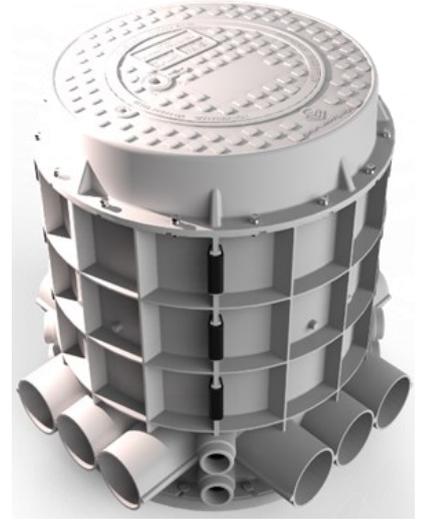


OVERVIEW

The Rhi-Node 600 manhole is deployed in buried telecommunications and other utility infrastructure complementary to blown fibre cable applications. It is modular to achieve flat-stack packaging. The manhole chamber is cylindrical to maximise strength and internal space utilisation. It features a split entry design, to accommodate drop-in installation over existing ducts of various diameters. All its components are manufactured in a quality assured factory, certified to ISO 9001.

The lid and frame of the chamber incorporate a mechanical locking mechanism and is available with a feature enabling unique identification and automated GPS positioning of its location. Fibre cable and slack are stored orderly, allowing for additional cables to be added during the lifespan of the chamber.

An electronic locking solution and an IoT environmental sensor are available optionally, to remotely manage access to the manhole and to monitor the environment inside it and receive alarms when pre-determined levels of vibration/impact and light are exceeded.

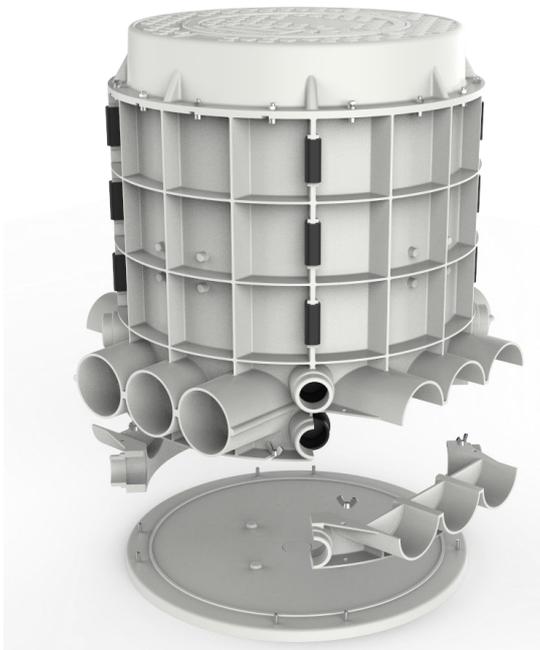
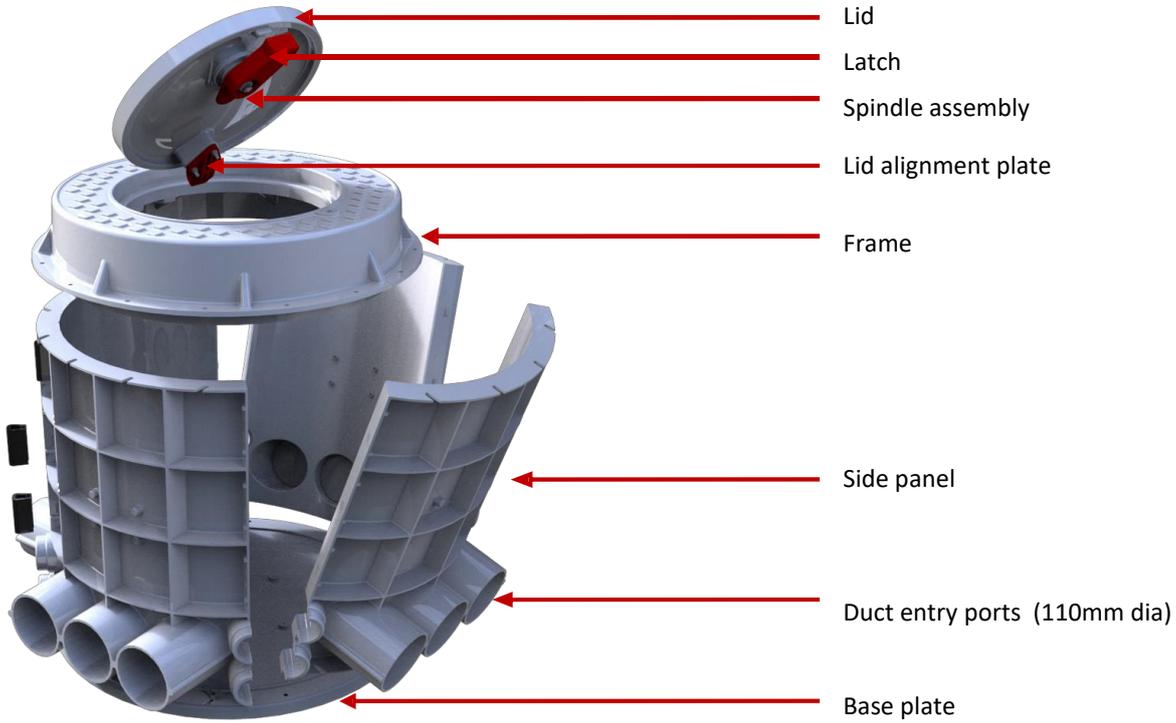


