

# **DRAIN HULK**

## PE/PP MANHOLE & INSPECTION CHAMBER

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### PRODUCT CATALOGUE



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# ASTRAL, INDIA'S PROGRESSIVE BUILDING MATERIALS COMPANY

Established in 1996 with the aim to manufacture best-in-globe plastic piping systems, Astral Pipes fulfils emerging piping needs of millions of houses and adds extra mileage to India's developing real estate fraternity with the hallmark of unbeaten quality and innovative piping solutions. Keeping itself ahead of the technology curve, Astral has always been a front runner in the piping category by bringing innovation and getting rid of old, primitive and ineffective plumbing methods. Bringing CPVC in India, and pioneering in this technology, have set Astral apart and its highest quality enabled it to obtain NSF approval for its CPVC pipes and fittings. Astral went beyond the category codes by launching many industry firsts, like launching India's first lead-free uPVC pipes for plumbing as well as for stream water, just to name a few.

Astral Pipes offers the widest product range across this category when it comes to product applications. Astral Pipes is equipped with production facilities at Santej and Dholka in Gujarat, Hosur in Tamil Nadu, Ghiloth in Rajasthan, Sangli & Aurangabad in Maharashtra, Cuttack in Odisha and Sitarganj in Uttarakhand to manufacture plumbing systems, drainage systems, agriculture systems, fire sprinkler piping systems, industrial piping and electrical conduit pipes with all kinds of necessary fittings.

Astral Pipes' Infrastructure division offers a comprehensive product range including corrugated piping for drainage and cables, polyolefin cable channels, sewage treatment plants, plastic sheathing ducts, suction hoses, and sub-surface drainage systems. This range helps Astral to establish a strong foothold in infrastructure and agriculture sector in the constantly evolving business of piping.

In 2014, Astral forayed into the adhesives category by acquiring UK-based Seal It Services Ltd. and Kanpur based Resinova Chemie Ltd., which manufacture adhesives, sealants and construction chemicals. With five manufacturing facilities now in this business segment, Astral has strengthened its presence in the category and made rapid inroads.

In the year 2020, Astral has expanded its product portfolio and entered into the Water Tanks Segment. The water tank segment is an expanded domain of plumbing and water supply with a huge nationwide potential. Astral Pipes manufactures water tanks from its Santej, Aurangabad, Cuttack, Hosur & Ghiloth manufacturing facilities. A wide range of water storage tanks has helped Astral to become a versatile player in the industry.

Extending the product portfolio further, in the year 2022 Astral forayed into the categories of Faucets and Sanitaryware, followed by acquisition of Bangalore based Gem Paints to enter in the Paints category. This expansion will help Astral march firmly towards becoming a holistic building materials company.

## ADHESIVES

EPOXY ADHESIVES & PUTTY  
SILICONE SEALANTS  
CONSTRUCTION CHEMICALS **PVA**  
CYANOACRYLATE **SOLVENT CEMENTS**  
**TAPES** POLYMERIC FILLING COMPOUND  
ANAEROBIC ADHESIVES  
INDUSTRIAL ADHESIVES  
**INSTANT HAND SANITIZER**  
SURFACE CLEANING PRODUCTS

## PIPING

PLUMBING PIPES & FITTINGS  
**CPVC, PVC & PEX**  
SEWERAGE DRAINAGE PIPES & FITTINGS  
**AGRICULTURE** PIPES & FITTINGS  
**INDUSTRIAL PIPES & FITTINGS**  
FIRE SPRINKLERS PIPES & FITTINGS  
**CONDUIT & CABLE** PROTECTION  
ANCILLARY PRODUCTS  
**URBAN** INFRASTRUCTURE

