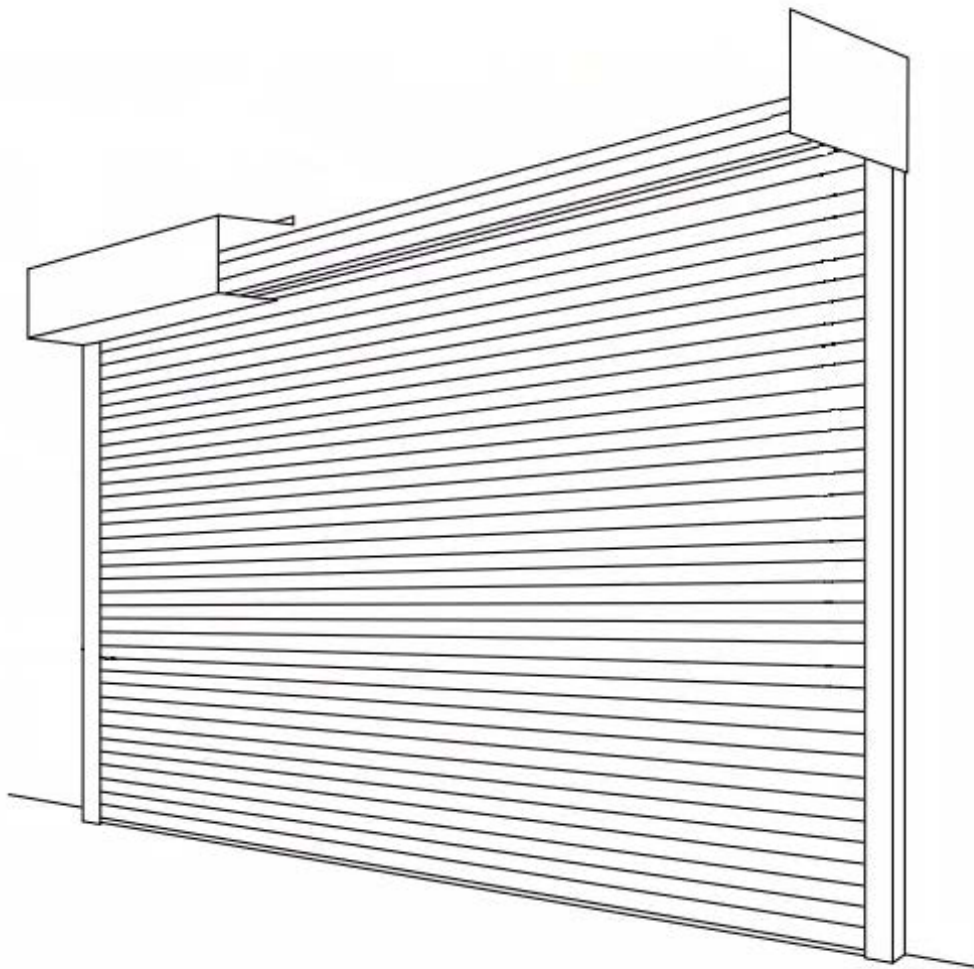


**DOOR SYSTEMS**

## *Push/Pull Roller Shutter*

*User's Manual*



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## ***1. For Your Safety***

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Please read and observe this manual. It provides you with important information about the safe operation, cleaning, and maintenance of roller shutters. The information is for guidance only and is deemed correct at the date of issue.

- All users must read and understand this document prior to operating the door.
- Regularly inspect the door for any damages. Report any damages before use.
- Do not use the door as a hoist
- Do not climb on the door.
- Do not lean against the door or guide track.
- Ensure the door and opening is clear of any obstructions prior to use.
- Doors should be regularly maintained and inspected by a qualified engineer.
- Only qualified engineers should undertake repairs to the door.
- Do not operate the door in heavy winds.

## 2. Operation

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*Please ensure that the door and opening is clear of any obstructions prior to operation. Should you experience any difficulty, please contact our service department.*

### ***To Open***

- Ensure that all locking mechanisms have been removed, and the wicket door has been hinged completely to one side (if applicable).
- Without bending your back, grab either the bottom rail or handles and lift the door to the fully open position. It will hold itself open at this point.

#### ***Attention***

- Should the door suddenly stop during operation it is possible the safety brake has engaged. Try gently reversing the pull chain direction to release, and then continue to open. If the door is still locked, please contact our service department
- For safety, always open the door to full height.

