

HEAVY DUTY BARN DOOR HINGE INSTALLATION



Determine Hardware Needed

The first step to installing your hinges is to determine what type and/or length hardware you need. The most common type of hardware is 3/8" lag screws. To determine the length needed, measure the thickness of the door where the lag screws will mount and subtract 1/4". This is the length of the screw you need. You should always use galvanized screws for your hinges. As an upgrade you could also use stainless steel hardware. Most hinges come in a black finish. You could paint the heads of the screws black or get black zinc screws to match. The black zinc acts as a deterrent against rust and corrosion.

You could also use carriage or hex bolts if you desire, although it's typically considered overkill

Determine Quantity of Hinges Needed

How many hinges do you need per door? The best way of determining this is to guesstimate how heavy your door is and select the appropriate number of hinges. Typical doors use three hinges, one at the top, one in the middle and one at the bottom. Not only does this look good aesthetically, it also provided your door with excellent support. If your door weight 300 pounds, You want to divide by three and select at least a barn hinge rates for 100 lbs. The heavy duty hinge is the largest and most heavy duty hinge we carry and it's rated at 140 pouns per hinge. It's better to go a little overboard and get a hinge rated higher than needed, than skimp and have your door sag over time.

Mount the Hinges

Begin by mounting the hinges to the door. You want the center of the hinge pin aligned with the edge of the door. Both the top and bottom hinges should be between 6 and 10 inches from the ends. The middle hinge is of course placed in the middle of the frame. Layout each of the hinges and mark where the holes go. Drill 1/4" pilot holes for each lage screw. Drill just deep enough for the screws without drilling through the entire assembly. Align one of the hinges and use either a 9/16" socket set or an impact driver to drive the lag screws in. Repeat for the remaining hinges.

Attach the door

Manually affix the door to the opening to see how it fits. You may need some blocks of wood or brciks to prop the door in place. Once the door is in place, use C-clamps or bar clamps to hold the door in position. Drill the remaining pilot holes for the hinge side screws. Finally, insert the lag screws until they are tight. Remove the clamps and see how the door operates. If the door does not swing freely or binds, add some small shims between the door frame and the rough opening until it operates as desired.

If you have carriage or double doors, repeat for the other side. If you think your doors may sag over time or if they have issued with racking, add some metal bracing to support the weight.

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