



Giving best of the world

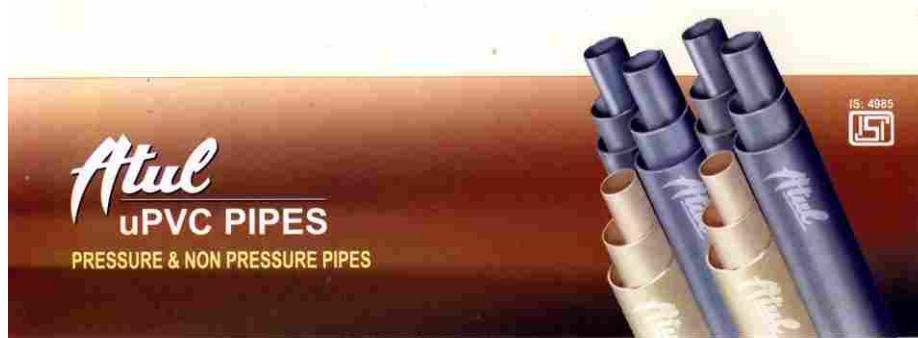


UNCOMPARABLE



AN ISO 9001:2000 CERTIFIED COMPANY

uPVC, Cassing, Ribbed Screen, Plumbing
SWR, Column Pipes



RANGE OF ATUL uPVC PIPES

Size : 20 mm to 315 mm

Pressure rating : 2.5, 4, 6, 10 kg/cm²

Standard : According to IS:4985

Capacity: 12000 Ton/ annum

DIMENSIONS OF UNPLASTICISED PVC PIPES (As per IS 4985:2000)

Nominal Outside Diameter (Nominal Size)	Wall Thickness														
	Mean Outside Diameter		Class 1 0.25		Class 2 0.40		Class 3 0.60		Class 4 0.80		Class 5 1.00		Class 6 1.25		
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	
20	20.0	20.3									1.1	1.5	1.4	1.8	
25	25.0	25.0							1.2	1.6	1.4	1.8	1.7	2.1	
32	32.0	32.3							1.5	1.9	1.8	2.2	2.2	2.7	
40	40.0	40.3							1.8	2.2	2.2	2.7	2.8	3.3	
50	50.0	50.3						1.4	1.8	2.2	2.7	2.8	3.3	3.4	4.0
63	63.0	63.3						1.7	2.1	2.3	2.8	2.8	3.3	4.3	5.0
75	75.0	75.3						2.2	2.7	2.8	3.3	3.5	4.1	5.1	5.9
90	90.0	90.3						2.6	3.1	3.4	4.0	4.2	4.9	6.1	7.1
110	110.0	110.4	1.3	1.7	1.8	2.2	3.1	3.7	4.0	4.6	5.0	5.7	6.1	7.1	
125	125.0	125.4	1.6	2.0	2.1	2.6	3.7	4.3	4.9	5.6	6.1	7.1	7.5	8.7	
140	140.0	140.5	1.8	2.2	2.5	3.0	4.3	5.0	5.6	6.4	6.9	8.0	8.5	9.8	
160	160.0	160.5	2.0	2.4	2.9	3.4	4.8	5.5	6.3	7.3	7.7	8.9	9.5	11.0	
180	180.0	180.6	2.3	2.8	3.7	4.3	5.4	6.2	7.2	8.3	8.8	10.2	10.9	12.6	
200	200.0	200.6	2.6	3.1	4.2	4.9	6.1	7.1	8.0	9.2	9.9	11.4	12.2	14.1	
225	225.0	225.7	2.9	3.4	4.6	5.9	6.8	7.9	8.9	10.3	11.0	12.7	13.6	15.7	
250	250.0	250.8	3.3	3.9	5.2	6.0	7.6	8.8	10.0	11.5	12.4	14.3	15.3	17.6	
280	280.0	280.9	3.6	4.2	5.7	6.5	8.5	9.8	11.2	12.9	13.8	15.9	17.0	19.6	
315	315.0	316.0	4.1	4.8	6.4	7.4	9.5	11.0	12.5	14.4	15.4	17.8	19.0	21.9	
			4.6	5.3	7.2	8.3	10.7	12.4	14.0	16.1	17.3	19.9	21.4	24.7	

(All dimensions in mm)

Notes:-

- The table is based on metric series of pipe dimensions given in ISO 161/1 in respect of pipe dimension and ISO DIS 4422.
- The wall thickness of pipes are based on a safe working stress of 6.8 MPa at 27°C and the working pressure gets reduced at sustained higher temperatures. Occasional rise in temperature as in summer season with concurrent corresponding reduction in temperature during nights has no deleterious effect on the life working pressure of the pipe considering the total life of pipes.
- For class 1, 2 and 3 of all sized, this requirement need not to be satisfied as the ratio of minimum wall thickness to nominal outside diameter does not exceed 0.35 in these cases.



