INDUSTRIAL

PPR PIPES & FITTINGS

HDPE PIPES & FITTINGS

Building a stronger
nation from within


SKIPPER HDPE PIPE
SKIPPER HDPE PIPE
SKIPPER HDPE PIPE

PPR-C
Piping System

Nailing Performance In Acute Temperatures

Ideal Solution for HOT & COLD Applications

IS 15801 : 2008
CML - 5400071192

Skipper Poly-propylene Piping system is safe, durable, high performance and cost effective solution for various Heating-Chilling and Hot-Cold water applications. Pipes & Fittings are usually joined together by Poly-fusion welding. PPR-C Pipes are recommened for a maximum water temprature upto 95^0 C.

Product Range

PIPES	FITTINGS
20 mm to 110 mm Single Layer & Triple Layer	20 mm to 110 mm

Standard

PIPES				
Size (mm)	**Working Pressure (Kg/cm^2)**	**Standard**	**Colour**	**Jointing Method**
20mm to 110mm	10,16 & 20	IS : 15801-2008	Single layer pipes - Green, Blue Triple layer pipes - Outer layer in Green	Poly-fusion welding

FITTINGS				
Size (mm)	**Working Pressure (Kg/cm^2)**	**Standard**	**Colour**	**Jointing Method**
20mm to 110mm	20 & 25	DIN : 16962	Green & Blue	Socket Ends suitable for fusion welding. For transition joint fittings with threaded metal inserts.

**Few ranges comply company manufacturing standards*

Features & Benefits

- Low Thermal Conductivity
- Non Toxic & Low Flammability
- Smooth Inner Surface
- Withstands Atmospheric Conditions
- Excellent Resistance to Corrosion, Abrasion & Chemicals
- Undermine Microbial Growth
- Cost Effective
- Low Pressure Drop

PPR-C PIPES & FITTINGS

Ideal Solution for HOT & COLD Applications

Jointing Method:

Cutting: Cut the pipe at right angles in required length & deburr the cut end if required.

Cleaning: Clean the welding parts of PPR pipes & fittings to avoid sand, dust & other damage to joint quality.

Marking: Mark the required insertion depth (welding depth) on the pipe with the help of a suitable marker.

Heating: Ensure that the indicator light on the welding device signals that the device is hot enough (260-280° C) for welding. First weld can be made after 5 minutes when heating light gets off. Heat the pipe and fitting on the polyfusion device as per the recommended heating times. (The heating time starts, when pipe and fitting have been pushed to the correct welding depth on the matrices.) While heating the pipe and fitting in the matrices, apply slight pressure from both sides.

Welding: After specified heating time, remove the pipe and fitting out of the matrices. Do not turn or twist the pipe or fitting while pushing in to the matrices and pulling out of the them. Heated end of the pipe should be pushed in to the flared end of the hot fitting down to the previously marked depth.




Dimensions | As per IS 15801 : 2008

Standard Dimension Ratio (SDR) and Corresponding Wall Thicknesses of Pipes IS 15801:2008						
SDR	SDR 11		SDR 7.4		SDR 6	
Nominal Pressure (PN) Bar						
Nominal Size (DN) mm	PN 10		PN 16		PN 20	
	Min mm	Max mm	Min mm	Max mm	Min mm	Max mm
16			2.2	2.7	2.7	3.2
20	1.9	2.3	2.8	3.3	3.4	4.0
25	2.3	2.8	3.5	4.1	4.2	4.9
32	2.9	3.4	4.4	5.1	5.4	6.2
40	3.7	4.3	5.5	6.3	6.7	7.6
50	4.6	5.3	6.9	7.8	8.3	9.4
63	5.8	6.6	8.6	9.7	10.5	11.8
75	6.8	7.7	10.3	11.6	12.5	14.0
90	8.2	9.3	12.3	13.8	15.0	16.7
110	10.0	11.2	15.1	16.9	18.3	20.4

