



## Submersible Column Pipes

In order to tap the underground water resources, the most critical requirement while digging the bore-well / tube-well is of the rising main pipes. These pipes must have the ability to withstand high tensile loads. The most suitable & time tested material that meets this demand is uPVC, due to its inherent properties over galvanized pipes.

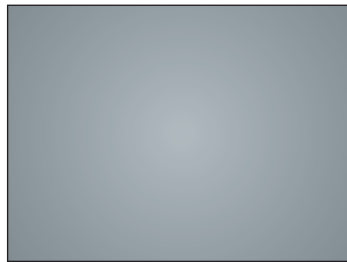
ZENITH uPVC Submersible Rising Main Pipes are the mainstay of any tube-well / bore-well. The unique square threads & clamping zone ensures real tight joints of male & female threads. The pipes are provided with rubber gasket & C.I. adaptor. The rising main pipes can be installed in all types of soil conditions whether acidic or alkaline. These pipes are available in standard 3 mtr. length in white color

## Benefits Over G.I. Pipes

1. Light Weight
2. Easy Installation
3. Non Corrosive in Nature
4. Maintenance Free
5. Economical
6. Lasts Longer
7. Smooth Inner Surface
8. Ensure Better Flow
9. Hygienic & Safe
10. High flow rate
11. High tensile load capacity



Pipes are provided with thread protectors



Sizes: 1", 1¼", 1½" also supplied with Bell threaded socketed ends, for quick and easy jointing



Rubber gasket for secure fitting



Extra ribs provided for better grip while tightening with wrench or vice

## Dimensions of Column Pipe

Nominal Diameter		O.D.	O.D. over connection max.	Wall Thickness (MM)							
mm	inch			Eco 12.5	Eco 15	Light Medium	Medium	Standard	Heavy	Belling 12.5	Belling 15
25	1.0"	33.10	49.00	3.2	3.2	-	3.9	5.3	5.7	3.7	4.1
32	1.25"	42.10	59.00	3.4	3.8	-	4.4	5.5	6.1	3.8	4.3
40	1.50"	48.10	66.00	-	4.2	-	5.1	5.5	6.3	-	4.6
50	2.00"	60.10	80.00	4.5	-	-	5.3	6.4	7.6	-	-
65	2.50"	75.10	93.00	-	-	4.5	5.3	6.9	7.5	-	-
80	3.00"	88.10	111.00	-	-	5.5	6.0	7.3	8.3	-	-
100	4.00"	113.10	136.20	-	-	5.5	6.5	8.3	10.6	-	-

Note: 2" also available in 10 kg - Wall Thickness - 4.2 mm  
4" also available for 275 ft. - Wall Thickness - 5.1 mm

## Pressure Rating for Column Pipes (Kg/cm<sup>2</sup>)

mm	Size	Eco 12.5	Eco 15	Light Medium	Medium	Standard	Heavy	Belling 12.5	Belling 15
25	1.0"	12.5	15	-	15	28	33	12.5	15
32	1.25"	12.5	15	-	15	26	33	12.5	15
40	1.50"	-	15	-	15	27	34	-	15
50	2.00"	12.5	-	-	17	21	28	-	-
65	2.50"	-	-	12	12	17	28	-	-
80	3.00"	-	-	10	10	17	28	-	-
100	4.00"	-	-	11	11	16	27	-	-

## Packing Details (Nos. of Pipes/Bundle)

Size	3 METER PIPE
1"	25
1.25"	25
1.5"	25
2"	15
2.5"	10
3"	5
4"	5

## Color Coding Of Pipes

CLASS OF PIPE	PRINTING COLOR
Eco 12.5/Belling 12.5	Orange
Eco 15/Belling 15	Orange
Light Medium	Green
Medium	Green
Standard	Blue
Heavy	Red

## Load & Pressure Technical Data

Outside Dia. Nominal Bore	Ultimate Breaking Load	Safe Pulling Load With Chain Pulley	Safe Allowable Hydrostatic Pressure (kg/cm <sup>2</sup> )	Safe Total Pump Delivery Head (mtr)	Safe Installation Depth (Mtr)	Safe Installation Depth (Ft)
<b>OD : 33mm (1") NB : 25mm</b>						
Eco 12.50/Belling 12.5	850	500	12.50	125.00	62.5	200
Eco 15 kg	1000	600	15.00	150.00	78.2	250
MEDIUM	1500	800	15.00	200.00	106.7	350
STANDARD	2000	1300	28.00	300.00	152.4	500
HEAVY	2600	1400	33.00	350.00	243.9	800
<b>OD : 42mm (1.25") NB : 32mm</b>						
Eco 12.50/Belling 12.5	1600	800	12.50	125.00	62.5	200
Eco 15 kg	1700	900	15.00	150.00	78.2	250
MEDIUM	1950	1200	15.00	170.00	106.7	350
STANDARD	2600	1500	26.00	250.00	152.4	500
HEAVY	3100	1550	33.00	350.00	243.9	800
<b>OD : 48mm (1.5") NB : 40mm</b>						
Eco 12.50 kg	1800	900	12.50	125.00	62.5	200
Eco 15/Belling 15	2000	1000	15.00	150.00	78.2	250
MEDIUM	2300	1200	15.00	170.00	106.7	350
STANDARD	3000	1500	27.00	250.00	152.4	500
HEAVY	4000	2000	34.00	350.00	243.9	800
<b>OD : 60mm (2") NB : 50mm</b>						
Eco 10 kg	2500	1500	10.00	75.00	45.7	150
Eco 12.5 kg	2700	1800	12.50	90.00	61.0	200
MEDIUM	3000	2000	17.00	150.00	106.7	350
STANDARD	3800	2100	21.00	200.00	152.4	500
HEAVY	4700	2850	28.00	270.00	243.9	800
<b>OD : 75mm (2.5") NB : 65mm</b>						
LIGHT MEDIUM	3500	1900	12.00	90.00	91.5	300
MEDIUM	4000	2300	12.00	100.00	106.7	350
STANDARD	5000	3500	17.00	160.00	152.4	500
HEAVY	7000	4000	28.00	260.00	243.9	800
<b>OD : 88mm (3") NB : 80mm</b>						
LIGHT MEDIUM	4500	2700	10.00	90.00	91.5	300
MEDIUM	5000	3000	10.00	110.00	106.7	350
STANDARD	8000	4000	17.00	170.00	152.4	500
HEAVY	9500	5700	28.00	250.00	243.9	800
<b>OD: 113mm (4") NB : 100mm</b>						
LIGHT MEDIUM	7500	4000	11.00	90.00	91.5	300
MEDIUM	9000	4500	11.00	100.00	106.7	350
STANDARD	11000	7000	16.00	150.00	152.4	500
HEAVY	16000	10000	27.00	250.00	243.9	800

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