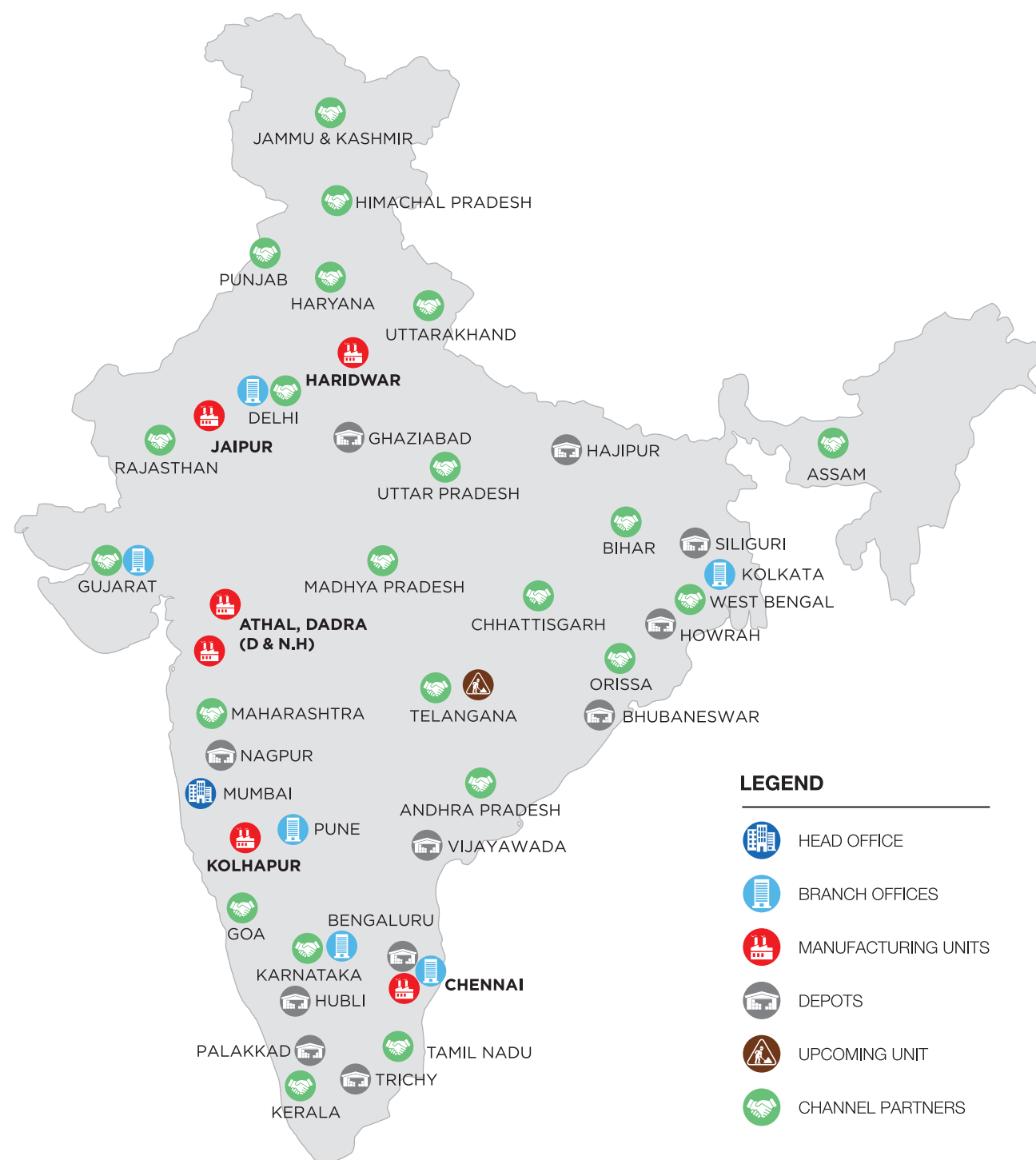


# ONE TRUSTED NAME FOR ALL UNDERGROUND PIPING APPLICATIONS



- LEGEND**
- HEAD OFFICE
  - BRANCH OFFICES
  - MANUFACTURING UNITS
  - DEPOTS
  - UPCOMING UNIT
  - CHANNEL PARTNERS

**PRINCE PIPES AND FITTINGS LIMITED**  
Mfg. & Exporters of UPVC, CPVC, PPR & HDPE Pipes, Fittings & Valves

**Corporate Office:**  
The Ruby, 8th Floor, 29, Senapati Bapat Marg (Tulsi Pipe Road), Dadar (W), Mumbai - 400028, Maharashtra, India.  
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Disclaimer: All information contained in this manual is given in good faith and believed to be accurate and reliable. No responsibility can be accepted for any error, omissions or incorrect assumptions. Any specification can change without prior notice. All the images are shown for representation purposes only.