Applications

- Connection Heating & Cooling
- Wall Heating
- Chemical Transport
- Geothermal
- Liquid Food Transportation
- Effluent Treatment Plant
- RO & DM Water Supply Lines
- Solar Water Heating System
- Pharmaceutical & Food Grade Application
- Ship Building & Swimming Pools
- Compressed Air & Vacuum Pipelines

**Caution: Insulation is must at below zero temprature*

HDPE PIPES

For Sewerage Water and Fluid Applications

HDPE PIPES

For Sewerage Water and Fluid Applications

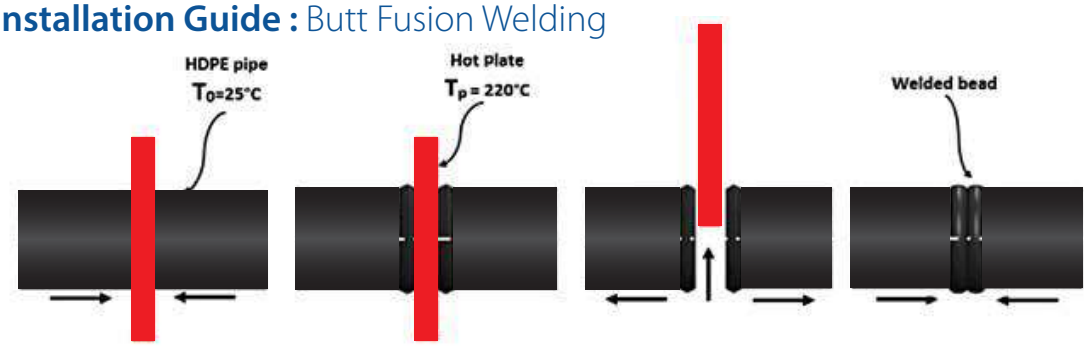
To fulfill the various requirements of drainage, sewerage and industrial sector, Skipper brings High Density Polyethylene Pipes which are safe, durable and cost effective solution suitable for gravity & pressurised applications for various fluid transportation. HDPE Black pipes are made with virgin raw materials & pass through tough quality parameters.

IS:14333:1996
CMLNO
5400071091

Product Range

PIPES
63 mm to 400 mm

Installation Guide : Butt Fusion Welding



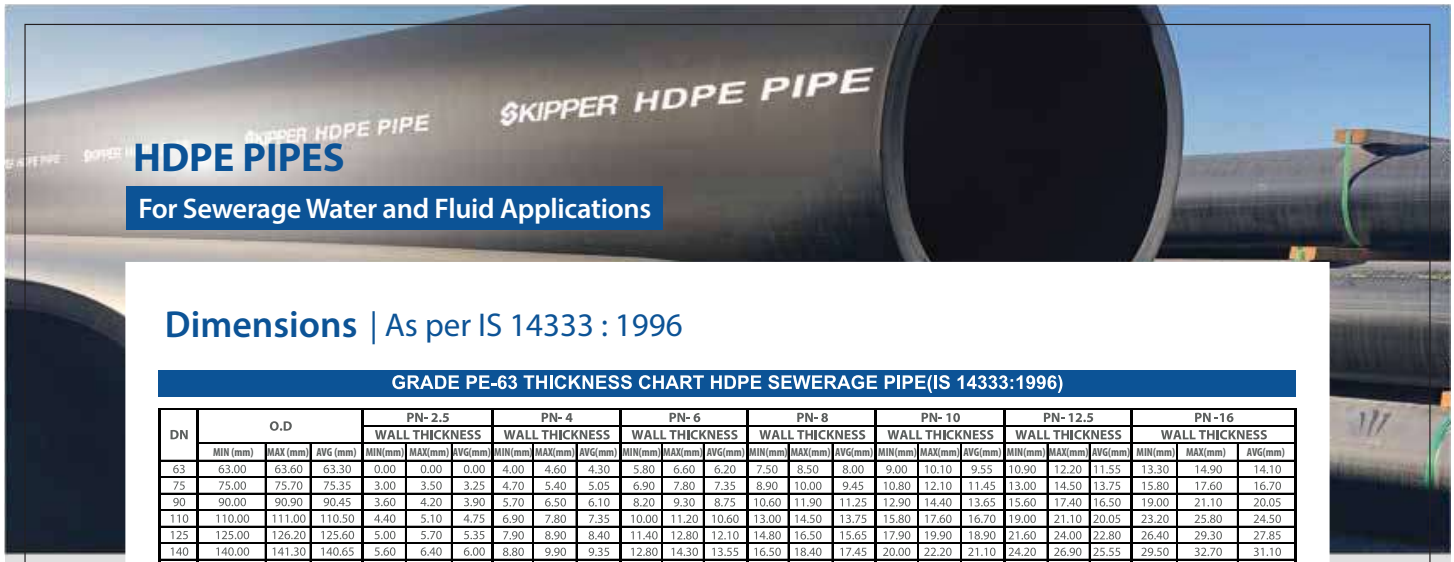
Bead Up | Heat Soaking | Hot Plate Removal | Welding and Cooling

