INSTRUCTION MANUAL

for Installing

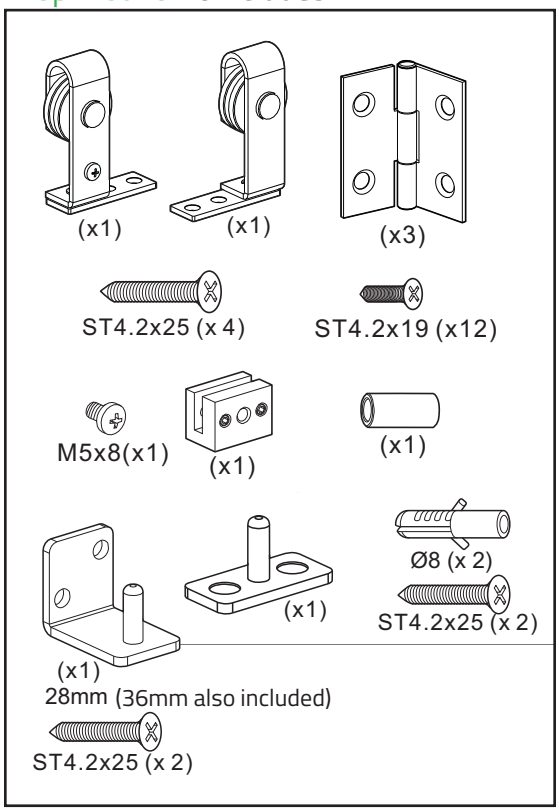
BIFOLD FURNITURE

BARN DOOR HARDWARE

NT.BFM1310 Series
Top Mount and Front Mount

Instruction Manual for Installing Front Mount and Top Mount BiFold Furniture Barn Door Hardware

Top Mount Kit Includes:



Front Mount Kit Includes:

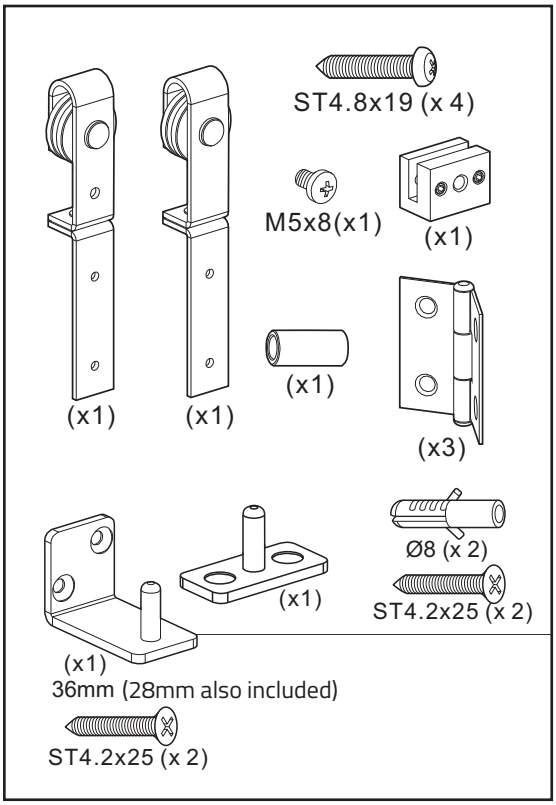
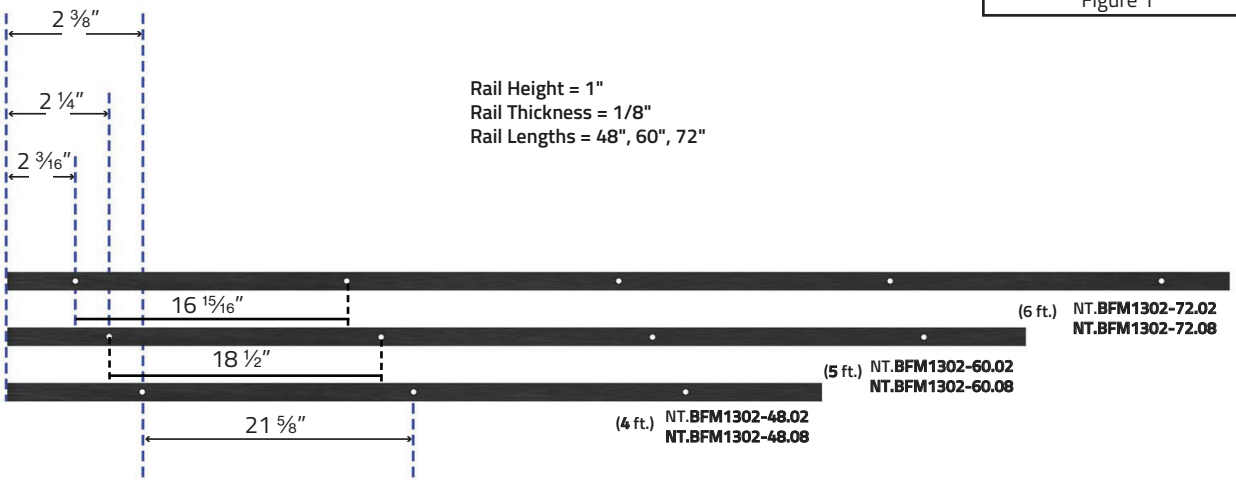
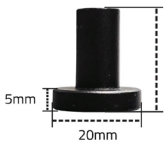


