

Submersible Delivery Pipes with
Circlip Lock
 For
 Thread-Safe
 Locking



FROM BORE PROTECTION TO GROUND WATER EXTRACTION, IT'S INDIA'S TRU-CHOICE.

Time-tested
 Borewell Piping Systems.



Pipes as per
 IS:12818



PRODUCT RANGE

Screen & Casing Pipes : 1/2" - 16"
 Cduumn Pipes : 1" - 4"



EXTENSIVELY USED IN



AGRICULTURE

QUALITY TEST

- Tensile test
- Impact test
- Vicat softening temperature test
- Effect on water test
- Hydraulic pressure test

APPLICATIONS

- To extract ground water for farms and fields.

- For connections to residential & commercial buildings, public places etc.

MAJOR ADVANTAGES

- Easy to transport, store, handle and install.
- Saves labour & installation cost.
- Smooth bore ensures higher flow compared to G.I. pipeline of the same size. No clogging.

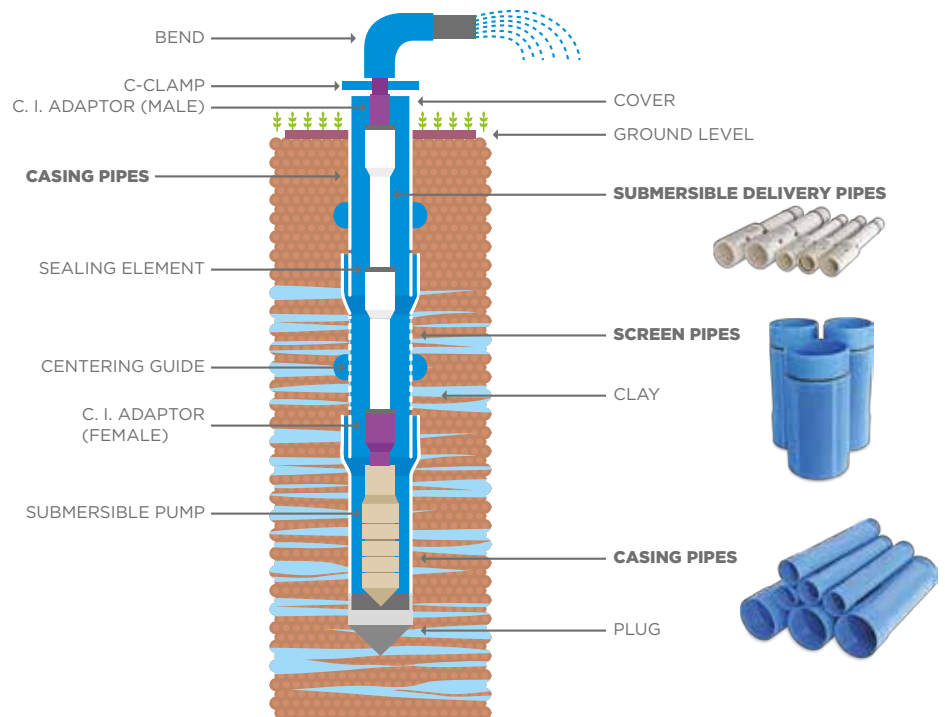
- Bore diameter remains constant, ensuring constant flow over lifetime.
- Superior resistance to most of the chemicals, no scaling, makes the system almost maintenance free.
- Long life.

JOINTING METHOD

Threaded Joint.

For borewell & tube well applications

FOR BOREWELL & TUBE WELL APPLICATIONS



SPECIFICATIONS

Specifications	Screen Pipes			Casing Pipes			Submersible Delivery Pipes/ Rising Main Pipes
	Ribbed	Plain	Medium	CM	CS	CD	
Colour	Blue	Blue	Blue	Blue	Blue	Blue	Ivory
Standard Length	3m	3m	3m	3m	3m	3m	3m
Standards	IS - 12818-2010 / Marked items will bear ISI marks						
Type of Threads	11 TPI V threads upto 80mm, 100mm (CS) Casing pipes as per IS-554-1999 & Trapezoidal threads form 100mm as per IS-12818-2010 with rubber sealing rings.						Square
Notes:							
A) Suitability: For wells				Above 80m 262ft. upto 250m 820ft.	upto 80m 262 ft.	Above 250m 820ft. upto 450m 1476ft.	
B) Threads	Pipes will have internal threads at one end external threads at other end with thread protection cover.						
C) Specification required	Slot width 0.75, 1.00, 1.50, 2.00 & 3.00 mm						

