

Door Sub frame Installation

If the frame anchor holes have been drilled, the head sub frame must be installed with the frame anchor holes running along the attack side of the door. Jamb subframes must be installed with the frame anchor holes running along the secure side of the door.



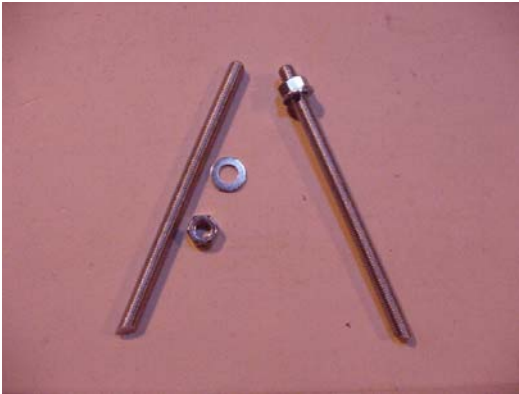
The method of anchoring the subframes depends entirely on the wall condition of the opening that the door is going to be placed in.

Wall Conditions:

- **Concrete:** Use Hilti HIT HY 150 epoxy injection adhesive and 12mm x 200mm HAS rods to secure the steel tube sub frame. Use a Hilti MD2000 Epoxy Dispenser to apply adhesive.



- **Masonry (Hollow block, hollow clay tile, or brick with holes):** Use Hilti HIT HY 20 epoxy injection adhesive, 12mm x 200mm HAS rods, and Hilti HIT-S screen tubes. Use a Hilti MD2000 Epoxy Dispenser to apply adhesive.



- **Existing steel tube:** Use a “Y” drill bit and a 12mm tap to drill and tap existing steel tube.



- **No subframe:** If no subframe is present use of an anchor such as Powers RAWL Powerbolt anchors will be used to attach the door directly to the existing wall.



- **Studded Steel Embeds:** No existing wall condition applies. Concrete is poured over studs of embed to make opening for door frame.



Install the head subframe first in the opening.

Next, set the jamb diagonally, with the bottom sub frame anchor hole set at 5", in the opening under the head subframe. Secure to the wall plumb. The jambs have vertical slotted holes so you can raise the subframe to the proper elevation to align doorframe anchor bolts. Do the same for the other jamb subframe.

(Insert picture of jamb subframe being installed at an angle into opening, a picture of tapping it into place, and a picture of someone holding a level up against it.

Refer to the drawings for a recommended tube opening.

The job will install the easiest if you install the subframe **plumb, level,** and true to **dimension.**