## WATER TANKS

## PAINTS

## DUCTING

## FAUCETS

## SANITARYWARE





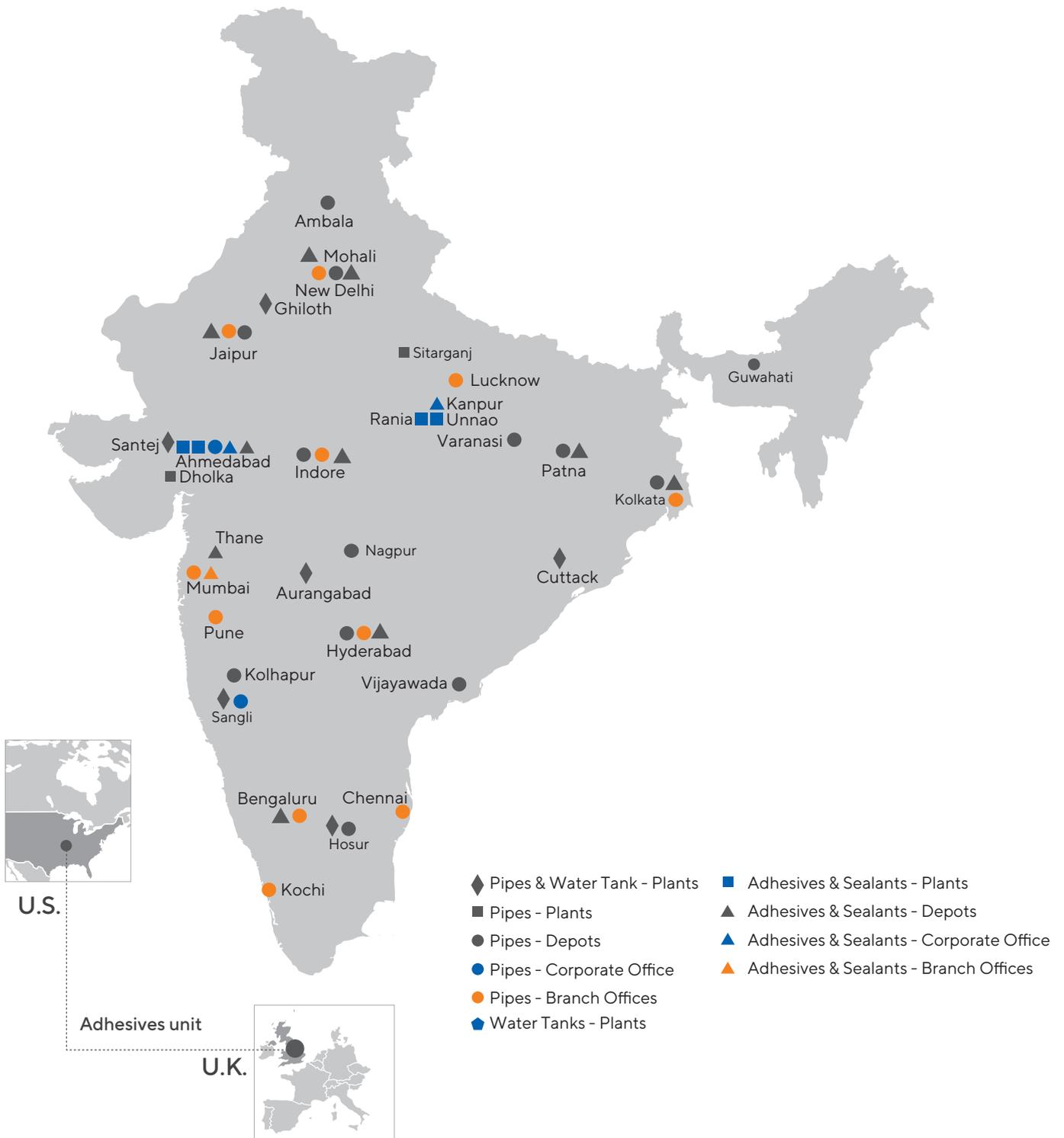
# INNOVATION & RECOGNITIONS

- First to introduce CPVC piping system in India (1999)
- First to launch lead free uPVC piping system in India (2004)
- Corp Excel- National SME Excellence Award (2006)
- First to get NSF Certification for CPVC piping system in India (2007)
- First to launch lead-free uPVC column pipes in India (2012)
- Enterprising Entrepreneur of the year (2012-13)
- Business Standard Star SME of the year (2013)
- Inc. India Innovative 100 for Smart Innovation under category of 'Technology' (2013)
- India's Most Promising Brand Award (2014)
- Value Creator Award during the first ever Fortune India Next 500 (2015)
- India's Most Trusted Pipe Brand Award (2016, 2019, 2020 & 2022)
- ET Inspiring Business Leaders of India Award (2016)
- India's Most Attractive Pipe Brand Award (2016)
- Fortune India 500 Company (2016)
- India's Most Desired Pipe Brand Award (2022)
- Consumer Validated Superbrands India (2017, 2019 & 2021-2022)



# MARKETING NETWORK

Astral has a marketing network of more than 800 distributors and 30,000 dealers spread all over India with branch offices at Mumbai, Pune, Delhi, Bengaluru, Chennai, Hyderabad, Jaipur, Lucknow and Kochi. Apart from that Astral has its own warehouses at Vijaywada, Hyderabad, Delhi, Kolhapur, Kolkata, Nagpur, Indore, Patna, Varanasi, Jaipur & Hosur to deliver the material as quick as possible. More than 400 techno marketing professionals and administrative personnel are on the board to coordinate with architects, plumbing contractors and plumbers to utilize the best plumbing techniques and to get the best from the products.





# ABOUT **ASTRAL DRAIN HULK**

**MCGM  
APPROVED**

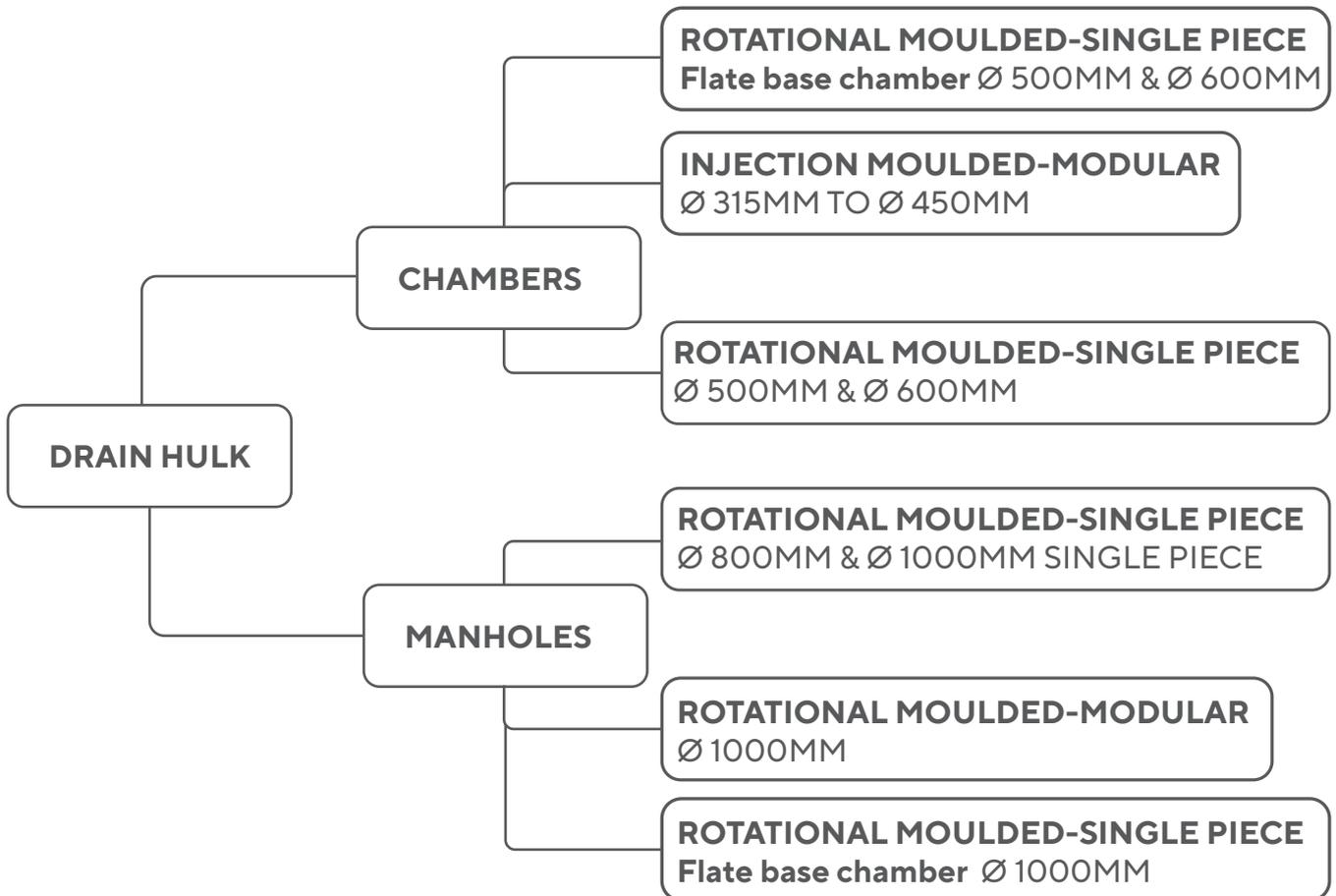
Astral offers ultra modern underground drainage system which connects SWR system to the main drains, public sewer or sewage treatment plant. It's a complete solution for building drainage and sewerage application. Astral has designed and developed this system with a view to cater to highly sophisticated building drainage requirements.

# APPLICATIONS

## AVAILABLE SIZE\*

Inspection chamber: 315 mm, 355 mm, 450 mm, 500 mm, 600 mm

Man Hole: 800 mm & 1000 mm base with riser and top cover.



Astral Drain Hulk is ideal for use in single house application to multi floors buildings, hotels, hospitals, shopping malls, academic institutes upto the main lines.



## BENEFITS

- Push Fit System
- Easy Installation
- Maintenance Free
- Longer Life
- Cost Saving

# KEY PROPERTIES AND BENEFITS TO BE CHANGE



## GREAT FLEXIBILITY

Due to availability of ready made inspection chambers, long lengths of lighter weight pipes and different components, installation of this system is very convenient and fast.



## HYGIENIC AND SAFE

Trouble free performance of the joints without blockage and leakage ensures high standards of hygiene.



## PERFECT HYDRAULIC PROPERTIES

The chambers are designed with in built slope which increases the hydraulic capabilities of the system.



