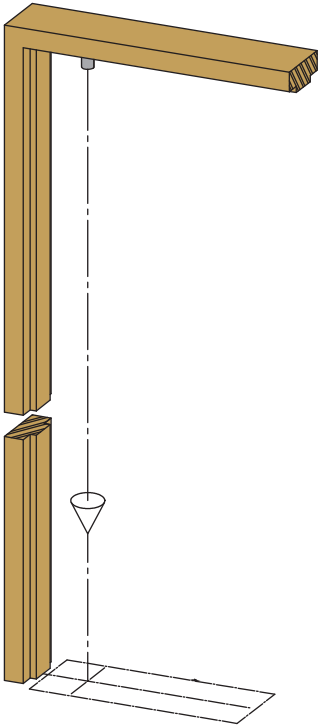
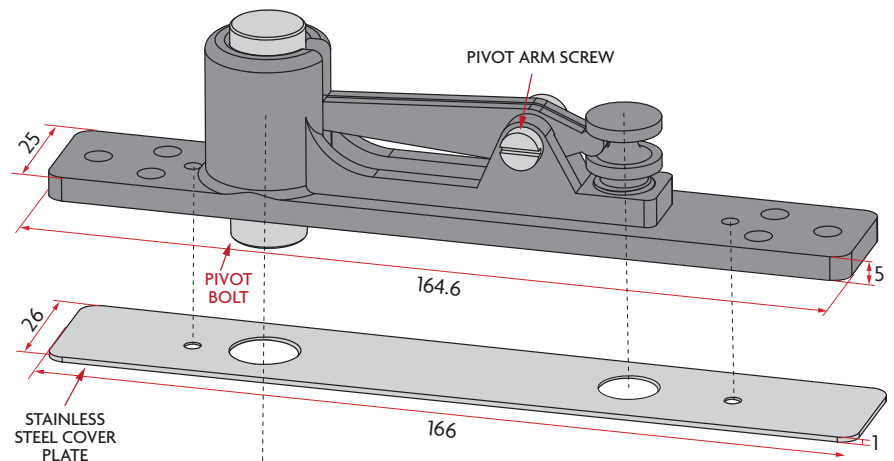


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**Note:** It is crucial to determine the correct dimensions for the bottom pivot point before installing the 866 top pivot set. Installation should allow even gaps for the top and bottom of the door so it can swing freely.



### FRAME PORTION DIAGRAM



Technical drawing of the Needle Bearing Mounting Bracket (part 1000000000). The drawing shows the bracket with its dimensions and components. The overall length is 125, and the width is 29.8. The mounting bracket is shown with an adjustment screw, needle bearing, optional secure fixing position, adjustment slide, and M5 Allen key bolt. The dimensions are: 15.7 (height of the mounting bracket), 125 (length), 29.8 (width), and 15.7 (height of the adjustment screw).

Labels and dimensions:

- ADJUSTMENT SCREW
- NEEDLE BEARING
- OPTIONAL SECURE FIXING POSITION
- ADJUSTMENT SLIDE
- M5 ALLEN KEY BOLT
- 15.7
- 125
- 29.8
- MOUNTING BRACKET

Technical drawing of a door hinge assembly, showing front and side views with dimensions.

**Front View (Left):**

- FRAME:** Dimensions 26 (width) and 16 (height).
- DOOR:** Dimensions 30 (width) and 16 (height).
- Min 40:** Dimension for the distance between the frame and door.

**Side View (Right):**

- FRAME:** Dimensions 105 (total width), 7.5 (offset), 12.5 (offset), 12.5 (offset), and 7.5 (offset).
- DOOR:** Dimensions 24, 35, and 35 (width segments).
- 35:** Dimension for the height of the hinge assembly.
- determined by bottom pivot:** Dimension for the distance from the bottom pivot to the hinge assembly.

# 866 TOP PIVOT SET (includes frame and door portion)

## Adjusting pivot bolt penetration.

(Refer to Frame Portion Adjustment Diagram )

After the door and frame have been prepared for installation, determine the amount of pivot bolt penetration that is required to be entered into the needle bearing part of the adjustable slide of the door portion. Remove the pivot arm screw on the frame portion, then screw the pivot arm adjustment screw in a counter clockwise direction so the bolt is lifted to its highest position. Next select the required hole position in the pivot bolt using the bolt throw limit guide. **Note:** This will depend on the gap between the top of the door and frame and how deep the door portion has been prepared into the top of the door. Using hole positions A, B or C will limit the depth the pivot bolt will penetrate into the needle bearing on the adjustable slide of the door portion. The depth of the needle bearing is 12mm , a minimum of 10mm penetration is required. Once achieved insert and tighten the pivot arm screw before installing the frame portion into the head of the frame.

## Installing door portion.

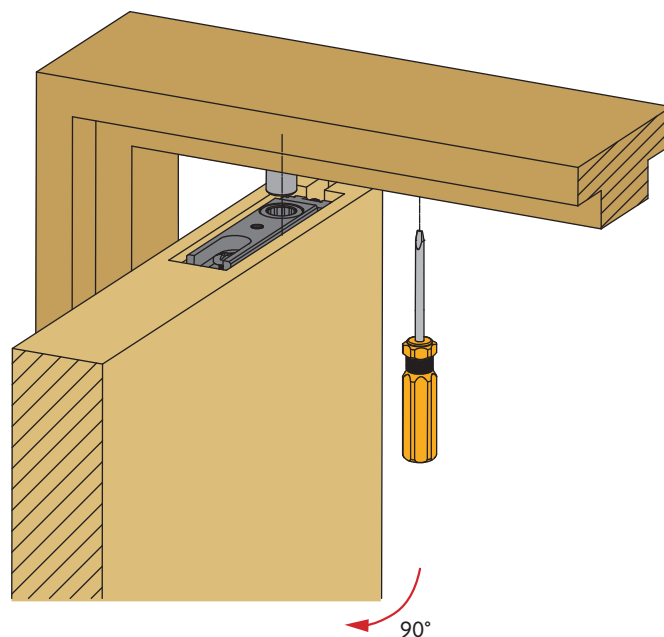
Disassemble the adjustable slide with the needle bearing, away from the mounting bracket by removing the M5 Allen key bolt. Using the fixings provided, mount the mounting bracket to the top of the door. Reinsert the adjustable slide to the mounting bracket making sure the rear adjustment tip aligns with the hole in the adjustable slide. Using the rear adjustment screw position the needle bearing to take the pivot bolt. Lock into position with the M5 Allen key bolt, ensuring it is tightened firmly.

## Installing the door into position.

At this stage the door is now ready to be installed into position. Position the door onto the bottom pivot and rotate the door to a 90 degree opening position. Slowly tilt the door so the pivot bolt and the needle bearing can be aligned with each other. By slowly adjusting the pivot arm adjustment screw in the frame portion the pivot bolt will slowly draw closer to the bearing, thus holding the door in position. Test the door for operation and make any slight adjustments as required by using the adjustment screw on the door portion. When content with the installation and operation of the door use the optional secure fixing position to lock the adjustable bolt into position so no further adjustments can made.

(Refer to Door Portion Diagram –Page 1)

## INSTALLING THE DOOR



## FRAME PORTION ADJUSTMENT DIAGRAM