Standards

PIPES			
Size (mm)	**Nominal Pressure Ratings In Bar**	**Material Grade**	**Standard**
63 (21/2") to 400 (16")	PN-2.5 to PN-16	PE-63, PE-80, PE-100	IS 14333:1996

Features & Benefits

- Excellent Resistance to Corrosion, Abrasion & Chemicals
- High Ductility
- Excellent Resistance to Water Hammers
- Excellent Weldability
- Low Installation Cost
- Durable & Cost Effective
- High Flow Characteristics
- Minimum Friction Loss Product



HDPE PIPES

For Sewerage Water and Fluid Applications

Dimensions | As per IS 14333 : 1996

GRADE PE-63 THICKNESS CHART HDPE SEWERAGE PIPE(IS 14333:1996)

DN	O.D			PN- 2.5			PN- 4			PN- 6			PN- 8			PN- 10			PN- 12.5			PN -16		
				WALL THICKNESS			WALL THICKNESS			WALL THICKNESS			WALL THICKNESS			WALL THICKNESS			WALL THICKNESS			WALL THICKNESS		
	MIN (mm)	MAX (mm)	AVG (mm)	MIN(mm)	MAX(mm)	AVG(mm)	MIN(mm)	MAX(mm)	AVG(mm)	MIN(mm)	MAX(mm)	AVG(mm)	MIN(mm)	MAX(mm)	AVG(mm)	MIN(mm)	MAX(mm)	AVG(mm)	MIN(mm)	MAX(mm)	AVG(mm)	MIN(mm)	MAX(mm)	AVG(mm)
63	63.00	63.60	63.30	0.00	0.00	0.00	4.00	4.60	4.30	5.80	6.60	6.20	7.50	8.50	8.00	9.00	10.10	9.55	10.90	12.20	11.55	13.30	14.90	14.10
75	75.00	75.70	75.35	3.00	3.50	3.25	4.70	5.40	5.05	6.90	7.80	7.35	8.90	10.00	9.45	10.80	12.10	11.45	13.00	14.50	13.75	15.80	17.60	16.70
90	90.00	90.90	90.45	3.60	4.20	3.90	5.70	6.50	6.10	8.20	9.30	8.75	10.60	11.90	11.25	12.90	14.40	13.65	15.60	17.40	16.50	19.00	21.10	20.05
110	110.00	111.00	110.50	4.40	5.10	4.75	6.90	7.80	7.35	10.00	11.20	10.60	13.00	14.50	13.75	15.80	17.60	16.70	19.00	21.10	20.05	23.20	25.80	24.50
