

> INSTALLATION GUIDE

# COMMERCIAL DOORS

PLEASE READ THIS GUIDE ALL THE WAY THROUGH BEFORE STARTING

**This guide is broken into 3 sections - Installation, Adjustment & Tuning.**

The doors are factory set in a neutral position so adjustment and tuning will always be required.

Check the size of the opening against the Door outer frame to ensure a good fit.

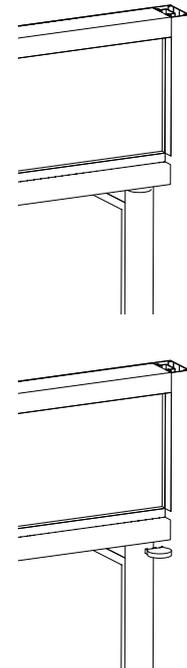
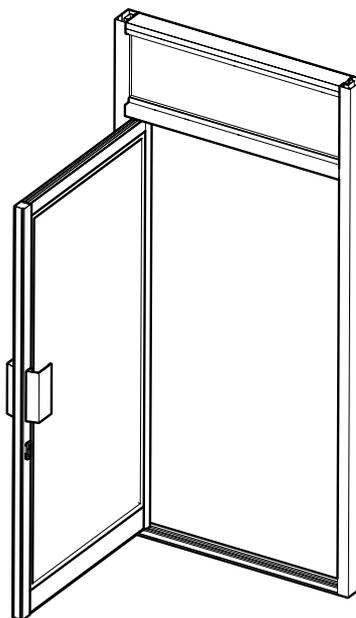
Ensure you have all components available - gaskets, packers etc and tools including a glazing wedge.

The bottom pivot carries the door weight and lateral loads so must be fully supported and fixed securely to the floor.

Ensure that the threshold will be bedded on a suitable material to support the door & that the drainage will be left clear.

1

Open the door to 90° and remove top arm end cover plate (name plate) to the top of the pivot stile by removing the 2 screws.



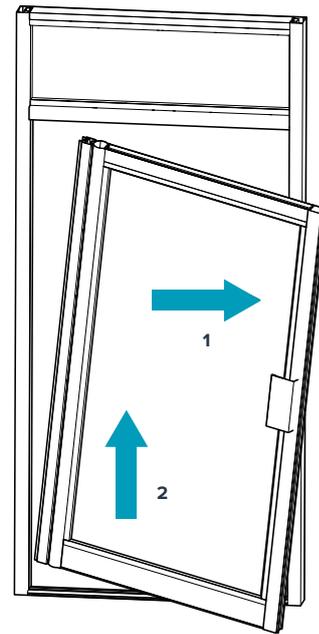
Keep the screws safe as they are small and easy to misplace.

2

Release the top arm clamping block by removing the 2 black Allen screws and crown washers

3

Pull the top of the door away from pivot shaft and, when clear of the frame, lift from the bottom pivot.



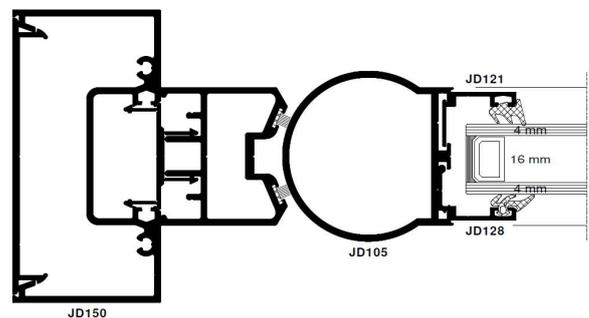
4

If the frame is to be fixed through the vertical glazing pocket on the pivot side remove the anti-finger trap adaptor using a paint scraper or other thin bladed tool.

Fix the frame into the opening ensuring it is plumb & square, check diagonal dimensions corner to corner and adjust as necessary.

Fixing should be within 150mm of each corner and at around every 600mm.

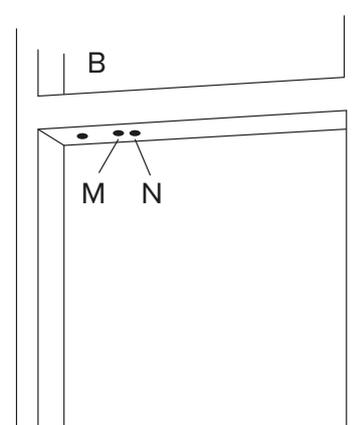
Once the frame is fitted, replace the anti-finger trap adaptor using a rubber mallet or block of wood and hammer.



5

If a 90° hold open closer is fitted set the closer to the open position using an adjustable spanner or other suitable tool on the pivot shaft. Some form of extension bar may be required to achieve this.

If a non hold open closer is fitted, once turned the closer should be held open at 90° and whilst in this position the closer speed adjustment screw tightened fully clockwise using a flat headed screw driver to lock the closer in place. (the one nearest to the pivot side of the frame Item M in illustration - also See Point 10, item No. 1)

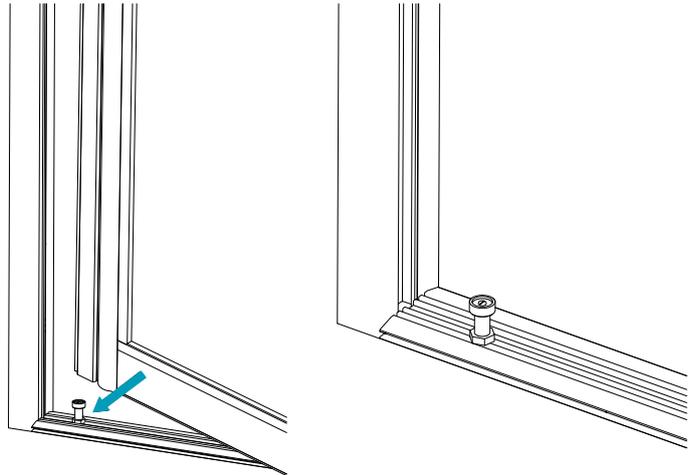


6

To replace the door hold the door leaf at 90° to the frame lift the door on to the bottom pivot ensuring that the pivot shoe on the bottom of the door sits fully on the bottom pivot.

