

Fitting Instructions



HEALTH AND SAFETY AT WORK ACT 1974

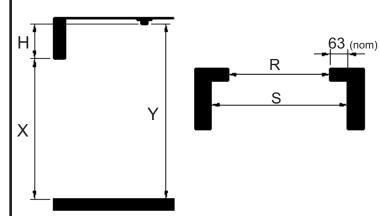
Users are reminded of their obligation to ensure that all persons involved in handling, installing, disposing of this product are made aware of these notes and that

sufficient information is passed to your customer to comply with the Act. In particular, note that under no circumstances should the vehicle in which the shutter is fitted be driven or be in motion at all when the shutter is in the open position.

MEASURE DOOR OPENING

A Whiting Dry Freight door can be identified as usually having a two-spring balancer, 2" diameter (nominal) rollers, and steel end hinges with removable covers.

Check sizes on delivery note with your ordering information Orders are processed using these 5 critical measurements:



Dimension X: Sill to header, vertical distance between underside of header and sill (surface on which door is resting when closed)

The shutter will accommodate some variation in height, please call if you are unsure. It is recommended that 3 measurements are taken along length *(ie at ends and in the centre)*

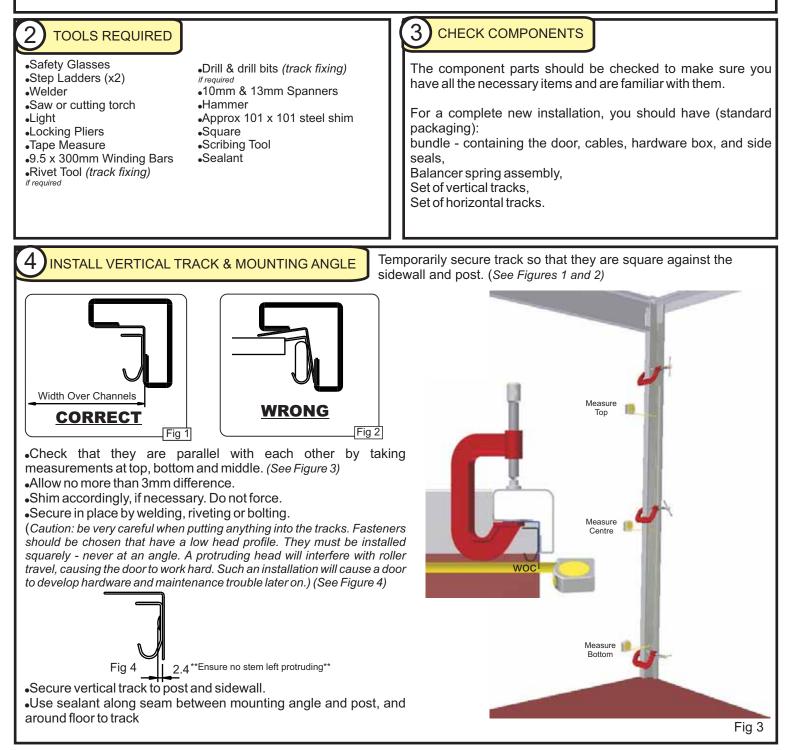
Dimension H: Header Depth, from under roof stick to underside of header.