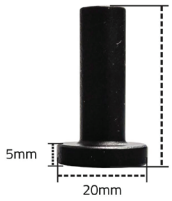
Figure 1



Short Rail Spacer

NT.BFM1303-28.02
NT.BFM1303-28.08
For doors ¾" thick





Long Rail Spacer

NT.BFM1303-36.02
NT.BFM1303-36.08
For doors 1 ¼" thick

Special Installation notes:
Maximum door thickness= ***1 ¼****"*
Maximum BiFold door weight= ***88 lbs****. (BiFold door consists of smaller doors hinged together with one pair of pivot straps)*

In applications where the rail will be installed beneath an overhanging tabletop/countertop, allow a minimum of ***2 ½****" clearance from center of the rail to the overhang (figure 2).*

To determine the height of the door and rail location:
Height of the door+ 1 ½" = center of rail install distance (this will give about a 5⁄16"- 3⁄8" gap which is required for clearance of the bottom pivot plate) see figure 2.

The short rail spacers (28 mm or 1 3⁄32") combined with the shorter Face Frame mounted Bottom Pivot Plate are designed for a ¾" thick door.

The long rail spacers (36 mm or 1 13⁄32") combined with the longer Face Frame mounted Bottom Pivot Plate are designed for a 1 ¼" thick door.

There will be a minimum clearance of 5⁄32" (4mm) between the back edge of the door and the face frame as the door pivots.

Step 1: Rail Installation (figures 1, 2, 3 and 4)

1. After determining the rail height location (figure 2), place the rail on the cabinet face in the desired side-to-side location and mark where the rail spacers will be located *(figure 3)* (note: When determining the location of the rail, keep in mind that the Stationary Pivot Strap cannot be located directly over the rail spacer).
2. Pre-drill the holes for the rail spacer fasteners using a 5⁄32" drill bit *(figure 4)*, There are three rail spacers for the 4' rail, 4 for the 5' rail and 5 for the 6' rail *(see figure 1)*.

Figure 2

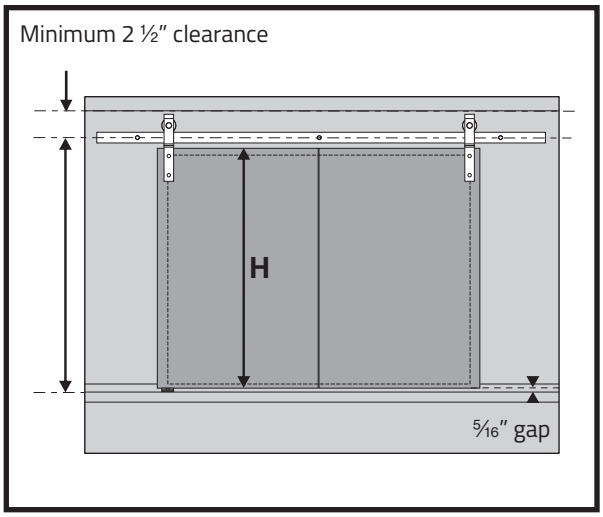


Figure 3

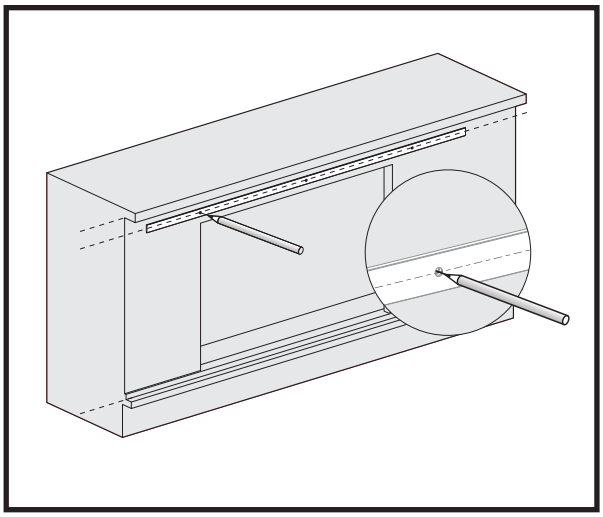
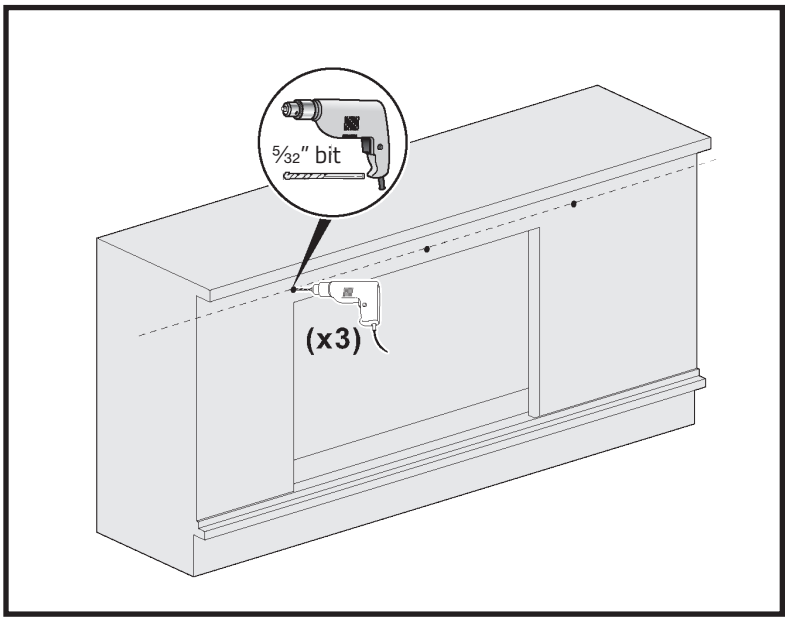


