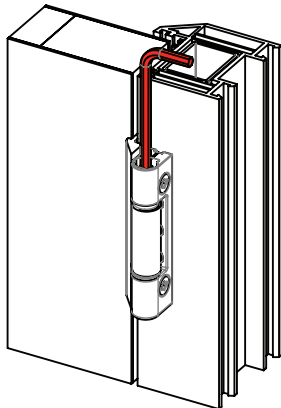




Challenger 3D Butt Hinges Adjustment Instructions



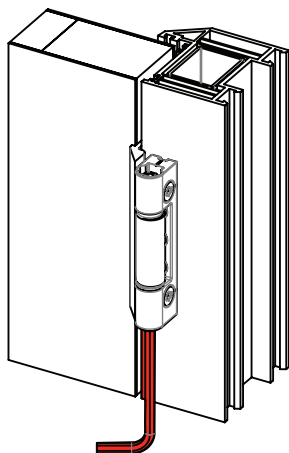
Compression adjustment +0.5mm -0.5mm (5mm Allen key)

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 mark moves away from the frame

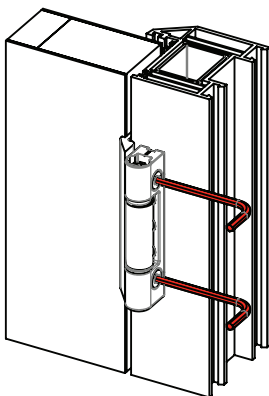


Vertical Adjustment +3.0mm -0.0mm (5mm Allen key)

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

Once adjusted, the grub screw should be tightened until it connects with the pin, then slackened off one turn. This prevents binding, but will engage with the corresponding slot, should an attempt be made to hammer out the pins during an unauthorised entry attempt on outward opening doors. **Please note the grub screw should only be tightened once all adjustments to the door are made .**

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.