

An ISO 9001
Certified Company

SKIPPER
PIPES

IS:4984-2016



CMLNO
5400067912

HIGH DENSITY POLYETHYLENE PIPES

For Portable Water and Fluid Applications

www.skipperpipes.in

HDPE

HIGH DENSITY POLY ETHYLENE PIPING SYSTEM

Foreword

Skipper HDPE Pipes are safe durable and cost effective solution for various application. Strength tests on raw material & finished goods assists to provide the quality as per standard IS:4984-2016.

Key Features

- Excellent resistance to Corrosion, Abrasion & Chemical.
- High Ductility & Toughness.
- Excellent resistance to Water Hammers.
- Excellent Weldability.
- Low Installation Cost.
- Durable & Cost Effective.
- High flow characteristics.
- Minimum friction loss.

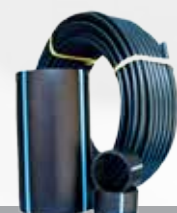


Product Range

- Size: 20 MM to 400 MM
- Pressure Class: SDR 41 to SDR 6 (PN2 to PN20)
- Grades: PE63, PE80, PE100.

Application

- Distribution mains line & house connections for water supply.
- Bore well installations with submersible pumps for water supply.
- Coal handling in mines.
- Chemical lines & other Industrial application.
- Agriculture & Lift Irrigation.
- Under water pipelines & Desalination plants.



Dimension Details as per IS 4984 : 2016

SDR	SDR 41		SDR 33		SDR 26		SDR 21		SDR 17		SDR 13.6		SDR 11		SDR 9		SDR 7.4		SDR 6		
Nominal Pressure (PN) Bar																					
PE 63	PN 2		PN 2.5		PN 3.2		PN 4		PN 5		PN 6		PN 8		-		PN 16		PN 20		
PE 80	PN 2.5		PN 3.2		PN 4		PN 5		PN 6		PN 8		PN 10		PN 12.5		PN 16		PN 20		
PE 100	PN 3		PN 4		PN 5		PN 6		PN 8		PN 10		PN 12.5		PN 16		PN 20		PN 20		
Nominal OD mm	Min mm	Max mm	Min mm	Max mm	Min mm	Max mm	Min mm	Max mm	Min mm	Max mm	Min mm	Max mm	Min mm	Max mm	Min mm	Max mm	Min mm	Max mm	Min mm	Max mm	
16														1.8	2.1	2.2	2.5	2.7	3.1		
20													1.9	2.2	2.3	2.6	2.7	3.1	3.4	3.8	
25												1.9	2.2	2.3	2.6	2.8	3.2	3.4	3.8	4.2	4.7
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
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	
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	
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	
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	9.3	10.2	11.3	12.5	13.9	
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	
110	2.7	3.1	3.4	3.8	4.3	4.8	5.3	6.0	6.5	7.3	8.1	9.0	10.0	11.1	12.3	13.6	14.9	16.5	18.4	20.3	
125	3.1	3.5	3.8	4.3	4.8	5.4	6.0	6.7	7.4	8.2	9.2	10.2	11.4	12.7	13.9	15.4	16.9	18.7	20.9	23.1	
140	3.5	4.0	4.3	4.8	5.4	6.0	6.7	7.5	8.3	9.2	10.3	11.4	12.8	14.2	15.6	17.3	19.0	21.0	23.4	25.8	
160	3.9	4.4	4.9	5.5	6.2	6.9	7.7	8.6	9.5	10.6	11.8	13.1	14.6	16.2	17.8	19.7	21.7	24.0	26.7	29.5	
180	4.4	4.9	5.5	6.2	7.0	7.8	8.6	9.6	10.6	11.8	13.3	14.7	16.4	18.1	20.0	22.1	24.4	26.9	30.0	33.1	
200	4.9	5.5	6.1	6.8	7.7	8.6	9.6	10.7	11.8	13.1	14.7	16.3	18.2	20.1	22.3	24.6	27.1	29.9	33.4	36.8	
225	5.5	6.2	6.9	7.7	8.7	9.7	10.8	12.0	13.3	14.7	16.6	18.4	20.5	22.7	25.0	27.6	30.5	33.7	37.5	41.4	
250	6.1	6.8	7.6	8.5	9.7	10.8	12.0	13.3	14.7	16.3	18.4	20.3	22.8	25.2	27.8	30.7	33.8	37.3	41.7	46.0	
280	6.9	7.7	8.5	9.5	10.8	12.0	13.4	14.8	16.5	18.3	20.6	22.8	25.5	28.2	31.2	34.4	37.9	41.8	46.7	51.5	
315	7.7	8.6	9.6	10.7	12.2	13.5	15.0	16.6	18.6	20.6	23.2	25.6	28.7	31.7	35.0	38.6	42.6	47.0	52.5	57.9	
355	8.7	9.7	10.8	12.0	13.7	15.2	16.9	18.7	20.9	23.1	26.1	28.8	32.3	35.6	39.5	43.6	48.0	52.9	59.2	65.2	
400	9.8	10.9	12.2	13.5	15.4	17.0	19.1	21.1	23.6	26.1	29.5	32.6	36.4	40.1	44.5	49.1	54.1	59.6	66.7	73.5	

Availability

Size(mm)	Length(mtr.)	
	Coil Form	Straight Length
20-50	100,200,300,500 & 1000	-
63-75	100, 200 & 300	6 to 12
90-110	50, 100	6to 12
125-400	-	6to 12



Joining Techniques

Procedure

In Butt Welding, fusion areas (ends of pipes or fittings) are heated under controlled pressure.

- a) Cleaning of Pipes, Tools & Heating plates.
- b) Clamp & Adjust the pipe or piping part.
- c) Assemble the clamp & the same time check alignment of pipe.
- d) Set & ensure heating plate temperature at 200° to 220°C. Position the heating plate in butt welding machine, after attaining fusion temperature.
- e) Pipe or fitting surfaces to be pressed against the heating element with the required force until entire circumference of each of the joining faces rests completely against it & a bead is formed.
- f) Push the heated pipe ends together after heating immediately with pressure to form joint.
- g) Allow pipes with joints to be cooled for some time.

Note: Above information is true & right as per our belief & knowledge, though any error occurred, Skipper is not liable. Any of the information specification could be modified & changed without any prior information.



Complete range of PVC Pipes & Bath Fittings

CPVC | UPVC | SWR | UGD | HDPE | BOREWELL | AGRICULTURE
CISTERN | SEAT COVER | BATH FITTINGS

Toll Free:1800 120 6842

SKIPPER
PIPES

SKIPPER LIMITED

3A, Loudon Street, Kolkata-700017, West Bengal, India
PH.: 90512 12345 | Email:mail@skipperlimited.com | www.skipperlimited.com

WORKS

Guwahati (Assam) | Uluberia (West Bengal)