Figure 4

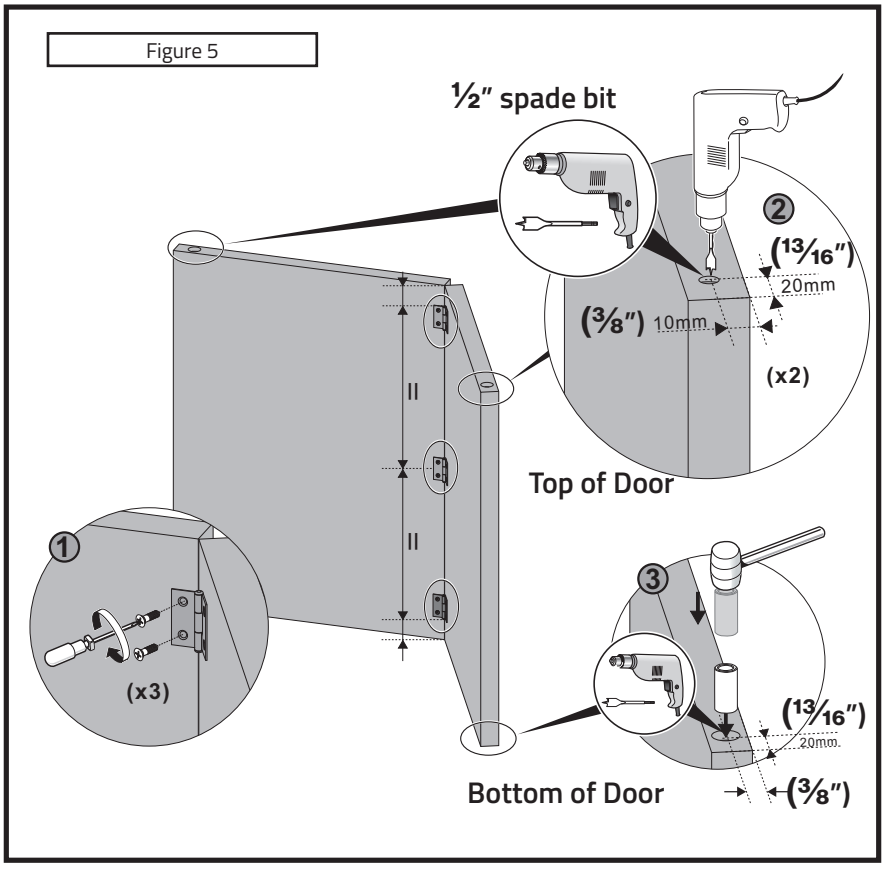


3. Install the rail using the supplied fasteners. Verify that the rail is level and parallel to the cabinet ledge surface where the Bottom Pivot Plate will be installed, use a good quality level to perform this step.

Step 2: Installing Hardware on the doors

1. Installing the butt hinges on the back of the doors *(figure 5)*
   a. Lay the doors face down on a flat surface and space the doors approximately 1⁄64″ apart (about the thickness of 2-3 business cards). This spacing allows the doors to close tightly together when viewed from the front.
   b. Place the hinges 2″ down from the top, 2″ up from the bottom and center the third hinge in the middle of the doors. Align the hinge knuckle parallel and directly over the joint between the two doors.
   c. Using a #5 Vix bit or a 5⁄64″ drill bit, pre-drill the fastener holes and secure the hinges to the door with the supplied ½″ long flat-head screws.

Figure 5



2. Installing the Pivot Straps on the door *(figure 6a & 6b)*, Front Mount and Top Mount

Special Installation note:

- *There are 2 different types of straps, one that swivels but is stationary (Stationary Pivot Strap) and one that swivels and rolls (Rolling Pivot Strap)*
- *The proper location of the Stationary Pivot Strap and the Bottom Pivot Sleeve on the door is critical for the clearance of the door with the cabinet face while pivoting, and also for the smooth functionality of the doors when sliding side to side.*
- *The location of the Stationary Pivot Strap that is installed on the door cannot line up directly over the hex head of the lag screw used for installing the rail.*

a. On the top outside edge of each door of the bifold, a clearance hole needs to be drilled to accommodate the head of the bolt that connects the 2 pieces of the Pivot Straps.