PPF/UDG Booklet/ E-L/2K/October 2020  
Printed in October 2020

**CORFIT**<sup>®</sup>  
Underground Double Wall Corrugated Pipes

**DURAFIT**<sup>™</sup>  
FRP Manhole & Chamber Covers

**CORFIT**<sup>®</sup>  
INSPECTION CHAMBER

**FOAMFIT**<sup>®</sup>  
Underground Drainage Piping Systems

**DRAINFIT**<sup>™</sup>  
UPVC Underground Drainage Piping Systems

**CABLEFIT**<sup>™</sup>  
CABLE DUCTING PIPES

## STATE-OF-THE-ART MANUFACTURING UNITS



JAIPUR EST. 2019



KOLHAPUR EST. 2012



CHENNAI EST. 2012



HARIDWAR EST. 2008



DADRA EST. 2000



ATHAL EST. 1995



UPCOMING UNIT SANGAREDDY, TELANGANA

Prince Pipes provides the widest range of piping systems for all underground applications which are technologically advanced and fit for building a cleaner India. All our plants and work force are channelizing their efforts and energy towards achieving this mission making us the **ONE TRUSTED NAME** for all underground piping applications.

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# CORFIT



## CORFIT® Underground Double Wall Corrugated Pipes

A REVOLUTION TODAY FOR  
A CLEANER INDIA TOMORROW



### Overview

Corfit DWC\* pipes and fittings are manufactured using HDPE polymer. These pipes are resistant to various types of gases & chemicals which are generated due to putrefaction of various ingredients flowing in the system.

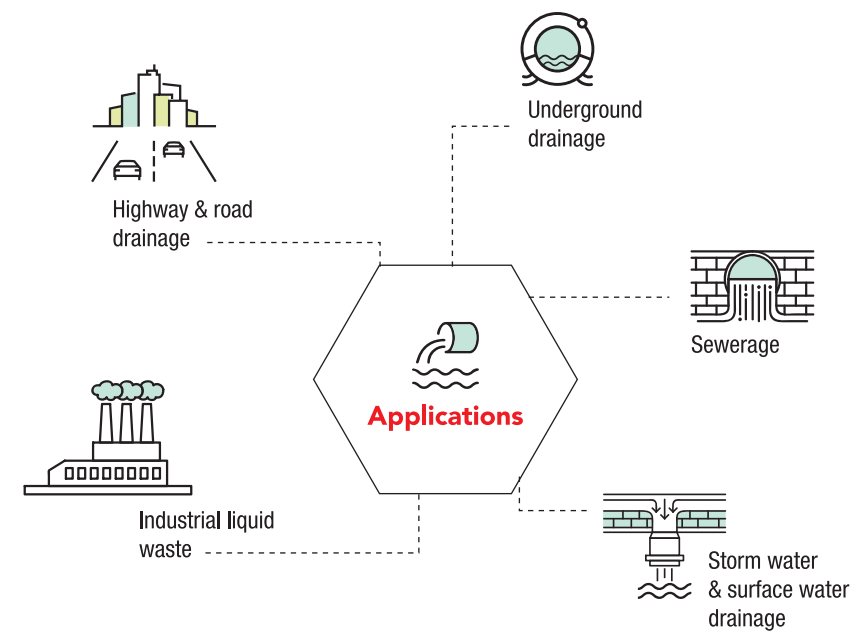
Corfit DWC\* Pipes are manufactured as per IS 16098 (Part-2), have a smooth internal surface and corrugated external surface. The corrugated external surface provides greater stiffness, withstands soil movements & takes higher loads (static & dynamic), whereas the internal surface helps in smooth flow of sewerage.

