

Preparation Door and Frame

Prepare a cut-out per hinge into the door and the frame. Your cut-out must according to our cut-out drawing. You can download the cut-out drawing under www.basys.biz or you can order it with a direct call in our factory under +49 - (0)5264 – 6473-0.

How to Install BaSys FX2 60 Hinges

The hinges are usually delivered separately and have to be installed together with the frame and the door.

DX hinges consist of:

- one frame part: 21 mm width (4 screw holes and logo stamp)
- one door part: 19 mm width (4 screw holes and 2 adjusting spindles)

Door and frame part are firmly connected to each other and cannot be dismantled. The hinges are applicable for right and left hand use. The installation of the hinges in door and frame is made in two steps:

1. First, insert the door part (19 mm width) into the door wing and fasten it with screws.
2. After the door part has been fixed to the door wing, proceed with the mounting of the frame part (21 mm width). According to the mounting method (block frame: Spax screws in solid wood; steel or casing frame: metric screws in a metal sheet) different types of fastening screws (D, E) have to be used! To facilitate the mounting of the hinge, it has been prefitted to be about 0.5 mm shorter than the given length of the recess. With each hinge, tighten the upper fastening screws (D) first, then slightly loosen the bottom fixing screws of the frame part (C) 1 turn to fit the hinge to the length of the recess. You can then install the bottom fastening screws (E) and tighten the fixing screws (C) again.

After door and frame have been connected by installing the hinges, the door has to be adjusted.

3-Dimensional Adjustment of BaSys FX2 60 Hinges

The concealed hinges BaSys FX2 60 for residential interior doors 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 (Rabbit Clearance)

To adjust the rabbit 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 rabbit 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.