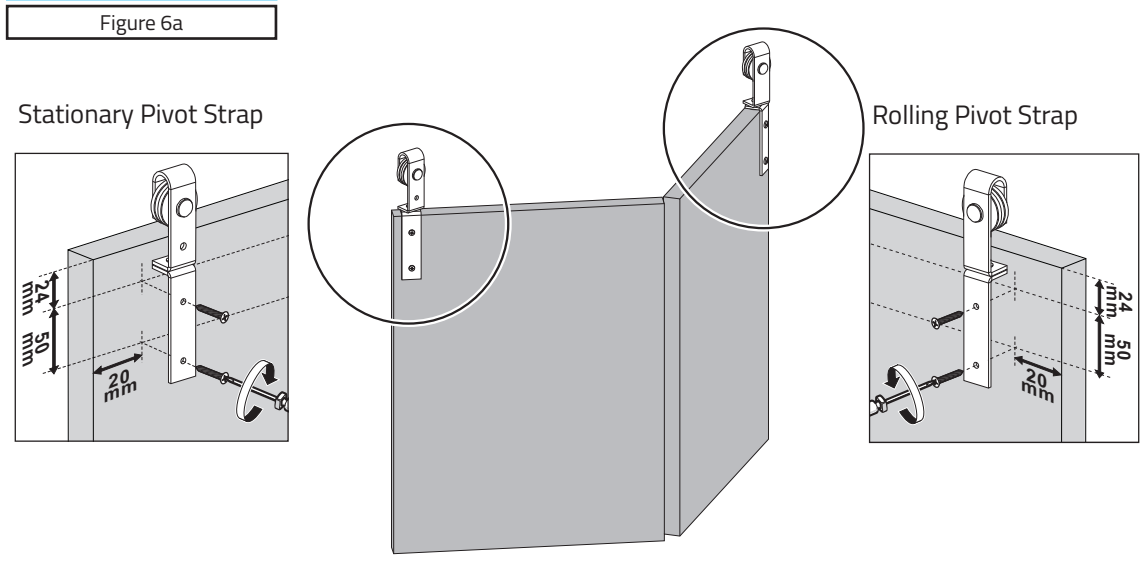
b. Using a ½" spade bit drill, make a 3⁄16" deep hole on top of each door *(see figure 5)*. The center of the hole needs to be 13⁄16" (20mm) in from the side edge of the door and 3⁄8" (10mm) in from the front of the door *(accuracy is critical)*.

c1. Front Mount (figure 6a)

- *Scribe a line on the front of the door, 13⁄16" (20mm) in from the edge and 3 1⁄4" down from the top of the door. This line will act as a centerline guide for the strap fastener placement.*
- *Place the Front Mount Pivot Straps on the doors, aligning the head of the pivoting bolt into the drilled hole.*
- *Make sure the top of the strap is flush with the top of the door and the correct strap is on correct door for your application.*
- *Use the supplied Phillips-head screws to secure the Front Mount Pivot Straps to the front of the door.*

Front Mount

Figure 6a

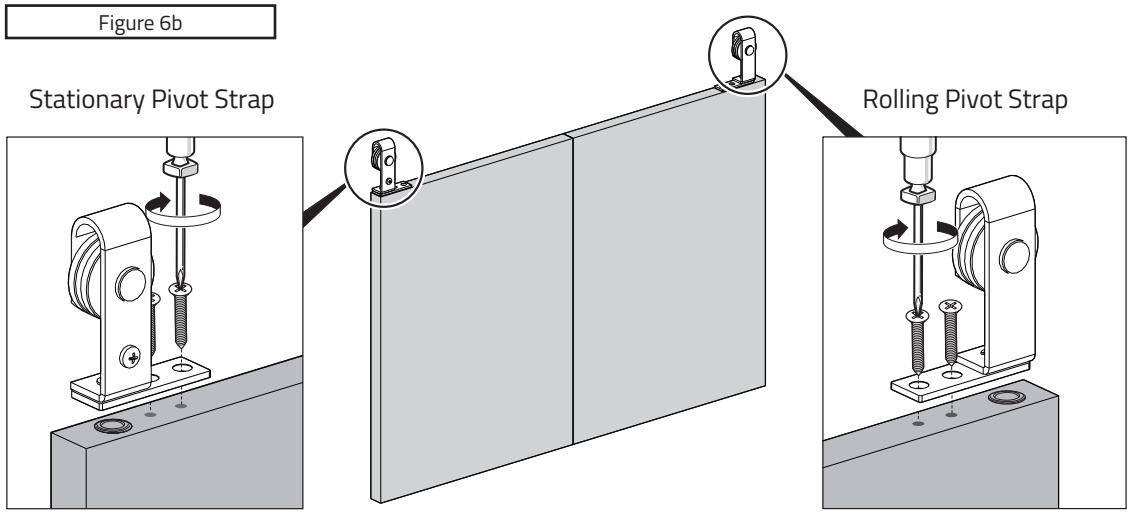


c2. Top Mount (figure 6b)