### Product Range

- Pipes: 100 to 1000 mm
- Fittings: 100 to 500 mm

### Standards

Pipes				Fittings		
Size (mm)	Class	Standard	End Connection	Size (mm)	Standard	End Connection
100 to 1000	SN4 & SN8	IS 16098 - Part 2	Rubber Ring Joint	100 to 500	-	Rubber Ring Joint

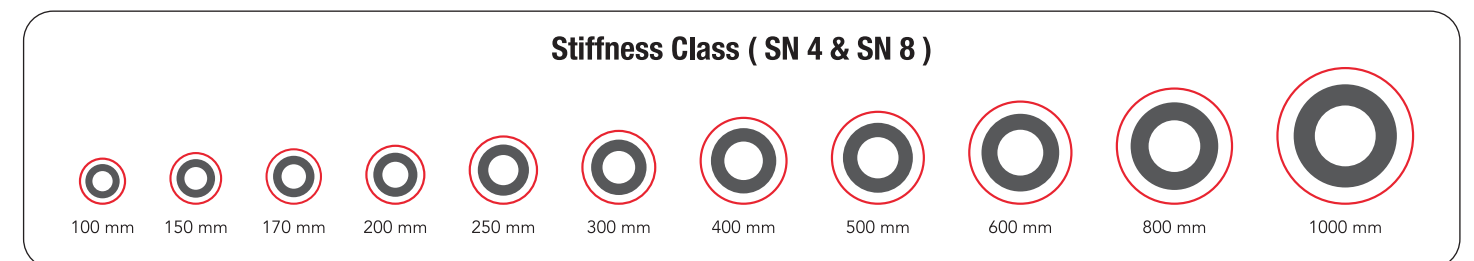


### Features and Benefits

- Easy to handle, transport and store
- Easy to install
- Superior performance than RCC Pipes
- Long life
- Available in long length of 6 meter, so there are minimum joints ensuring reduced chances of leakage
- Corrosion & abrasion resistant

\*Double Wall Corrugated

### Corfit DWC\* Pipes Range



### Corfit Fittings



## DRAINFIT



# DRAINFIT™

UPVC Underground  
Drainage Piping Systems

FOR UNDERGROUND DRAINAGE  
APPLICATIONS



Pipes as per  
IS 15328



## Overview

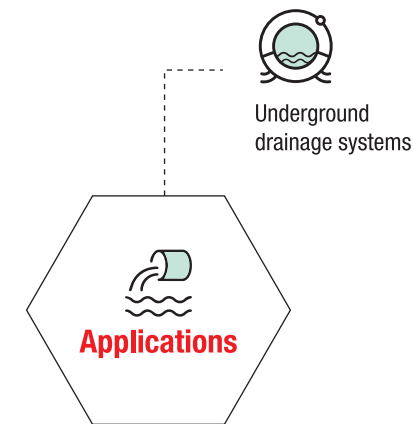
Drainfit Pipes are noticeably lighter and less expensive than existing PVC pipes/ concrete pipes. These pipes are interchangeable with solid wall pipes and are compatible with regular PVC fittings. We have introduced rubber and solvent fittings to offer a complete range of drainage piping systems.

## Product Range

- Pipes: 63 to 400 mm
- Fittings: 75, 110 & 160 mm

## Standards

Pipes			Fittings		
Size (mm)	Standard	End Connection	Size (mm)	Standard	End Connection
SN 2 - 160 to 400 SN 4 - 125 to 400 SN 8 - 63 to 400	IS 15328	Elastomeric Sealing Ring & Solvent Joint	75, 110 & 160	EN-1401-1	Elastomeric Sealing Ring & Solvent Joint



## Features and Benefits

- Leak-proof
- Long life
- Anti-rodent
- Light-weight and easy to transport
- Fast and easy installation, even in wet conditions
- Resistance to abrasion, smooth bore pipes reduce the risk of blockage
- Good impact resistance