### ***To Close***

- Ensure the opening is clear of any obstructions.
- Grab the bottom rail or handles and pull the shutter down to the fully closed position (taller doors may be supplied with a separate pull handle to assist).
- Once the door is fully closed, engage the locks to hold the door closed.

#### ***Attention***

- Should the door suddenly stop during operation it is possible the safety brake has engaged. Try gently reversing the pull chain direction to release, and then continue to open. If the door is still locked, please contact our service department

### 3. Locking

Your roller shutter may have been supplied with a locking mechanism. Please ensure all locks are removed prior to operation to prevent damage to the roller shutter.

#### ***Pin Locks***

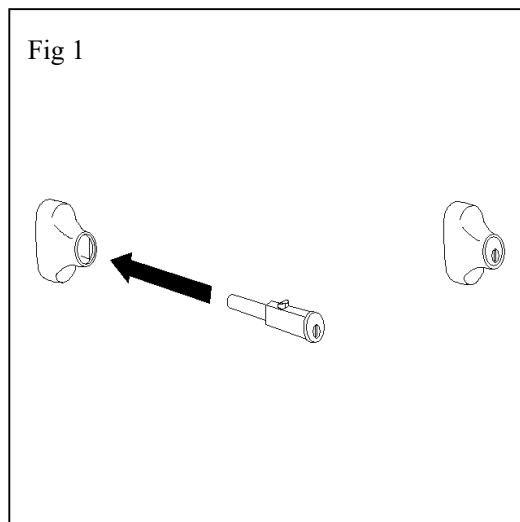
Pin locks hold the curtain closed through the guide channel. They are usually supplied as a pair, one on each guide.

#### ***To lock the shutter***

- With the shutter in the closed position, you should be able to see a clear path straight through the pin housing and curtain. Adjust the curtain height if you cannot see straight through.
- Slide the pin into the housing, and through the curtain (Fig 1). The pin should lock into place. You may need to turn the key to fully engage the pin. Repeat on the other pin lock.

#### ***To remove the pins***

- Insert the key into the pin. Turn and pull to remove.



#### ***Ground Lock***

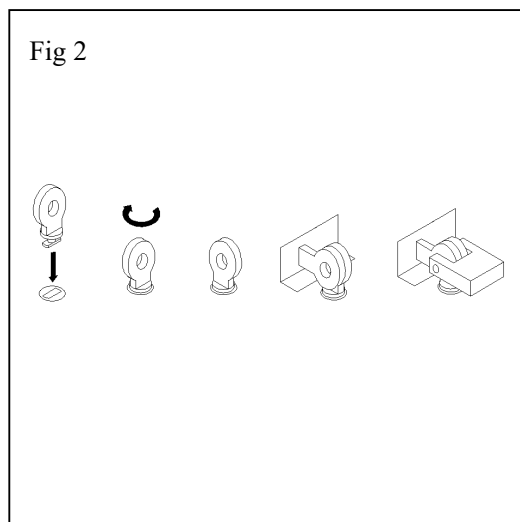
Ground locks hold the curtain to the floor. They usually supplied as a single lock, but more than one may be installed.

#### ***To lock the shutter***

- With the shutter in the open position, locate the eyelet into the floor receiver and turn 90 degrees clockwise (Fig 2).
- Close the shutter to the floor and the two eyelets should roughly lineup. You may need to give it a wiggle to line it up. Once in line, insert the padlock.

#### ***To remove the lock***

- Unlock and remove the pad lock.
- Open the shutter. Then twist the eyelet 90 degrees counter clockwise to remove. Never leave an eyelet in the floor.



### ***Center Lock***

The centre lock holds the bottom rail to the side guides by a steel rod mechanism operated via a central keyed unit.

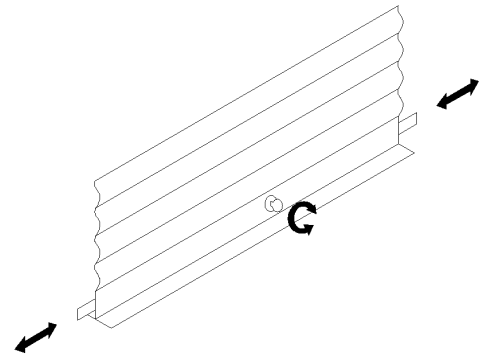
#### ***To lock the shutter***

- With the shutter in the closed position, insert the key and turn to engage the lock (Fig 3). You may need to apply downward pressure to the bottom rail to ensure the locks fully engage. The key will release when locked.

#### ***To unlock the shutter***

- Insert the key and turn to disengage the lock. You may need to apply pressure downwards on the bottom rail to disengage. The key will release when fully disengaged.