- *Place the Top Mount Pivot Straps on the doors, aligning the head of the pivoting bolt into the drilled hole.*
- *Make sure the top of the strap is flush with the top of the door and the correct strap is on correct door for your application.*
- *Use the supplied Phillips-head screws to secure the Top Mount Pivot Straps to the top of the door.*

Top Mount

Figure 6b



3. Installing the Bottom Pivot Sleeve on the door *(figure 5)*
   a. The location of this Bottom Pivot Sleeve must correspond to the same location as the top Stationary Pivot Strap.
   b. Using a ⅜" spade bit drill, make a 13⁄16" deep hole on the bottom of the door right below the Stationary Pivot Strap *(see figure 5)*. The center of the hole needs to be 13⁄16" (20mm) in from the side edge of the door and ⅜" (10mm) in from the front of the door (accuracy is critical). The hole needs to be straight so that the brass sleeve and the pin on the Bottom Pivot Plate operate smoothly.
   c. Insert the brass Bottom Pivot Sleeve into the hole, flush with the bottom of the door.

Step 3: Installing the Fixed Roller Lock Bracket

1. Place the doors on the rails in their intended position.
2. Slide the Fixed Roller Lock Bracket behind the Stationary Pivot Strap and tighten the Phillips drive set screw to secure the strap to the bracket *(figure 7a, 7b)*.


Figure 7a


Figure 7b

3. Mark the location of the Fixed Roller Lock Bracket on the rail *(figure 7c, 7d)*.
4. Remove the set screw and slide the doors out of the way.


Figure 7c

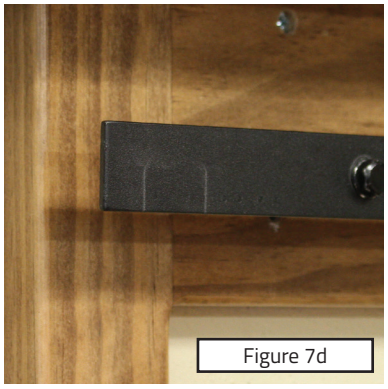


Figure 7d

5. Tighten down the 2 set screws to secure the Fixed Lock Bracket onto the rail *(figure 7e)*.
6. Slide the door back into position and tighten down the set screw on the front of the strap to secure the Stationary Pivot Strap to the rail *(figure 7f, 7g)*.

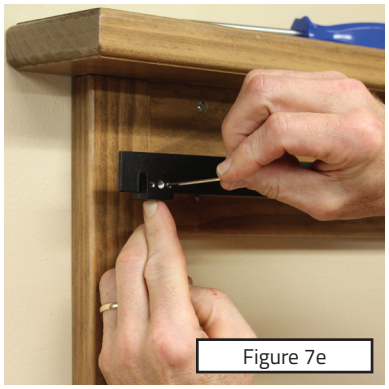


Figure 7e


Figure 7f

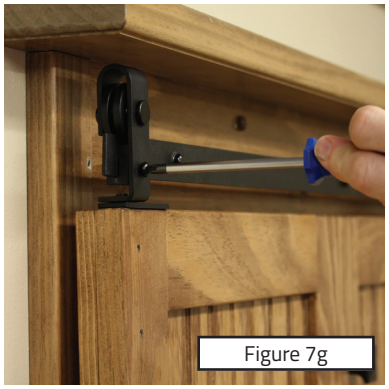


Figure 7g

Step 4: Installing the Bottom Pivot Plate and complete the Bi-Fold Door installation

1. Face Frame mounted Bottom Pivot Plate *(figure 8)*
    a. With the doors mounted on the rail in the desired position, pull the bottom of the Stationary Pivot Door out enough to slide the pivot plate into the Bottom Pivot Sleeve which is installed in the bottom of the door *(figure 8a, 8b)*.

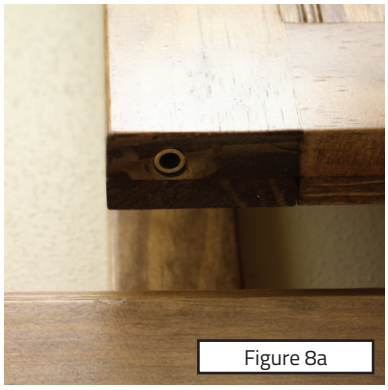


Figure 8a

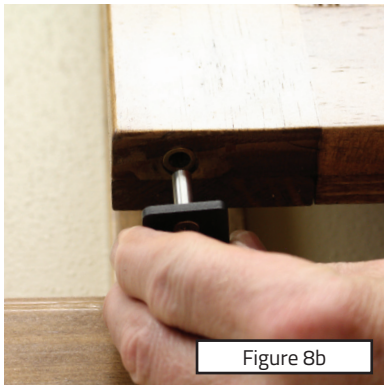


Figure 8b

    b. Return the door to the desired finish position and mark on the face frame the position of the Bottom Pivot Plate *(figure 8c)*.