125	125.00	126.20	125.60	5.00	5.70	5.35	7.90	8.90	8.40	11.40	12.80	12.10	14.80	16.50	15.65	17.90	19.90	18.90	21.60	24.00	22.80	26.40	29.30	27.85
140	140.00	141.30	140.65	5.60	6.40	6.00	8.80	9.90	9.35	12.80	14.30	13.55	16.50	18.40	17.45	20.00	22.20	21.10	24.20	26.90	25.55	29.50	32.70	31.10
160	160.00	161.50	160.75	6.40	7.30	6.85	10.00	11.20	10.60	14.60	16.30	15.45	18.90	21.00	19.95	22.90	25.40	24.15	27.60	30.60	29.10	33.70	37.30	35.50
180	180.00	181.70	180.85	7.20	8.20	7.70	11.30	12.70	12.00	16.40	18.30	17.35	21.20	23.60	22.40	25.80	28.60	27.20	31.10	34.50	32.80	37.90	41.90	39.90
200	200.00	201.80	200.90	8.00	9.00	8.50	12.50	14.00	13.25	18.20	20.30	19.25	23.60	26.20	24.90	28.60	31.70	30.15	34.50	38.20	36.35	42.20	46.70	44.45
225	225.00	227.10	226.05	9.00	10.10	9.55	14.10	15.80	14.95	20.50	22.80	21.65	26.50	29.40	27.95	32.20	35.70	33.95	38.80	42.90	40.85	47.40	52.40	49.90
250	250.00	252.30	251.15	10.00	11.20	10.60	15.70	17.50	16.60	22.80	25.30	24.05	29.50	32.70	31.10	35.80	39.60	37.70	43.20	47.80	45.50	52.70	58.20	55.45
280	280.00	282.60	281.30	11.20	12.60	11.90	17.50	19.50	18.50	25.50	28.30	26.90	33.00	36.50	34.75	40.00	44.20	42.10	48.30	53.40	50.85	0.00	0.00	0.00
315	315.00	317.90	316.45	12.60	14.10	13.35	19.70	21.90	20.80	28.70	31.80	30.25	37.10	41.10	39.10	45.00	49.70	47.35	54.40	60.10	57.25	0.00	0.00	0.00
355	355.00	358.20	356.60	14.20	15.90	15.05	22.20	24.70	23.45	32.30	35.80	34.05	41.80	46.20	44.00	50.80	56.10	53.45	0.00	0.00	0.00	0.00	0.00	0.00
400	400.00	403.60	401.80	16.00	18.60	17.30	25.00	29.00	27.00	36.40	42.10	39.25	47.10	54.40	50.75	57.20	66.00	61.60	0.00	0.00	0.00	0.00	0.00	0.00

GRADE PE-80 THICKNESS CHART HDPE SEWERAGE PIPE(IS 14333:1996)

DN	O.D			PN- 2.5			PN- 4			PN- 6			PN- 8			PN- 10			PN- 12.5			PN -16		
				WALL THICKNESS			WALL THICKNESS			WALL THICKNESS			WALL THICKNESS			WALL THICKNESS			WALL THICKNESS			WALL THICKNESS		
	MIN (mm)	MAX (mm)	AVG (mm)	MIN(mm)	MAX(mm)	AVG(mm)	MIN(mm)	MAX(mm)	AVG(mm)	MIN(mm)	MAX(mm)	AVG(mm)	MIN(mm)	MAX(mm)	AVG(mm)	MIN(mm)	MAX(mm)	AVG(mm)	MIN(mm)	MAX(mm)	AVG(mm)	MIN(mm)	MAX(mm)	AVG(mm)
63	63.00	63.60	63.30	0.00	0.00	0.00	3.00	3.50	3.25	4.40	5.10	4.75	5.80	6.60	6.20	7.00	7.90	7.45	8.60	9.70	9.15	10.50	11.80	11.15
75	75.00	75.70	75.35	2.30	2.80	2.55	3.60	4.20	3.90	5.30	6.10	5.70	6.90	7.80	7.35	8.40	9.50	8.95	10.20	11.50	10.85	12.50	14.00	13.25
90	90.00	90.90	90.45	2.80	3.30	3.05	4.30	5.00	4.65	6.30	7.20	6.75	8.20	9.30	8.75	10.00	11.20	10.60	12.20	13.70	12.95	15.00	16.70	15.85
110	110.00	111.00	110.50	3.40	4.00	3.70	5.30	6.10	5.70	7.70	8.70	8.20	10.00	11.20	10.60	12.30	13.80	13.05	14.90	16.60	15.75	18.40	20.50	19.45
125	125.00	126.20	125.60	3.80	4.40	4.10	6.00	6.80	6.40	8.80	9.90	9.35	11.40	12.80	12.10	13.90	15.50	14.70	16.90	18.80	17.85	20.90	23.20	22.05
140	140.00	141.30	140.65	4.30	5.00	4.65	6.70	7.60	7.15	9.80	11.00	10.40	12.80	14.30	13.55	15.60	17.40	16.50	19.00	21.10	20.05	23.40	26.00	24.70
160	160.00	161.50	160.75	4.90	5.60	5.25	7.70	8.70	8.20	11.20	12.60	11.90	14.60	16.30	15.45	17.80	19.80	18.80	21.70	24.10	22.90	26.70	29.60	28.15
180	180.00	181.70	180.85	5.50	6.30	5.90	8.60	9.70	9.15	12.60	14.10	13.35	16.40	18.30	17.35	20.00	22.20	21.10	24.40	27.10	25.75	30.00	33.20	31.60
200	200.00	201.80	200.90	6.10	7.00	6.55	9.60	10.80	10.20	14.00	15.60	14.80	18.20	20.30	19.25	22.30	24.80	23.55	27.10	30.10	28.60	33.40	37.00	35.20
225	225.00	227.10	226.05	6.90	7.80	7.35	10.80	12.10	11.45	15.70	17.50	16.60	20.50	22.80	21.65	25.00	27.70	26.35	30.50	33.80	32.15	37.50	41.50	39.50
250	250.00	252.30	251.15	7.60	8.60	8.10	12.00	13.40	12.70	17.50	19.50	18.50	22.80	25.30	24.05	27.80	30.80	29.30	33.80	37.40	35.60	41.70	46.10	43.90
280	280.00	282.60	281.30	8.50	9.60	9.05	13.40	15.00	14.20	19.60	21.80	20.70	25.50	28.30	26.90	31.20	34.60	32.90	37.90	41.90	39.90	46.70	51.60	49.15
315	315.00	317.90	316.45	9.60	10.80	10.20	15.00	16.70	15.85	22.00	24.40	23.20	28.70	31.80	30.25	35.00	38.70	36.85	42.60	47.10	44.85	52.50	58.00	55.25
355	355.00	358.20	356.60	10.80	12.10	11.45	17.00	18.90	17.95	24.80	27.50	26.15	32.30	35.80	34.05	39.50	43.70	41.60	48.00	53.00	50.50	59.20	65.40	62.30
400	400.00	403.60	401.80	12.20	14.30	13.25	19.10	22.20	20.65	28.00	32.40	30.20	36.40	42.10	39.25	44.50	51.40	47.95	54.10	62.50	58.30	0.00	0.00	0.00

GRADE PE-100 THICKNESS CHART HDPE SEWERAGE PIPE(IS 14333:1996)

