

the
barn door
HARDWARE STORE

THEBARNDOORHARDWARESTORE.COM



Slanted Single Door Barn Door Kit Manual

SAFETY PRECAUTIONS

WARNING!

- Power tools can cause serious damage if not professionally used. Safety gear must be worn before installation to prevent unexpected injuries.
- Pick an area free of hazardous condition before you start on the project. Please use tools and power tools responsibly any loss of control and accident deaths may occur due to abuse of tools.
- Please make sure all hardware is secured on to the door is sufficiently tight.
- All hardware provided is for safety reasons. Anti-Jump systems are to prevent doors from falling off the track while in use. Please follow each instruction carefully. Track must be installed on studs in order to keep the track and doors secure from serious problems. All safety hardware and instructions included in this project must be used and followed specifically to prevent any unforeseen serious problems.

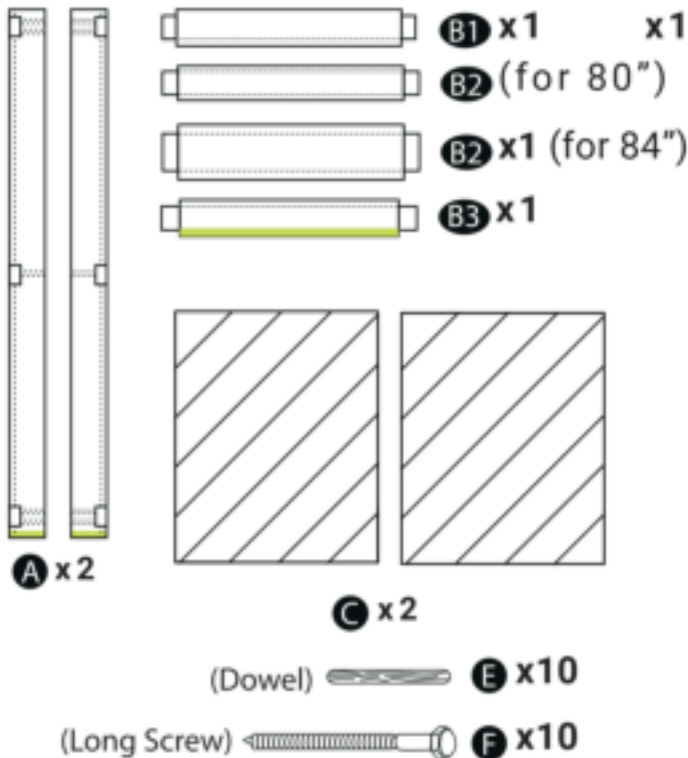
CAUTION!

- Big objects required in this project are needed to be carefully and responsibly moved. Be sure to wear safety gloves and shoes to prevent any serious injury.
- Be extremely careful to not put any parts of your body against a moving part of the hardware. This may cause bruising, punctures, and other results of injuries when for example when fingers are caught in the closing area of the doors.
- Precautions should be taken when opening or closing the doors). Handles should be used when attempting to slide the doors). Always keep you and children aware and safe from any unexpected situations.
- Any extreme uncontrolled pressure opening or closing the doors) can damage the hardware gradually. Use handle(s) to open and close the doors) with care at all times.

HARDWARE INCLUDED

Please check that you have the correct quantity of door panels and hardware before installation.

MAIN COMPONENTS



TOOLS NEEDED



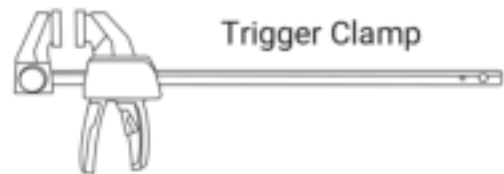
Drill or Phillip
Screw Driver



Rubber Mallet

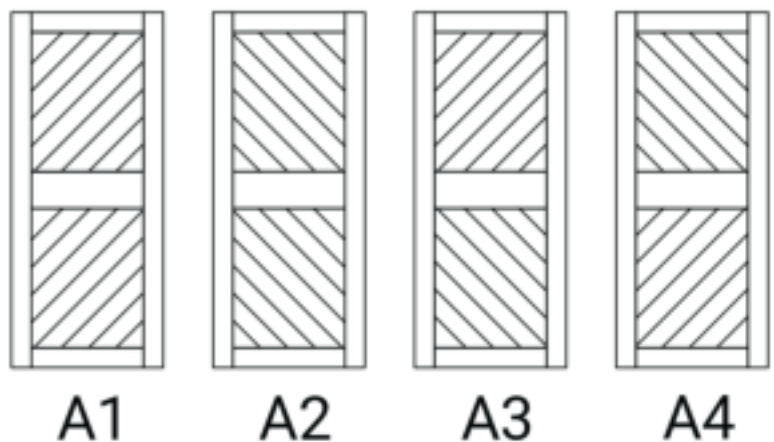


OPTIONAL



Trigger Clamp

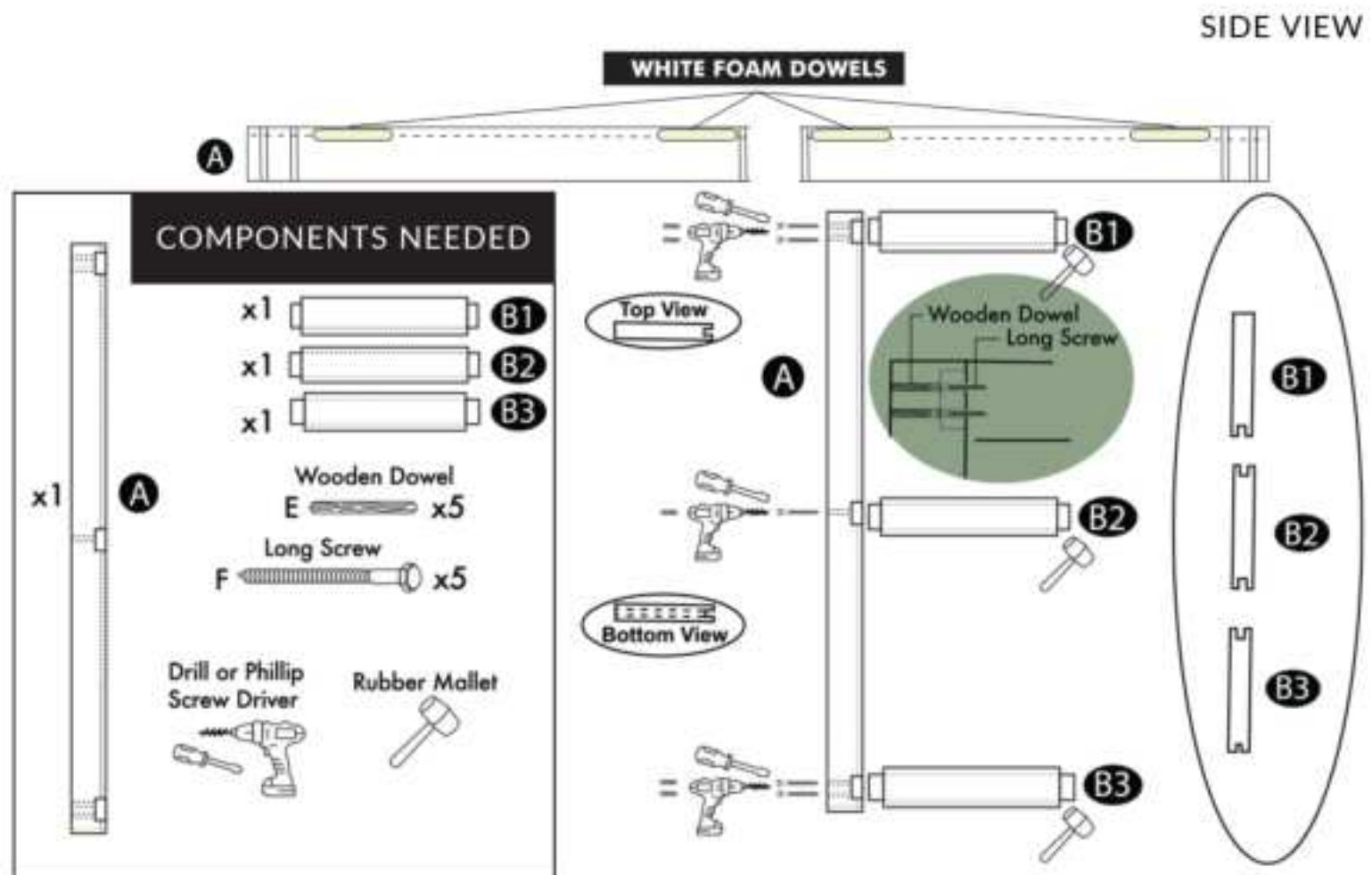
Possible designs that could be achieved with the C panels that you purchased: You can flip the panels and build a door to your liking! Please choose your design first before assembling your door to make sure you will end up with the one you like!