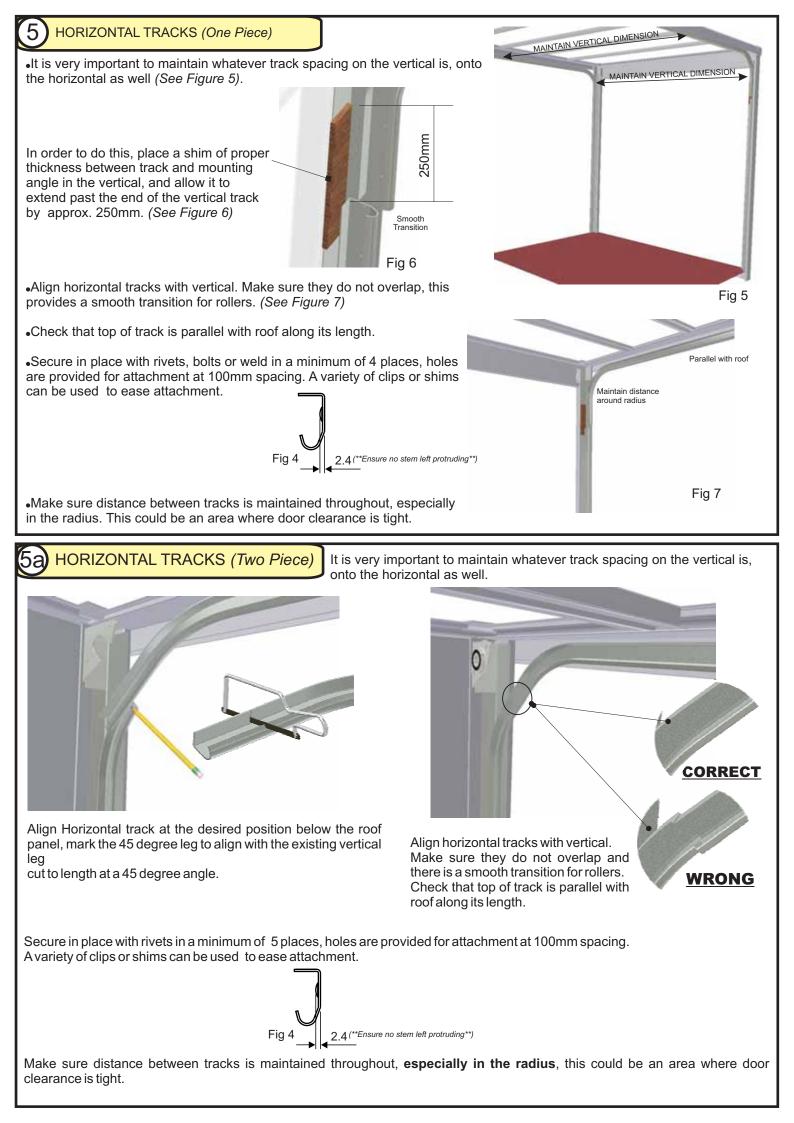
Dimension Y: Interior height, from floor to under roof stick at wall

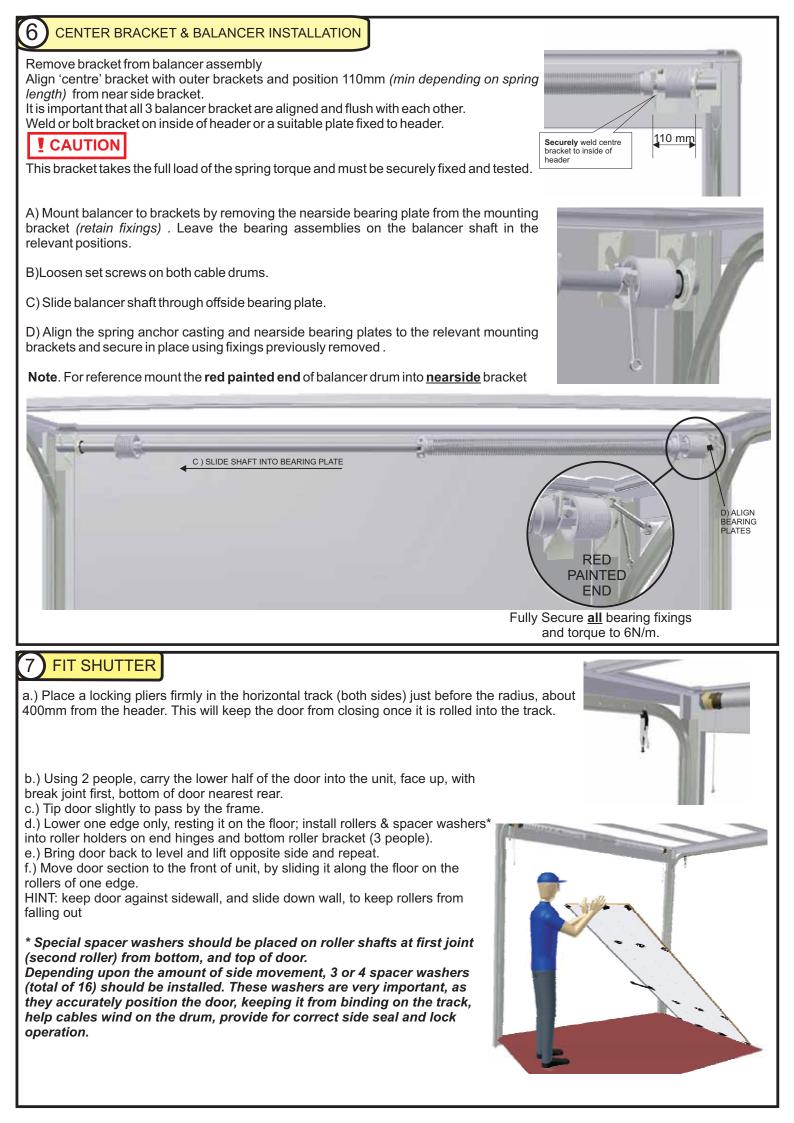
Dimension R: Aperture Width from pillar to pillar) (The shutter will accommodate a divination of ± 3 mm) It is recommended that 3 measurements are taken along length. *(ie at ends and in the centre)*