DN	O.D			PN- 6			PN- 8			PN- 10			PN- 12.5			PN -16		
				WALL THICKNESS			WALL THICKNESS			WALL THICKNESS			WALL THICKNESS			WALL THICKNESS		
	MIN (mm)	MAX (mm)	AVG (mm)	MIN (mm)	MAX (mm)	AVG (mm)	MIN (mm)	MAX (mm)	AVG (mm)	MIN (mm)	MAX (mm)	AVG (mm)	MIN (mm)	MAX (mm)	AVG (mm)	MIN (mm)	MAX (mm)	AVG (mm)
63	63.00	63.60	63.30	3.60	4.20	3.90	4.70	5.40	5.05	5.80	6.60	6.20	7.00	7.90	7.45	8.70	9.80	9.25
75	75.00	75.70	75.35	4.30	5.00	4.65	5.60	6.40	6.00	6.90	7.80	7.35	8.40	9.50	8.95	10.40	11.70	11.05
90	90.00	90.90	90.45	5.10	5.90	5.50	6.70	7.60	7.15	8.20	9.30	8.75	10.00	11.20	10.60	12.50	14.00	13.25
110	110.00	111.00	110.50	6.30	7.20	6.75	8.20	9.30	8.75	10.00	11.20	10.60	12.30	13.80	13.05	15.20	17.00	16.10
125	125.00	126.20	125.60	7.10	8.10	7.60	9.30	10.50	9.90	11.40	12.80	12.10	13.90	15.50	14.70	17.30	19.30	18.30
140	140.00	141.30	140.65	8.00	9.00	8.50	10.40	11.70	11.05	12.80	14.30	13.55	15.60	17.40	16.50	19.40	21.60	20.50
160	160.00	161.50	160.75	9.10	10.30	9.70	11.90	13.30	12.60	14.60	16.30	15.45	17.80	19.80	18.80	22.10	24.60	23.35
180	180.00	181.70	180.85	10.20	11.50	10.85	13.40	15.00	14.20	16.40	18.30	17.35	20.00	22.20	21.10	24.90	27.60	26.25
200	200.00	201.80	200.90	11.40	12.80	12.10	14.90	16.60	15.75	18.20	20.30	19.25	22.30	24.80	23.55	27.60	30.60	29.10
225	225.00	227.10	226.05	12.80	14.30	13.55	16.70	18.60	17.65	20.50	22.80	21.65	25.00	27.70	26.35	31.10	34.50	32.80
250	250.00	252.30	251.15	14.20	15.90	15.05	18.60	20.70	19.65	22.80	25.30	24.05	27.80	30.80	29.30	34.50	38.20	36.35
280	280.00	282.60	281.30	15.90	17.70	16.80	20.80	23.10	21.95	25.20	28.30	26.75	31.20	34.60	32.90	38.70	42.80	40.75
315	315.00	317.90	316.45	17.90	19.90	18.90	23.40	26.00	24.70	28.70	31.80	30.25	35.00	38.70	36.85	43.50	48.10	45.80
355	355.00	358.20	356.60	20.10	22.40	21.25	26.30	29.20	27.75	32.30	35.80	34.05	39.50	43.70	41.60	49.00	54.10	51.55
400	400.00	403.60	401.80	22.70	26.40	24.55	29.70	34.40	32.05	36.40	42.10	39.25	44.50	51.40	47.95	55.20	63.70	59.45

Applications

- Building drainage
- The conventional roof drainage system
- Siphonic roof drainage system
- Land drainage system
- Industrial waste water drainage
- Hazardous waste drainage
- Municipal corporation drainage lines
- Chemical waste drainage

HDPE PIPES

For Potable Water and Fluid Applications

IS:4984-2016

CMLNO
5400067912

HDPE PIPES

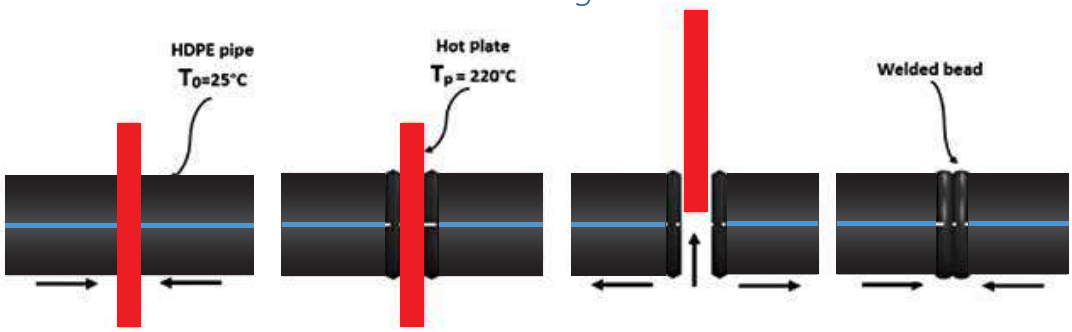
For Potable Water and Fluid Applications

Skipper HDPE pipes are safe, durable and cost effective solution for various water transportation application. Strength tests on raw material & finished goods assist to provide the quality products available in coil form & straight length.