DIMENSIONS

MEDIUM WELL SCREEN (RMS) & DEEP WELL SCREEN (RDS) PIPES WITH RIBS/RIBBED SCREEN PIPES

Nominal Diameter (DN)		Mean Outer Diameter of pipe (d) (mm)		Medium Well Screen (RMS)			Deep Well Screen (RDS)		
				Mean Outer Diameter over Connection, (d's')	Wall Thickness (e) (under ribs) (mm)		Mean Outer Diameter over Connection, (d's')	Wall Thickness, 'e' (mm)	
Inches	mm	Min	Max	Max	Min	Max	Max	Min	Max
1 1/2	40.0	52.00	52.20	56.00	3.50	4.00	--	--	--
2	50.0	64.00	64.20	69.00	4.00	4.60	--	--	--
3	80.0	92.00	92.30	98.00	4.00	4.60	--	--	--
4	100.0	117.00	117.30	124.00	5.00	5.70	129.00	7.00	7.90
4 1/2	115.0	129.00	129.30	--	--	--	141.00	7.50	8.50
5	125.0	144.00	144.40	154.00	6.50	7.30	156.00	8.00	9.00
6	150.0	169.00	169.40	182.00	7.50	8.50	184.00	9.50	10.70
7	175.0	204.00	204.50	219.00	8.80	9.80	221.00	11.80	13.60
8	200.0	229.00	229.50	247.00	10.00	11.20	251.00	13.00	14.80
10	250.0	284.00	284.50	302.00	12.50	14.00	309.00	16.00	17.60
12	300.0	334.00	334.60	356.00	14.50	16.20	363.00	19.00	21.00
14	350.0	404.00	404.70	432.00	17.50	19.50	437.00	21.50	23.90
16	400.0	454.00	454.80	483.00	19.50	21.70	494.00	23.50	26.10

PLAIN MEDIUM WELL SCREEN (PMS) & PLAIN DEEP WELL SCREEN (PDS) PIPES

Nominal Diameter (DN)		Mean Outer Diameter of pipe (d) (mm)		Plain Medium Well Screen (PMS)			Plain Deep Well Screen (PDS)				
				Mean Outer Diameter over Connection, (d's')	Wall Thickness (e) (mm)		Outer Diameter at any point d'e' (mm)	Mean Outer Diameter over Connection, d's'		Wall Thickness, 'e' (mm)	
Inches	mm	Min	Max	Max	Min	Max	Min	Max	Max	Min	Max
8	200	225.00	225.50	243.00	10.00	11.20	224.50	225.80	247.00	13.00	14.80
10	250	280.00	280.50	298.00	12.50	14.00	279.40	280.80	304.00	16.00	17.60
12	300	330.00	330.60	352.00	14.50	16.20	329.30	331.00	359.00	19.00	21.00
14	350	400.00	400.70	428.00	17.50	19.50	399.20	401.20	433.00	21.50	23.90
16	400	450.00	450.80	479.00	19.50	21.70	449.10	451.30	490.00	23.50	26.10

MEDIUM WELL CASING (CM) & SHALLOW WELL CASING (CS) PIPES

Nominal Diameter (DN)		Mean Outer Diameter of pipe (d) (mm)		Medium Well Casing (CM) Pipes			Shallow Well Casing (CS) Pipes		
				Mean Outer Diameter over Connection, (d's')	Wall Thickness e (mm)		Mean Outer Diameter over Connection, (d's')	Wall Thickness, 'e' (mm)	
Inches	mm	Min	Max	Max	Min	Max	Max	Min	Max
1 1/2	40.0	48.00	48.20	52.00	3.50	4.00	--	--	--
2	50.0	60.00	60.20	65.00	4.00	4.60	--	--	--
3	80.0	88.00	88.30	94.00	4.00	4.60	--	--	--
4	100.0	113.00	113.30	120.00	5.00	5.70	--	--	--
5	125.0	140.00	140.40	150.00	6.50	7.30	--	--	--
6	150.0	165.00	165.40	178.00	7.50	8.50	174.00	5.70	6.50
7	175.0	200.00	200.50	215.00	8.80	9.80	211.00	7.00	7.80
8	200.0	225.00	225.50	243.00	10.00	11.20	238.00	7.60	8.80
10	250.0	280.00	280.50	298.00	12.50	14.00	292.00	9.60	11.00
12	300.0	330.00	330.60	352.00	14.50	16.20	--	--	--

Note: 32mm (1 1/2") Nominal Diameter pipes are available on special request.