INSTRUCTIONS

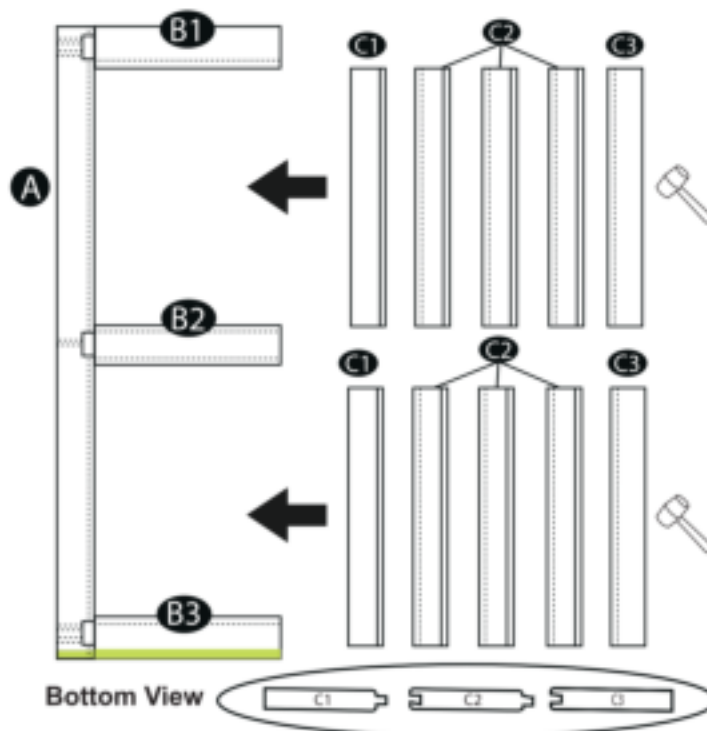
STEP 1

Before assembly, please confirm two of your A panels have white foam dowels installed in the grooves like the image below. There should be 4 foam dowels in each panel. If you are missing any, please contact us. These are important to the assembly to help minimize the appearance of gaps.



INSTRUCTIONS

STEP 2



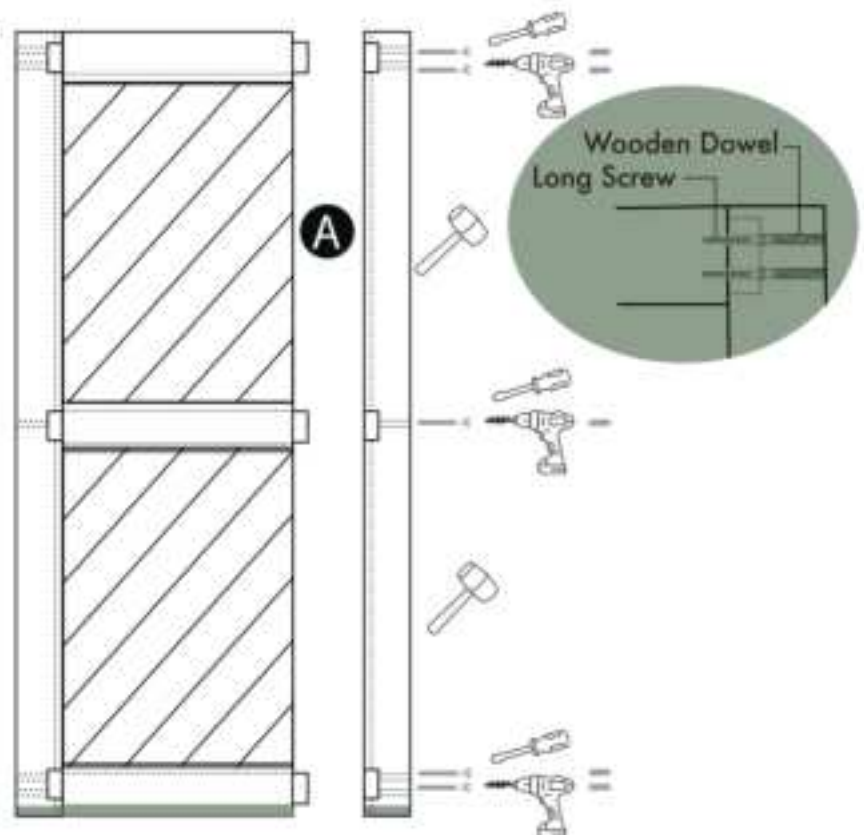
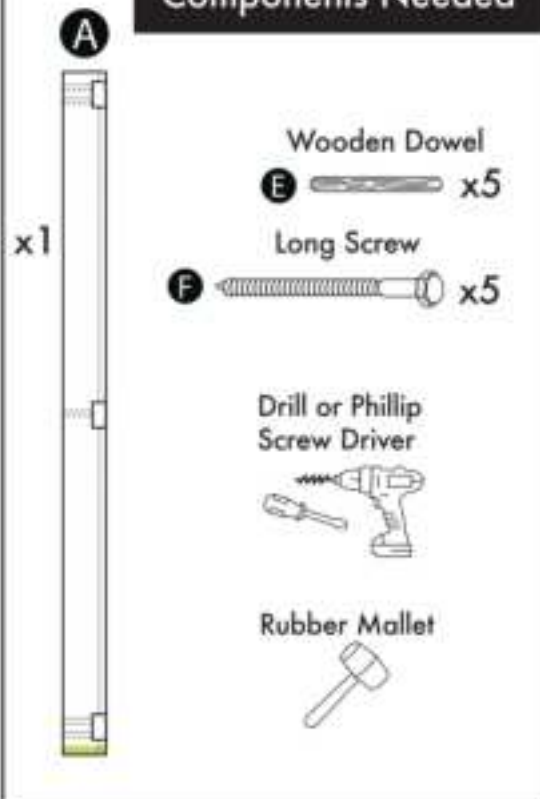
Carefully slide your 2 x C panels into the already-built structure .

INSTRUCTIONS

STEP 3

If the gap between the A and B panels occurs, remove the foam dowels from one of the A panels as the expanding foam prevents a tight closure.

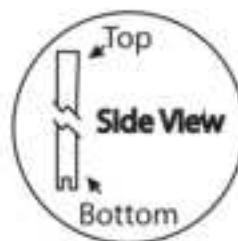
Components Needed



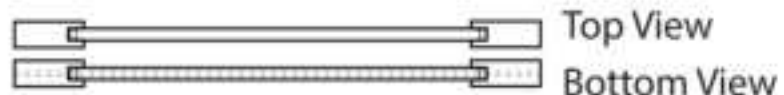
OPTIONAL



You can also use a trigger clamp to clamp your doors together before drilling in your final A panel. You might need this if you do not have a second person assisting you with holding the door together.



Determining the top and bottom side of your A panel: There is a pre-routed groove at the bottom side of your A panel, please assemble the A panel accordingly (as shown in the picture)



Cut down the dowels that are sticking out of the door after installing. Then sand off to smooth the sides and the whole door to prepare for the finishes needed for your door.

PRE-INSTALL NOTICE

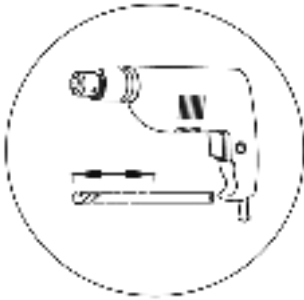
DOOR THICKNESS

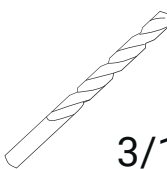
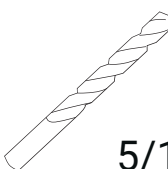
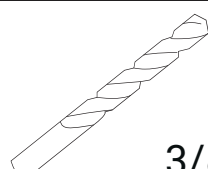
Make sure the door you use is within the thickness of 1-3/8" ~ 1-3/4". If your door is thicker than this range you will have to add a header board according to how much thicker it is to 1-3/4". Let's say your door is 2" then that is 1/4" more than 1-3/4". Then header board thickness should be 1/4" or more. The thicker you go the more gap you create between the inner door to the wall. The maximum thickness this hardware kit can accommodate is 2-1/2". We suggest 2" to be in a safe range. You may also consider getting different size hex bolts for the straight design rollers since the ones provided in the box may only fit the range above. You can search "hex bolt" on our website and select the size and color according to the size chart in the description of the hex bolt.

HEADER BOARD

A header is suggested when the studs do not line up with the track. It is also suggested if you have door trim and if the door thickness and the door trim add up to more than 1-3/4".

DRILL BIT SIZES



Lag Bolt Drill Bit	T-shape Anchor Drill Bit	Hex Bolt Drill Bit
 3/16"	 5/16"	 3/8"

DOOR WEIGHT

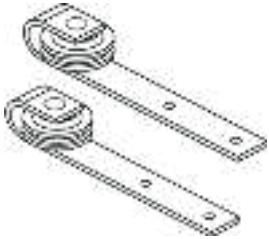
This hardware total weight capacity is 220lbs. If all the studs are attached to the track and installed properly the weight capacity may go up to 300lbs maximum in total for all doors combined.

HARDWARE INCLUDED

Different track length comes with different hardware quantity. Please be sure to check the hardware you should have before installation.

HANGER / ROLLER SET

Hanger/Roller (2)

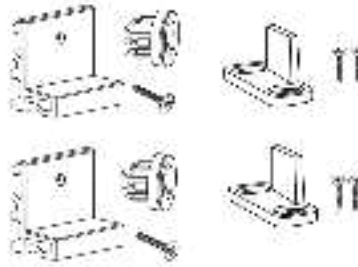


Hex Bolt Set (4)



(2") (2.5")

Anti-Jump System (2),
Floor Guide (2)



Door Stopper (2), Hex
Wrench (1)



Rubber Hole Cover (4)
(for end of track)



JUNCTION PLATE



Please check the
Hardware Checklist
below, as you may not
need this part.

SPACER SET



Spacer (1)



Lag Bolt (1)



Washer (1)

FLAT TRACK



HARDWARE CHECKLIST

Track Measurement	Hanger/Roller Set for Single Door Kit		Hanger/Roller Set for Double Door Kit		Flat Track	Spacer Set	Junction Plate
4FT	1	or	2		1	3	0
4.5FT	1	or	2		1	3	0
5FT	1	or	2		1	4	0
5.5FT	1	or	2		1	4	0
6FT	1	or	2		1	5	0
6.5FT	1	or	2		1	5	0
7FT	1	or	2		1	5	0
7.5FT	1	or	2		2	6	0
8FT	1	or	2		2	6	0
9FT	1	or	2		2	6	1
10FT	1	or	2		2	8	1
11FT	1	or	2		2	8	1
12FT	1	or	2		2	10	1
13FT	1	or	2		2	10	1
14FT	1	or	2		2	10	1
15FT	1	or	2		3	12	1
16FT	1	or	2		2	12	1
18FT	1	or	2		3	15	2
20FT	1	or	2		3	15	2

TYPES OF HANGERS

Please follow the measurement stated below, measuring from the top of the door to the center of the first hole.



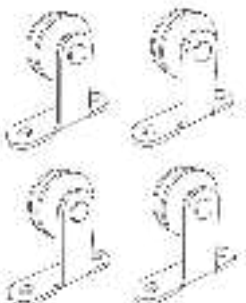
If you purchased the T-shape roller design, please refer to the checklist below to cross check all the hardware in your roller set box.



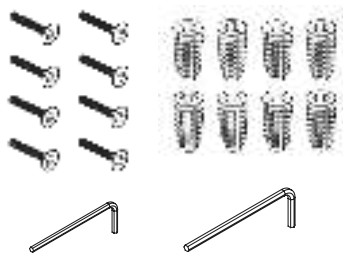
Follow step 1 to step 3 for installing the track; then jump to page 12 for mounting the T-shape roller; follow the rest of the manual to finish the installation.

T-Shape Hanger/Roller Set

Steel Hanger/Roller (4)



Screw (8), Anchor (8), Hex Wrench (2)



Anti-Jump Pad (4), Floor Guide (2)



Door Stopper (4), Hex Wrench (2)



Rubber Hole Cover (4)
(for end of track)

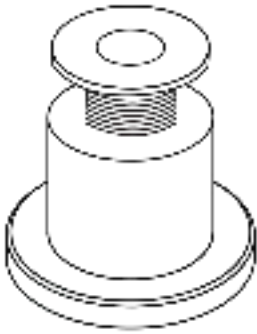


ADJUSTABLE SPACER SET

Different track length comes with different hardware quantity. Please be sure to check the hardware you should have before installation.

Adjustable Spacer Set

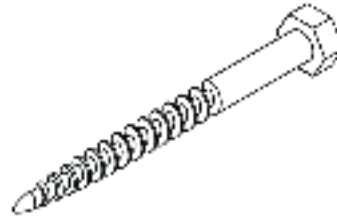
Each adjustable spacer set comes with one of each below. Quantity below depends on how many sets you have ordered.



Adjustable Spacer (1)







Extension Cap (1)



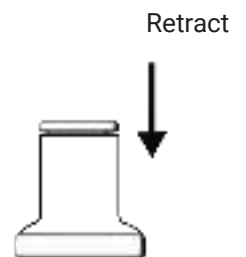
Lag Bolt (1)

Washer (1)

Types of Door Thickness Chart

Ways Adjustable Spacer are assembled	Retract	Retract	Extend	Extend
				
Height of Spacer	1in	1-3/8in	1-13/16in	1-1/2in
Max Door Thickness	$\leq 1-5/8$ in	≤ 2 in	$\leq 2-7/16$ in	$\leq 2-1/8$ in

If you have a door trim, please add the trim's thickness into your door thickness according to the below formula:
 For example: your door is 1-3/8in and your trim is 1/2in, then you should add them together and use the sum as the "door thickness" that we refer in the below pictures!
 E.g: For Door Thickness 1-1/8in + trim thickness 1/2in = 1-5/8in, this is $\leq 1-5/8$ in, so you should adjust the spacer set like this according to our previous chart!

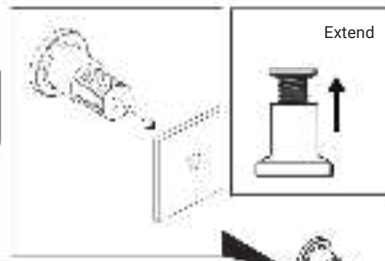


ADJUSTABLE SPACER SET

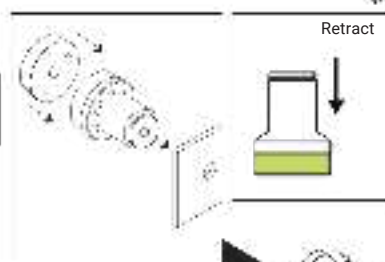
**For Door
Thickness**
1-1/8in ~ 2-7/16in



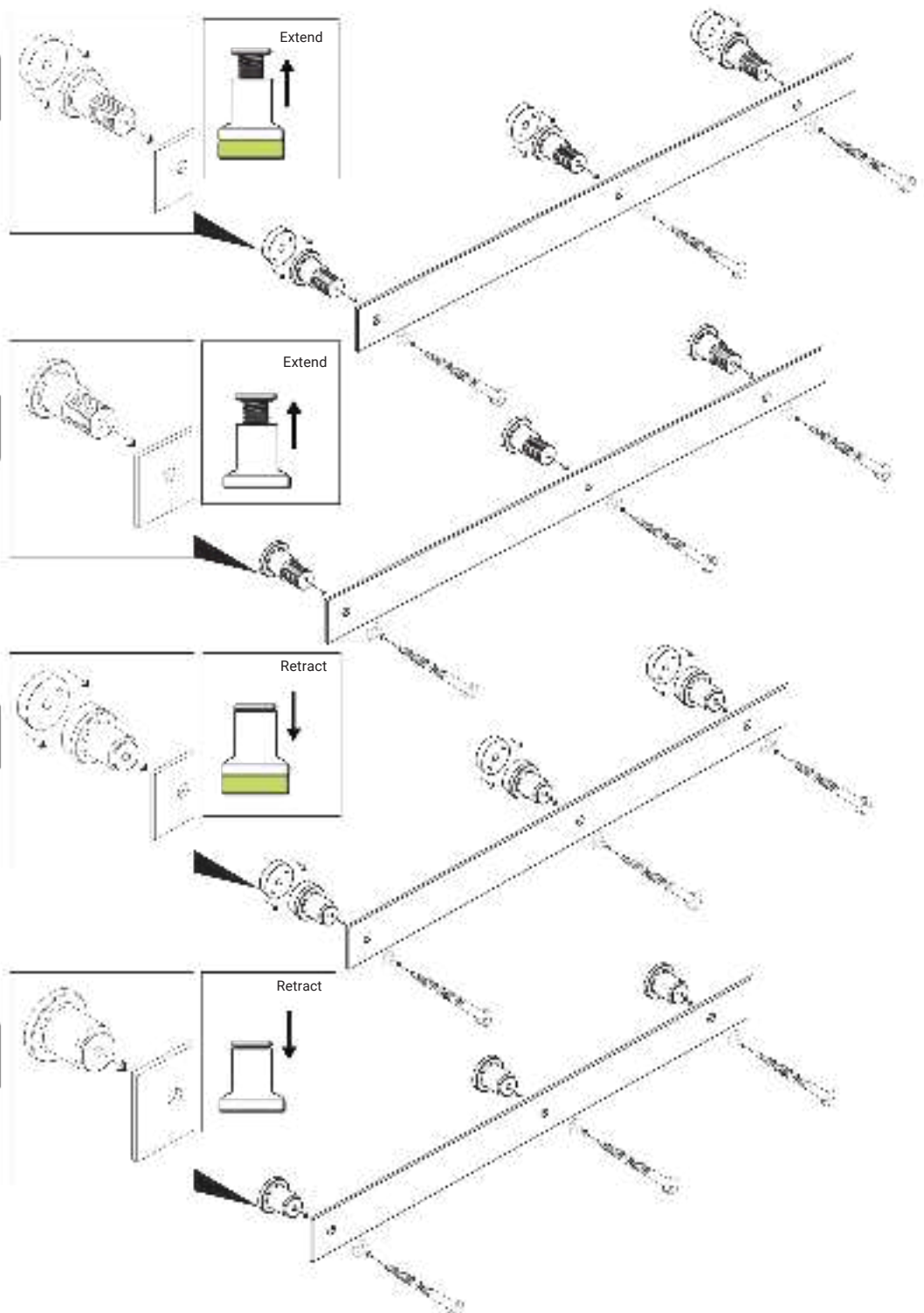
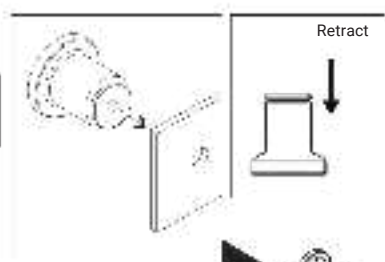
**For Door
Thickness**
1-1/8in ~ 2-1/8in



**For Door
Thickness**
1-1/8in ~ 2in



**For Door
Thickness**
1-1/8in ~ 1-5/8in



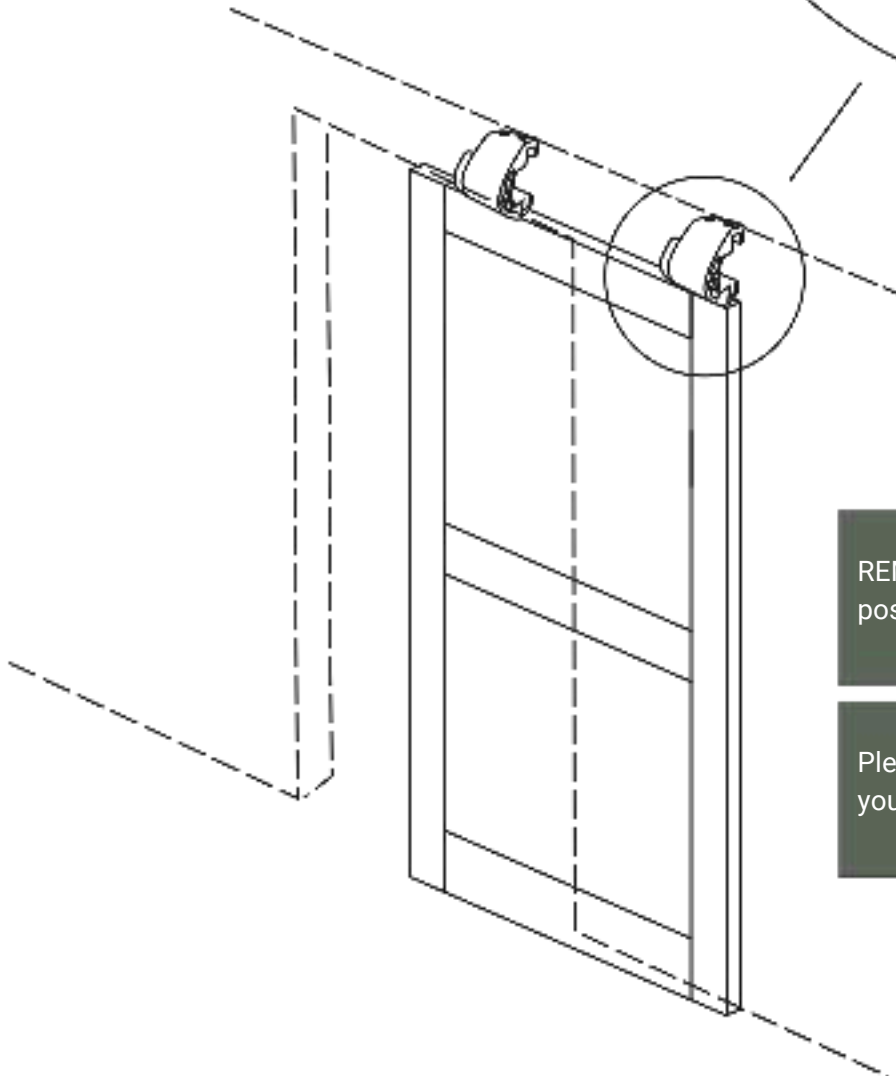
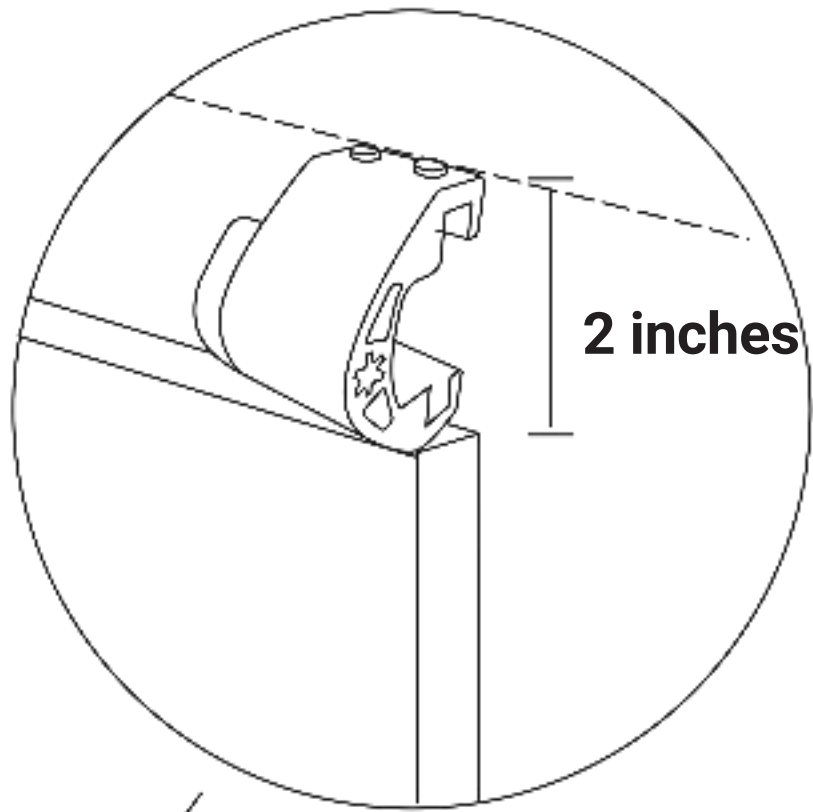
INSTRUCTIONS

STEP 1

Drawing the horizontal reference line:

Place your door in your open space. Position the C-shape door stopper on top of the door (like shown), then draw a horizontal line on top of the stopper. This line will be the center line for your track's mounting holes.

REMINDER: Please check the formula on the previous page if you have a door that is thicker. Please adjust the adjustable spacer sets accordingly to accommodate your space.

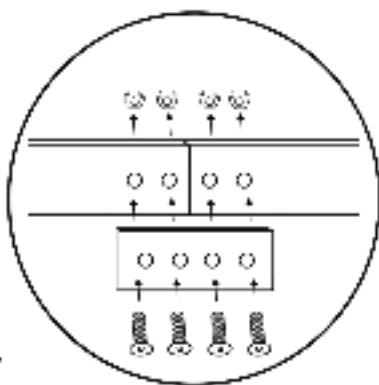


REMINDER: Please make sure your door is positioned at a 90-degree angle to the floor.

Please be careful at all times while moving your door to avoid any possible injuries.

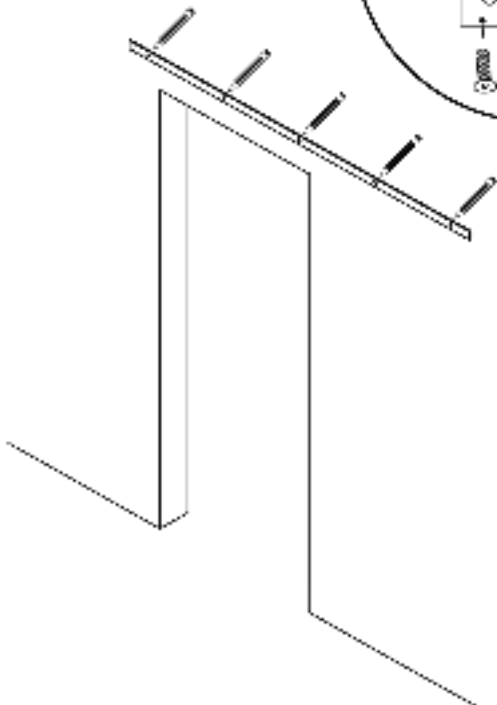
INSTRUCTIONS

STEP 2



If your track comes in 2 pieces or more, install the junction plate between each track (like the diagram shown here).

Find all the studs, lay the track on the wall, align the center line of your track horizontally with the previously drawn line, ensure each hole is on a stud, and mark the hole positions.



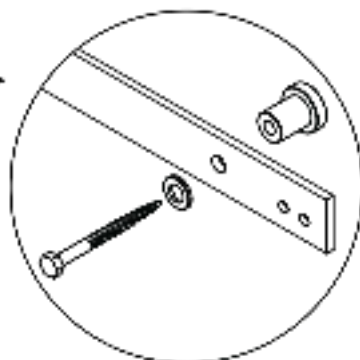
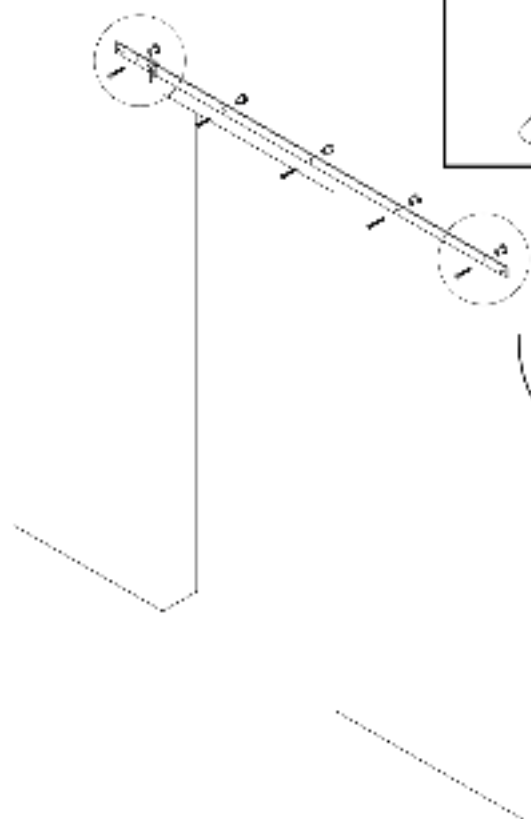
STEP 3

Lag Bolt Drill Bit

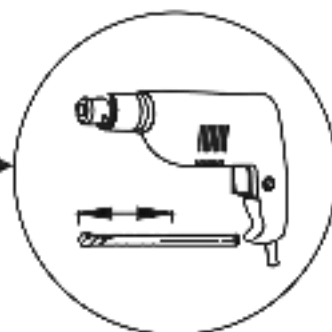


Drill the previously marked holes and install the lag bolt and spacer onto the first hole and the last hole first as show in the picture. Repeat the same process for the remaining holes.

CAUTION: Do not over tighten when installing the track on any drywall surfaces or you may be at risk of damaging your drywall.