## Dimensions

Nominal Size (Outside Diameter)	Mean Outside Diameter		Wall Thickness					
			SN2 (SDR 51)		SN4 (SDR 41)		SN8 (SDR 34)	
	Minimum (mm)	Maximum (mm)	Minimum (mm)	Maximum (mm)	Minimum (mm)	Maximum (mm)	Minimum (mm)	Maximum (mm)
63	63.00	63.30	-	-	-	-	2.70	3.10
75	75.00	75.30	-	-	-	-	2.80	3.30
90	90.00	90.30	-	-	-	-	2.90	3.40
110	110.00	110.40	-	-	-	-	3.20	3.70
125	125.00	125.40	-	-	3.20	3.70	3.70	4.40
160	160.00	160.50	3.20	3.70	4.00	4.60	4.70	5.40
200	200.00	200.60	3.90	4.50	4.90	5.60	5.90	6.70
250	250.00	250.80	4.90	5.60	6.20	7.00	7.30	8.30
315	315.00	316.00	6.20	7.00	7.70	8.70	9.20	10.40
400	400.00	401.20	7.90	8.90	9.80	11.00	11.70	13.10

## Drainfit Fittings



Fittings available in both Rubber Ring and Solvent Joint options.

## FOAMFIT



# FOAMFIT®

Underground Drainage Piping Systems

**LIGHT WEIGHT SOLUTION FOR LONG LASTING DRAINAGE APPLICATIONS**

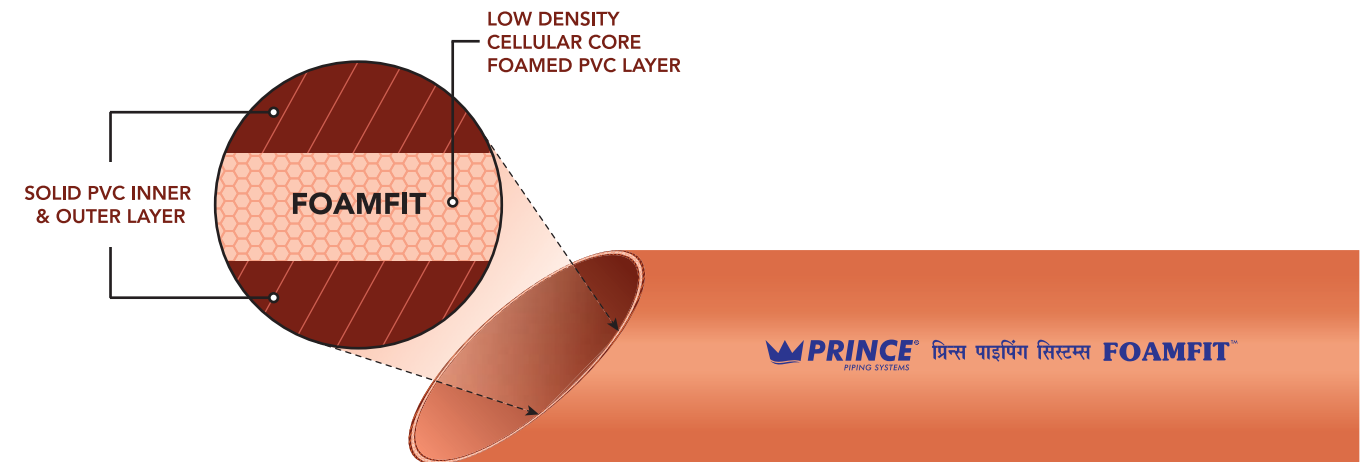


Pipes as per IS 16098 (part 1)



## Overview

An advanced drainage and sewerage solution, these multi-layer pipes are ideal for housing and government projects. While the outer and innermost layers give the pipe a great load bearing capacity, the middle layer provides firmness to the overall pipe structure. These pipes are lightweight yet strong as compared to solid wall PVC pipes.

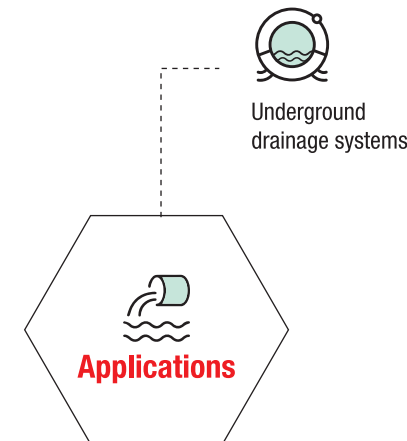


## Product Range

- Pipes: 110, 160, 200, 250, 315 mm
- Fittings: 75, 110 & 160 mm

## Standards

Pipes			Fittings	
Size (mm)	Standard	End Connection	Size (mm)	End Connection
SN 2 - 160, 200, 250, 315	IS 16098 (part 1)	Elastomeric Sealing Ring Joint & Solvent Joint	75, 110 & 160	Elastomeric Sealing Ring Joint & Solvent Joint
SN 4 - 110, 160, 200, 250, 315				
SN 8 - 110, 160, 200, 250, 315				