TECHNICAL INFORMATION

| | |
|--|--|
| MATERIALS | |
| Lid, frame, side panels and base plate | UV stabilised glass reinforced polyester (GRP) in sheet moulded (SMC) format; 30% glass fibre content |
| Latch and alignment plate | Thermoplastic |
| Assembly clips | ABS plastic |
| All metal components and fasteners | Stainless steel 304 |
| STANDARDS | SANS 558 Medium Duty and EN124 Class A15 (1.5 ton) |
| ACCESS CONTROL: Standard | Coded mechanical locking and opening mechanism |
| ACCESS CONTROL: Optional | Access controlled mechatronic lock |
| LID | Raised non-slip pattern (65% of surface area), branded |
| DUCT & SLEEVE ENTRY PORTS | 8 off 50mm diameter, normally sealed with knock-out 12 off 110mm diameter, normally sealed with knock-out section |
| MASS | 46kg, fully assembled (max mass of any single component: 24kg) |
| PRIMARY DIMENSIONS | Daylight opening: 350mm, chamber depth: 600mm, extendable |
| WARRANTY | 15 years manufacturer’s warranty |
| OPTIONAL VARIATIONS AND ACCESSORIES | <ul style="list-style-type: none"> Expansion side panels in 300mm height increments Directly opposite split duct entries of 110mm diameter Fully assembled dolomite compliant variant, including compression glands and combi-boots for various duct configurations, water-tight panels and base, and sealed joints |

EXPANDED VIEW AND ACCESSORIES

Components



Fibre management kit



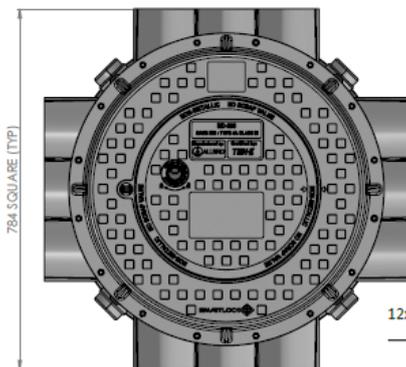
Slack bracket (4x per manhole)



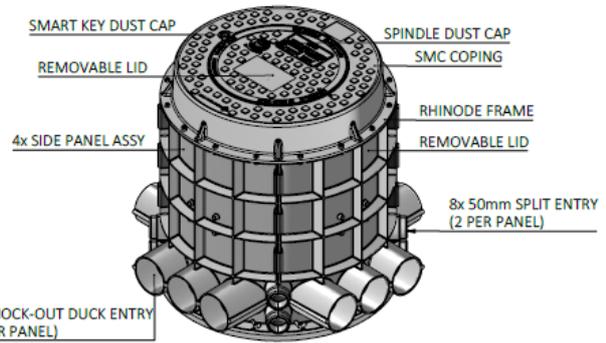
Compression seals and combi boots

TECHNICAL DRAWING: STANDARD UNIT

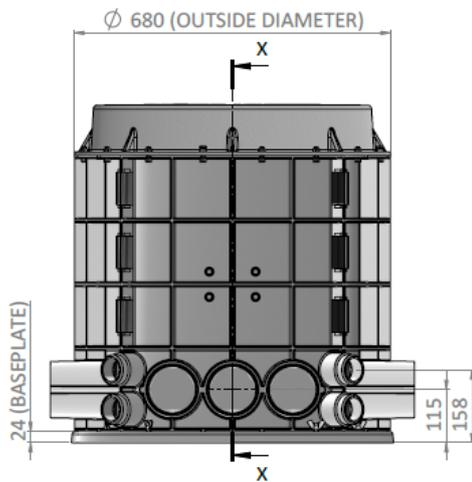
TOP VIEW:



ISOMETRIC VIEW:



SIDE VIEW:



SECTION VIEW x-x:

