.0	3.2	6.0

* The above pipes are manufactured in grey colour.

SS141 : 2013 Equivalent to BS3505, BS3506 & AS1477

For Underground Cables for Electrical Cable Protection

Nominal Size	Outside Diameter	Wall Thickness	Length
	(mm)	(mm)	(M)
50 (Class C)	60.0	2.5	5.8
75 (Class B)	88.7	2.7	5.8
100 (Class B)	114.0	3.4	5.8
100 (Class C)	114.0	4.5	5.8
150 (Class B)	168.0	4.5	6.0
150 (Class C)	168.0	6.6	5.8
200 (Class B)	218.8	5.3	5.8
250 (Class B)	272.6	6.6	5.8

* The above pipes are manufactured in grey colour.