## Features and Benefits

- Lighter than solid wall UPVC pipes yet strong
- Easy for underground installations
- Available in long length of 6 meter, so there are minimum joints reducing chances of leakage
- Compatible with other drainage & sewerage products
- Long life due to improved strength
- Cost saving
- Easy to install
- Anti-rodent

## Dimensions

Nominal Size (Outside Diameter)	Mean Outside Diameter		Wall Thickness					
			SN2 (SDR 51)		SN4 (SDR 41)		SN8 (SDR 34)	
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
110	110.00	110.40	-	-	2.80	3.30	3.20	3.70
160	160.00	160.50	3.20	3.70	4.00	4.60	4.70	5.40
200	200.00	200.60	3.90	4.50	4.90	5.60	5.90	6.70
250	250.00	250.80	4.90	5.60	6.20	7.00	7.30	8.30
315	315.00	316.00	6.20	7.00	7.70	8.70	9.20	10.40

## INSPECTION CHAMBERS



**CORFIT<sup>®</sup>**  
INSPECTION CHAMBER

**DRAINFIT<sup>™</sup>**  
INSPECTION CHAMBER

NO MORE BLOCKAGE. ONLY FREE FLOWING SEWAGE.



Made from HDPE material

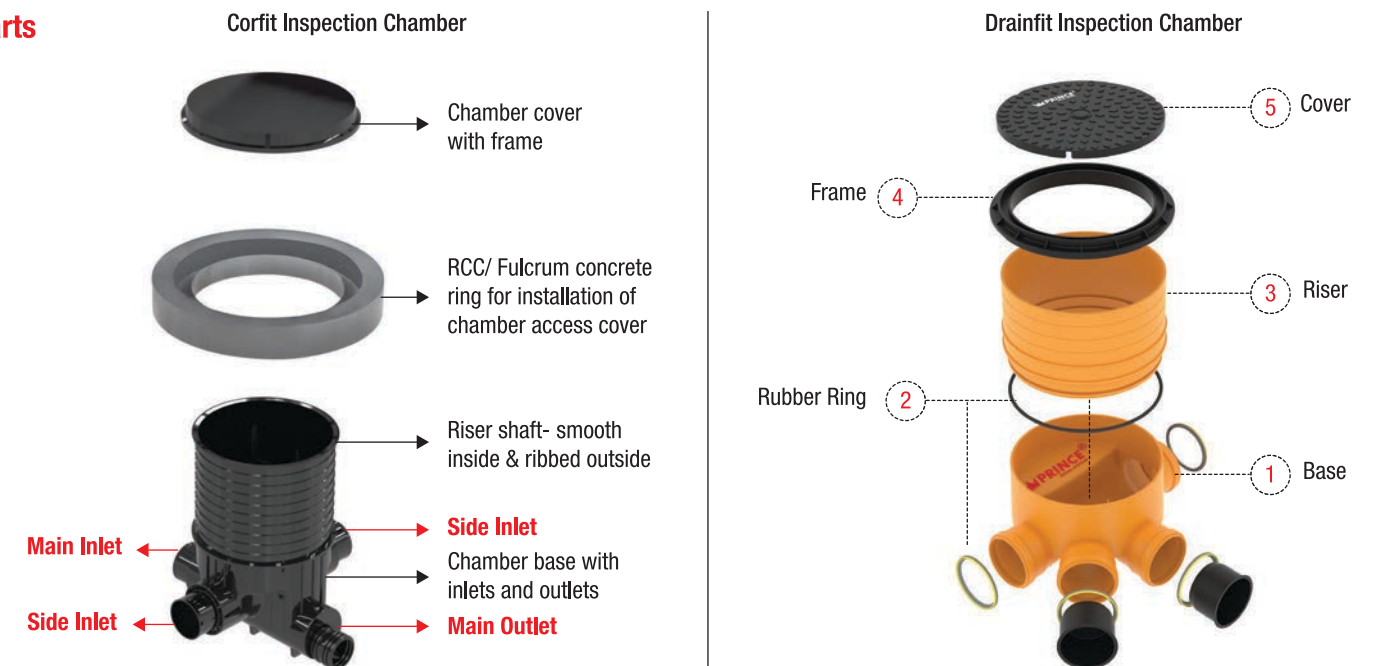