Figure 8c

    c. Remove the set screw on the Stationary Pivot Strap and slide the door out of way and secure the wall mounted Bottom Pivot Plate onto the face frame *(figure 8d)*.
    d. Lift the door, set it on the Bottom Pivot Plate *(figure 8e)*, return the door to the rail and re-secure the Stationary Pivot Strap to the rail with the set screw.

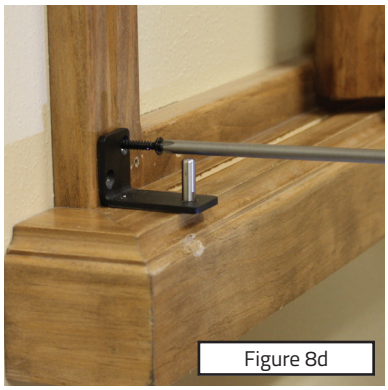


Figure 8d

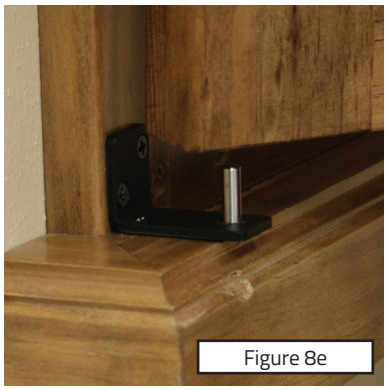
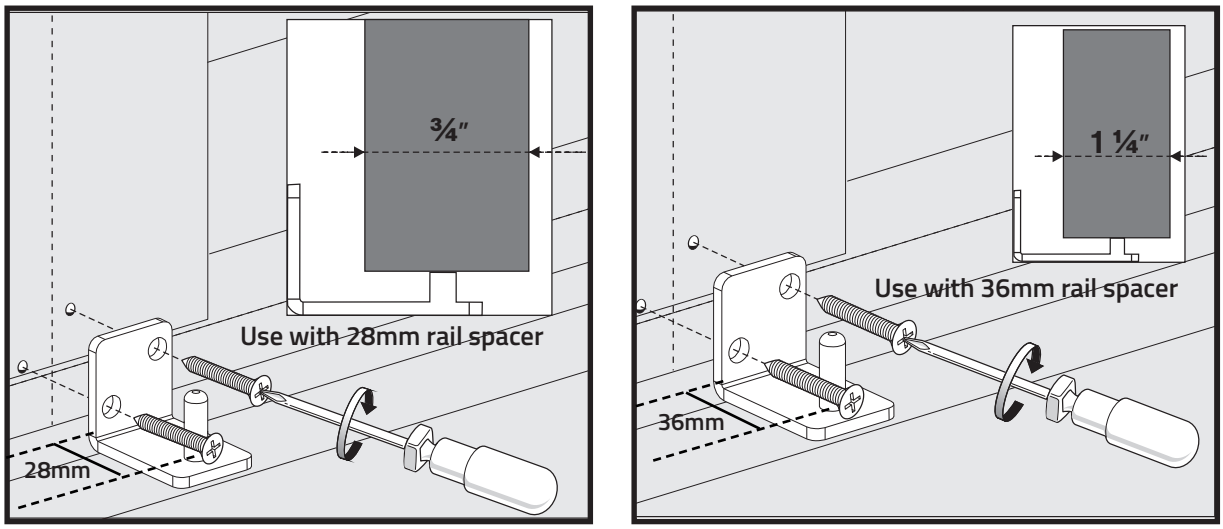


Figure 8e

Face Frame Mounted Bottom Pivot Plates (figure 8)

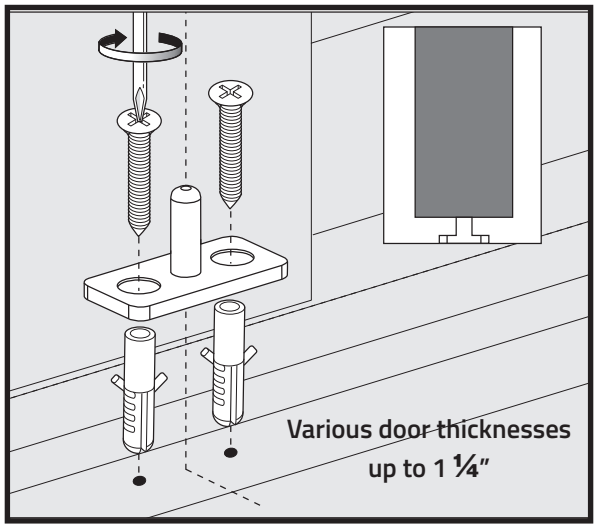


2. Adjustable Bottom Pivot Plate *(figure 9)*

Follow the above procedure for installing this Bottom Pivot Plate, except:

- *Use a quality level to plumb the door (the distance between the back of the door and the face frame should be consistent along the height of the door).*
- *Mark the location of this plate on the ledge/floor instead of the face frame.*

