

MANUAL & ELECTRIC OPERATED STEEL ROLLER SHUTTERS

Access door

Where steel roller shutters require access doors, there are two types available:

- Wicket Gate;
- DLI Gate.

A 600 mm wide x 1200 mm high open-in wicket gate can be specified on either side of a shutter if access is required to open shutter door.

Wicket gates are fitted with a Lockwood nightlatch.

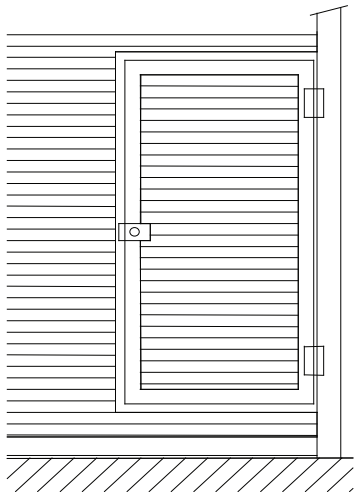


Figure 3 WICKET GATE

A 1000 mm wide x 2000 mm high open-out escape (DLI) gate is available for applications where emergency exit is required through the shutter (only this option complies with fire dept. regulations).

Escape doors are fitted with Lockwood Deadlatch Model 002 SC Lever that complies with Fire dept. regulations for exit doors. Also, the gate is fitted to the shutter to ensure it complies with the maximum 10mm high protrusion that is permitted across the floor or sill of an exit door.

Access doors can be supplied with a new shutter, or to an existing shutter. For the DLI gate it is important that the guides must be fitted flush with the edge of the jamb, otherwise the gate will not open out the full 90 degree rotation.

For supply to an existing shutter, please consider whether the existing shutter slat profile needs to be compatible to what will be provided on the access door.

For supply to a new or existing motorised shutter, it is strongly recommended that a safety switch should also be fitted to the gate to ensure the shutter will only operate when the access gate is in the fully open position.

Access gates should not be fitted on remote controlled openings.

Ventilation

Any number of slats of curtain can be punched with a 138mm wide x 40mm high oval shaped 'D – Punch' slots, which includes a 20mm wide centre brace for extra support. At the standard pitch this provides 20% free air flow per slat. This option is available on our 100mm slat only, in 0.8mm or 1.0mm thicknesses.

Alternatively, for our 100mm & 75mm x 1.0mm slat, we can provide any number of slats with multi – hole perforations, comprising of a series of Ø2.41mm holes at 3.66mm staggered centres. This provides 33% free air flow per slat for 100mm, or 27% free air flow per slat for 75mm. As the multi – hole process removes a substantial portion of the slat's zinc coating, we do not recommend this slat be used in corrosive environments, or in any reasonable proximity to salt water.

Locking

Manual roller shutters can be fitted with shoot bolts for padlocks either to the internal or external face of the bottom rail. These can be fitted to the aluminium & box section bottom rails only. They may also be fitted with a keylock. A bottom rail is to be provided where shoot bolts or keylocks are required.

Chain operated shutters are locked with a wall mounted chain lock keeper to take a padlock (padlocks are by others), but can be specified with shootbolts. Electric operated shutters are locked by the electrical motor, and should not be fitted with a keylock or shoot bolts unless a safety switch is fitted to prevent the risk of motor burnout. This problem is not covered under our warranty obligations.

In the event of power failure, motorised shutters will lose their locking security. The hauling chain will need to be secured to the chain keeper to ensure security is retained.

'Rivers' locking bottom rails can also be supplied on request. For motorised shutters with this option a safety switch must be used to prevent motor burnout.