## MINIMUM EXCAVATION COST

Because of simple joining technique, trench width can be kept minimum and smoother bore of the pipe allow high flow rates at relatively flatter gradients.



## WATERTIGHT SYSTEM

Pipe, riser or shaft connection with the chamber base is absolutely watertight and unique. Design of pipe joints with click ring and sealing ring makes the system completely leak proof.



## MAINTENANCE FREE

Optimum functional qualities and good hydraulic properties & smooth surface finish play an important part in reducing the need for jetting and other forms of maintenance, and therefore operational costs are considerably reduced.



## GREAT STRENGTH & DURABLE

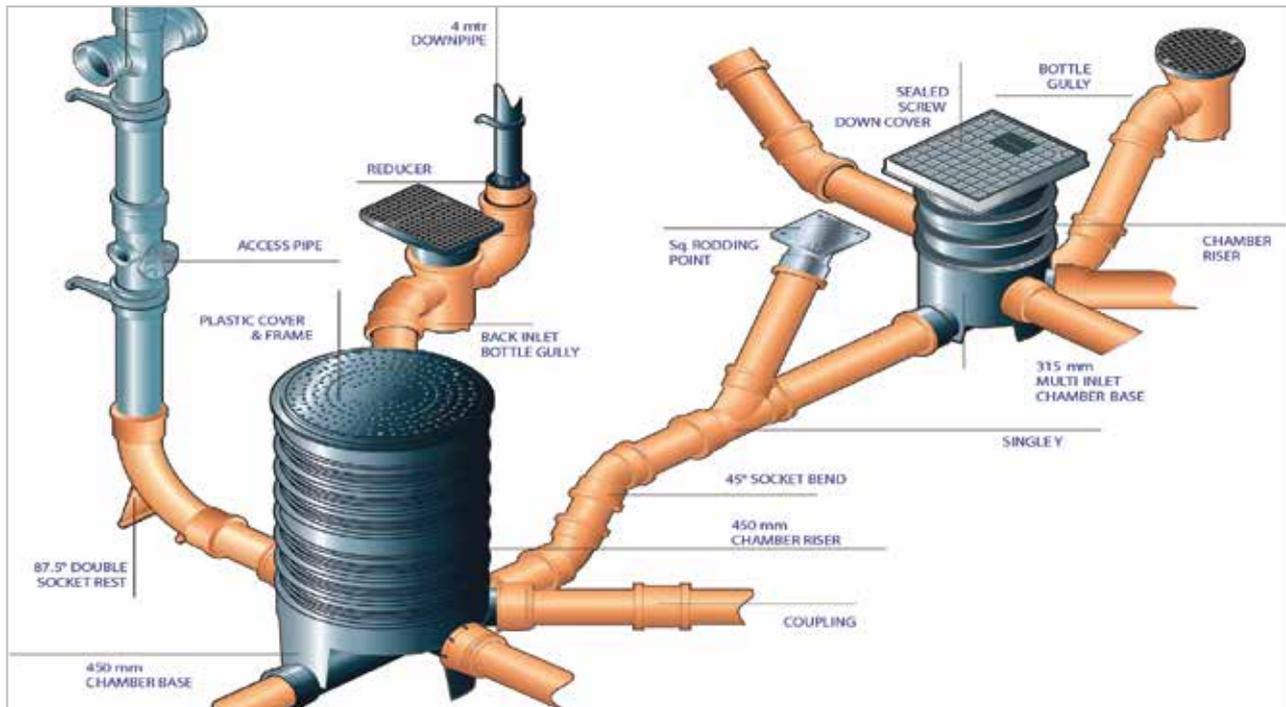
System is sufficiently durable to meet site loading requirements.



## LONGER LIFE AND OVERALL ECONOMY

It Is Due To Superior Chemical Resistance, Sufficiently Durable, And Offers Long Service Life And Trouble Free Operation.

# ASTRAL INSPECTION CHAMBERS



Astral Drain Hulk used sewerage applications and Stormwater collection and disposal. In short, the system provides a complete solution for underground drainage. Unlike conventional drainage products, there is no fear of pollution of underground water, soil or ill effects on building foundations. The installation of this system is quite simple and fast. The choice of the raw material, the structural accuracy and the strict quality control impart a high degree of reliability.

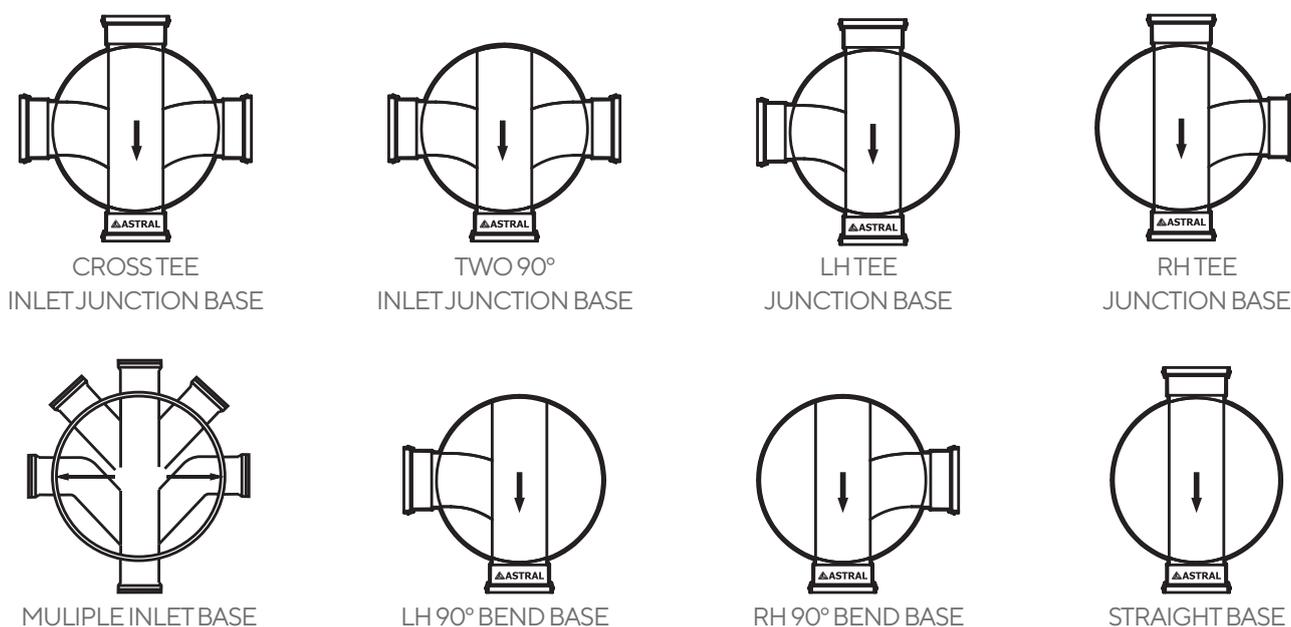
Astral's Inspection Chambers & Man Hole have been designed to offer easier and more economical alternatives to traditional construction methods. Ø315 mm, Ø355 mm, Ø450 mm chambers are made of a tough polypropylene material, are impact resistant, simple and straightforward to install. Ø500 & Ø600mm chambers are available in PE material. Ø800 & Ø1000mm Man Hole are available in PE material. The chamber raising pieces are designed for simple dry joining, providing an instant watertight joint. They have strengthening ribs and webbing. The raising pieces can be simply built-up to the required overall height between the chamber base and cover. Astral inspection chambers comply with all current regulations. They are designed with a built-in fall for good flow performance.

