RHI-NODE 1000 (MHL-003)

DATA SHEET

OVERVIEW

The Rhi-Node 1000 chamber is deployed in underground telecommunications and other utility infrastructure, complementary to blown fibre cable applications. It is modular to achieve flat-stack packaging. The 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. Brackets are provided for cable slack management, and adding additional cables during the chamber lifespan.

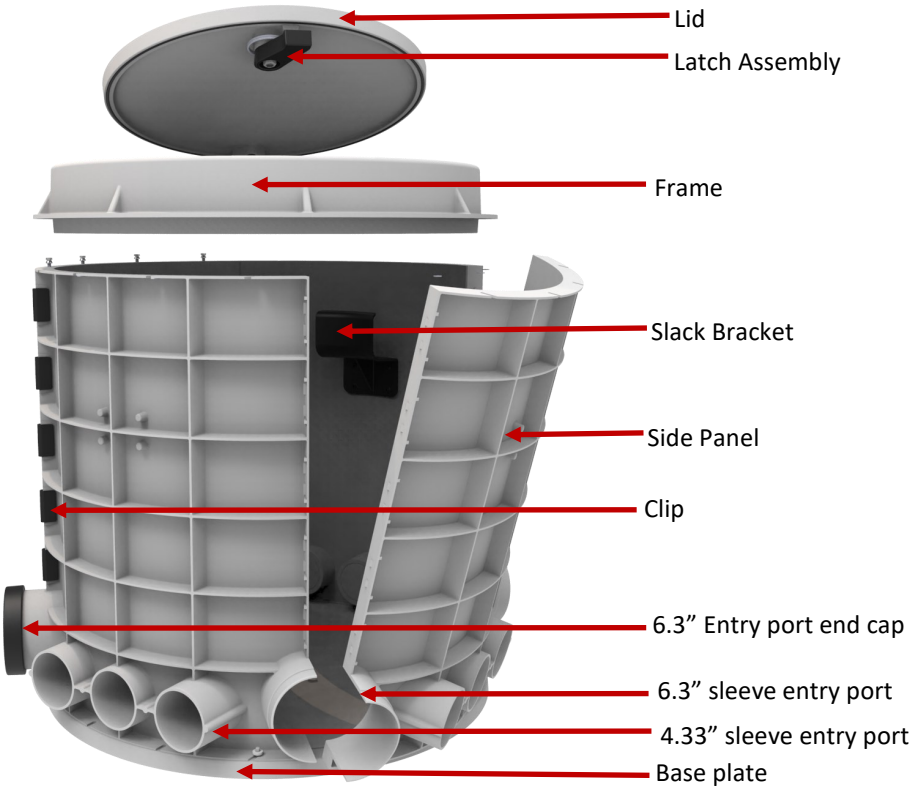
An electronic locking solution and an IoT environmental sensor are available optionally, to remotely manage access to the chamber and to monitor the environment inside it and receive alarms when pre-determined levels of vibration/impact and light are exceeded.

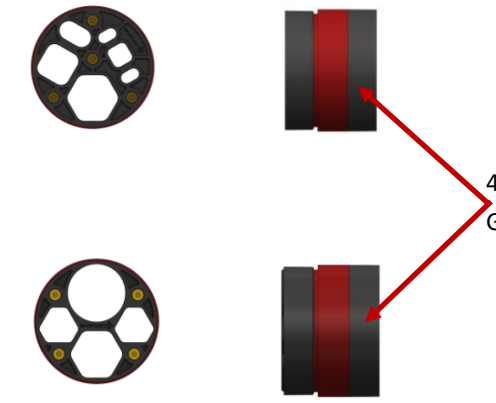
TECHNICAL INFORMATION

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	ANSI/SCTE 77—TIER 22
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	12 off 4.33” diameter, normally sealed with knock-out section
	4 off 6.3” diameter, split entry, sealed with end-cap
MASS	216lb, fully assembled (max mass of any single component: 57.3lb)
PRIMARY DIMENSIONS	Daylight opening: 25.6”, chamber depth: 36.37” extendable
WARRANTY	15 years manufacturer’s warranty
OPTIONAL VARIATIONS AND ACCESSORIES	• Expansion side panels in 5.9” height increments • Extra sets of duct entry ports • Brackets for fibre slack management and mounting of splice closures • Fully assembled dolomite compliant variant, including compression glands for various duct configurations, water-tight panels and base, and sealed joints