Made from Polypropylene material

## Overview

Integral to every underground drainage system, inspection chambers are resistant to acids, bases and organic compounds, so they can withstand aggressive substances like sulphuric acid and hydrogen sulphide which are found in every sewer. They are installed where multiple drainage lines are connected. And are used for inspection, maintenance and removal of debris which is generated through the flow of sewer waste. With over 33 years of expertise in underground piping solutions, Prince Pipes offers two kinds of inspection chambers - Corfit Inspection Chamber (made of HDPE) and Drainfit Inspection Chamber (made of polyethylene material) for residential as well as commercial sector.

## Parts



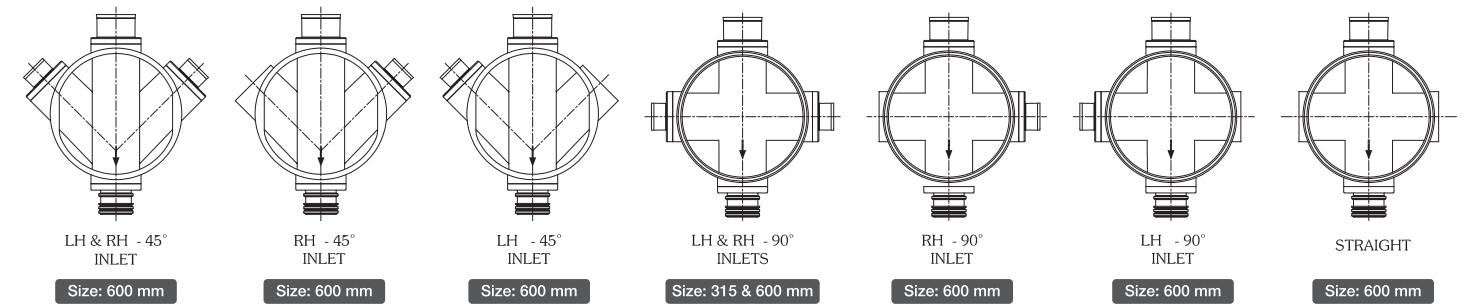
## Sizes

- **Corfit Inspection Chamber:** 315 mm & 600 mm
  - Invert depth for 600 mm diameter - 1.25 m
  - Invert depth for 315 mm diameter - 0.75 m
- **Drainfit Inspection Chamber:** 315 mm