Fig 3



### ***Side Locks***

The side locks holds the bottom rail to the side guides by a steel rod mechanisms operated via two keyed units.

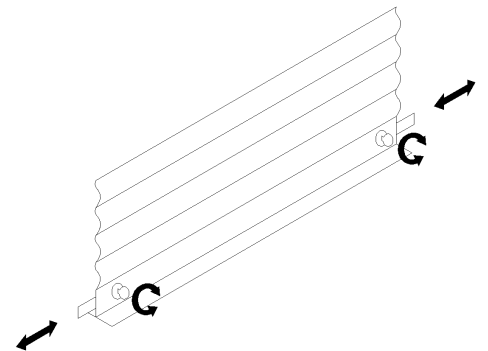
#### ***To lock the shutter***

- With the shutter in the closed position, insert the keys and turn to engage the lock (Fig 4). You may need to apply downward pressure to the bottom rail to ensure the locks fully engage. The keys will release when locked.

#### ***To unlock the shutter***

- Insert the keys and turn to disengage the lock. You may need to apply pressure downwards on the bottom rail to disengage. The keys will release when fully disengaged.

Fig 4



### ***Lateral Locks***

Lateral locks holds the bottom rail to the side guides by a manually operated steel shoot bolt that can be secured with padlocks.

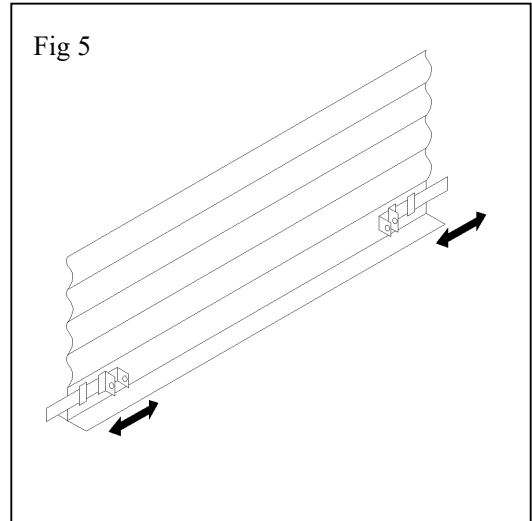
#### ***To lock the shutter***

- With the shutter in the closed position, push the shoot bolts into the guides (Fig 5). You may need to apply downward pressure to the bottom rail to ensure the locks fully engage. The locks can now be padlocked.

#### ***To unlock the shutter***

- Remove the padlocks if applied and pull the shot bolt from the guide. You may need to apply pressure downwards on the bottom rail to disengage.

Fig 5



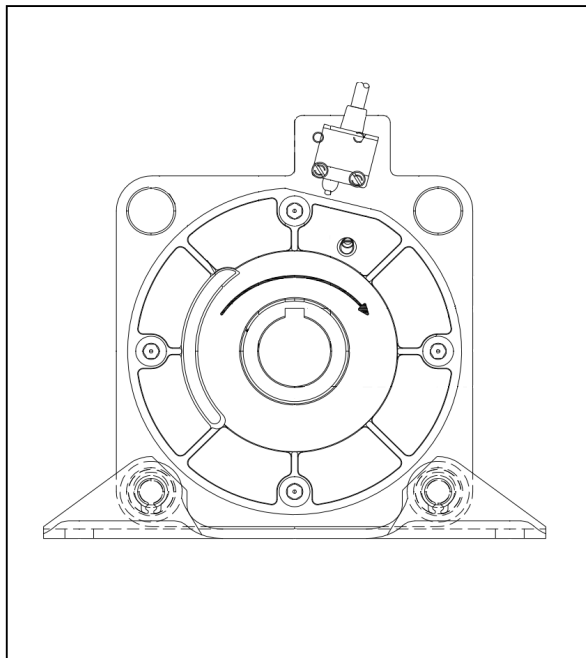
## 4. *Safety Brake*

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Depending on the use and weight of the roller shutter it may have been supplied with an anti-fall back device. The main purpose of the safety brake is to prevent the curtain from dropping in the event of a spring failure or drive failure. The brake is activated when the barrel spins beyond a certain speed. When activated, the brake locks the barrel preventing any further movement.

On manually operated doors it is possible to activate this brake if the door is not operated via a controlled manner as described within the operation part of this manual. If activated, gently reverse the direction of the shutter to release it. Continued activation of the brake system will cause it to shift and continually activate even during standard operation. If the door will not operate in either direction then there is a critical failure. Should this occur, please contact our service department. Do not attempt to operate or secure the door.

If the roller shutter is electrically operated, the speed of the barrel is dictated by the motor and controls and therefore accidental activations cannot occur. Should the brake activate, either the motor drive system has failed or the brake unit, and you will need to contact a service department to arrange for an engineers visit. Do not attempt to operate or secure the door.



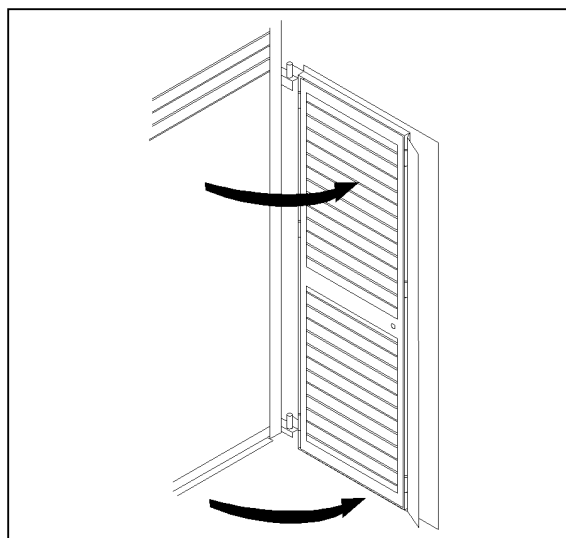
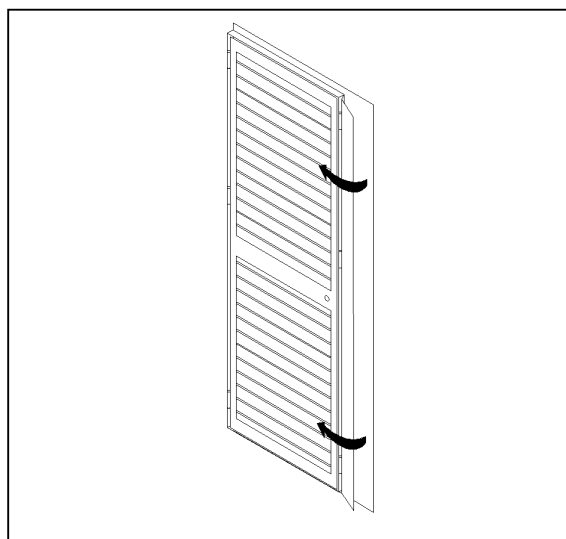
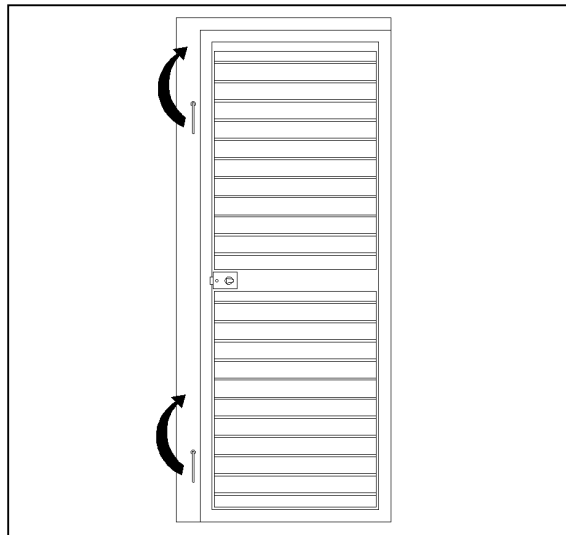


## 5. Wicket Door

*The wicket door must be hinged to one side before the roller shutter is operated. Failure to do so may result in damage to both the roller shutter and wicket door.*

### ***To Hinge the Wicket Door Open***

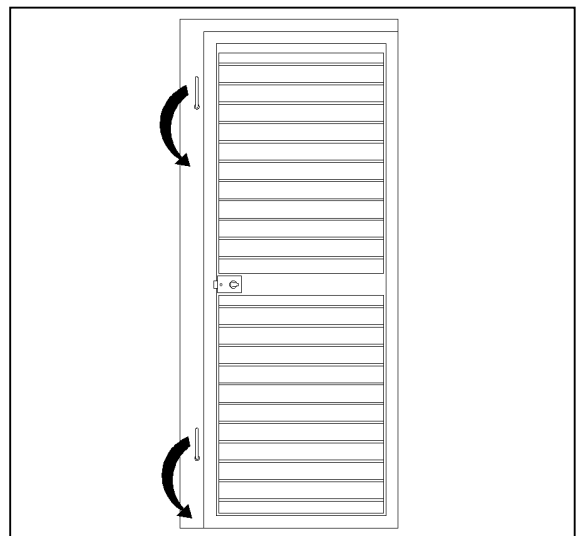
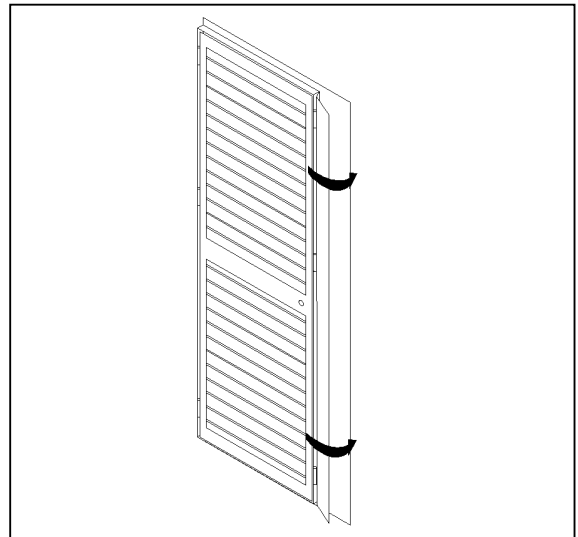
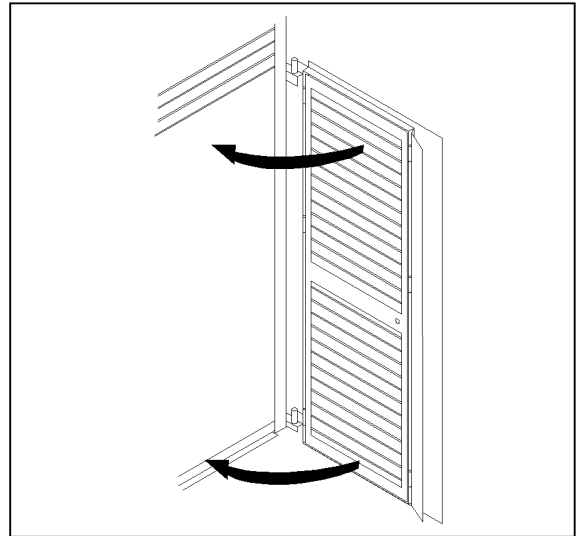
- Release the top and bottom internal levers to release the external securing flap.
- Swing out the external securing flap to release the door from the roller shutter curtain.
- Pull the door and frame back away from the roller shutter so that it is completely clear of the curtain, and locate it back to the wall with either the locating pin or hook and eye.



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*To Hinge the Wicket Door Closed*

- Ensure the external securing flap is open. Release the door & frame from the wall and swing back into roller shutter.
- Close the external securing flap so that it clamps onto the roller shutter curtain.
- Turn the top and bottom internal levers to lock the external securing flap.



## ***6. Cleaning & Maintenance***

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### ***Cleaning***

It is important to ensure that the door is kept clean from dust, dirt, leaves, small branches etc, especially from the guide system. General dirt and debris can build up in the guides and obstruct the travel of the door. This should be checked and cleared periodically, just with a brush.

The curtains and outside of guides can be cleaned using a rag, sponge, and general non-abrasive detergents. For your safety, please be careful not lean ladders against the curtain or guides during cleaning.

Do not attempt to clean the motor or control panel as this is potentially dangerous.

Safety photo cells should be carefully cleared using a dry rag; with care taken not to dislodge their position as this could cause the shutter to stop working.

### ***Maintenance***

Maintenance and repairs should only be undertaken by an experienced technician. Do not attempt to undertake any maintenance or repairs. Please contact our service department for a quotation.

Regulations dictate that all roller shutters be inspected for safety periodically, under a preplanned maintenance regime. The roller shutter should be inspected for safety, regularly maintained, and kept in good repair. Failure to do so could lead to damage to property or injury to persons.

The frequency of inspection is dependant upon usage. Minimal usage doors (e.g. Grain Stores) should be inspected annually, more frequently used doors (e.g a distribution centre loading bay) should be inspected every six months, and heavily used doors (e.g a car park shutter) should be inspected every three months. Contact our service department for further advice.

### ***Daily Checks***

It is advisable that before the roller shutter is used, a quick visual check for any damages should be completed. Do not attempt to repair any damages, please call our service department for help and advise.



## **DOOR SYSTEMS**

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Subject to technical changes.