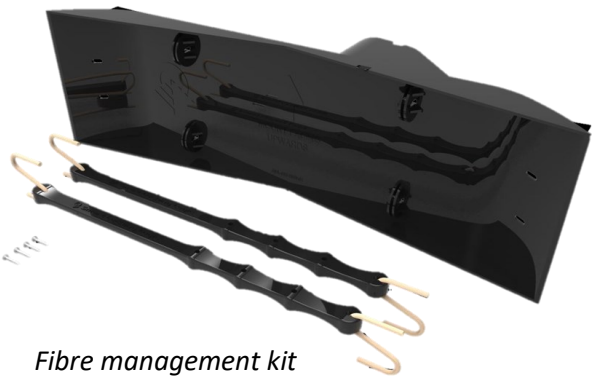
EXPANDED VIEW AND ACCESSORIES

Components





Different compression seals

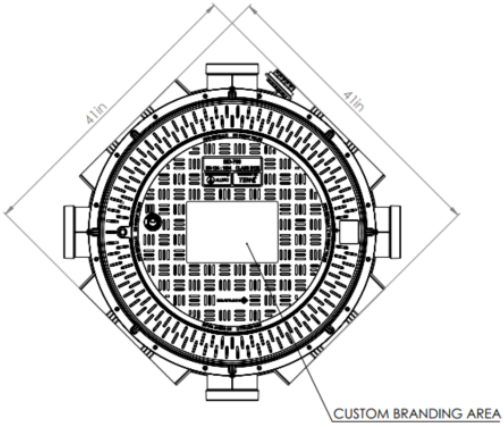


Fibre management kit

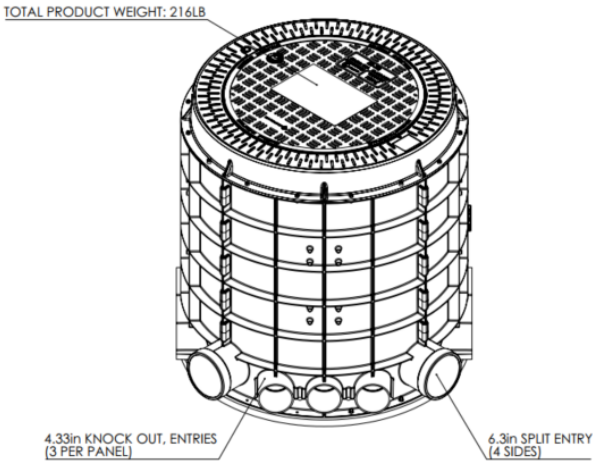
Slack bracket (4x per chamber)

TECHNICAL DRAWING: STANDARD UNIT

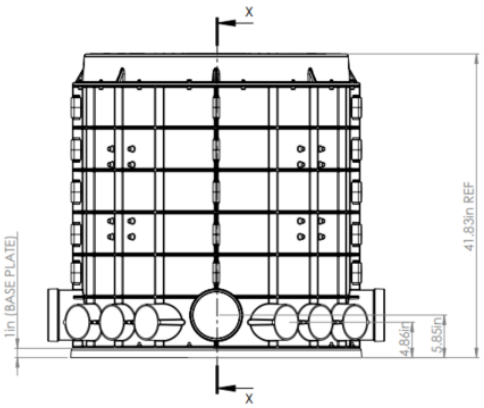
TOP VIEW



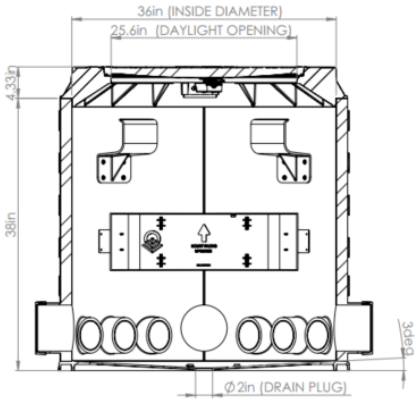
ISOMETRIC VIEW



SIDE VIEW

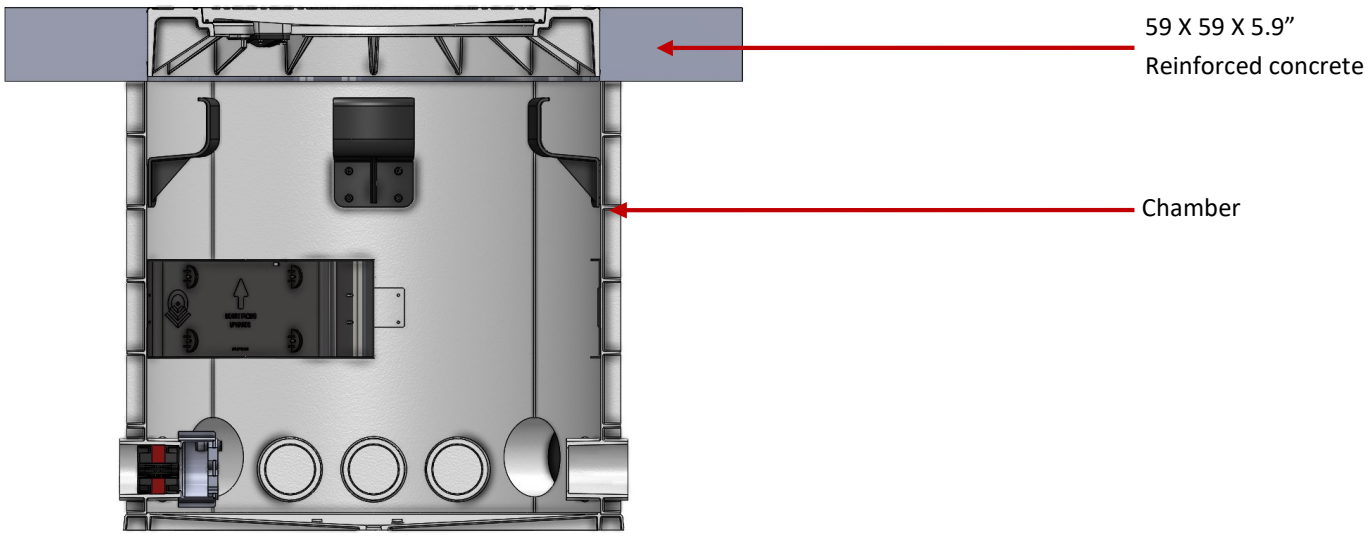


SECTION X-X



ADDITIONAL RECOMMENDATION:

For high vandalism/low security areas, it is recommended that a 59 X 59 X 5.9” reinforced concrete slab must be casted on site after the chamber is deployed in final position. Make sure that the top bolts where the coping is installed on the side panels are covered with reinforced concrete.



3150 SW 15th St, Deerfield Beach, FL 33442 | www.amt.com | sales@amt.com

Call Us: 954.427.5711
Toll Free: 888.293.5856