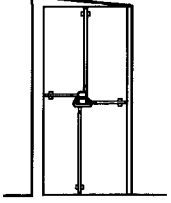
SURELOCK McGILL LTD

Multiple bolting systems for Emergency Exits



SYSTEM B4

Providing Emergency Exit facilities while complying with firecheck and/or security requirements can be difficult. SURELOCK System B4 is a 4-way bolting system with a wide range of options which provide the flexibility to cater for almost every conceivable Emergency Exit requirement.

The system can be fixed to the surface of a door (surface-mounting) which permits full access for maintenance. Auto-bolting is fitted as standard so the door is re-secured automatically upon closure. The panic handle can be replaced by a long ball-lever handle option **H4**, or a green SURELOCK lever handle option **H5**; see Fig. 2 on page 1.24.2. Other options include a range of visual and electrical monitoring facilities and key access from the outside.

Operation

SURELOCK systems are engineered multiple-bolting systems designed to provide a door with physical strength and stability. System B4 secures a door at all four sides of the frame with hardened steel bolts. Pressure on the panic bar (or other release mechanism) retracts all four bolts simultaneously to provide an emergency exit. A rack-and-pinion mechanism in the system engenders it with a characteristically smooth positive action.

Options

SURELOCK options for System B4 are listed in full on the option range page. They enable the system to be tailored to many different operational requirements and include:-

- External key access while maintaining the emergency exit facility - option **L**
- Electrical or visual monitoring of bolt or lock status - options **M**, **N**, and **V**
- Stainless steel (except lock) - option **S**

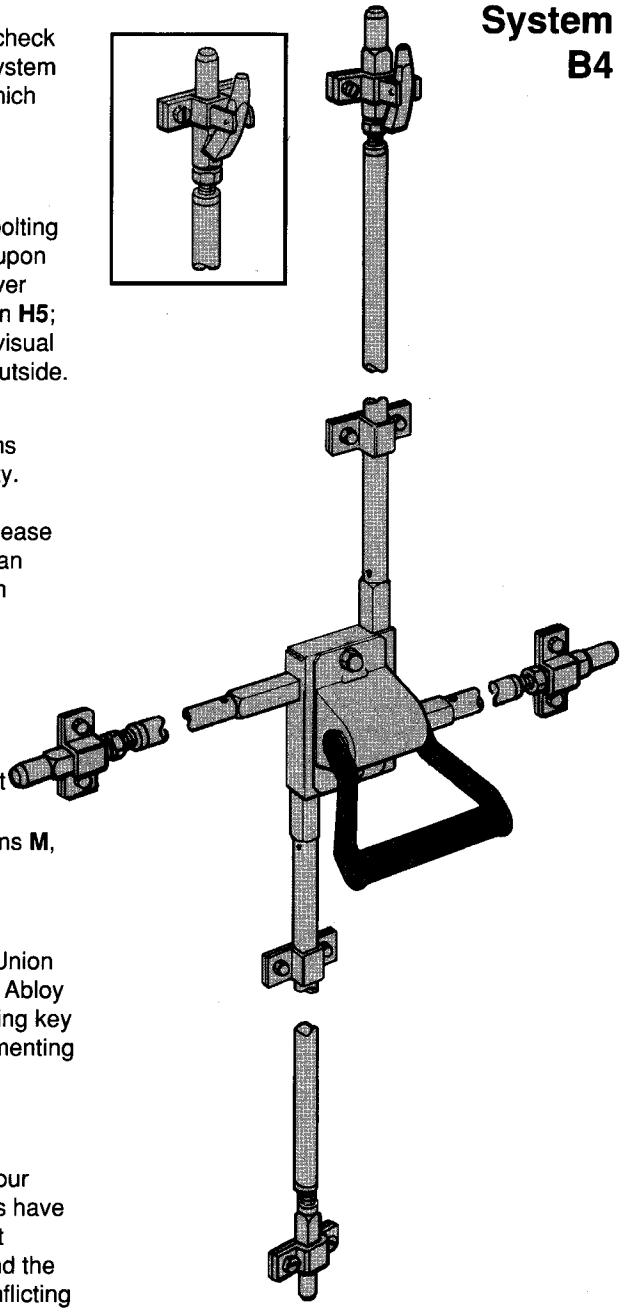
The external key option, if selected, is normally fitted with a Union cylinder. Alternatively, Kaba, Assa, Yale, Bramah, Medeco, Abloy and others can be fitted. This permits key-suiting to an existing key plan and/or the selection of a registered key system complementing the high physical security of the SURELOCK system with an equally high level of key control.

