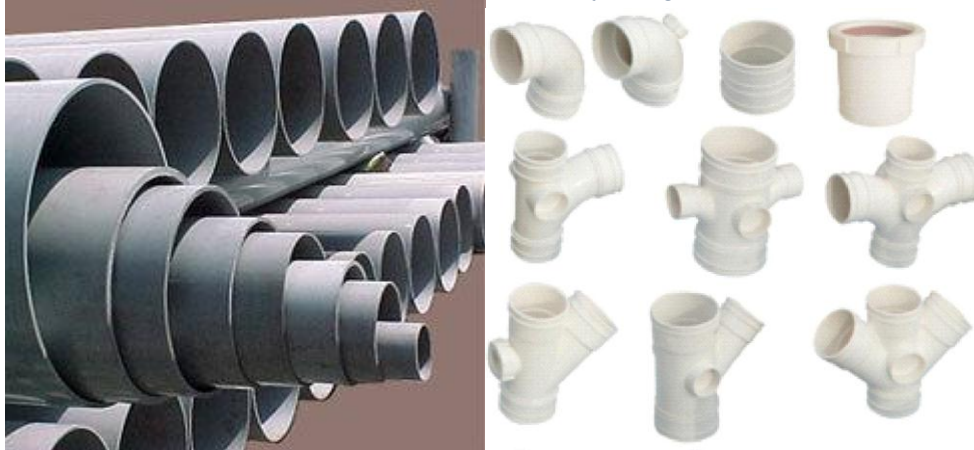


uPVC PIPES & FITTINGS

Unplasticised PVC (Rigid PVC) Pipes & Fittings today needs no introduction being one of the most ubiquitous piping systems, which is cost effective and improves the reliability of pipeline installations. They can be fabricated to close dimensional tolerances, are light without being weak, rigid without being brittle and cheaper per unit volume, when compared with any other piping material. The principal reason for the great economy of uPVC pipe & Fittings is not so much their cost per meter as delivered at site but the dramatic reduction in installation cost, which can be achieved by intelligent exploitation of their being lightweight, their availability in longer lengths, their ease of joining and immunity from corrosion.



Standards and Specifications:

Hatim's uPVC Pipes & Fittings can be manufactured to any customer as per specified International standard (such as ISO, ASTM, BS, BDS and others) or any customized specifications. Right from 15mm diameter pipes to up to 400 mm diameter high pressure pipes can be supplied within short lead times also from 80mm to 250mm diameter Fittings can be supplied as per customer requirement.

British Standard (BS) 3505: 1986

Nominal Size	Outside Diameter		Class B 6 Bar		Class C 9 Bar		Class D 12 Bar		Class E 15 Bar	
			Wall Thickness		Wall Thickness		Wall Thickness		Wall Thickness	
Inch	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
0.50"	21.2	21.5	--	--	--	--	--	--	1.7	2.1
0.75"	26.6	26.9	--	--	--	--	--	--	1.9	2.5
1.00"	33.4	33.7	--	--	--	--	--	--	2.2	2.7
1.25"	42.1	42.4	--	--	--	--	2.2	2.7	2.7	3.2
1.50"	48.1	48.4	--	--	--	--	2.5	3.0	3.1	4.5
2.00"	60.2	60.5	--	--	2.5	3.0	3.1	3.7	3.9	4.5
3.00"	88.7	89.1	2.9	3.4	3.5	4.1	4.6	5.3	5.7	6.6
4.00"	114.1	114.5	3.4	4.0	4.5	5.2	6.0	6.9	7.3	8.4
5.00"	140.0	140.4	3.8	4.4	5.5	6.4	7.3	8.4	9.0	10.4
6.00"	168.0	168.5	4.5	5.2	6.6	7.6	8.8	10.2	10.8	12.5

8.00"	218.8	219.4	5.3	6.1	7.8	9.0	10.2	11.9	12.6	14.5
9.00"	244.1	244.8	5.9	6.8	8.7	10.0	11.5	13.3	14.1	15.8
10.00"	272.6	273.4	6.6	7.6	9.7	11.2	12.8	14.8	15.7	18.1
12.00"	323.4	324.3	7.8	9.0	11.5	13.3	15.2	17.5	18.7	21.6
14.00"	355.0	356.0	8.5	9.8	12.6	14.5	16.7	19.2	20.5	23.6
16.00"	405.9	406.9	9.7	11.2	14.5	16.7	19.0	21.9	23.4	27.0
18.00"	456.7	457.7	11.0	12.7	16.3	18.8	21.4	24.6	--	--