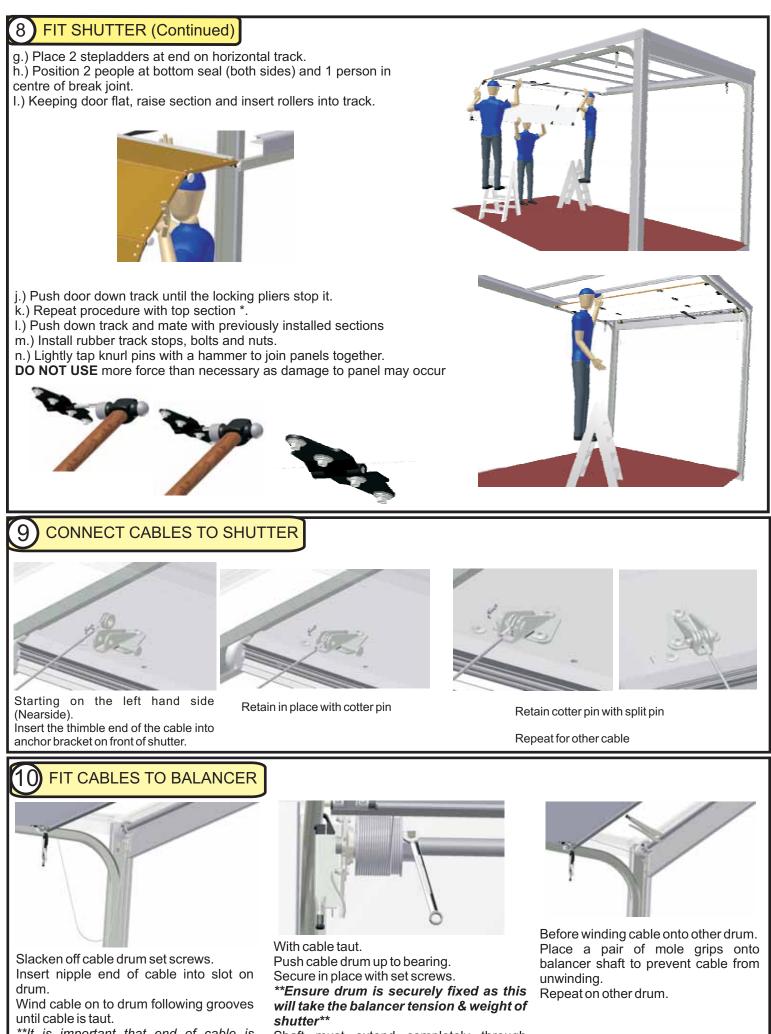
Dimension S: Width over channels, this is the finished dimension between vertical track assembly mounting surfaces Note: the standard post width is 63mm.

It is important to understand each step in the installation procedure before attempting to install the door.