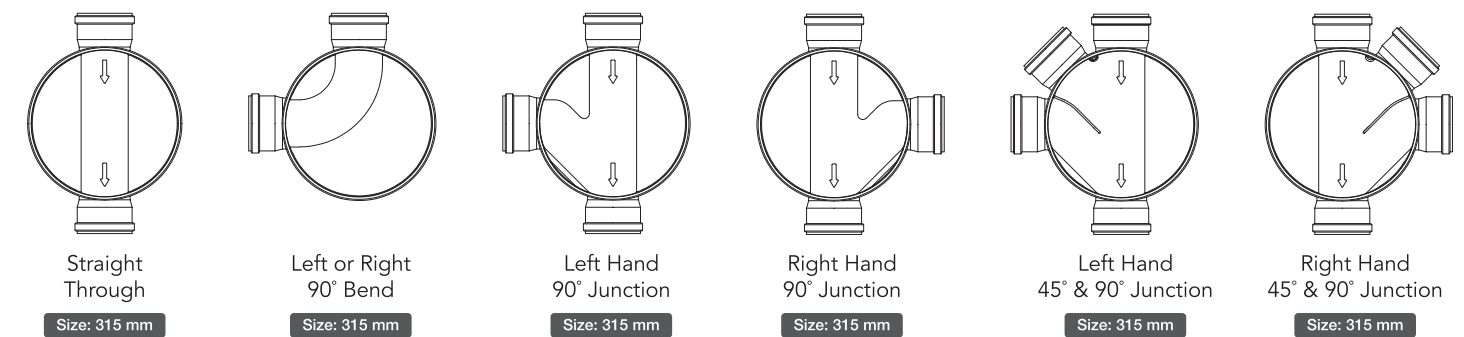
## Features and Benefits

- Single piece structure for easy installation and leakage-free joints
- Socket, spigot and side inlet connections with rubber sealing ring
- Resistant to floating due to ribs and collar provided on external surface of riser/shaft
- Abrasion resistant
- Smooth inside invert surface for high hydraulic capacity
- Chemical resistant
- About 2° slope provided for gravity flow in inspection chamber base
- Lightweight

## Types of Corfit Inspection Chambers



## Types of Drainfit Inspection Chambers



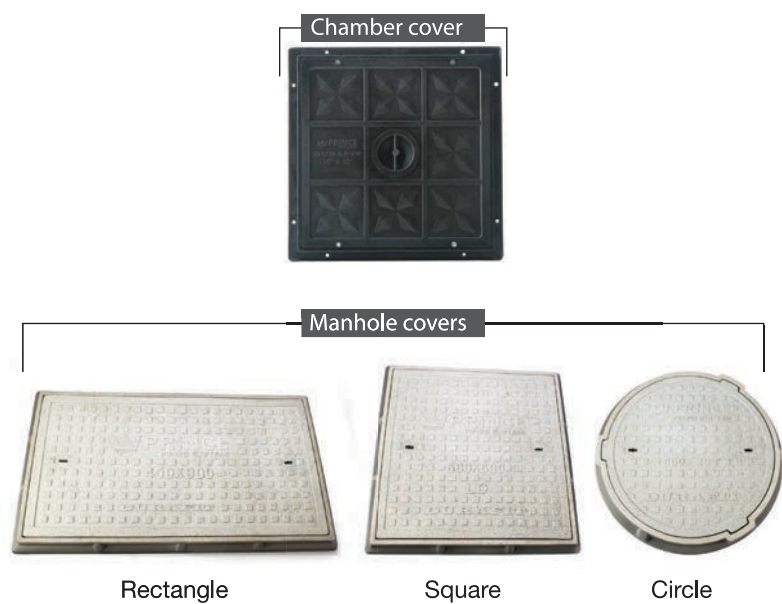
# DURAFIT



## DURAFIT™

FRP Manhole & Chamber Covers

CORROSION-FREE. SKID-FREE.



### Overview

Durafit FRP Manhole & Chamber Covers with frames are light weight & are superior to the conventional cast iron, ductile iron & RCC covers. The covers are available in various standard sizes with load bearing capacity from 1.5 to 40 tons.

### Product Range

- **Chamber Covers:** 10 X 10 inch & 12 X 12 inch
- **Manhole Covers:**
  - Circular: 500, 530 & 560 mm
  - Square: 300, 450, 600, 900, 1000, 1200, & 1500 mm
  - Rectangular: 600 X 450, 900 X 450, 900 X 600 & 1200 X 900 mm

### Standards

Durafit Manhole covers are tested as per **BS EN 124 1994** for gully tops & manhole tops for vehicular & pedestrian areas.

Load & permanent set testing for following classes:

A-15kN (1.5 ton)	Areas which can only be used by pedestrians and pedal cyclists
B-125kN (12.5 ton)	Carriage ways of roads (including pedestrian streets), hard shoulders and parking decks
C-250kN (25.0 ton)	For gully tops installed in the area of kerbside channels of roads
D-400kN (40.0 ton)	Carriage ways of roads (including pedestrian sheets), hard shoulders and parking areas for all types of road vehicles

**Applications**

- Underground drainage systems
- Parking areas
- Aircraft pavements

### Features and Benefits

- 1. Protection against theft with greater safety options**
  - Zero theft value, reducing potential accident and maintenance cost further caused by thieves
  - Locks are available as an option molded into the cover to improve security rate
  - Surface anti-slip thread guarantees safe road conditions even in extreme weather
- 2. Light-weight**
  - 50% lighter compared to cast iron manhole covers
  - Its light weight allows more loading per vehicle and convenient transportation thus saving freight
  - Allows safer working conditions - a single worker is enough during installation without a risk of injury
- 3. Durable service life**
  - Anti-corrosion, well-sealed, prevents poisonous gases, water, dust and pests from leaking out
  - Withstands temperatures from - 40°C to 200°C
- 4. High load rating & strength**
  - Similar hard property as cast iron, while having an overwhelming advantage on stretch recovery
  - Designed to meet and exceed A15/B125/C250/D400 load rating, according to En124:1994
  - Less noise & lower vibration transmissions