# 315 MM, 355 MM INSPECTION CHAMBER



Astral's innovative design for 315 mm and 355 mm brings unmatched flexibility to the underground drainage market. The joints & seals are designed in such a way that they can accommodate the movement of connecting piece up to 3° in any direction. This is of great assistance to the installer where the connecting pipes are not perfectly aligned with the chamber inlets. In many instances it will eliminate the need to install an extra bend and provide a saving on the cost of the installation. In summary, the Inspection Chamber design and flexibility provides a practical, innovative and cost effective solution for the provision of access in a drainage system.

## CONFIGURATION AVAILABLE IN 315 MM & 355 MM



## VARIOUS TYPE OF CHAMBER BASES

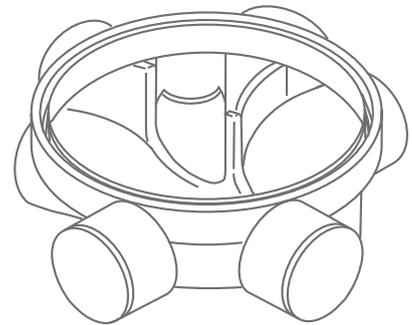
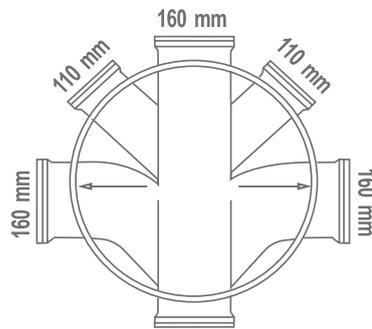


# 450 MM LARGE DIAMETER INSPECTION CHAMBER

Astral's product innovation is again demonstrated with the introduction of a new 450 mm. diameter large inspection chamber. Significant research and development has gone into the design of this unique product. The Chamber base incorporates Three Nos. - 160 mm & Two Nos. - 110 mm inlets with mainthrough of 160 mm. Also 160 mm inlets can be converted to all 110 mm inlets with reducer which allows 3° of movement in any direction. The plastic cover and frame can take loadings up to a maximum of 1.5tons wheel load.



## 450 MM INSPECTION CHAMBER SYSTEM



Astral 315 mm chamber is to be used with three risers. Depth are as shown in the chart below.

315 MM CHAMBER	HEIGHT (MM)
Only Body	240
With One Riser	375
With Two Risers	515
With Three Risers	650
Frame+cover height	100

Astral 355 mm chamber is to be used with three risers. Depth are as shown in the chart below.

355 MM CHAMBER	HEIGHT (MM)
Only Body	310
With One Riser	435
With Two Risers	575
With Three Risers	710
Frame+cover height	100

Astral 450 mm is chamber to be used with four risers. Depth are as shown in the chart below.

450 MM CHAMBER	HEIGHT (MM)
Only Body	405
With One Riser	575
With Two Risers	735
With Three Risers	900
With Four Risers	1065
Frame+cover height	40



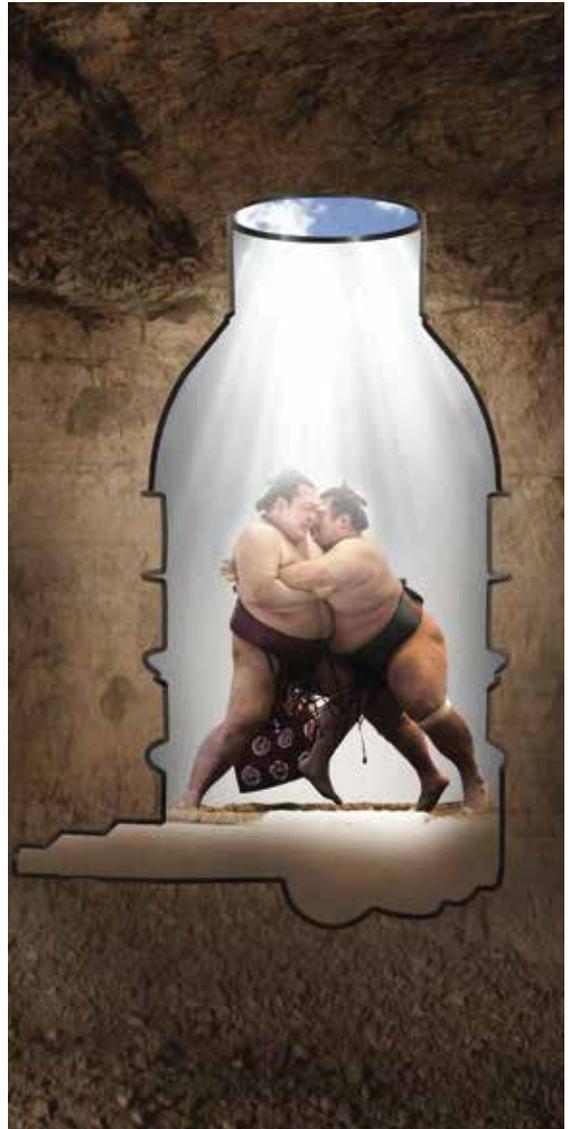
INVERT DEPTH = BASE + RAISER (ELEVATION UNIT) + FRAME

# ASTRAL PE/PP MANHOLE & INSPECTION CHAMBERS

## KEY FEATURES

- Pre-fabricated system - complete with benching, shaft, steps and accessories.
- Stream lined design and mirror smooth internal surface finish.
- Multiple configuration options in single piece.
- Multiple inlet options with a variety of inlet and outlet sizes in single piece.
- Fast, easy, flexible and safe installation in hours with leak-proof pipe connections in minutes.
- Completely water tight with no infiltration or ex-filtration.
- Ultra durable and resistant to corrosion.
- Can be very easily installed in heavy traffic or water logged areas.
- High quality as per latest European Standard EN 13598 leading to consistent quality for entire project.
- Maintenance-Free.
- Reduced operating cost - minimal blockages due to hydraulically optimized channels, no Infiltration.
- Environment friendly - watertight preventing pollution / low carbon footprint.
- Top quality accessories - watertight rubber seals for pipe connection (EN 681-1); corrosion resistant steps.

UPTO  
**1000**  
MM DIAMETER



# **ASTRAL UNDERGROUND INSPECTION**

## CHAMBER & MANHOLE INVERT DEPTH

# INSTALLATION PROCEDURE

## – 315MM & 355MM CHAMBERS

- Connect the pipes with rubber lubricants to the inlet and outlet of chambers and level the chamber.
- Fix the no. of riser on base as per invert level
- Backfill the pit with granular material with 150 mm width all around. Properly compact the backfill material, in 6"-10" layer. If needed watering can be used.
- 6" PCC / RCC collar at the top is recommended for heavy traffic loads. The frame should be properly embedded in the concrete and then the cover should be placed on it.