Applications

We have catered successfully for most requirements during our many years experience. Stainless steel SURELOCK systems have found application in the offshore oil industry. Emergency exit systems have been fitted where special requirements demand the highest standards of safety combined with the seemingly conflicting requirement for the door to remain secure, even after the emergency exit has been breached.

If your problem seems to be outside the scope of our systems, why not talk to us about it - we've probably met it before. SURELOCK experience is unrivalled and our wide range of options cater for almost every situation in the **Security**, **Fire**, and **Safety** fields.

System B4



System B4 surface-mounted on an outward-opening door. The system adds considerable strength to a door by bolting it on all four sides.

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SURELOCK McGILL LTD

Option code **L**

Lock with Emergency Override (LEO)

The SURELOCK LEO module is designed for use with SURELOCK Fire/Safety and Emergency Exit Systems (A and B). It enables a door to be securely locked from the outside while simultaneously providing an emergency or safety exit for those on the inside. The module is suitable for use in most hostile environments including offshore conditions.

Options include:-

- Automatic door re-securement
- Electrical monitoring of the lock status
- A choice of key cylinders from leading manufacturers

Operation

The LEO module is an option with SURELOCK Fire/Safety and Emergency Exit Systems providing key entry and a handle on the outside of the door. With the module locked the door is secure from the outside but operation of an inside handle or panic bar overrides the lock retracting all bolts simultaneously so the door may be opened.

With the LEO module unlocked the door may be opened from the outside but an auto-re-locking option (code **K**) can be specified to ensure that the LEO module is left in the locked condition whenever the key is removed.

Auto-bolting and automatic door re-securement

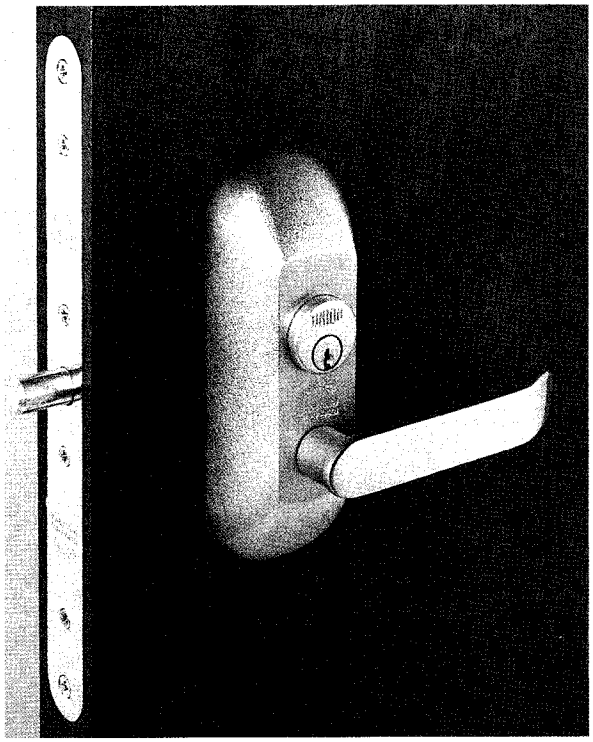
Auto-bolting is necessary for systems fitted with a LEO module. This automatically returns the door to its previous secure status when it is closed after an Emergency Exit has been breached. Full emergency exit and other SURELOCK facilities will remain operative throughout.

Key security

Unless otherwise specified, the LEO module is supplied fitted with a Union cyclinder. Alternatives include Kaba, Assa, Yale, Bramah, Medeco, Abloy, and other leading manufacturers. The choice permits key suiting to an existing key plan and/or the selection of a registered key system complementing the high physical security of the SURELOCK system with a similarly high level of key control.

Recessed LEO

A recessed LEO which can be fitted into the door is available. It is operationally the same as the LEO described here but the dimensions, appearance, and the materials used in its construction differ. More details are given on page 2.12.3.



The LEO module enables a door equipped with SURELOCK Systems A or B to be securely locked from the outside. while always providing an emergency exit for those on the inside.

SURELOCK systems

SURELOCK multiple-bolting systems add strength and stability to a door by securing it at top, centre and bottom with 15 mm diameter, hardened steel bolts. A rack and pinion mechanism engenders the bolting system with its characteristically clean positive action. The system is designed to endow a door with a high resistance to determined physical attack and the resilience necessary to resist high temperatures and stress.