Product Range

PIPES
16 mm to 400 mm

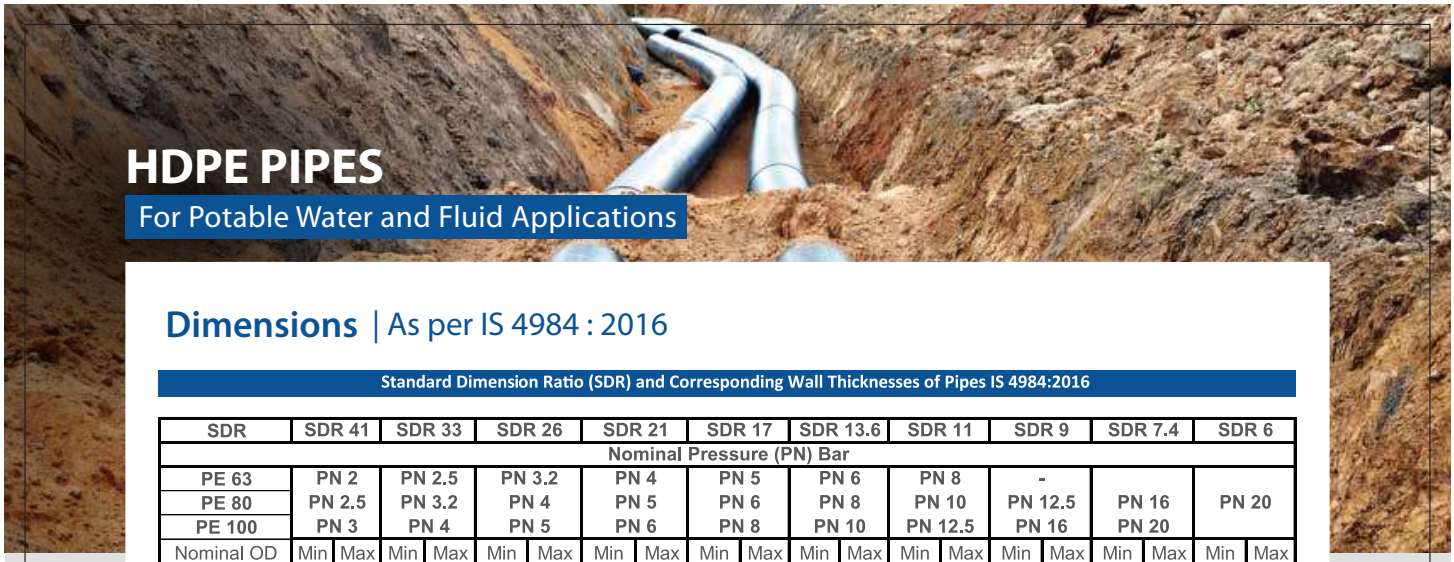
Installation Guide : Butt Fusion Welding



Bead Up | Heat Soaking | Hot Plate Removal | Welding and Cooling

Standards

PIPES				
Size (mm)	Class	Nominal Pressure Ratings In Bar	Material Grade	Standard
16 mm to 400 mm	SDR 41 to SDR 6	PN-2 to PN-20	PE-63,PE-80,PE-100	IS 4984:2016



HDPE PIPES

For Potable Water and Fluid Applications

Dimensions | As per IS 4984 : 2016

Standard Dimension Ratio (SDR) and Corresponding Wall Thicknesses of Pipes 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 PE 80 PE 100	PN 2 PN 2.5 PN 3		PN 2.5 PN 3.2 PN 4		PN 3.2 PN 4 PN 5		PN 4 PN 5 PN 6		PN 5 PN 6 PN 8		PN 6 PN 8 PN 10		PN 8 PN 10 PN 12.5		- PN 12.5 PN 16		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
16.0															1.8	2.1	2.2	2.5	2.7	3.1
20.0													1.9	2.2	2.3	2.6	2.7	3.1	3.4	3.8
25.0											1.9	2.2	2.3	2.6	2.8	3.2	3.4	3.8	4.2	4.7
32.0									1.9	2.2	2.4	2.7	2.9	3.3	3.6	4.1	4.4	4.9	5.4	6.0
40.0							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
50.0					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
63.0					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
75.0	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
90.0	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
110.0	2.7	3.1	3.4	3.8	4.3	4.8	5.3	5.9	6.5	7.3	8.1	9.0	10.0	11.1	12.3	13.6	14.9	16.5	18.4	20.3
125.0	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
140.0	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
160.0	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
180.0	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
200.0	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
225.0	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
250.0	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
280.0	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
315.0	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
355.0	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
400.0	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