**1 CHAMBER BASE**



**2 FIX RISER ON CHAMBER BASE**



**3 RISER WITH CHAMBER BASE**



**4 FIX ANOTHER RISER ON CHAMBER BASE**



**5 FIX RUBBER RING ON FRAME**



**6 FIX FRAME**



**7 PUT LID ON IT**



**8 TIGHTEN WITH SCREW**



**9 FIX PIPE IN INLET**  
(\*DRAINMASTER,FOAMCORE, D-REX PIPE)

# 450 MM INSPECTION CHAMBER INSTALLATION



**1 CHAMBER  
BASE**



**2 FIX RUBBER RING  
ON RISER**



**3 FIX RISER WITH  
CHAMBER BASE**



**4 FIX ANOTHER RISER  
ON CHAMBER BASE**



**5 FIX LID  
ON ASSEMBLY**



**6 TIGHT LID  
WITH SCREW**



**7 PUT COVER  
ON IT**



**8 TIGHTEN  
WITH SCREW**



**9 FIX PIPE IN  
INLET**  
(\*DRAINMASTER,FOAMCORE, D-REX PIPE)

- Base units are supplied with lubricated blanking plugs. These may be pushed out on site when required and used to secure unused inlets.
- When making joints, the pipe spigot must be well chamfered, de-burred, cleaned and lubricated using Astral's lubricant.
- The pipe is then pushed into the socket allowing a clearing for subsequent expansion i.e., pipes should be pushed home fully and then withdrawn by 10 mm.
- Depending on the depth of invert required, use combination of the chamber base and risers. The riser can be cut for the intermediate depth. Use rubber seal ring between chamber base and riser for 450 mm chamber and for 315 mm use ring to join last riser and cover. For subsequent risers, rubber rings are not required.

If the chamber is to be installed in ground where the water level may rise above the invert level of the chamber, the chamber must be bedded on and surrounded by concrete.

# GENERAL REQUIREMENTS FOR INSTALLATION

Installation of the chambers is to be done with the standard practice and as per requirement of local authorities. General installation figures are provided herewith for different type of installation mainly based on traffic loads which are going to affect on system. Fig. 1 is for installation of 450mm chamber base with durable polypropylene cover and frame having wheel load up to 1.5 tonnes. Suits pedestrian areas / domestic driveways. Fig. 2 is for installation of 450 mm chamber base with RCC cover and frame. Fig. 3 is for installation of 315 mm chamber base.

Figure 1:

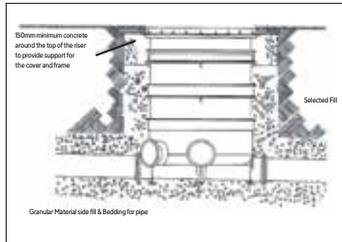


Figure 2:

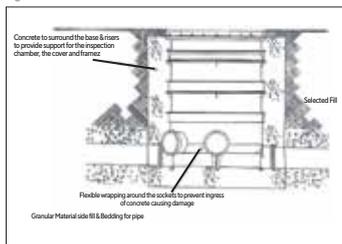
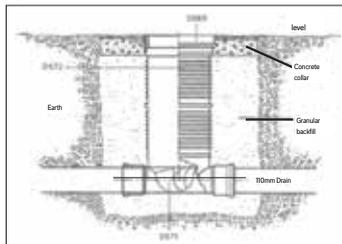


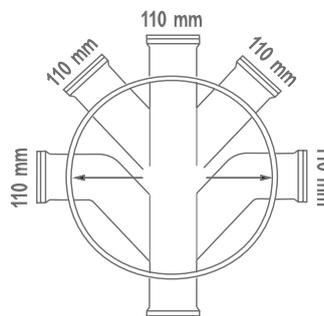
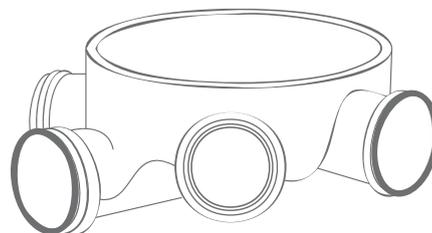
Figure 3:



Installation of the chambers is to be done with the standard practice and as requirement of local authorities.

Installation as per load class requirements General installation figures are provided herewith for different type of installation mainly based on traffic loads which are going to impose on system. Fig. 1 is for installation of 450mm chamber base with durable polypropylene cover and frame having wheel load up to 1.5 tons. Suits pedestrian areas / domestic driveways. Fig. 2 is for installation of 450 mm chamber base with RCC cover and frame having load class up to 20 tons. Suits heavy traffic loads. Fig. 3 is for installation of 315 mm chamber base.

- The chamber base should be bedded with suitable granular material or single size aggregates having no sharp edges on 100 mm bed thickness for light traffic load conditions. For heavy traffic load conditions Fig.2 section has to be followed.
- When Astral PP cover and frame is used, the cover and frame is to be supported on a concrete base while the chamber is surrounded by granular backfill 150mm wide as recommended. When RCC or other cover is used, the chamber should be fully supported in concrete surround.



## ASTRAL UNDERGROUND - PRODUCT DETAILS:

ASTRAL Underground Chamber	Size of inlet's, outlet of base		Component	Material	Load Capacity
	Main Inlet	Main Outlet			
315	110	110	Base	Polypropylene Impact co-polymer	1.5 ton wheel load
			Raiser	Polypropylene Impact co-polymer	
			Frame & Cover	Polypropylene Impact co-polymer	
355	160	160	Base	Polypropylene Impact co-polymer	1.5 ton wheel load
			Raiser	Polypropylene Impact co-polymer	
			Frame & Cover	Polypropylene Impact co-polymer	
450	110/160	110/160	Base	Polypropylene Impact co-polymer	1.5 ton wheel load
			Raiser	Polypropylene Impact co-polymer	
			Frame & Cover	Polypropylene Impact co-polymer	

**NOTE:** These chambers can be used for higher load capacities using RCC covers on top of them. Normally load capacities are applied to covers, not to chambers.

# INSTALLATION PROCEDURE OVERVIEW

**Important:** Consult Astral for installations where water level is high. All instructions from the engineer and local regulations must be respected. Following is an overview of installation procedure, please consult Astral for detailed instructions. Rock sand or non-cohesive selected material of size less than 16mm without any sharp objects/rocks should be used as back filling material.

**Fast, easy and safe installation in 5 simple steps:**

## A - Excavation

The trench excavated shall be 300 mm wider on all sides of the manhole and 150 mm deeper than the manhole invert depth.

- 2.The excavated base layer should be well compacted (95%) & PCC of 150mm height should be laid on it.
- 3.Place the manhole on the PCC and fill the gaps below base with PCC.
- 4.Check the levelling to ensure manhole is horizontally aligned.



## B - Connecting Inlet

To connect inlet pipe(s), drill the hole of appropriate diameter with Astral cup saw on pre-marked inlet positions, insert inlet rubber seal, push the plain (spigot) end of PVC pipe into the seal for a watertight connection. Apply Astral Pipes' lubricant for smooth insertion. There is no need for any glue, silicon. For connecting DWC pipe, first insert rubber seal into the inlet hole, then insert one end of DWC connector into inlet hole and push the DWC pipe into the other end of connector for a watertight connection.