BS 3506: 1969

Nominal Size	Outside Diameter		Class O (non- pre)		Class B 6 Bar		Class C 9 Bar		Class D 12 Bar	
			Wall Thickness		Wall Thickness		Wall Thickness		Wall Thickness	
Inch	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
0.50"	21.2	21.5	--	--	--	--	--	--	--	--
0.75"	26.6	26.9	--	--	--	--	--	--	--	--
1.00"	33.4	33.7	--	--	--	--	--	--	--	--
1.25"	42.1	42.4	--	--	--	--	--	--	2.2	2.7
1.50"	48.1	48.4	1.8	2.1	--	--	--	--	2.5	3.0
2.00"	60.2	60.5	1.8	2.1	--	--	2.5	3.0	3.1	3.7
3.00"	88.7	89.1	1.8	2.1	2.9	3.4	3.5	4.1	4.6	5.3
4.00"	114.1	114.5	2.3	2.6	3.4	4.0	4.5	5.2	6.0	6.9
5.00"	140.0	140.4	2.6	2.9	3.8	4.4	5.5	6.4	7.3	8.4
6.00"	168.0	168.5	3.1	3.4	4.5	5.2	6.6	7.6	8.8	10.2
8.00"	218.8	219.4	3.1	3.4	5.3	6.1	7.8	9.0	10.2	11.9
9.00"	244.1	244.8	3.1	3.4	5.9	6.8	8.7	10.0	11.5	13.3
10.00"	272.6	273.4	3.1	3.4	6.6	7.6	9.7	11.2	12.8	14.8
12.00"	323.4	324.3	3.1	3.4	7.8	9.0	11.5	13.3	15.2	17.5
14.00"	355.0	356.0	3.6	3.9	8.5	9.8	12.6	14.5	16.7	19.2
16.00"	405.9	406.9	4.1	4.5	9.7	11.2	14.5	16.7	19.0	21.9
18.00"	456.7	457.7	4.6	5.1	11.0	12.7	16.3	18.8	21.4	24.6

ISO 4422: 1990-2(E)

Nominal Outside Diameter dn	S 20 SDR 41 PN 5	S 16.7 SDR 34.4 PN 6	S 16 SDR 33 PN 6.3	S 12.5 SDR 26 PN 8	S 10 SDR 21 PN 10	S 8 SDR 17 PN 12.5	S 6.3 SDR 13.6 PN 16	S 4 SDR 9 PN 25
	Nominal Wall Thickness							
20	--	--	--	--	--	--	1.5	1.8
25	--	--	--	--	--	1.5	1.9	2.8
32	--	--	--	--	1.6	1.9	2.4	3.6
40	--	--	1.5	1.6	1.9	2.4	3.0	4.5

50	--	--	1.6	2.0	2.4	3.0	3.7	5.6
63	1.6	1.9	2.0	2.5	3.0	3.8	4.7	7.1
75	1.9	2.2	2.3	2.9	3.6	4.5	5.5	8.4
90	2.2	2.7	2.8	3.5	4.3	5.4	6.7	10.1

ISO 4422: 1990-2(E)

Nominal Outside Diameter dn		S 20 SDR 41 PN 6	S 16 SDR 33 PN 8	S 10 SDR 21 PN 10	S 8 SDR 17 PN 12.5	S 6.3 SDR 13.6 PN 16	S 6.3 SDR 13.6 PN 20	S 5 SDR 9 PN 25
	Nominal Wall Thickness							
110	--	2.7	3.4	4.2	5.3	6.6	8.1	10.0
125	--	3.1	3.9	4.8	6.0	7.4	9.2	11.4
140	--	3.5	4.3	5.4	6.7	8.3	10.3	12.7
160	--	4.0	4.9	6.2	7.7	9.5	11.8	14.6
180	--	4.4	5.5	6.9	8.6	10.7	13.3	16.4
200	--	4.9	6.2	7.7	9.6	11.9	14.7	18.2
225	--	5.5	6.9	8.6	10.8	13.4	16.6	--
250	--	6.2	7.7	9.6	11.9	14.8	18.4	--
280	--	6.9	8.6	10.7	13.4	16.6	20.6	--
315	--	7.7	9.7	12.1	15.0	18.7	23.2	--
355	--	8.7	10.9	13.6	16.9	21.1	26.1	--
400	--	9.8	12.3	15.3	19.1	23.7	29.4	--
450	--	11.0	13.8	17.2	21.5	26.7	33.1	--

The guiding principal of the company is to provide world standard quality to its customers by using quality raw materials and latest technology.

APPLICATIONS

There is virtually no limit to the varied uses of uPVC Pipe & Fittings. For your guidance we have listed below some typical examples of the many uses of Hatim uPVC Pipe & Fittings.

- Water Mains & Potable Water Services
- Cold Water Plumbing Services
- Fire Ring Mains
- Sewage Main-Pumped & Gravity Feed
- Drainage Installations-Domestic & Industrial
- Factory Supply Lines
- Slurry Lines
- Chemical Plant Installations

- Coal Washing Plant
- Power Station Screening Plant Pipelines.
- Power Station Chlorination Plant
- Water Aeration Plant
- Irrigation System
- Down Pipes for large rain water systems & Farm Buildings, Foot ball stands, etc. Storm Water Culverts
- Surface Water Drainage
- Sewage Farm Stand-Pipes and filter bed rotor arms
- Ducting for power and communication cables for crossing rivers. Estuaries, Roads, Rallies , Bridges, etc
- Irrigation Farm and range irrigation-system and sprinkler system.