DEEP WELL CASING (CD) PIPES

Nominal Diameter (DN)		Mean Outer Diameter of pipe d'em' (mm)		Outer Diameter at any point d'e' (mm)		Mean outer Diameter over Connection, (d's')	Wall thickness, 'e' (mm)	
Inches	mm	Min	Max	Min	Max	Max	Min	Max
4	100.0	113.00	113.30	112.80	113.40	125.00	7.00	7.90
4 1/2	115.0	125.00	125.30	124.90	125.40	137.00	7.50	8.50
5	125.0	140.00	140.40	139.70	140.50	152.00	8.00	9.00
6	150.0	165.00	165.40	164.60	165.60	180.00	9.50	10.70
7	175.0	200.00	200.50	199.60	200.60	217.00	11.80	13.60
8	200.0	225.00	225.50	224.50	225.80	247.00	13.00	14.80
10	250.0	280.00	280.50	279.40	280.80	304.00	16.00	17.60
12	300.0	330.00	330.60	329.30	331.00	359.00	19.00	21.00
14	350.0	400.00	400.70	399.20	401.20	433.00	21.50	23.90
16	400.0	450.00	450.80	449.10	451.30	490.00	23.50	26.10

SUBMERSIBLE DELIVERY PIPES/RISING MAIN PIPES

Product OD - Outside Dia. ND - Nominal Dia. in mm			Pressure Kg/cm ²	Safe total pump delivery Head (m)	Ultimate Breaking Load (Kg)	Safe Pulling Load (Kg)	Screen Colour	STD Packing
Size	Type	Category						
1 OD-33.30 ND-25.00	Coupler	V 4	12.5	125	850	500	Royal Claret	28
			17	170	950	600	Green	
		Std	19	190	1250	750	Orange	28
			32	320	1750	1100	Red	28
	Bell Form Coupler	V4	12.5	125	850	500	Royal Claret	28
		V4	17	170	950	600	Green	
1 1/4 OD-42.10 ND-32.00	Coupler	V 4	12.5	125	1350	800	Royal Claret	20
			7	170	1500	900	Green	
		Std	19	190	1725	1000	Orange	20
			25	250	2350	1400	Red	20
	Heavy	32	320	2900	1750	Blue	20	
		Bell Form Coupler	V4	12.5	125	1350	800	Royal Claret
17	170			1500	900	Green		
1 1/2 OD-48.20 ND-40.00	Coupler	V 4	16	160	1850	1100	Green	16
		Medium	19	190	2400	1450	Orange	16
		Std	22	220	2750	1650	Red	16
		Heavy	32	320	3700	2250	Blue	16
2 OD-60.20 ND-50.00	Coupler	Medium	13	130	2450	1450	Orange	12
		Std	18	180	3500	2100	Red	12
		Heavy	23	230	4600	2800	Blue	12
2 1/2 OD-75.00 ND-65.00	Coupler	Medium	10	100	3100	1800	Orange	8
		Std	14	140	4500	2700	Red	8
		Heavy	21	210	6450	3900	Blue	8
3 OD-88.00 ND-80.00	Coupler	Medium	10	100	4100	2450	Orange	6
		Std	14	140	6400	3800	Red	6
		Heavy	20	200	8900	5300	Blue	6
4 OD-113.00 ND-100.00	Coupler	Medium	9	90	6500	3900	Orange	4
		Std	12	120	9250	5550	Red	4
		Heavy	19	190	14450	8700	Blue	4

Note: Submersible Pipes with "Bell Form" available on 1" & 1 1/4" -V4 category with 12.5 & 17Kg Pressure rating).