Push the top of the door back into the frame and align the top arm with the closer shaft and push fully into position before refitting the top arm clamping block using the black Allen screws and crown washers.

If the non hold open closer is fitted, the speed adjustment screw should now be released (using a flat headed screw- driver) by turning the screw a couple of rotations anti- clockwise. The door should automatically return to the closed position.

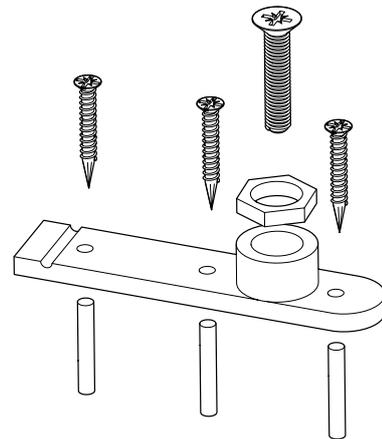


7

With the door in the closed position check the clearance at the bottom of the door between lock stile and frame (this should be approximately 3mm).

Adjust if required by again removing the door from frame and moving the bottom pivot to the required position.

To move the bottom pivot, the central fixing screw needs to be removed, the 2 adjustment screws to be loosened, to set the pivot shoe position, then retightened and a new hole drilled to fix the central screw in the final position.

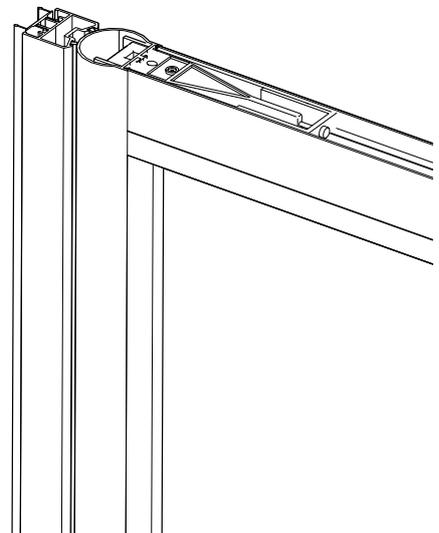


8

With the door back in the frame in the closed position, check the clearance between the lock stile and frame at the top of the door (this should be approx 3mm).

Adjust as required by opening the door to 90°, slackening the lock nut on the top arm adjustment screw and turning the adjustment screw clockwise or anti clockwise (No. 2). Using the Allen key retighten the lock nut to set the position of the top arm.

With the door in the closed position check the central alignment of the door relative to threshold. If door is not parallel with the threshold, release the locking nut, use opposing adjustment bolts on the top arm to position the door centrally (No. 1 & 3) and then retighten the locking nut.



9

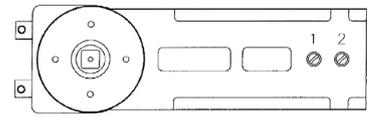
If the door is to be single action (open in or open out only) then fit the door stop block which is supplied loose to the underside of the door frame at the top of the lock stile or equally to the centre of pair of doors.

10

**Latching and Closing Speed Adjustments**

If the door closing speed for the last 15% prior to latching is unsatisfactory, turn with a screwdriver, the latching speed regulated screw (2) which is accessible through the hole in the underside of the header bar. Clockwise for slower or anticlockwise for faster.

If the door closing speed prior to the last 15% of closing is unsatisfactory, turn with a screwdriver, the closing speed regulated screw (1) accessible through the hole in the underside of the header bar. Clockwise for slower and anti-clockwise for faster.

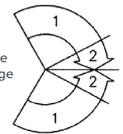


Closing Speed Adjustment



Turn Clockwise for Slower Speed  
Anti-Clockwise for Faster Speed

Door Swing



1. Closing Range  
2. Latching Range

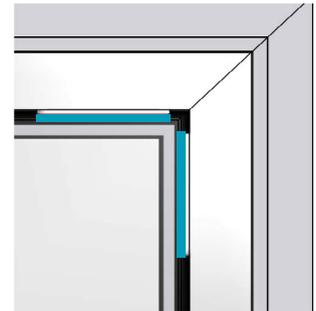
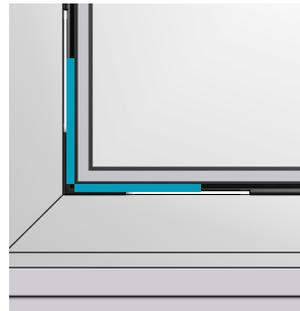
11

**It is vital that all doors are 'toe and heeled' correctly.**

Failure to toe and heel correctly will result in the doors not operating properly. Remove the internal glazing beads of the doors.

Using the glazing packers supplied, pack the bottom corner of the hinge side, top corner of the opposite/outside.

Lift the glass into place and fit extra packers where required to take up any slack. Refit the glazing beads.



# ANY QUESTIONS?

If you have any questions about this product or installation guide, please don't hesitate to get in touch with the team:

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