RANGE OF ATUL CASSING & RIBBED SCREEN PIPES

Size : 40 mm to 250 mm(CS & CM) Size : 40 mm to 160 mm(Ribbed Screen)

1) DIMENSIONS OF 'CS' (CASING SHALLOW) CASING PIPES (As per IS 12818:1992) (For well depth upto 80 meters)

Nominal Diameter mm/inch	Mean Outside Diameter of Pipe		Outside Diameter of Pipe at Any Point		Wall Thickness		Outside Diameter Over Connection
	Min	Max	Min	Max	Min	Max	
150/ 6"	165.00	165.40	164.80	165.60	5.70	6.50	173.00
175/ 7"	200.00	200.50	199.80	200.60	7.00	7.80	212.00
200/ 8"	225.00	225.50	224.80	225.80	7.60	8.80	238.00
250/ 10"	280.00	279.60	279.60	280.00	9.60	11.00	292.00

2) DIMENSIONS OF 'CM' (CASING MEDIUM) CASING PIPES (As per IS 12818:1992) (For well depth between 80-250 meters)

Nominal Diameter mm/inch	Mean Outside Diameter of Pipe		Outside Diameter of Pipe at Any Point		Wall Thickness		Outside Diameter Over Connection
	Min	Max	Min	Max	Min	Max	
40/ 1.5"	48.00	48.20	48.00	48.30	3.50	4.00	52.00
50 / 2"	60.00	60.20	59.00	60.30	4.00	4.60	64.00
80 / 3"	88.00	88.30	88.00	88.40	4.00	4.60	94.00
100 / 4"	113.00	113.30	112.90	113.40	5.00	5.70	120.00
125 / 5"	140.00	140.00	139.90	140.50	6.50	7.30	150.00
150 / 6"	165.00	165.40	164.80	165.60	7.50	8.50	177.00
175 / 7"	200.00	200.50	199.80	200.60	8.80	9.80	215.00
200 / 8"	225.00	225.50	224.80	225.80	10.00	11.20	243.00
250 / 10"	280.00	280.50	279.80	280.00	12.50	14.00	298.00

3) DIMENSIONS OF CASING PIPES WITH RIBS (As per IS 12818:1992) (For well depth upto 250 meters)

Nominal Diameter mm/inch	Mean Outside Diameter of Pipe		Outside Diameter of Pipe at Any Point		Wall Thickness		Outside Diameter Over Connection
	Min	Max	Min	Max	Min	Max	
40/ 1.5"	52.00		51.90		3.50	4.00	56
50 / 2"	64.00		63.90		4.00	4.60	68
80 / 3"	92.00		91.80		4.00	4.60	98
100 / 4"	117.00		116.80		5.00	5.70	125
125 / 5"	144.00		144.00		6.50	7.30	154
150 / 6"	168.00		168.60		7.50	8.50	183
175 / 7"	204.00		204.00		8.80	9.80	221
200 / 8"	229.00		228.00		10.00	11.20	247

(All dimensions in mm)

Atul

Plumbing PIPES

Threaded and Solvent Weld



RANGE OF ATUL PLUMBING PIPES

Size : ½ Inch to 2 Inch **Standard :** As per ASTM D-1785
Schedule rating : 40, 80, 120 **Colour:** Blue & White

DIMENSION OF PLUMBING UPVC PIPES (As per IS 4985:2000)

Size in mm	O.D in mm (Max)	Wall Thickness in mm	
		Min	Max
20	20.30	2.80	3.30
25	25.30	2.90	3.40
32	32.30	3.40	3.90
40	40.30	3.60	4.20
50	50.30	3.70	4.30

DIMENSIONS OF ASTM Heavy Pressure Pipes at 23°C (As per ASTM D-1785)