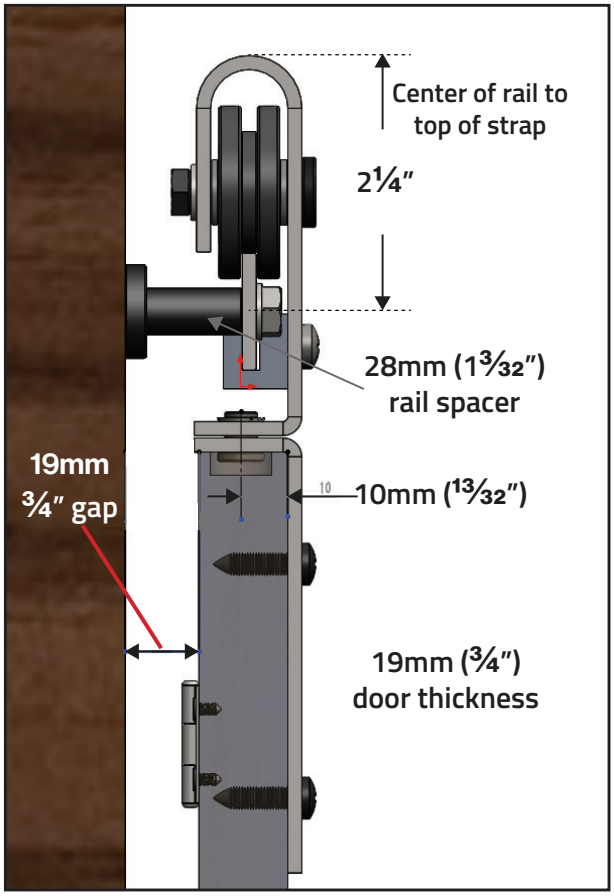
Adjustable Bottom Pivot Plate (figure 9)

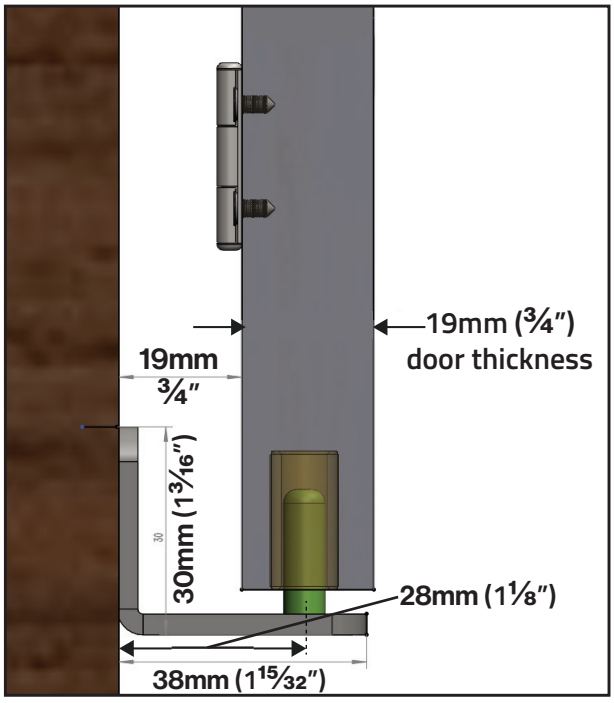


Barn Door Hardware Measurements

For ¾" thick door

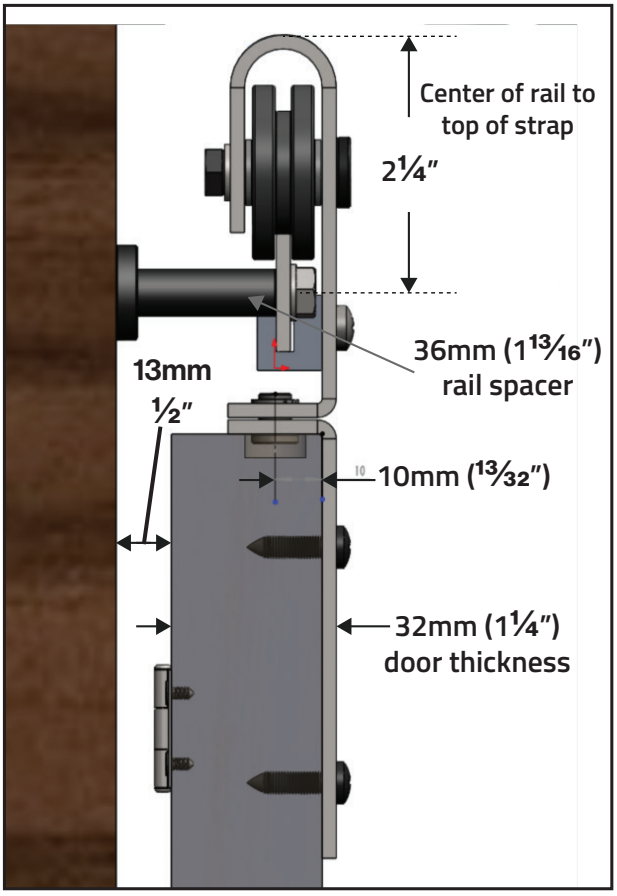
- 28mm rail spacer
- 28mm Face mounted bottom pivot plate

