

Fitting Instructions - Butt Hinges



How many hinges do I need for a door?

Butt hinges are the most common type of hinges used when hanging doors. The number of hinges needed per door can vary depending on the construction of the door and the size.

Generally, it is a good practice is to use three hinges per door. If you have a solid wooden door, at least three hinges per door are recommended. Where the door width is more than 1000mm or heavy doors, additional hinges can be fitted for adequate support. Additional hinges are also needed for tall doors, to prevent warping. Doors taller than 2200mm should be fitted with four hinges.

Where do I position the hinge on the door?

The location of the hinges on the door is usually up to you. Normally however, they will be 10 inches away from the bottom of the doorframe and 5 inches away from the top.

The same instructions can be followed when installing butt hinges to an internal door, cupboard door or cabinet door.

I have my hinges and know the position where they are to go, what do I do next?

By following the below steps, you should be able to install the butt hinges to your door easily. If you have any doubts, please consult a qualified tradesperson. Kindly ensure that appropriate Personal Protective Equipment is always worn.

Step 1.

Position your hinge on the edge of the door, allowing the knuckle to move freely. Then mark the outline of the hinge using a pencil.



Step 2.

Score into the wood with a knife using the pencil lines as a guide or use the actual hinge itself. This will help with the next stage when using a Chisel.

Step 3.

Chisel around the outline you have made in step 2 using a sharp chisel. Make sure you do not go over the outlines or split the edge of the door. Chisel down to a depth like the thickness of your hinge leaf.



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Step 4.

Chisel out space within the guides. You will need to chisel out enough to allow the leaf of the hinge to sit flush with the door surface. Please do not chisel deeper than the thickness of the hinge leaf. If you have cut too deep you will want to shim the hinge outward by trimming a paper card and fitting it under the hinge.



Step 5.

Clear away any splinters and position the hinge flush in the chiselled space and hold it firm in place. Drill pilot holes for the screws. Drilling pilot holes for screws helps to prevent the wood from splitting.



Step 6.

Loosely fit the screws into the pilot holes and gradually tighten until the hinge is secured firmly in place. Screws are not included with the Hinges supplied for use depending on application type as appropriate.



Step 7.

This next stage involves fitting the door to the frame and will require spacers. Spacers are required to raise the door, so when the door is opened and closed it does not scrape the floor.

Bring the door to the frame and place the spacers in the gap over and under the door. This will give you the correct gap around the door for it to move freely. Ensure the hinge leaves are open to mark the correct position of the hinge on the frame.

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Step 8.

Using a pencil to mark the height position of the hinge leaf on the door frame.

Step 9.

Use a spare hinge and align it into position with the marks made in Step 8. This will help to ascertain the position of the hinge on the inside of the door jamb. Remember to allow enough space for the hinge knuckle to bend freely without marking the frame.



Step 10.

Follow steps 2 to 5 and drill pilot holes into the door frame jamb using a spare hinge.

Step 11.

Follow steps 1 – 10 for all the hinges you need to fit to hang the door.

Step 12.

Hold the door into position and loosely fit the screws in the pilot holes for all hinges. Gradually tighten them until the hinges are secured firmly in position.

Check the door swings smoothly and shuts flush with the door frame or you may need to make some minor adjustments such as adjusting the countersinks depth.

Care And Maintenance

Depending on nature of Hinge application and general wear and tear under fair usage, it is recommended to ensure periodic lubrication around centre of hinge knuckles where the moving parts are located around central pin for smooth operation.

Kindly ensure to consult and engage a professionally qualified tradesperson for appropriate installation of Hinges.

Keep children away from work areas.