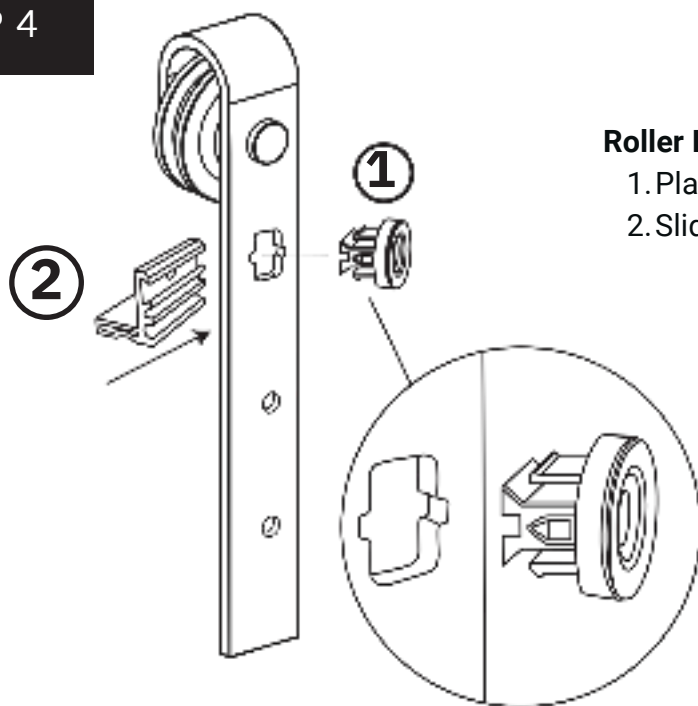


Wooden Wall/Drywall



INSTRUCTIONS

STEP 4

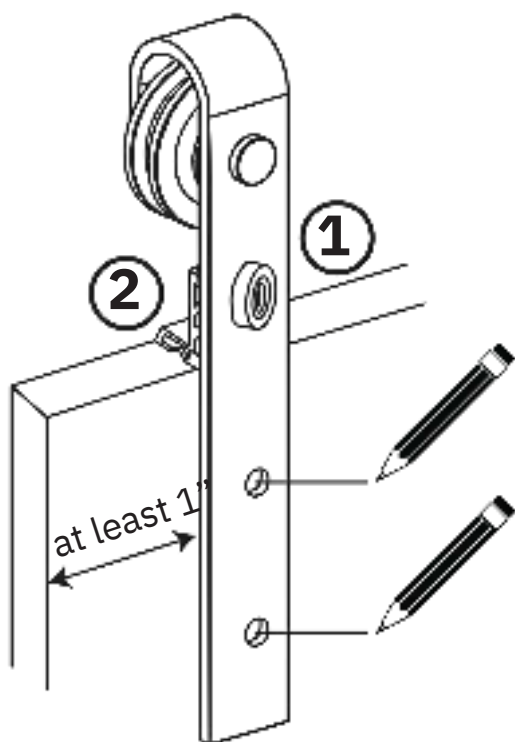


Roller Installation Instructions (No Measurement Needed):

1. Place 1 into the square slot on the roller.
2. Slide 2 onto the back of 1.

Important: Please keep 2 upright like shown in the picture when inserting into the square slot or you may damage the part.

STEP 5

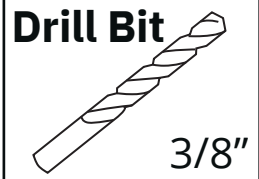


Place the roller with the anti-jump system on top of your door (make sure the bottom flat part of 2 is on top of the door). The distance between the side edge of the door and the hanger should at least be 1' to prevent any damage to your doors. Then draw the drill holes onto your door.

INSTRUCTIONS

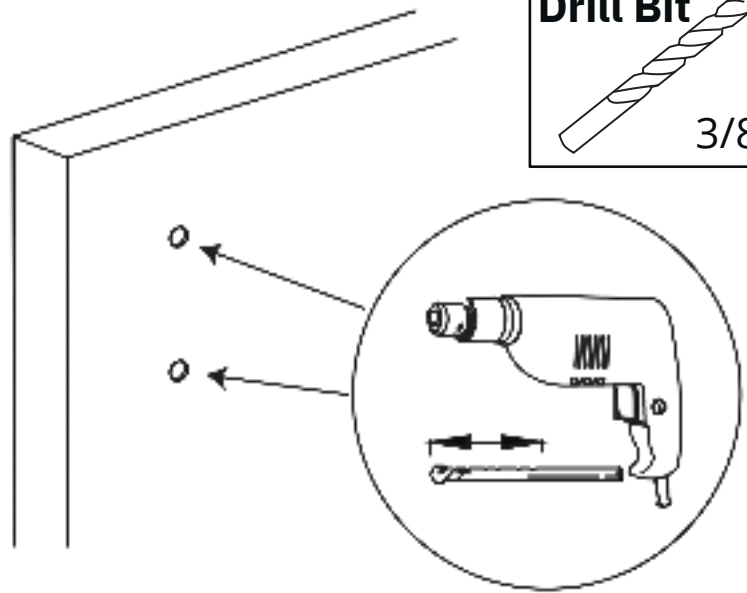
STEP 6

Hex Bolt Drill Bit



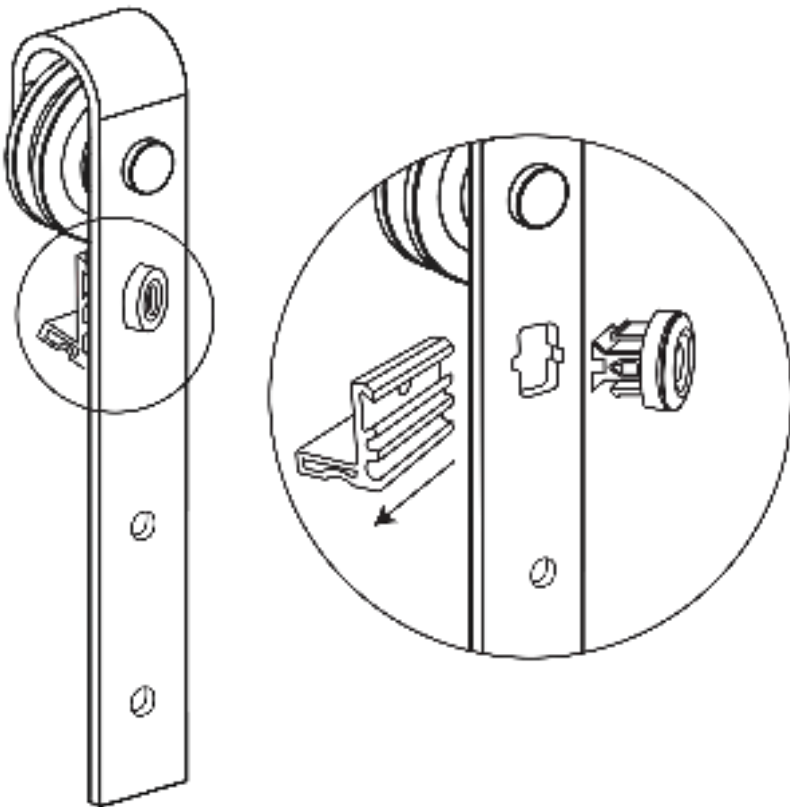
Take your roller off your door. Drill the holes for the hanger according to your previously drawn holes from step 5.

WARNING: Remember not to drill holes into your door while the roller is still on the door.



