OVERVIEW

The Rhi-Node 400 manhole is deployed in buried telecommunications and other utility infrastructure; often complementary to blown fibre cable applications. It is modular to achieve flat-stack packaging. The manhole chamber is circular at its top and cubical at its bottom to maximise strength and internal space utilisation. 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, above the ducts to ensure that the duct entries, remain unobstructed, allowing for additional cables to be added during the lifespan of the chamber.

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	
Load bearing and impact strength	SANS 558 Light Duty and EN124 Class A15 (1.5 ton)
ACCESS CONTROL	
Standard	Coded mechanical locking and opening mechanism
Optional	Access controlled mechatronic lock
LID	Raised non-slip pattern (65% of surface area), branded
DUCT & SLEEVE ENTRY PORTS	8 off 50mm diameter, split design, sealed by means of end-caps with knock-out
MASS	8kg, fully assembled
PRIMARY DIMENSIONS	Daylight opening: 310mm, chamber depth: 400mm
WARRANTY	15 years manufacturer's warranty
OPTIONAL VARIATIONS AND ACCESSORIES	• RFID tag • Expansion side panels to increase depth to 600mm • Fully assembled dolomite compliant version, including combi-boots for various duct configurations, water-tight panels and base, and sealed joints

List of Components
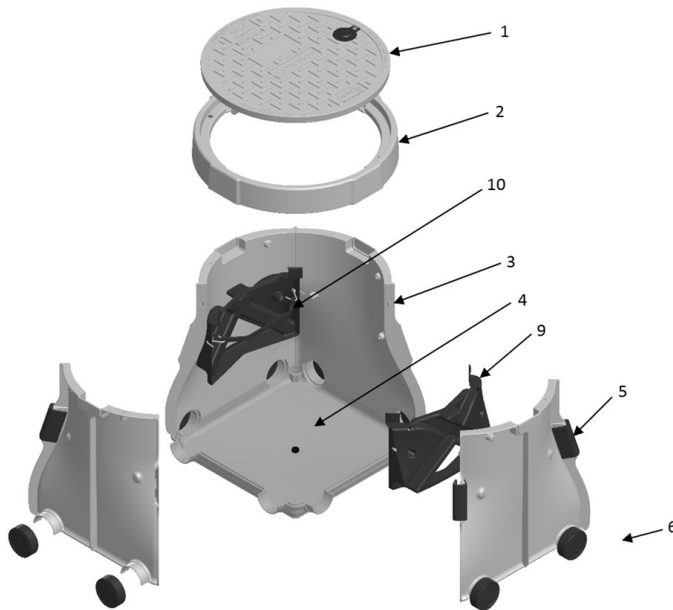
1. Lid

2. Coping
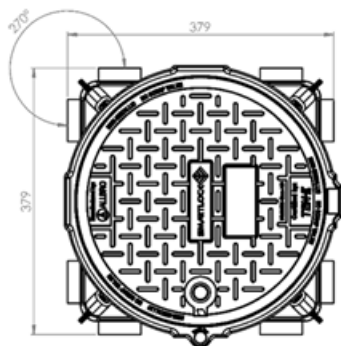
3. Side panel

4. Base plate

5. Clip

6. Duct entry ports (50mm dia)

9 & 10. Splice management bracket