



ANGELSTM
PIPES
giving wings to water



Product Catalogue

PIPES | uPVC AGRI., HDPE
uPVC CASING

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uPVC Casing Pipes



■ Features and Benefits

- Non-corrosive for a longer life cycle.
- Lighter in weight for easy handling and installation.
- Economical with lower transportation and handling costs.
- Long life cycle, more than 30 years.
- Anti-corrosive and non-conductive to avoid electrochemical reactions.
- Ensures water quality, doesn't affect taste or odor.
- Excellent stiffness and strength.
- Provides convenient and reliable joints.
- Trapezoidal threads for strong joints.
- Horizontal slots for higher permeability and reduced well entrance.



Dimension of 'CS' casing pipes - for Bore Well Depth upto 80 meters

NOMINAL DIAMETER DN	MEAN OUTSIDE DIAMETER OF PIPE		OUTSIDE DIAMETER OF PIPE AT ANY POINT		MEAN OUTSIDE DIAMETER OVER CONNECTION	WALL THICKNESS	
	Min.	Max.	Min.	Max.	Max.	Min.	Max.
150	165	165.4	164.80	165.6	174	5.7	6.5
175	200	200.5	199.8	200.6	211	7	7.8
200	225	225.5	224.8	225.8	238	7.6	8.8
250	280	280.5	279.6	280.8	292	9.6	11

uPVC Casing Pipes

Dimensions of 'CM' Casing Pipes - for Bore Well Depth between 80-250 Meters

NOMINAL DIAMETER DN	MEAN OUTSIDE DIAMETER OF PIPE		OUTSIDE DIAMETER OF PIPE AT ANY POINT		MEAN OUTSIDE DIAMETER OVER CONNECTION	WALL THICKNESS	
	Min.	Max.	Min.	Max.	Max.	Min.	Max.
40	48	48.2	48,00	48.3	52	3.5	4
50	60,00	60.2	59.9	60.3	65	4	4.6
80	88	88.3	88	88.4	94	4	4.6
100	113	113.3	112.9	113.4	120	5	5.7
125	140	140.4	139.9	140.5	150	6.5	7.3
150	165	165.4	164.8	165.6	178	7.5	8.5
175	200	200.5	199.8	200.6	215	8.8	9.8
200	225	225.5	224.8	225.8	243	10	11.2
250	280	280,50	279.6	280.8	298	12.5	14

Dimensions of 'CD' Casing Pipes - for Bore Well Depth between 250-400 Meters

NOMINAL DIAMETER DN	MEAN OUTSIDE DIAMETER OF PIPE		OUTSIDE DIAMETER OF PIPE AT ANY POINT		MEAN OUTSIDE DIAMETER OVER CONNECTION	WALL THICKNESS	
	Min.	Max.	Min.	Max.	Max.	Min.	Max.
100	113	113.3	112.8	113.4	125	7	7.9
115	125	125.3	124.9	125.4	137	7.5	8.5
125	140	140.4	139.7	140.5	152	8	9
150	165	165.4	164.6	165.6	180	9.5	10.7
175	200	200.5	199.6	200.6	217	11.8	13.6
200	225	225.5	224.5	225.8	247	13	14.8
250	280	280.5	279.4	280.8	304	16	17.6
300	330	330.6	329.3	331	359	19	21

Dimensions of Screen Pipes with RIBS

NOMINAL DIAMETER DN	MEAN OUTSIDE DIAMETER OF PIPE	OUTSIDE DIAMETER OF PIPE AT ANY POINT	MEAN OUTSIDE DIAMETER OVER CONNECTION	WALL THICKNESS	
	Min.	Max.	Max.	Min.	Max.
40	52	51.9	56	3.5	4
50	64	63.9	69	4	4.6
80	92	91.8	98	4	4.6
100	117	116.8	124	5	5.7
150	168	168.6	182	7.5	8.5
200	229	228.5	247	10	11.2

HDPE Pipes

■ Wall Thickness for Category Pe - 63

	SDR	SDR 41		SDR 33		SDR 26		SDR 21		SDR 17		SDR 13.6		SDR 11	
Size	PE63	PN 2		PN 2.5		PN 3.2		PN 4		PN 5		PN 6		PN 8	
Inch	Nominal OD mm	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1	32									1.9	2.2	2.4	2.7	2.9	3.3
1.25	40							1.9	2.2	2.4	2.7	3.0	3.4	3.7	4.2
1.5	50					2.0	2.3	2.4	2.7	3.0	3.4	3.7	4.20	4.60	5.20
2	63					2.5	2.9	3.0	3.4	3.7	4.2	4.7	5.3	5.8	6.5
2.5	75	1.9	2.2	2.3	2.3	2.9	3.3	3.6	4.1	4.5	5.1	5.6	6.3	6.9	7.7
3	90	2.2	2.5	2.8	2.8	3.5	4.0	4.3	4.8	5.3	5.9	6.7	7.5	8.2	9.1
4	110	2.7	3.1	3.4	3.4	4.3	4.8	5.9	6.6	6.5	7.3	8.1	9.0	10.0	11.1

