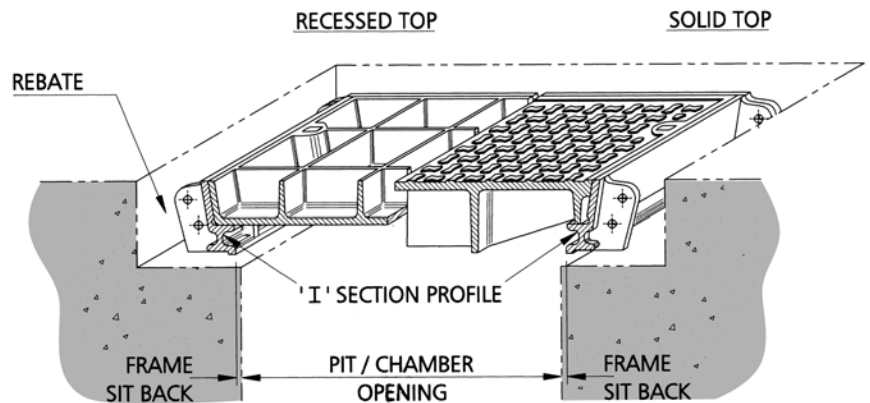


GATIC 2000

Design Specification



Cover Type

Gatic 2000 covers are recessed or solid top according to specifier preference and availability.

Infill

Gatic 2000 recessed covers are designed for infilling with concrete as specified in BS EN 124 - C45/10.

Non-Slip

Gatic 2000 solid top covers incorporate a non-slip lozenge pattern.

Tolerance

The seating faces of Gatic 2000 covers and frames will be machined so that when positioned together the metal to metal contact achieved will be within 0.25mm tolerance.

Non-Rocking

When Gatic 2000 units are installed to the same degree of accuracy imparted during manufacture, the covers will be non rocking under traffic and sealed against the ingress of road dirt and other detritus.

Watertight

The interposition of a film of graphite grease between the contacting seating faces of Gatic 2000 units will provide a gas and airtight seal and a watertight joint under normal rainwater conditions.

Pressure Tight

Where an extreme head of pressure may occur Gatic 2000 units can be fitted with an additional fixings. Refer to page 13 on Special Facilities.

Slide Out

The machined underside seating face of Gatic 2000 covers facilitates the slide out technique of removal and replacement.

Operator Control

Jack screw operating keys locate positively and securely into Gatic 2000 covers and are a necessary tool if the inherent cover seal is to be broken effectively and to allow operator maximum control during operation.

Vandal Proof

Gatic 2000 covers are designed to inhibit removal by unauthorised personnel.

Secure

Locking bolts can be fitted into Gatic 2000 cover keyways as an additional security feature.

Closed Keyway	Gatic 2000 cover keyways will be fitted with a plastic plug to prevent blockage by road dirt or other detritus.
Interchangeability	Gatic 2000 covers produced from the same pattern will normally be interchangeable but to ensure that tolerances achieved during manufacturing can be replicated on site, all covers and frames will be notched across the surface joint and/or numbered.
Loading	All Gatic 2000 covers will withstand the test load, deflection and maximum deformation criteria specified in BS EN 124, for each loading category.
Frame Bars	Gatic 2000 Type M and Type DM supporting frames will incorporate an 'I' beam design profile to provide a robust and rigid frame which will withstand the specified test loads, without any concrete infill or backfill.
Rigidity	The robust and rigid design of the Gatic 2000 Type M and DM frame, combined with the close manufacturing tolerances provides a monolithic structure which will withstand the dynamic factors associated with traffic movement and impact.
Secure Support	The clear opening between Gatic 2000 supporting frames will be at least 10mm greater than the pit/chamber design to allow for minor deviations in pit construction dimensions.
Beam Wallbox	Supporting beams in Gatic 2000 multispan units are easily removed with appropriate lifting equipment to facilitate access to the total chamber area. Beam wallboxes will not project into the chamber opening.
Finishes	Gatic 2000 units will be coated with a black bituminous solution which acts as a temporary protection during transit. Removable supporting steelwork will be galvanised to BS EN ISO 1461-1999.
Installation	Each consignment of Gatic 2000 units will be accompanied by comprehensive installation instructions.
Levelling Bolts	All side frame bars and wallboxes are fitted with bolts to assist in the levelling of the unit during installation.
Materials	Grey Iron Components to BS 1452 / ISO 185 Ductile Iron Components to BS 2789 / ISO 1083 Steel Components to BS EN 10083 / ISO 630 Fasteners to BS EN 3052
Computer and Design Service	Elkington Gatic offer a computer aided design service to provide assistance to specifiers and contractors. Details of all Elkington Gatic products are available on our system which is AutoCAD compatible. This information is supplied in traditional form DWG in DXF or IGS formats. Please consult our technical department for assistance.
Design Changes	In furtherance of our on-going commitment to product improvement, the Company reserves the right to alter designs without notice. Design changes will not diminish the performance or loading capability of the product.