It is important that end of cable is inserted fully into notch. If this is not done properly, it could interfere with drum movement. Shaft must extend completely through bearings, an equal amount on each side, the shaft ends should not be in contact with the side walls

TORQUE SETTINGS Balancer set screws 20N/m (*Mild Steel Shaft*) 27 N/m (*Stainless steel Shaft*)

11 PRE-TENSION BALANCER



Slacken the two square head

bolts in spring torque casting.



upwards direction add 3 to 4 turns.





While holding the tension with a tommy bar.

Re-tighten the two set screws in spring torque casting and remove the mole grip clamps on shaft.

Carefully remove tommy bar

Shutter is now pre-tensioned.

Remove the two clamps from the horizontal tracks to allow the shutter to enter the radius. **Be aware the shutter will rebound down to normal open position.**

Pull shutter into vertical tracks all the way down to the sill (as the shutter is pull closed tension is added to the balancer)

(to allow for spring expansion during operation)

FIT LATCH PLATE Note: Latch plate is attached to the sill, usually by welding. They vary in type, style, material size and location, depending upon the type of lock, thickness of door, and part number of side seals. If you are not using a latch plate supplied by Whiting Door Manufacturing, make sure it is of

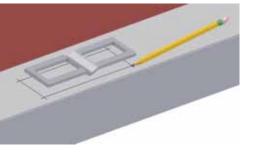
equal thickness and strength.

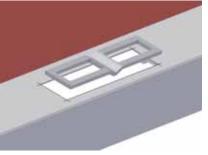
Latch plate position can be supplied prior to delivery to enable the rear frame to be prepared for fitment.

Mark sill using latch plate as template. Check location by lowering door and comparing with lock. Cut sill if necessary. Position evenly flush with top of sill **(very important).**

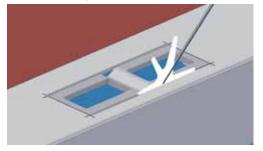
Using the holes in spring torque casting & two tommy bars in a

Now pull and stretch the spring by minimum of 101mm (4")



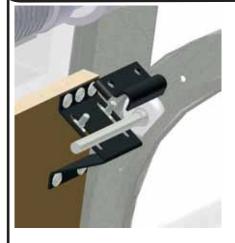


Weld in place. Allow sill to cool, close door. Check lock operation.



3 TOP PANEL ADJUSTMENT

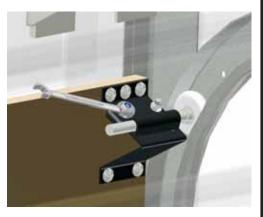
Bring a light in and close the door



Insert roller into track. Align roller holder over roller shaft & coach bolts. Secure loosely in place with M6 nuts



Adjust. (Moving bracket down will bring top seal closer to header. It will also seal against side seals better. Adjusting it down too far may also cause it to hit the balancer when door is opened).



Tighten nuts

Repeat on opposite side.

14 TOP & SIDE SEAL FITTING



Top seal, can be fitted to either the underside of header or to the top of the door.

Recommendations: HEADER < 200mm Fit to underside of header. HEADER > 200mm Fit to either.

TESTING AND FINE TUNING

Final Check List

•Lock operation

•Balancer adjustment

•Top panel adjustment •Cables move unobstructed

•Door centred in opening and there is an appropriate number of spacer washer used.

•Door operates freely and does not rub against the tracks at any point.

With the door nearly closed, release it and allow the shutter to open. A properly adjusted balancer will cause the door to slowly open, neither fly open, nor dropping shut

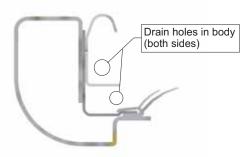
Remember, a new spring will lose a small amount of tension once it is used for a while. •Side, top and bottom seals function properly

•Cosmetics

•Check ALL fixings are secure and have the correct torque setting

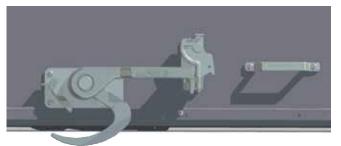
Torque Settings

M6 = 6N/m M8 = 10N/m Balancer set screws = 20N/m (*Mild Steel Shaft*) 27 N/m (*Stainless steel Shaft*)