■ Wall Thickness for Category Pe - 80

	SDR	SDR 41		SDR 33		SDR 26		SDR 21		SDR 17		SDR 13.6		SDR 11		SDR 9		SDR 7.4		SDR 6	
Size	PE80	PN 2.5		PN 3.2		PN 4		PN 5		PN 6		PN 8		PN 10		PN 12.5		PN 16		PN 20	
Inch	Nominal OD (mm)	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1	32									1.9	2.2	2.4	2.7	2.9	3.3	3.6	4.1	4.4	4.9	5.4	6.0
1.25	40							1.9	2.2	2.4	2.7	3.0	3.4	3.7	4.2	4.5	5.1	5.4	6.0	6.7	7.5
1.5	50					2.0	2.3	2.4	2.7	3.0	3.4	3.7	4.2	4.6	5.2	5.6	6.3	6.8	7.6	8.4	9.3
2	63					2.5	2.9	3.0	3.4	3.7	4.2	4.7	5.3	5.8	6.5	7.0	7.8	8.6	9.6	10.5	11.7
2.5	75	1.9	2.2	2.3	2.6	2.9	3.3	3.6	4.1	4.5	5.1	5.6	6.3	6.9	7.7	8.4	9.5	10.2	11.3	12.5	13.9
3	90	2.2	2.5	2.8	3.2	3.5	4.0	4.3	4.8	5.3	5.9	6.7	7.5	8.2	9.1	10.0	11.1	12.2	13.5	15.0	16.6
4	110	2.7	3.1	3.4	3.8	4.3	4.8	5.9	6.6	6.5	7.3	8.1	9.0	10.0	11.1	12.3	13.6	14.9	16.5	18.4	20.3

■ Wall Thickness for Category Pe - 100

	SDR	SDR 41		SDR 33		SDR 26		SDR 21		SDR 17		SDR 13.6		SDR 11		SDR 9		SDR 7.4	
Size	PE 100	PN 3		PN 4		PN 5		PN 6		PN 8		PN 10		PN 12.5		PN 16		PN 20	
Inch	Nominal OD mm	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1	32									1.9	2.2	2.4	2.7	2.9	3.3	3.6	4.1	4.4	4.9
1.25	40							1.9	2.2	2.4	2.7	3.0	3.4	3.7	4.2	4.5	5.1	5.4	6.0
1.5	50					2.0	2.3	2.4	2.7	3.0	3.4	3.7	4.2	4.6	5.2	5.6	6.3	6.8	7.6
2	63					2.5	2.9	3.0	3.4	3.7	4.2	4.7	5.3	5.8	6.5	7.0	7.8	8.6	9.6
2.5	75	1.9	2.2	2.3	2.6	2.9	3.3	3.6	4.1	4.5	5.1	5.6	6.3	6.9	7.7	8.4	9.5	10.2	11.3
3	90	2.2	2.5	2.8	3.2	3.5	4.0	4.3	4.8	5.3	5.9	6.7	7.5	8.2	9.1	10.0	11.1	12.2	13.5
4	110	2.7	3.1	3.4	3.8	4.3	4.8	5.9	6.6	6.5	7.3	8.1	9.0	10.0	11.1	12.3	13.6	14.9	16.5



uPVC Pressure Agri Pipes

Application

- Water supply for agriculture and irrigation systems.
- Rural & Urban water supplies, Gas and Oil Supplies.
- Sewerage and drainage systems.
- Building water supply application.

Salient Features

- Corrosion Free
- Inert to Chemicals
- Easy Installation & Handling
- Very Low Friction Losses
- Non Toxic & Termite Proof

Special Features & Identity

- Internal surface is very smooth which reduces friction loss.
- Specifications followed : IS 4985:2021
- UV stabilized for use in sunlight.
- Very high pressure resistant capacity.



Technical Parameters

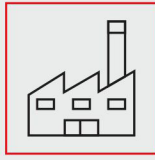
IS 4985:2021 (All Dimensions in mm)