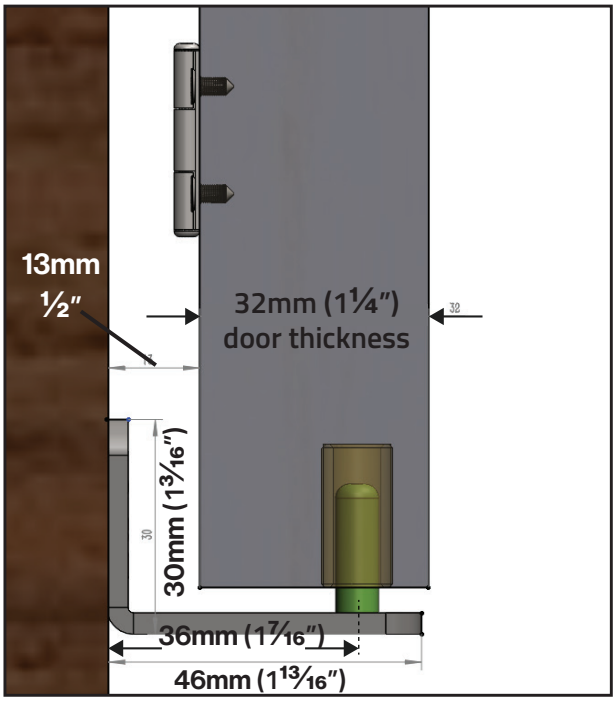




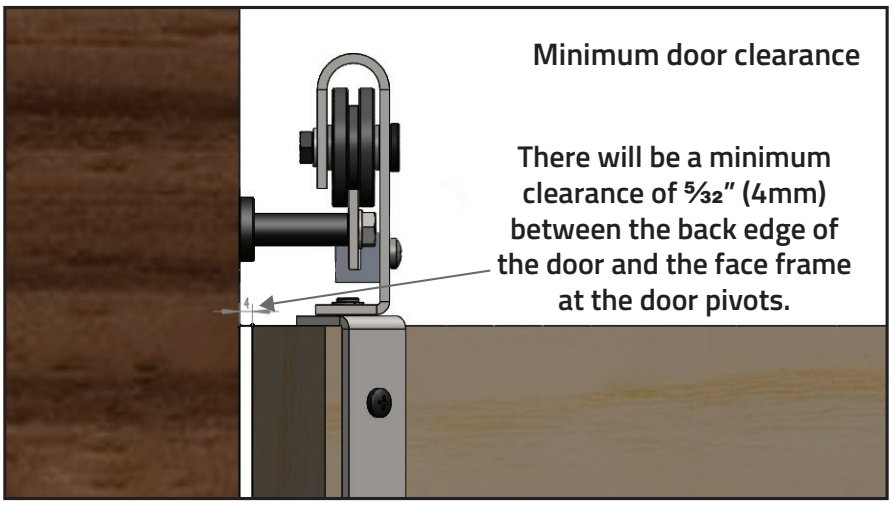
For 1¼" thick door

- 36mm rail spacer
- 36mm Face mounted bottom pivot plate





Barn Door Hardware Measurements



Front Mount

Top Mount

Front Mount

Top Mount

Satin Nickel Hardware

SKU	Description
NT.1310.FM.02	Front Mount Kit, satin nickel finish
NT.1310.TM.02	Top Mount Kit, satin nickel finish

SKU	Description
NT.BFM1302-48.02	4' rail and mounting hardware, satin nickel finish
NT.BFM1302-60.02	5' rail and mounting hardware, satin nickel finish
NT.BFM1302-72.02	6' rail and mounting hardware, satin nickel finish

Black Hardware

SKU	Description
NT.1310.FM.08	Front Mount Kit, black finish
NT.1310.TM.08	Top Mount Kit, black finish

SKU	Description
NT.BFM1302-48.08	4' rail and mounting hardware, black finish
NT.BFM1302-60.08	5' rail and mounting hardware, black finish
NT.BFM1302-72.08	6' rail and mounting hardware, black finish

Each Rail Kit comes with:

- Powder coated predrilled rail
- 28mm (1-3/32") spacers with 60mm (2-1/4" lag bolts), washers (for 3/4" thick door)
- 36mm (1-3/16") spacers with 70mm (2-3/4" lag bolts), washers (for 1-1/4" thick door)

Figure 1
Double BiFold Furniture Barn Door
This unit features (2) Hardware Kits and (1) 72" rail Kit.

Figure 2
BiFold action of the hardware.
In this picture the outside straps are Stationary Pivot style and the inside straps are Rolling Pivot style.

Figure 3
Fully opened position, Stationary Pivot and Rolling Pivot straps attached to the rail.

Figure 4
To open the doors to have full access to the furniture opening, simply lift the rolling door up, removing the Rolling Pivot strap from the rail. Then swing both doors out of the opening of the furniture to fully access the inside of the cabinet.