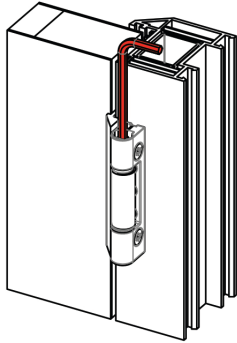


Installation Instruction for Composite Doorset

1. Before removing the existing doorset, carefully inspect your new doorset to ensure the contents are correct and for any damage and check the sizes are correct for the opening.
IMPORTANT: Claims for damage cannot be reported after the doorset has been fitted.
2. It is recommended that the door and frame are fitted as a complete unit and using two people will make for an easier installation.
3. After the old door has been removed ensure the door aperture is clean with all excess cement & silicone removed.
4. To fit the cylinder, place this into the lock aperture and fix using the long machine screw provided on the lock side of the door.
5. To fit the door handle, insert the spindle through the lock mechanism, the handle with the fixing screws should be placed on the inside of the door with the lever pushed squarely onto the spindle, repeat for the external lever. Insert the two countersunk screws into the holes on the internal handle and tighten.
6. Measure, cut and fit frame extension pieces to the door frame if required.
7. If fitting with a sill ensure it has been fixed as per manufacturers instructions and is level.
Note: sill should be on a bed of foam.
8. Offer the doorset to the opening and temporarily wedge into place, using a spirit level check the frame is plumb and square.
9. Use packers between the frame and the brickwork, close to fixing points to ensure the frame remains plumb and straight during fixing.
10. The doorset should be fixed through the frame legs (4 each side should be sufficient). No screws should be fitted through the frame head or down into the floor.
11. These fixing points are for guidelines only.
Corner fixings 150mm minimum and maximum of 250mm from external corner.
Intermediate fixings not exceeding 600mm.
12. Use the masonry fixing screws supplied, drill the frame legs with a 7mm HSS drill, with a 6mm masonry bit, drill into the substrate ensuring the hole is deep enough for the fixing. Use a Torqz T30 driver bit to fix the masonry fixing into place being careful not to bow or twist the PVCu frame (the use of installation packers behind the frame and close to the fixing points will help with this).
13. The hinges should be adjusted to ensure an even air gap between the frame and door slab, refer to page 2 for this operation.
14. Measure and fit any trims (not supplied) ensuring the area is clean and dust free to maintain a good bond, then seal around the inside of the frame.
15. Clean the door as referenced in the Care and Maintenance Guide.

Challenger 3D Butt Hinges

Adjustment Instructions



Compression Adjustment +0.5mm -0.5mm (5mm Allen key)

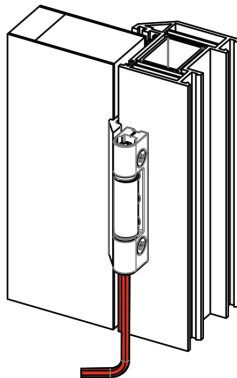
Remove the top cap.

Check pin alignment via the mark on top of the pin.

If the mark is pointing towards the door sash, the adjustment is in neutral setting.

To increase compression, turn the pin so that the alignment mark is moved towards the door frame.

To reduce compression, turn the pin so that the alignment moves away from the frame.

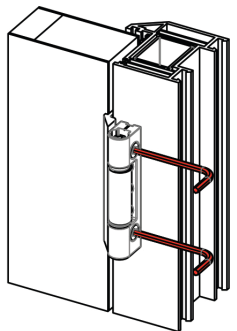


Vertical Adjustment +3.0mm -0.0mm (5mm Allen key)

Remove the bottom cap.

To raise the door sash, rotate the vertical adjustment screw clockwise. Ensure that all other hinges are adjusted equally.

To lower the door sash, rotate the vertical adjustment screw anti-clockwise. Ensure that all other hinges are adjusted equally.



Lateral Adjustment +2.0mm -2.0mm (4mm Allen key)

Remove the side cover caps.

Rotate the lateral adjustment drives in the direction required. Ensure that each pair of alignment marks are at the same point.

WARNING

It is not recommended to fully adjust either one adjuster only or one hinge only. Adjustments should be made gradually, aligning each pair of marks on each hinge until the desired adjustment is achieved.