- 2.Astral seals provide watertight connection and allow for 5° movement in all directions.
- 3.If due to site constraint you cannot connect the inlet at the pre-marked location then you may connect the inlet anywhere on the body of the chamber however direction of the inlet/outlet in benching should be taken into consideration for proper flow.



## C - Connecting outlet

Outlet connection of manhole is spigot type. Slip socket end of PVC ringfit pipe on outlet connection of manhole. Apply lubricant for smooth insertion. If required smaller unnecessary spigot may be cut off at right angle with a saw. For connecting DWC pipe, slip on one end of DWC connector on manhole outlet & insert DWC pipe into the other end of connector.



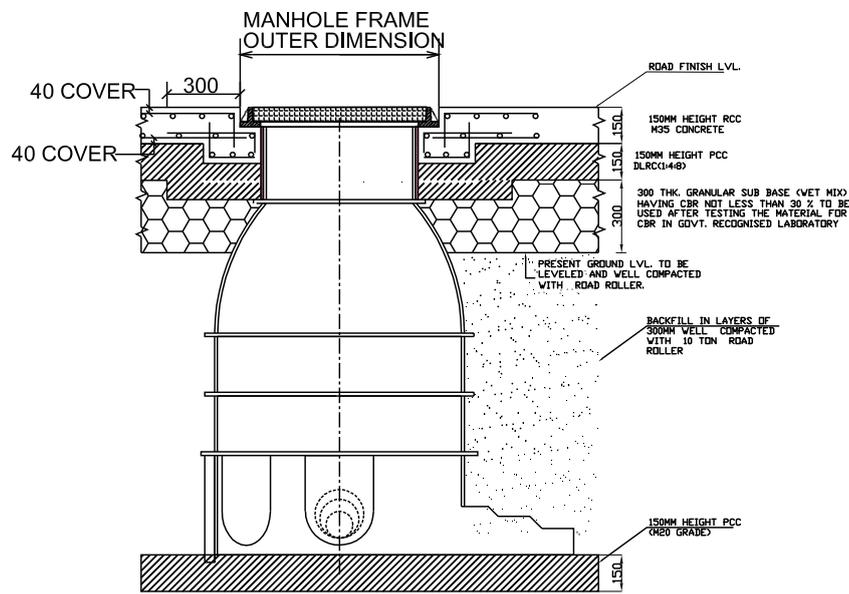
## D - Assembly, backfilling and compaction

1. Check levelling of chamber and ensure horizontal alignment matching with connecting pipes.
2. Back fill around the manhole in layers of 300 mm and compact to 95% with a mechanical vibrating stamper of 50 kgs.
3. Place the element seal on top of the base & install the raiser on it.
4. Place the element seal on top of the raiser & install the upper unit on it.
5. Continue to fill-in and compact in layers of 300 mm up to ground with margin of PCC, RCC and cover height.
6. For greater stability and to increase the load bearing capacity, use gravel or sand for back filling as it has the properties like high permeability and it absorbs the lateral thrust.

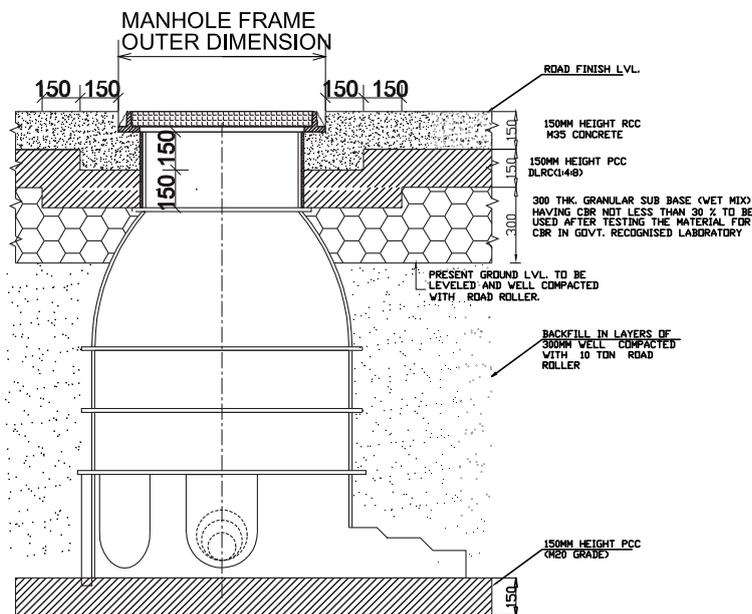


**E - Adjust Height and Install Cover**

1. The height of the chamber can be adjusted on site by cutting the upper edge of the chamber PE Cover for Ø1000 is not available.
2. Astral PE covers can be used for installation in the garden or non -traffic areas.
3. For installation in traffic areas, a concrete load bearing ring of 150mm PCC & 150mm RCC is required around the neck. Direct contact of PCC & RCC to chamber neck should be avoided. On this ring of RCC, appropriate class B/C/D/E cover with frame should be installed.
4. Traffic load should not be transferred to manhole. Traffic load should be absorbed by frame & cover of appropriate class installed above manhole within the road. We recommend providing 150mm height PCC & RCC around neck to strengthen the base of frame. Refer manhole installation details below for ready reference.
5. Finish of with asphalt/concrete/pavers top layer, around the cover.



**SECTION OF MANHOLE  
SECTION X-X**



**SECTION OF MANHOLE  
SECTION X-X**

# ASTRAL PE MANHOLE & INSPECTION CHAMBERS / SINGLE PIECE & MODULAR



**SINGLE PIECE  
INSPECTION  
CHAMBER**

**WITH 5 INLETS/OUTLETS**

Size (D x H)mm	Product Code	Std. Pkg. (Nos.)
500 x 500	5BC050001611050	01
500 x 750	5BC050001611075	01
500 x 1000	5BC050001611100	01
600 x 500	5BC060001611050	01
600 x 750	5BC060001611075	01
600 x 1000	5BC060001611100	01
600 x 1250	5BC060001611125	01



**SINGLE PIECE  
MANHOLE**

**WITH 3 INLETS/OUTLETS**

Size (D x H)mm	Product Code	Std. Pkg. (Nos.)
800 x 1250	3BL080252016125	01
800 x 1500	3BL080252016150	01
800 x 1750	3BL080252016175	01
1000 x 1250	3BL100312520125	01
1000 x 1500	3BL100312520150	01



**SINGLE PIECE  
MANHOLE**

**WITH 5 INLETS/OUTLETS**

Size (D x H)mm	Product Code	Std. Pkg. (Nos.)
800 x 1000	5BC080001611100	01
800 x 1250	5BC080001611125	01
800 x 1500	5BC080001611150	01
1000 x 1250	5BC100201611125	01
1000 x 1500	5BC100201611150	01
1000 x 1750	5BC100201611175	01



**ELEVATION  
UNIT (RAISER)**

Size (D x H) mm	Product Code	Std. Pkg. (Nos.)
1000 x 500	E100050FIBSES	01
1000 x 750	E100075FIBSES	01
1000 x 1000	E100100FIBSES	01



**SINGLE PIECE  
INSPECTION  
CHAMBER**

**WITH 3 INLETS/OUTLETS**

Size (D x H)mm	Product Code	Std. Pkg. (Nos.)
600 x 500	3BL060252016050	01
600 x 750	3BL060252016075	01
600 x 1000	3BL060252016100	01
600 x 1250	3BL060252016125	01
600 x 1450	3BL0602520161450	01
600 x 1950	3BL060252016195	01