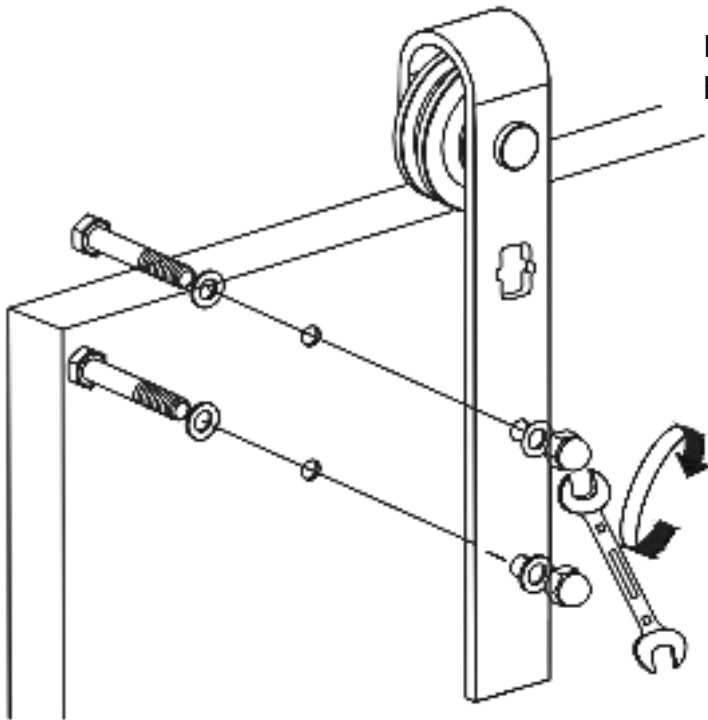
STEP 7

Important: Please remember to take your anti-jump system off of your rollers before mounting your roller onto your door.



INSTRUCTIONS

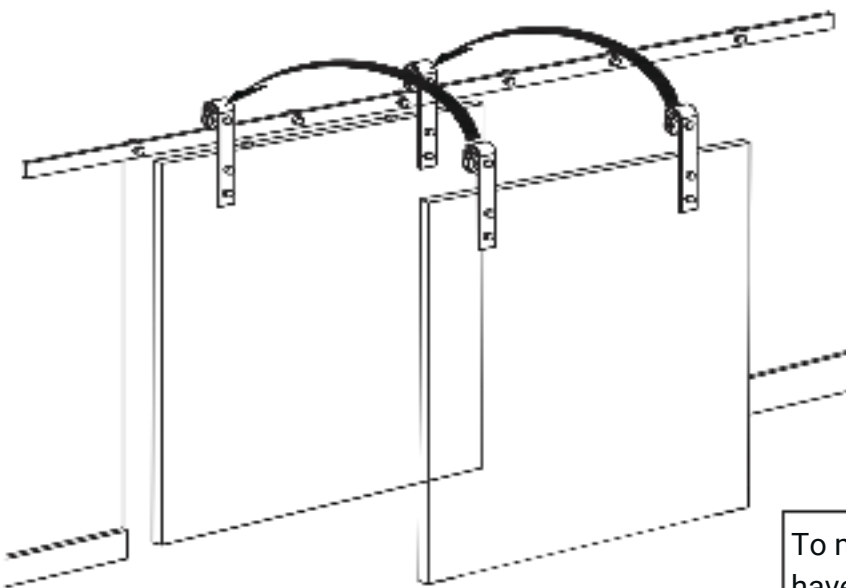
STEP 8



Finally, mount the roller onto your door by installing the hex bolts and the acorn nuts.

WARNING: Please do not use a power drill for these bolts.

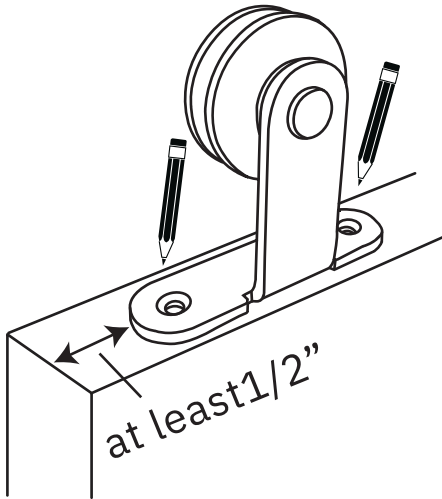
STEP 9



To mount your doors onto the track, you will have to lift your door at a slight angle and rest both wheel grooves onto the top of the track carefully.

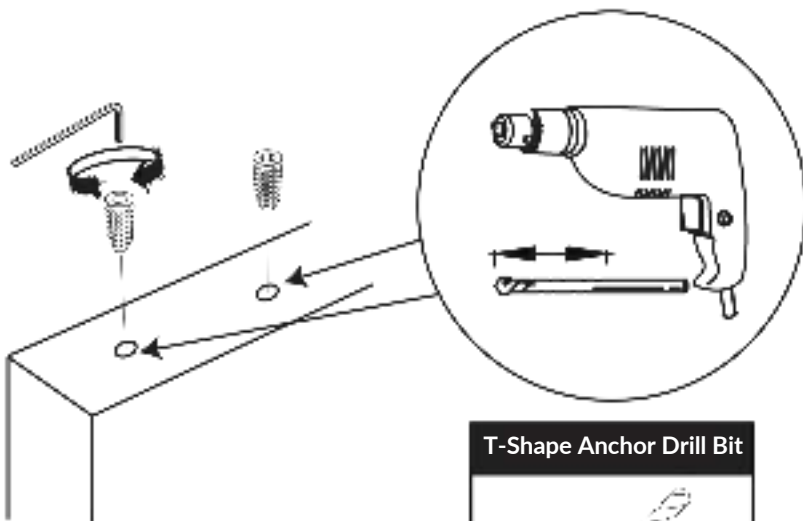
INSTRUCTIONS

If you do not have the T-Shape roller, please jump to the next page.
This page is for T-Shape rollers only.



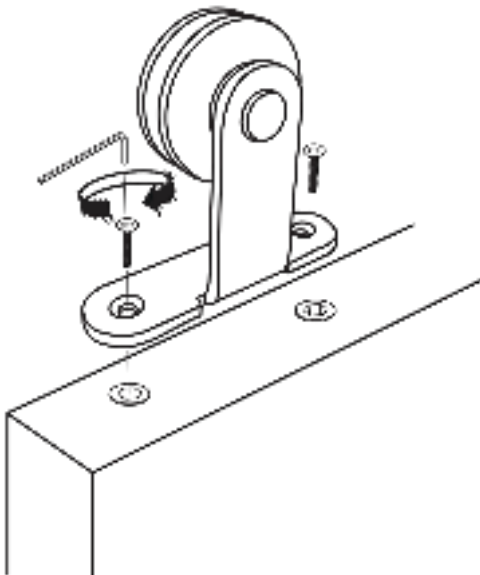
Roller Installation Instructions

1. Place the T-shape roller on the top of your door. The edge of the roller must be at least 1/2" away from the edge of your door. The roller should be placed at the center of the door thickness.
2. Use a pencil to draw the drill holes according to how the roller is placed.



3. Take your roller off of your door. Drill the holes for the hanger according to your previously drawn holes.
4. Use the biggest hex wrench to screw the anchor into the holes you just drilled.

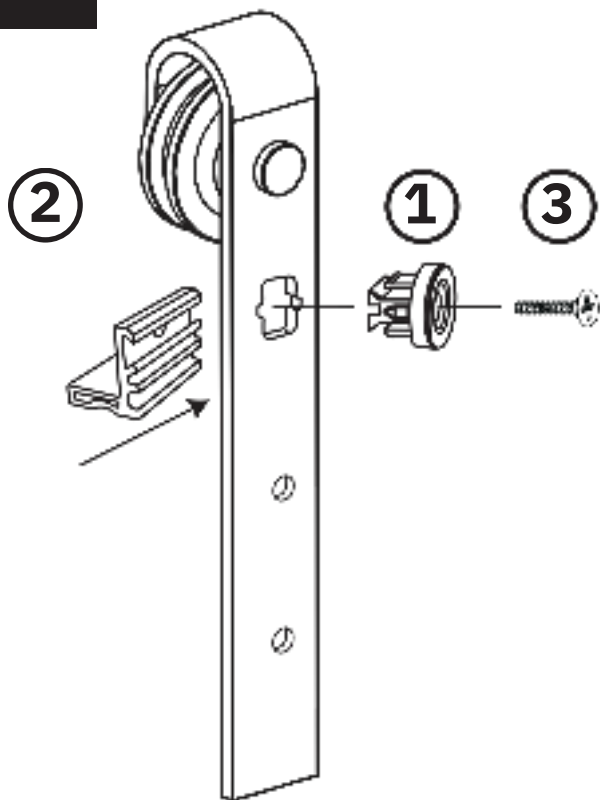
T-Shape Anchor Drill Bit



5. Finally, put your roller back onto the top of your door. Use the medium size hex wrench to add the screws into the anchor and lock it in tightly.

