

OVERVIEW

The Manhole Lid & Frame comprises a non-metal moulded circular lid and frame, onto which a concrete coping is cast, either as pre-cast in a factory or on-site. It is deployed in underground telecommunication, water, sewage and electricity utility infrastructure; on top of manhole chambers. All its components are manufactured in a quality assured factory environment, certified to ISO 9001.

The Manhole Lid & Frame incorporates a mechanical locking mechanism of a given type, depending on the security level required. An electronic locking solution and an IoT environmental sensor can also be incorporated, to remotely control and manage access to the manhole on which it is used, as well as to monitor the security and environmental alarms and thresholds within such chambers.



TECHNICAL INFORMATION

MATERIALS

Lid and frame	UV stabilised glass reinforced polyester in sheet moulded format; (SMC) (Propriety engineered formulation optimised for application)
Latch and alignment plate	Thermoplastic
Assembly clips	ABS plastic
All metal components and fasteners	Stainless steel 304

STANDARDS

Load bearing and impact strength	ANSI/SCTE 77—TIER 22
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ACCESS CONTROL Standard	Coded mechanical locking and opening mechanism
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ACCESS CONTROL Optional	Access management electronic lock
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LID	Raised non-slip pattern (65% of surface area), branded
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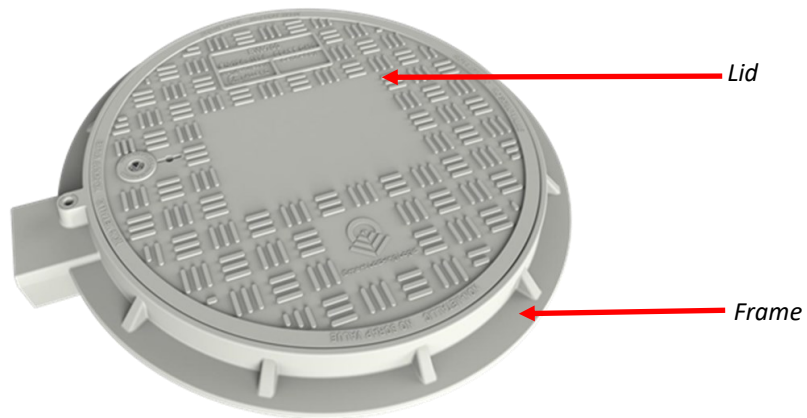
MASS	73lb Lid - 51lb, Frame:- 22lb (excluding mass of cast concrete coping)
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PRIMARY DIMENSIONS	Daylight opening: 25.6"
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WARRANTY	15 years manufacturer's warranty
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OPTIONAL EXTRAS	Pre-cast concrete coping, aligned to load bearing specification of Manhole Lid & Frame
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Components



Technical