Pipe Size (Inch)	Nominal Outside diameter (nominal Size)	Mean Outside diameter	Outside diameter at any Poin	Class-1 0.25 Mpa (2.5kg/cm ²)	Class-2 0.40 Mpa (4kg/cm ²)	Class-3 0.60 Mpa (6kg/cm ²)	Class-4 0.80 Mpa (8kg/cm ²)	Class-5 1.00 Mpa (10kg/cm ²)	Class-6 1.25 Mpa (12.5kg/cm ²)
		Min-Max	Min-Max	Min-Max	Min-Max	Min-Max	Min-Max	Min-Max	Min-Max
0.5"	20	20.0 - 20.3	19.5 - 20.5	-	-	-	-	1.1 - 1.5	1.4 - 1.8
0.75"	25	25.0 - 25.3	24.5 - 25.5	-	-	-	1.2 - 1.6	1.4 - 1.8	1.7 - 2.1
1.0"	32	32.0 - 32.3	31.5 - 32.5	-	-	-	1.5 - 1.9	1.8 - 2.2	2.2 - 2.7
1.25"	40	40.0 - 40.3	39.5 - 40.5	-	-	1.4 - 1.8	1.8 - 2.2	2.2 - 2.7	2.8 - 3.3
1.5"	50	50.0 - 50.3	49.4 - 50.6	-	-	1.7 - 2.1	2.3 - 2.8	2.8 - 3.3	3.4 - 4.0
2.0"	63	63.0 - 63.3	62.2 - 63.8	-	1.5 - 1.9	2.2 - 2.7	2.8 - 3.3	3.5 - 4.1	4.3 - 5.0
2.5"	75	75.0 - 75.3	74.1 - 75.9	-	1.8 - 2.2	2.6 - 3.1	3.4 - 4.0	4.2 - 4.9	5.1 - 5.9
3.0"	90	90.0 - 90.3	88.9 - 91.1	1.3 - 1.7	2.1 - 2.6	3.1 - 3.7	4.0 - 4.6	5.0 - 5.7	6.1 - 7.1
4.0"	110	110.0 - 110.4	108.6 - 111.4	1.6 - 2.0	2.5 - 3.0	3.7 - 4.3	4.9 - 5.6	6.1 - 7.1	7.5 - 8.7
4.5"	125	125.0 - 125.4	123.5 - 126.5	1.8 - 2.2	2.9 - 3.4	4.3 - 5.0	5.6 - 6.4	6.9 - 8.0	8.5 - 9.8
5.0"	140	140.0 - 140.5	138.3 - 141.7	2.0 - 2.4	3.2 - 3.8	4.8 - 5.5	6.3 - 7.3	7.7 - 8.9	9.5 - 11.0
6.0"	160	160.0 - 160.5	158.0 - 162.0	2.3 - 2.8	3.7 - 4.3	5.4 - 6.2	7.2 - 8.3	8.8 - 10.2	10.9 - 12.6
7.0"	180	180.0 - 180.6	177.8 - 182.2	2.6 - 3.1	4.2 - 4.9	6.1 - 7.1	8.0 - 9.2	9.9 - 11.4	12.2 - 14.1
8.0"	200	200.0 - 200.6	197.6 - 202.4	2.9 - 3.4	4.6 - 5.3	6.8 - 7.9	8.9 - 10.3	11.0 - 12.7	13.6 - 15.7
9.0"	225	225.0 - 225.7	222.3 - 227.7	3.3 - 3.9	5.2 - 6.0	7.6 - 8.8	10.0 - 11.5	12.4 - 14.3	15.3 - 17.6
10.0"	250	250.0 - 250.8	248.0 - 253.0	3.6 - 4.2	5.7 - 6.5	8.5 - 9.8	11.2 - 12.9	13.8 - 15.9	17.0 - 19.6
11.0"	280	280.0 - 280.9	276.6 - 283.4	4.1 - 4.8	6.4 - 7.4	9.5 - 11.0	12.5 - 14.4	15.4 - 17.8	19.0 - 21.9
12.0"	315	315.0 - 316.0	311.2 - 318.8	4.6 - 5.3	7.2 - 8.2	10.7 - 12.4	14.0 - 16.1	17.3 - 19.9	21.4 - 24.7
14.0"	355	355.0 - 356.1	350.7 - 359.3	5.1 - 5.9	8.1 - 9.4	12.0 - 13.8	15.8 - 18.2	19.6 - 22.6	24.1 - 27.8
16.0"	400	400.0 - 401.2	395.2 - 404.8	5.8 - 6.7	9.1 - 10.5	13.5 - 15.6	17.8 - 20.5	22.0 - 25.3	27.2 - 31.3

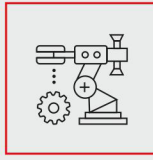
■ Manufacturing Superiority



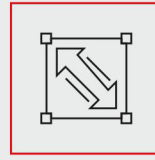
Quality
Raw Material



In House
Testing



World Class
Machines



Plant
Capacity

■ Manufacturer Of

- uPVC Column Pipes & Accessories
- uPVC Pressure Agri Pipes & Fittings
- HDPE Pipes
- Submersible Cables
- Sprinkler Pipes & Fittings
- Garden Pipes
- uPVC Plumbing Pipes & Fittings
- cPVC Plumbing Pipes & Fittings
- uPVC Casing Pipes
- SWR Pipe & Fittings
- Suction Pipes



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