ANTI-JUMP SYSTEM

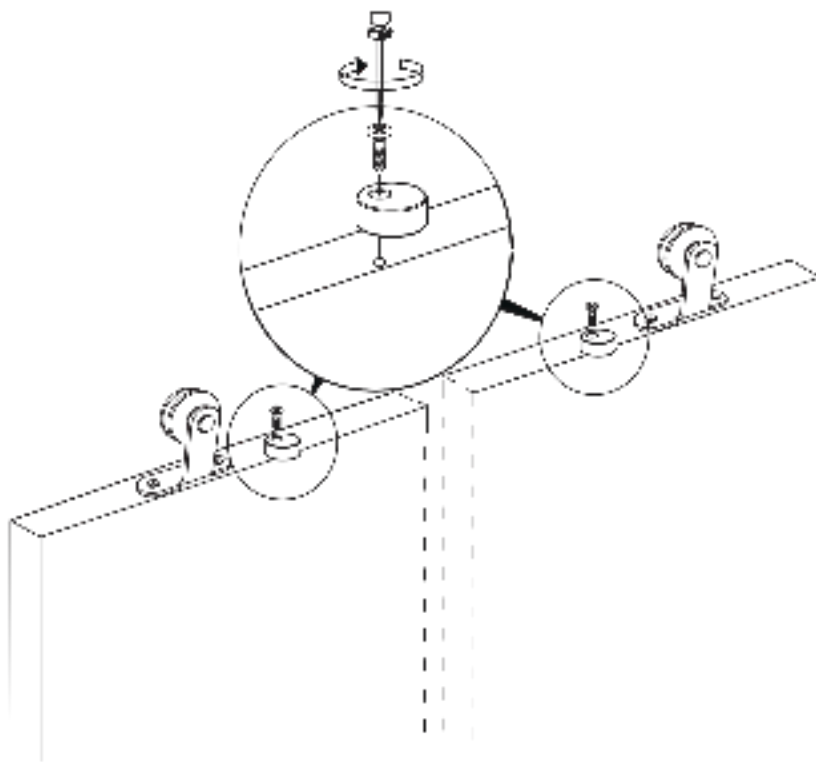
STEP 10



IMPORTANT: After hanging your door to the track, please remember to add the anti-jump system back onto your roller by repeating step 4.

Then, insert the screw into the hole and tighten it by using a screwdriver.

ATTN: DO NOT USE A POWER DRILL AS IT WILL DAMAGE THE PLASTIC PART.



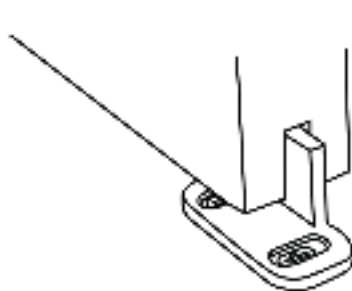
T-Shape Roller Only

Install the anti-jump system on top of the doors as shown on the picture. We suggest to mount them right below the track.

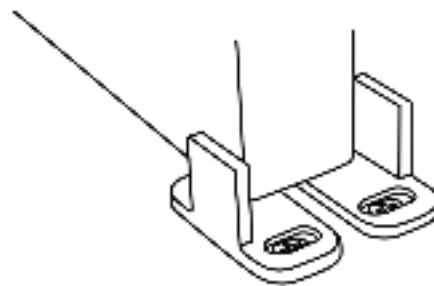
This step is only for T-Shape rollers, please disregard this step if you have any other kind of roller design.

INSTRUCTIONS

STEP 11



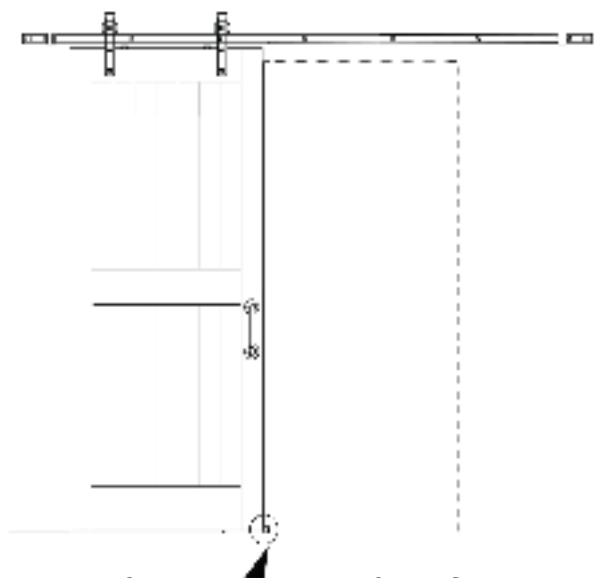
Groove Door



Non-Groove Door

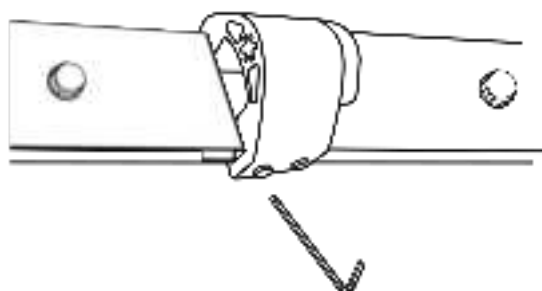
Install the floor guide on the edge of the opening where the door sits or slides over to. Here above is a diagram of the 2 ways you can use our given floor guide in the hardware kit.

If you are looking for different floor guides, please check out our website. If you type in "Floor Guide" in the search bar you will be able to find different designs.



Our preferred location of the floor guide

STEP 12

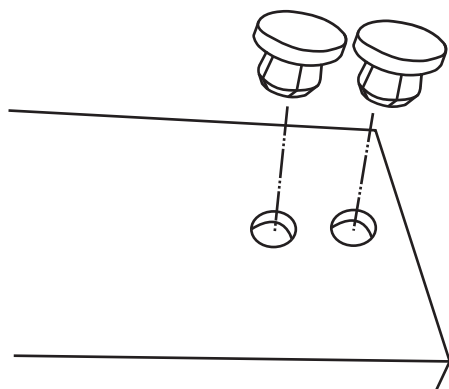


Turn clockwise

Install the door stoppers on each end of the track, like shown in the diagram with a hex wrench.

This door stopper is adjustable. You can change its position however you would like by sliding it on the track and tightening it where you need it to be. It slides over all lag bolt heads.

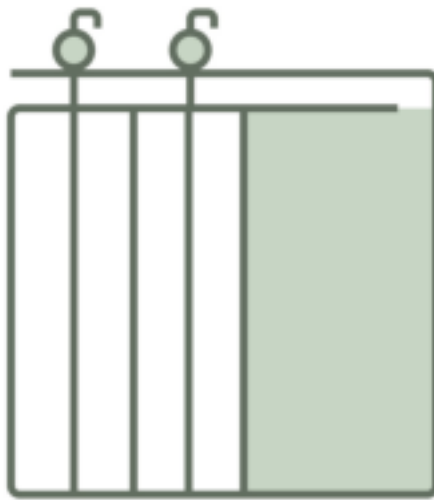
STEP 13



Finally, you can place the rubber covers onto the holes at the end of your track if you want to cover them up.

Feel free to place these from the backside of your track if you want a less conspicuous look.

YOUR INSTALLATION IS COMPLETE!



Have questions?
Don't hesitate to reach out to Evan at
evan@thebarndoorhardwarestore.com.