Features & Benefits

- Excellent Resistance to corrosion, Abrasion & Chemical
- High Ductility
- Excellent Resistance to Water Hammers
- Excellent Weldability
- Low Installation Cost
- Durable & Cost Effective
- High Flow Characteristics
- Minimum Friction Loss Product

Applications

- Distribution mains lines & house connections for water supply
- Borewell installation with submersible pumps for water supply
- Coal handling in lines
- Chemical lines & other industrial application
- Agriculture & lift irrigation
- Underwater pipelines & desalination plants

PLB DUCT

Permanently Lubricated HDPE Duct PIPE

PLB DUCT

For underground laying of optical fibre cable

High Density Polyethylene Permanently Lubricated Ducts are the high flow capacity ducts, which offer a very high quality option for laying Optical Fibre Cable as underground conduits. The HDPE Telecom Ducts are manufactured with the high density Polyethylene materials. The material, high density Polyethylene offers a great resistance against the heavy earth loads and is great in offering impact and crush resistance.

Product Range

	32 mm/26 mm	40 mm /33 mm	50 mm/42 mm	63 mm/50 mm	110 mm/80 mm
Outside diameter	32 mm + 0.3 mm – 0.0 mm	40 mm + 0.4 mm – 0.0 mm	50 mm + 0.5 mm – 0.0 mm	63 mm + 0.6 mm – 0.0 mm	110 mm + 1.0 mm – 0.0 mm
Wall thickness	3.0 mm ± 0. 2 mm	3.5 mm ± 0. 2 mm	4 mm ± 0.3 mm	6.5 mm ± 0.40 mm	15.0 mm ± 0.60 mm
Thickness of the inner layer	Minimum: 0.24 mm Maximum: 0.36 mm	Minimum: 0.28 mm Maximum: 0.42 mm	Minimum: 0.32 mm Maximum: 0.48 mm	Minimum: 0.36 mm Maximum: 0.54 mm	Minimum: 0.56 mm Maximum: 0.84 mm
Standard length	1000 ± 100 meters	1000 ± 100 meters	1000 ± 100 meters"	500 ± 50 meters"	200 meters ± 20 meters.
Maximum outer diameter of cable that can be installed by blowing technique.	12 mm	16 mm	21 mm	25 mm (144 fibres)	40 mm (576 fibres)

Standards

- The PLB HDPE pipes are designed as per the standards laid down by TEC
- The features in the form of the high resistance to the crush effect is one of the high standards as set by the PLB HDPE ducts
- The products meet the high standards as set by the agencies like BSNL, QA, etc.
- The various size ranges are in the form of #/# mm, #/# mm, and #/# mm
- Meeting the standards as set by the IS 4984-2016
- The outer layer of the HDPE Telecom Pipes should conform to the design as set by the IS 7328
- It should meet the testing requirements as laid down by the IS 2530

PLB DUCT

For underground laying of optical fibre cable

Features & Benefits

- Environmental Stress Crack Resistance (ESCR)
- Great Impact Resistance
- Very High Crush Resistance
- Low Coefficient of Friction
- Temperature Resistance
- Crack Proof Finishing
- Easy Cleaning
- High capability to Ultraviolet protection
- Can be used for various purposes in the form of under sidewalks, field dirt trenches between communication centres and cities
- Various uses covering needs like branch network between cells, and several distribution cabinets and subterranean networks.

Available Colours :

Applications

- Railways Information Network
- Cable Service Providers
- Telecommunication
- Computer Networking
- CCTV
- Oil and Gas Pipeline Network
- Defence Network