

3-Dimensional Adjustment of Urban Front Hinges

The concealed hinges can be adjusted in all 3 dimensions. The adjustment is explained as follows:

1. Adjustment of the Door Element in Direction of the Lock/Hinge

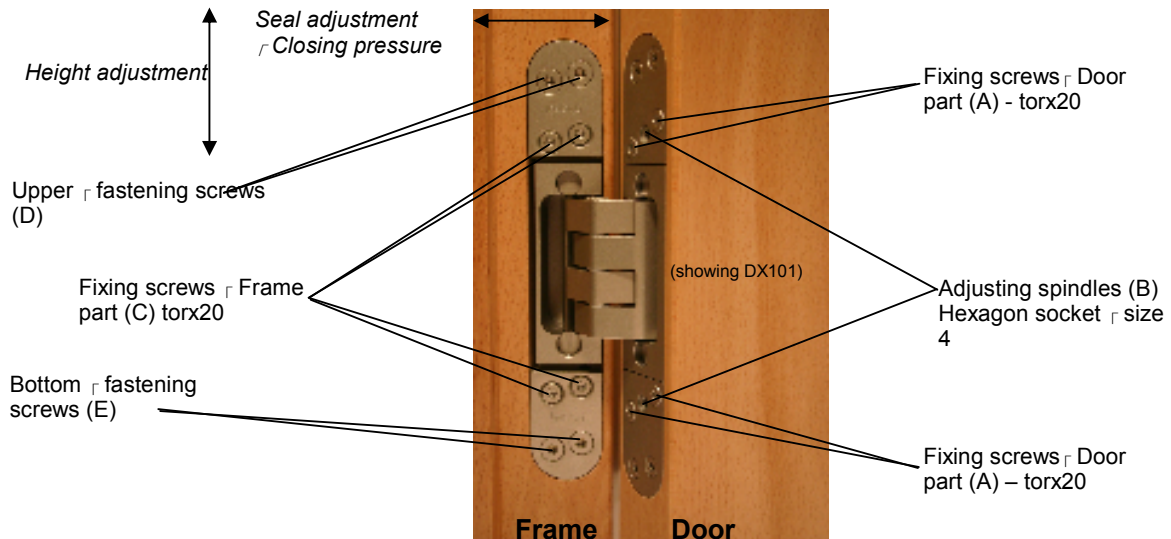
To adjust the clearance of the door element, turn the spindles (B) with a hexagon socket screwdriver size 4. Turn the spindles clockwise to move the door in direction of the lock or counterclockwise to move the door in direction of the hinge. One turn of the spindle correspond to 1 mm adjustment. Please make sure to turn the two spindles gently and evenly to avoid misalignment of the hinge. You can adjust the rabbet clearance by 3 mm in both directions. If the adjusting spindle is too tight, slightly (1 turn) loosen the fixing screws (A) and then turn the spindles. When the adjustment is finished, don't forget to retighten the fixing screws(A).

2. Height Adjustment of the Door Element

Put wedges or similar supports underneath the door to hold it in place during installation. Loosen the fixing screws of the frame part (C) by using a torx 20 screwdriver (1-2 turns) and position the door (e.g. bei means of wedges) in the right height. You can adjust the height by 3 mm in both directions. When you have found the correct height, slightly tighten the fixing screws (C) so that the clamping plates will prevent the door from changing position. Then proceed with the adjustment of the closing pressure (see 3.).

3. Adjustment of the Door Element in Direction of the Seal (Closing Pressure)

Starting from step 2, the fixing screws of the frame part (C) are still slightly loosened. Now, the door leaf can be adjusted in direction of the seal or away from it by moving the door leaf into the desired direction. Then, tighten the fixing screws (C) again. The adjustable range is 2 mm in direction of the seal and 1 mm in the opposite direction.



Important: The concealed Urban Front hinge is a 5-axis hinge with complex kinematics which essentially differs from the functional principle of conventional 1-axis hinges. If mounted properly, it holds the door wing open at 180 degrees. When mounting the door, be careful not to put unnecessary weight on the hinge, e.g. by improperly installed doorstops, inaccurately adjusted door closers pulling the door closed again too early, thereby reducing the opening degree of the door wing, etc.