**BASE WITH  
5 INLETS**

Size (D x H) mm	Product Code	Std. Pkg. (Nos.)
1000 x 650	5BC100201611065	01



**BASE WITH  
3 INLETS**

Size (D x H) mm	Product Code	Std. Pkg. (Nos.)
1000 x 650	3BL100312520065	01

# ASTRAL PE MANHOLE & INSPECTION CHAMBERS | MODULAR



**UPPER UNIT**

Size (D x H) mm	Product Code	Std. Pkg. (Nos.)
1000 x 1100	U100060110FIBSES	01
1000 x 1350	U100060135FIBSES	01
1000 x 1600	U100060160FIBSES	01



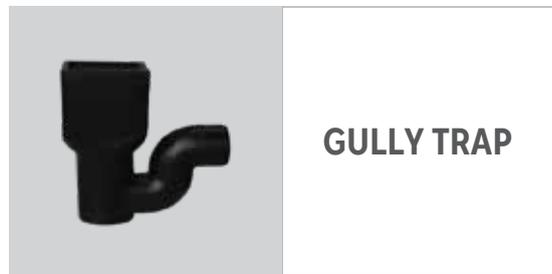
**RUBBER TRANSITION COUPLING**

Size (D) mm	Product Code	Std. Pkg. (Nos.)
110x100	TRCR-126111120	01
160x135	TRCR-177155160#	01
160x150	TRCR-191155185#	01
200x170	TRCR-216194220#	01



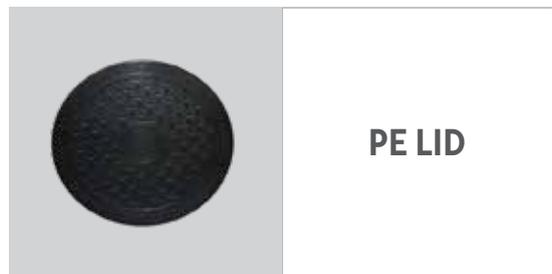
**FLAT BASE CHAMBER**

Size (D x H) mm	Product Code	Std. Pkg. (Nos.)
500 x 450	FB050045	01
500 x 700	FB050070	01
600 x 450	FB060045	01
600 x 700	FB060070	01
600 x 950	FB060095	01
1000 x 500	FB0100050FIBSES	01
1000 x 750	FB0100075FIBSES	01
1000 x 1000	FB0100100FIBSES	01
1000 x 1150	FB0100060115	01
1000 x 1400	FB0100060140	01
1000 x 1650	FB0100060165	01



**GULLY TRAP**

Size (D X H) mm	Product Code	Std. Pkg. (Nos.)
110 x 405	GTZ110GT	01



**PE LID**

Size (D) mm	Product Code	Std. Pkg. (Nos.)
500	LID050	01



**ELEMENT SEAL**

Size D (mm)	Product Code	Std. Pkg. (Nos.)
1000	M99020002	01



**DWC X PVC CONNECTOR (SPGXDW) (FOR MANHOLE INLET)**

Size (D) mm	Product Code	Std. Pkg. (Nos.)
110 x 100	M1420014409	28
160 x 150	M1420014412	12

# ASTRAL PE MANHOLE & INSPECTION CHAMBERS | MODULAR



**DWC X PVC  
CONNECTOR  
(GSSXDWC)  
(FOR MANHOLE OUTLET)**

Size (D x H) mm	Product Code	Std. Pkg. (Nos.)
110x100	F183113110	01
160x150	F183176160	01
200x200	F183228200	01
250x250	F183291250	01
315x300	F183344315	01



**DWC X PVC  
CONNECTOR  
(SPGXDW)  
(FOR MANHOLE INLET)**

Size (D x H) mm	Product Code	Std. Pkg. (Nos.)
200x200	F182228200	01
250x250	F182291250	01
315x300	F182344315	01



**DWC X PVC  
CONNECTOR  
(PSSXDWC)  
(TO JOIN PVC WITH DWC)**

Size (D x H) mm	Product Code	Std. Pkg. (Nos.)
110x100	F184113110	01
160x150	F184176160	01
200x200	F184228200	01
250x250	F184291250	01
315x300	F184344315	01



**CLIP FOR FIXING  
MANHOLE STEPS**

Size (mm)	Product Code	Std. Pkg. (Nos.)
-	M99020001#	01



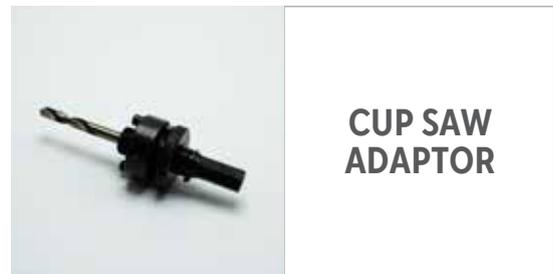
**FRP MANHOLE  
STEP**

Size (mm)	Product Code	Std. Pkg. (Nos.)
-	M99020005#	01



**TRIZ FOR  
MANHOLE STEPS  
MOUNTING**

Size D (mm)	Product Code	Std. Pkg. (Nos.)
800	M99020007#	01
1000	M99020006#	01



**CUP SAW  
ADAPTOR**

Size (D) mm	Product Code	Std. Pkg. (Nos.)
-	CSA	01

# ULTRA MODERN DRAINAGE SYSTEM



**CUP SAW  
BLADE**

Size (D) mm	Product Code	Std. Pkg. (Nos.)
110	CS-110	01
160	CS-160	01
200	CS-200	01
250	CS-250	01
315	CS-315	01



**INLET SEAL**

Size (D) mm	Product Code	Std. Pkg. (Nos.)
63	IS-63	01
75	IS-75	01
90	IS-90	01
110	IS-110	01
160	IS-160	01
200	IS-200	01
250	IS-250	01
315	IS-315	01



**CHAMBER BODY  
WITH BLANKING  
PLUG**

Size (mm)	Product Code	Std. Pkg. (Nos.)
315	M142005518	01
450	M142005520	01



**CHAMBER BODY  
WITHOUT  
BLANKING PLUG**

Size (mm)	Product Code	Std. Pkg. (Nos.)
315	M142005418	01
450	M142005420	01



**CHAMBER  
LH TEE  
JUNCTION  
BODY**

Size (mm)	Product Code	Std. Pkg. (Nos.)
315 x 110	M1420012118	01
355 x 160	M1420012191	01



**CHAMBER  
RH TEE  
JUNCTION  
BODY**

Size (mm)	Product Code	Std. Pkg. (Nos.)
315 x 110	M1420012018	01
355 x 160	M1420012091	01



**CHAMBER  
LH 90°BEND  
BODY**

Size (mm)	Product Code	Std. Pkg. (Nos.)
315 x 110	M1420011918	01
355 x 160	M1420011991	01

# ULTRA MODERN DRAINAGE SYSTEM



**CHAMBER  
RH 90° BEND  
BODY**

Size (mm)	Product Code	Std. Pkg. (Nos.)
315 x 110	M1420011818	01
355 x 160	M1420011891	01