Size (inches)	Mean O.D.	SCHEDULE 40			SCHEDULE 80			Thread Length (±2mm)	Thread per inch (nos)
		Wall Thickness		Pressure Rating (MPa)	Wall Thickness		Pressure Rating (MPa)		
		Min	Max		Min	Max			
½	21.24	2.77	3.28	4.14	4.73	4.24	5.86	15.00	14
¾	26.57	2.87	3.38	3.31	3.91	4.42	4.76	16.50	14
1	33.27	3.38	3.89	3.10	4.55	5.08	4.34	19.00	11
1 ¼	42.03	3.56	4.07	2.55	4.85	5.43	3.59	22.00	11
1 ½	48.11	3.88	4.19	2.28	5.08	5.69	3.24	22.00	11
2	60.17	3.91	4.42	1.93	5.54	6.20	2.76	30.00	11
2 ½	73.02	5.16	5.77	2.07	7.01	7.85	2.90	32.00	11
3	88.70	5.49	6.15	1.79	7.62	8.53	2.55	35.00	11
4	114.07	6.02	6.73	1.52	8.56	9.58	2.21	42.00	11

APPLICATIONS

DOMESTIC

- To provide water connections for bathrooms, kitchens, sinks and laboratories etc.
- Water supply and distribution in complexes, houses, flats, offices, hotels, hospitals & public places
- Water distribution in villages & colonies through tube wells and over head tanks.
- For hand pumps.

INDUSTRIAL

- Transport of chemicals & gases in industries.
- Transport of milk in dairies.



RANGE OF ATUL SWR PIPES

Size : 63 mm to 160 mm

Standard : As per IS:13592 (Type A & B)

DIMENSIONS OF SWR PIPES (As per IS 13592:1992)

Nominal Diameter DN	Mean Outside Diameter of Pipe		Outside Diameter of Pipe at Any Point		Wall Thickness	
	Min	Max	Min	Max	Min	Max
75 A	75.00	75.30	74.10	75.90	1.80	2.20
75 B	75.00	75.30	74.10	75.90	3.20	3.80
90 A	90.00	90.30	88.90	91.20	1.90	2.30
90 B	90.00	90.30	88.90	91.20	3.20	3.80
110 A	110.00	110.40	108.60	111.40	2.20	2.70
110 B	110.00	110.40	108.60	111.40	3.20	3.80
160 A	160.00	160.50	158.00	162.00	3.20	3.80
160 B	160.00	160.50	158.00	162.00	4.00	4.60

FOR SELFIT SOCKET

Outside Diameter DN	Socket Depth Min	Mean ID of Socket at Mid Point	
		Min	Max
75	40	75.10	75.30
90	46	90.10	90.30
110	48	110.10	110.40
160	58	160.20	160.50

FOR RINGFIT SOCKET

Inside Dia of Socket		Length of Beading & neck	Length Beyond Beading
Min	Max	Max	Min
75.30	76.20	20.00	25.00
90.30	91.20	23.00	28.00
110.40	111.30	26.00	32.00
160.50	161.50	32.00	42.00

(All dimensions in mm)

Atul
Submersible Column Pipes



RANGE OF ATUL COLUMN PIPES

Size : 1 Inch to 4 Inch

Length : 2 Mtr. & 3 Mtr.

DIMENSIONS OF COLUMN PIPES

	Size of Pipe	1" (25 mm)	1 1/4" (32 mm)	1 1/2" (40 mm)	2" (50 mm)	2 1/2" (65 mm)	3" (80 mm)	4" (100 mm)
Safe Pulling Load with Chain Pulley in kg.	Medium	800	1250	1350	1550	1920	2800	4150
	Standard	1325	1500	1750	2150	2750	4100	5800
	Heavy	-	1600	2025	3000	4250	5800	9600

Normal Diameter		O.D. Nominal	O.D. over connection, max.	Wall Thickness		
mm	Inch			Medium	Standard	Heavy
25	1"	33.40	46.00	3.70	5.10	-
32	1 1/4"	42.16	55.00	4.40	5.30	-
38	1 1/2"	48.26	62.00	4.80	5.40	-
50	2"	60.32	76.00	4.90	6.50	8.00
65	2 1/4"	73.02	94.50	5.50	6.80	9.10
80	3"	88.90	114.00	6.00	7.60	10.10
100	4"	114.30	136.50	6.50	8.60	12.20



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