## CABLEFIT



**CABLEFIT™**  
CABLE DUCTING PIPES

PROTECT THE CABLES THAT  
POWER YOUR PROJECT

Pipes as per  
IS 16205-24



## Overview

Infrastructure in India is seeing new avenues on daily basis. With multiple innovations happening across sectors and wiring being involved in almost all sectors, cable ducting becomes an essential investment in protecting wires across applications.

Introducing PRINCE CABLEFIT, made from High Density Polyethylene (HDPE) which provides long-term strength, chemical resistance and prevention of stress cracks. Its unique double-walled construction makes it light-weight, gives excellent mechanical properties like high ring stiffness and better impact strength. The smooth inner wall facilitates easy insertion of ducts and cables.

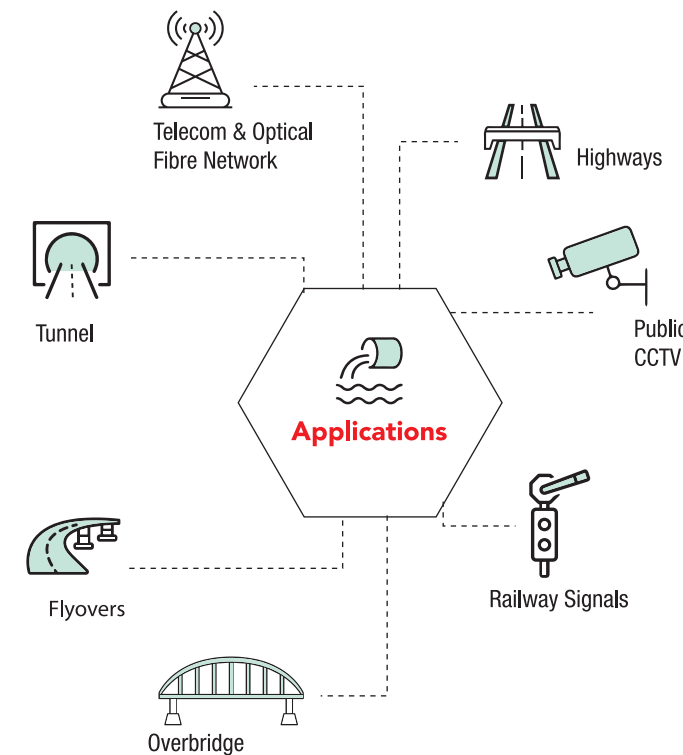
These pipes are manufactured using ultra-modern hi-tech machines which results in excellent finished product. It is manufactured as per standard IS 16205 – Part 24. Prince Cablefit is available in class 450N and 750N.

## Product Range

- **Pipes (OD):** 50 mm, 63 mm, 75 mm, 90 mm, 110 mm, 120 mm, 160 mm.
- **Fittings:** 50 mm, 63 mm, 75 mm, 90 mm.
  - Standard length of pipes is 6 m for sizes 90 mm - 160 mm.
  - For sizes 50 mm, 63 mm & 75 mm, it will be available in coil of 100 m.

## Standards

Pipes				Fittings	
Size (mm)	Class	Standard	End Connection	Size (mm)	End Connection
Coil Form - 50mm to 75mm	450N	IS 16205 Part 24	With or Without Rubber Ring	50mm to 90mm	With & Without Rubber Ring
Standard Length Pipes - 90mm to 160mm					



## Features and Benefits

- Light-weight makes it easy to assemble and transport
- Smooth internal surface makes it easy to pull cables through the pipe
- Optimum mechanical and physical properties
- Tough outer surface makes it easy to resist high impacts
- Low-maintenance and long-lasting
- Built-in space capacity for future expansion
- Reduces cable over cable damage

## Fittings



Coupler



Elbow



Tee