**CHAMBER  
FRAME**

Size (mm)	Product Code	Std. Pkg. (Nos.)
315	M142005218	01
355	M142005291#	01



**CHAMBER  
STRAIGHT  
BODY**

Size (mm)	Product Code	Std. Pkg. (Nos.)
315 x 110	M1420011718	01
355 x 160	M1420011791	01



**CHAMBER  
COVER**

Size (mm)	Product Code	Std. Pkg. (Nos.)
315	M142005318	01



**CHAMBER  
CROSS TEE  
INLET JUNCTION  
BODY**

Size (mm)	Product Code	Std. Pkg. (Nos.)
315 x 110	M1420012318	01
355 x 160	M1420012391	01



**CHAMBER  
COVER**

Size (mm)	Product Code	Std. Pkg. (Nos.)
450	M142005320	01



**CHAMBER  
TWO 90°  
INLET JUNCTION  
BODY**

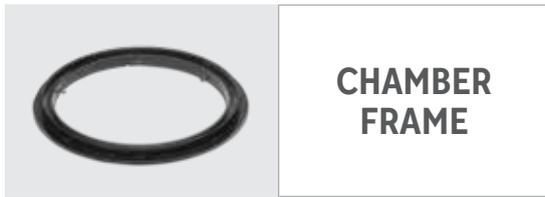
Size (mm)	Product Code	Std. Pkg. (Nos.)
315 x 110	M1420012218	01
355 x 160	M1420012291	01



**CHAMBER BASE  
90° BEND  
(SAME INVERT)**

Size (D) mm	Product Code	Std. Pkg. (Nos.)
315 x 110	M1420014318#	01
355 x 160	M1420014391#	01

# ULTRA MODERN UNDERGROUND FITTINGS



**CHAMBER  
FRAME**

Size (mm)	Product Code	Std. Pkg. (Nos.)
450	M142005220	01



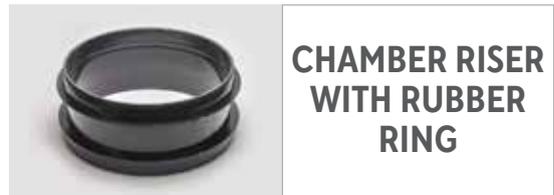
**CHAMBER RISER  
WITHOUT RING**

Size (mm)	Product Code	Std. Pkg. (Nos.)
450	M142005120	01



**CHAMBER  
FRAME  
WITH COVER**

Size (mm)	Product Code	Std. Pkg. (Nos.)
315	M142005718	01
355	M142005791#	01



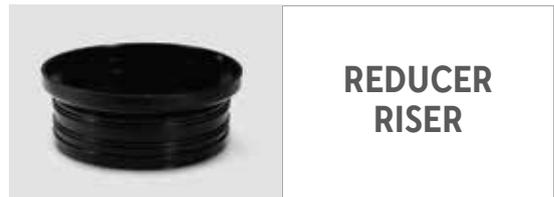
**CHAMBER RISER  
WITH RUBBER  
RING**

Size (mm)	Product Code	Std. Pkg. (Nos.)
450	M142005820	01



**CHAMBER  
FRAME  
WITH COVER**

Size (mm)	Product Code	Std. Pkg. (Nos.)
450	M142005720	01



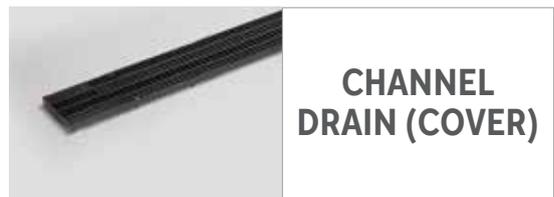
**REDUCER  
RISER**

Size (mm)	Product Code	Std. Pkg. (Nos.)
355 x 315	M1420012492	01



**BLANKING PLUG**

Size (mm)	Product Code	Std. Pkg. (Nos.)
110	M142005909	90
160	M142005912	38



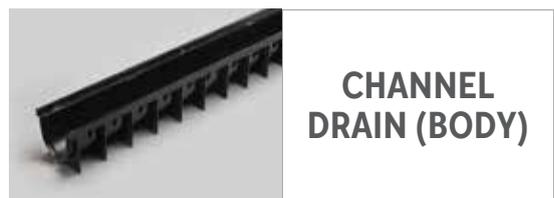
**CHANNEL  
DRAIN (COVER)**

Size (mm)	Product Code	Std. Pkg. (Nos.)
110	M142004709	01



**CHAMBER RISER  
WITHOUT RING**

Size (mm)	Product Code	Std. Pkg. (Nos.)
315	M142005118	04



**CHANNEL  
DRAIN (BODY)**

Size (mm)	Product Code	Std. Pkg. (Nos.)
110	M142004609	01



**CHANNEL  
DRAIN COVER  
WITH BODY**

Size (mm)	Product Code	Std. Pkg. (Nos.)
110	M142006209	01



**CHANNEL  
DRAIN COVER  
TEE**

Size (mm)	Product Code	Std. Pkg. (Nos.)
110	M142004809	24



**PIPE JOINT  
LUBRICANT**

Qty. (gm)	Product Code	Std. Pkg. (Nos.)
100	T005201030	100
250	T005201035	40
500	T005201025	20



**PTFE TAPE  
(12 MM WIDTH)**

Size (Mtr.)	Product Code	Std. Pkg. (Nos.)
5	M003302004	01
8	M003302007	01
8	M003302017	01



**CHANNEL  
BLANKING  
PLUG (LEFT)**

Size (mm)	Product Code	Std. Pkg. (Nos.)
110	M142004909	24



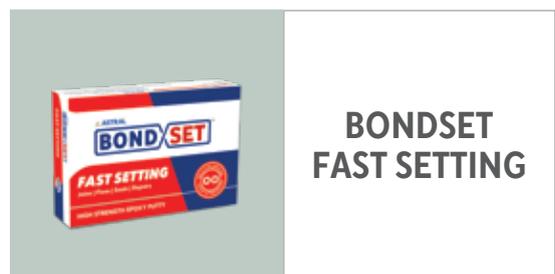
**CHANNEL  
BLANKING  
PLUG (RIGHT)**

Size (mm)	Product Code	Std. Pkg. (Nos.)
110	M142005009	12



**RESCUE TAPE**

Size (Ft.)	Product Code	Std. Pkg. (Nos.)
5	M005601010	120
5	M005601015	120
5	M005601005	120
10	M005601025	120
10	M005601030	120
10	M005601020	120
15	M005601040	120
15	M005601045	120
15	M005601035	120



**BONDSET  
FAST SETTING**

Qty. (gm)	Product Code	Std. Pkg. (Nos.)
50	M000702051	01
100	M000702050	01



*A consumer validated  
Superbrand in piping  
category for  
consecutive 4 years*



*India's Most Trusted  
Pipe Brand based on  
TRA's Brand Trust  
Report for the 5<sup>th</sup> time*

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*India's Most Desired  
Brand based on  
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Report 2022*



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Please get in touch with us between 10 AM to 6 PM  
between Monday to Friday and the last Saturday of the month.  
We will remain closed on Public Holidays.

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