

# Round hinge mounting instructions

#49162

## Surface Mounting

Attach the top of the box to the bottom of the box with masking tape. Before taping, insert equal shims at the corners of the box between the lid and the base. The shims should be approximately 1/32 inch; the thickness of 2 playing cards works well.

Look at the hinge barrel and you will see that one half of the hinge has a split in it: locate that split portion over the joint between the lid and the base. Draw a circle around the hinge as accurately as possible and mark the screw holes. Pre-drill the screw holes with a very small bit, ensuring that the bit does not protrude inside the box. Mount the hinges onto the box.

## Mortise Mounting

To cut the round mortise you will need a 1.3/8 or equivalent forstner drill bit with a short center spur. This forstner bit will be used in a drill press, and the bit will be turned *only by hand*.

*In no case should the power of the drill press be turned on while cutting the round mortises. It is recommended that the power to the drill press be unplugged while doing this operation.*

*It is also recommended that you practice the cutting operation on scrap wood before attempting the cuts on your box.*

Attach the top of the box to the bottom of the box with masking tape. Before taping, insert equal shims at the corners of the box between the lid and the base. The shims should be approximately 1/32 inch; the thickness of two playing cards works well. **Tape very securely because the cutting of the bit into the wood will tend to twist part of the box to the right.** Locate the split in the hinge barrel over the joint between the lid and the base and draw a circle around the hinge.

Depending on the shape of your box you may need to build a jig to hold it securely onto the drill press table. The center spur should NOT be at the crack between the box and lid, but rather about an eighth (1/8) inch into the box part.

Apply moderate downward pressure the using the drill press feed handle, and at the same time turn the 3 jaw chuck / forstner bit clockwise by hand. The center spur will enter the wood and the outer spurs will begin to cut the 1.3/8 hole. Increase downward pressure if necessary, and continue cutting the wood until the desired depth is achieved. Ensure that the box does not shift; if it does you may need to decrease cutting pressure and/or change the position of the clamps. **TAKE CARE ON THIN BOXES THAT YOU DO NOT CUT SO FAR AS TO PROTRUDE THE CENTER SPUR ALL THE WAY THROUGH THE BACK.**

Drill very small pilot holes and insert the screws, being careful that they do not protrude through the remaining wood under the mortise.

Disclaimer: These instructions are just suggestions to assist with installation. Depending on your skill level there may be alternate ways of installing the hinge. We assume no liability or responsibility directly or indirectly for damages arising from the process on account of our suggestions.