



CELEBRATING  
**25** YEARS  
OF TRUST &  
INNOVATION

**DRAIN TOP**<sup>TM</sup>  
FRP MANHOLE COVER

# ULTRA LIGHT WITH THE MIGHT

*Lightweight Manhole Covers  
For Utility Applications*



## INTRODUCTION

Astral Drain Top is revolutionary product with better performance over conventional products. Astral Drain Top are Solid Top Manhole Covers which are manufactured from Thermoset plastic material like FRP/GRP/Composite and use for drainage and utility services.

## APPLICATIONS

Bicycle Ways, Pedestrian Ways, Car Parking Areas, Kerbside Parking Areas, Roadways, Sea Ports, Airports etc.

## APPLICABLE TESTING STANDARDS

BS EN 124, IS 1726, AASHTO

## FEATURES

- Double seal system
- Key locking or bolt locking arrangement
- Lifting keyholes made with high strength plastic alloy/SS, socket type to avoid wear & tear in lifting area
- Closed bottom keyholes
- Zero permanent set
- Self pigmented
- Non-brittle

## AVAILABLE SHAPES AND SIZES

Square (300, 450, 600 & 900 mm) Rectangular (900 x 600 mm)

**Load Bearing Capacity:** 2.5, 5, 12.5(B125), 25(C250), 40(D400) & 60(E600) ton

**Colour:** Granite finish (available in other colours as per requirement)

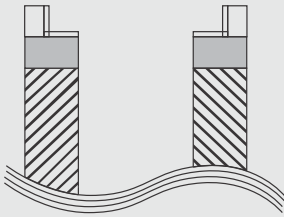


## KEY PROPERTIES

- Resistant to sunlight, water, chemical water and sewerage water
- UV Resistant
- High Impact Resistant
- Higher strength to weight ratio
- Protects from theft
- Suitable for extreme hot and cold conditions
- Corrosion Resistant
- High abrasion resistance
- Nonconductive (Thermally & Electrically)
- Less handling cost due to light weight
- Long-life cycle

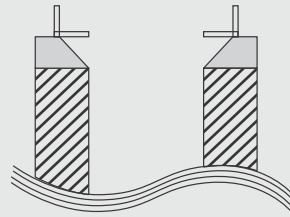
# INSTALLATION

## DO'S



Correct installation of frame with complete civil support

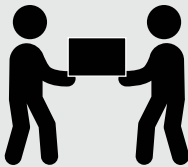
## DON'TS



Load on the frame to be applied only after grouting

# HANDLING

## DO'S



Handle with care

## DON'TS



Do not throw the material

# APPLICABLE LOAD BEARING

GROUP:						
<b>CLASS:</b>	F900	E600	D400	C250	B125	A15
<b>LOAD:</b>	90 Ton (900kN)	60 Ton (600kN)	40 Ton (400kN)	25 Ton (250kN)	12.5 Ton (125kN)	1.5 Ton (15kN)
<b>INSTALLATION AREAS:</b>	Areas imposing high wheel loads	Areas imposing high wheel loads	Carriageway of roads (including pedestrian ways) and parking areas for all types of road vehicles	Kerbside channels of roads	Footways, pedestrian areas and areas with light duty	Areas which can only be used by pedestrian and pedal cyclists
<b>EXAMPLE:</b>	Airports	Sea ports	Roadways and vehicle traffic	Kerbside parking areas	Parking areas for cars only	Bicycle ways, pedestrian ways

# ASTRAL'S WIDEST RANGE OF PRODUCTS

## PLUMBING

CPVC PRO  
Pex-a PRO  
Multi PRO  
Eco PRO  
Aquarius

## CABLE PROTECTION

Wire Guard  
TeleRex  
MultiRex

## ANCILLARY PRODUCTS

Clamps & Hangers  
Weld-on

## SEWERAGE DRAINAGE

Silencio  
Drain PRO  
DrainMaster  
Foamcore  
DrainHulk  
Underground  
D-Rex

## INDUSTRIAL

Chem PRO  
Aquarius Plus

## URBAN INFRASTRUCTURE

Plus+StiRex  
Pre-StiRex

## AGRICULTURE

Bore-Well  
Case-Well  
Aquasafe  
Geo-Rex  
HDPE PRO  
Power Drain  
Droplet

## FIRE SPRINKLERS

Fire PRO

## INSULATION TUBE

Insu PRO

## WATER TANKS

Cleo  
Vito  
Sylo  
Sarita  
Opta



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**

Power of Desire



India's Most Desired  
Brand based on  
**TRA's Brand Trust  
Report 2021**



**ASTRAL TOLL FREE  
1800 233 7957**

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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ADT/LT/000 | REV:07/2022