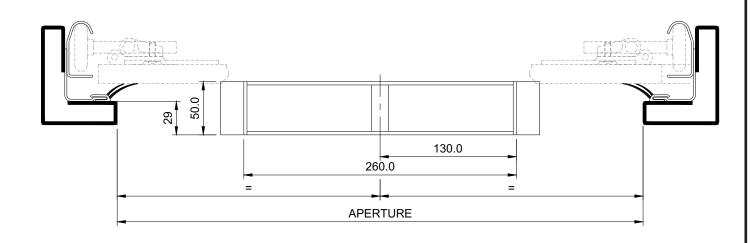


Side seals (x2) clipped full on to mounting angle joggle profile

The Finger Shield Shutter has various lock options, please find the appropriate lock for the latch plate fitting details below:

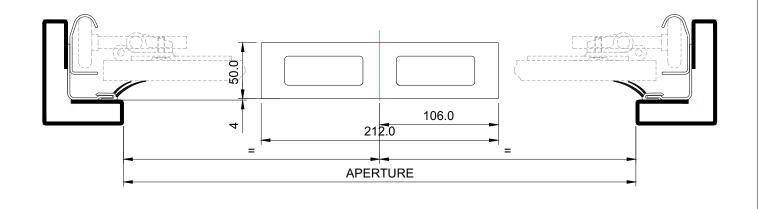


MAXI LOCK





70 TYPE LOCK





OPENING WHEN DOOR IS

MOVING

Leave the copy of maintenance/fitting instructions provided in the cab of the vehicle together with the remainder of the vehicle documentation or in the case of a semi-trailer together with any documentation relating to the trailer.



DO NOT USE PULL STRAP TO LEAVE VEHICLE

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ALWAYS CLOSE AND LOCK THE DOOR BEFORE DRIVING VEHICLE DO NOT MOVE VEHICLE WITH DOOR IN THE UNDER ROOF POSITION.

WARNING

IMPORTANT MAINTENANCE INFORMATION

The following should be read and included in the Maintenance Schedule

This door is constructed of high quality components intended to provide years of continued service. When in operation it is a large moving object, theefore, to ensure safe, reliable and continued operation, the following cautionary directions and periodic maintenance instructions must be observed.

- 1. While door is moving do not stand within opening or walk through doorway.
- 2. Operate door only when correctly adjusted and free from obstructions.
- 3. High-pressure cleaners or solvents can damage the door.
- 4. If door becomes diffi cult to operate or completely inoperative, it must be repaired immediately by an approved agent. Particular care should be given to the counter balance and cables. Repair and adjustment can be <u>hazardous</u> and should only be performed by an<u>approved agent</u>
- 5. <u>Daily: -</u> A general visual inspection of the shutter should be carried out with specific attention to the cable along the full length.
- 6. Replace any frayed or otherwise damaged cables.
- 7. Ensure regular checks and maintenance on items shown below Every 6-8 weeks)
 - All nuts, bolts, screws and rivets to checked for tightness.
 - Check all rollers operate smoothly, replace wornor damaged rollers.
 - Replace frayed or worn Pull Straps. DO NOT attach anything to the Pull Strap.
 - Where the lock mechanism is fitted or controlled by a keyed cylinder lubricate the cylinder ONLY with
 - manufacturers recommended lubricant.
 - Other parts of the lock mechanism can be lubricated with light oil.
 - Tracks must be clear of grease and dirt.
 - Check roller shutter opera tion, lubricate roller shafts, bearings, hinges, tracks and spring with light oil (not grease) the use of aerosol sprays is not recommended as this may wash away the lubricant packed in the roller bearings.
 - Check door panels (inside and out) for gougesor paint chips, and repaint as needed.
 - If you repaint, check and if necessary readjust tension on lifting mechanism to restoe ease of operation.

Use only genuine JR Mobile spare parts; the use of any other manufactured parts or not follcing the above will invalidate the warranty. In the unlikely event of an operational or warranty approximately approximat

the unlikely event of an operational or T: 029 2085 7630 Customer Services J2020 2085 7630 Mobile 07974 390511

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