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**INSTRUCTIONS  
FOR  
HIT-60B CORE MASTER  
FOR DRILLING  
WIRE RACEWAYS  
THRU THE DOOR.**

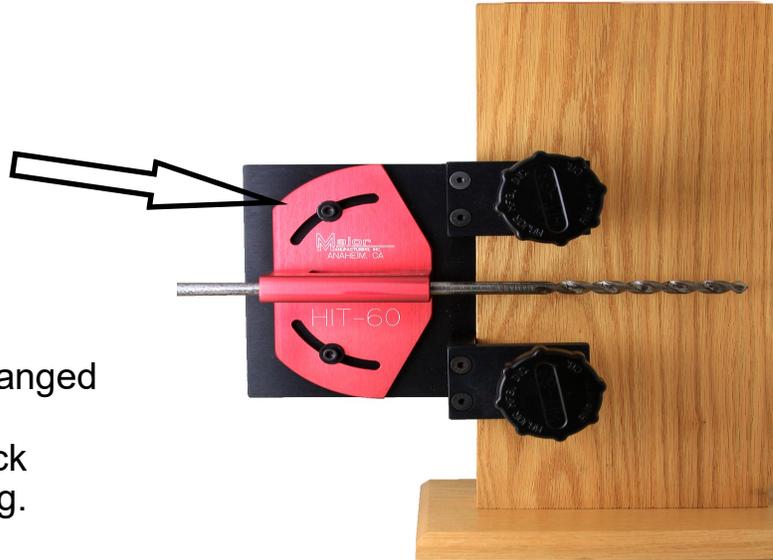
**WHEN USING POWER TOOLS  
ALWAYS WEAR  
EYE AND EAR PROTECTION!!**

# **THINK SAFETY!!**

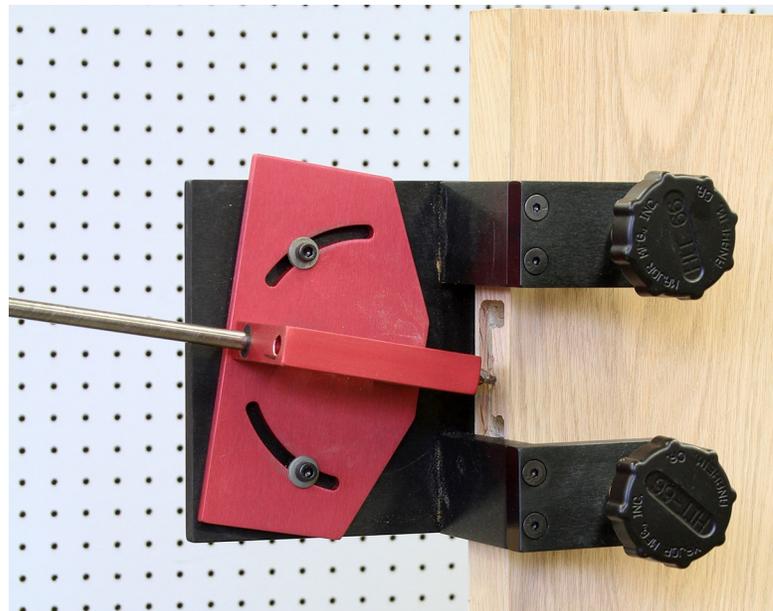
**WHEN USING POWER TOOLS  
ALWAYS WEAR  
EYE PROTECTION!!**

Before attempting any installation know how to safely use the power tools involved. Be sure all bits and cutters are sharp and in good condition and all power tools and extension cords are in good working order and properly grounded. **AND MOST IMPORTANTLY, BE SURE TO WEAR, EYE AND EAR PROTECTION.**

# HIT-60B KEY FEATURES FOR ADJUSTING DRILL

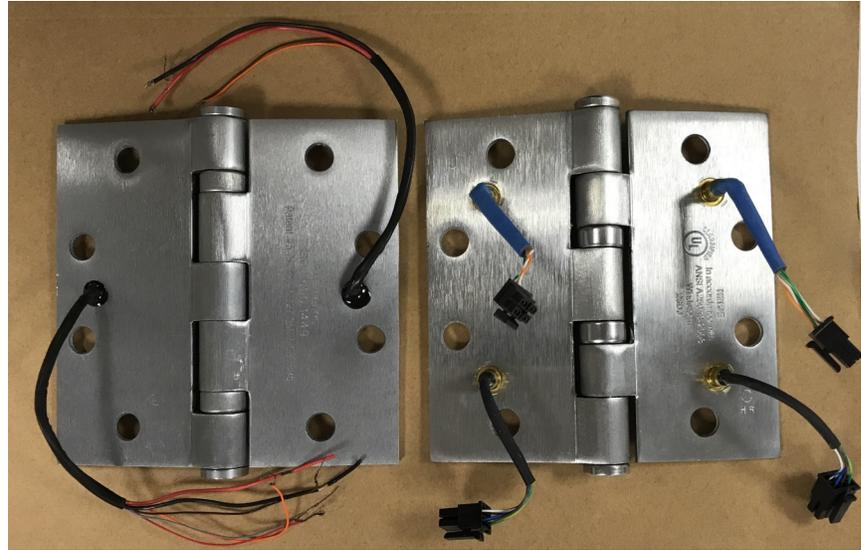


The drilling angle can be changed by using a 3/16" hex key to loosen the drilling guide block and tightening after adjusting.



Mark location on the full mortise hinge prep for the desired wire port location. (Refer to electrified hinge manufacturer template and instructions for location and allowable wire service channel size diameter and depth)

A 3/8" rod (supplied) inserted into the hardened drill guide to show where drill bit will make contact to door.



Standard electrified hinge prep used by most hinge manufacturers. These hinges require just a round hole (typically 5/8" diameter, 1-1/2" deep) for the wire service connection. The wire service connection is just a pocket where the wires are connected.



McKinney PoE (Power Over Ethernet) electrified hinge uses the U-Shaped wiring pocket as shown in our installation.



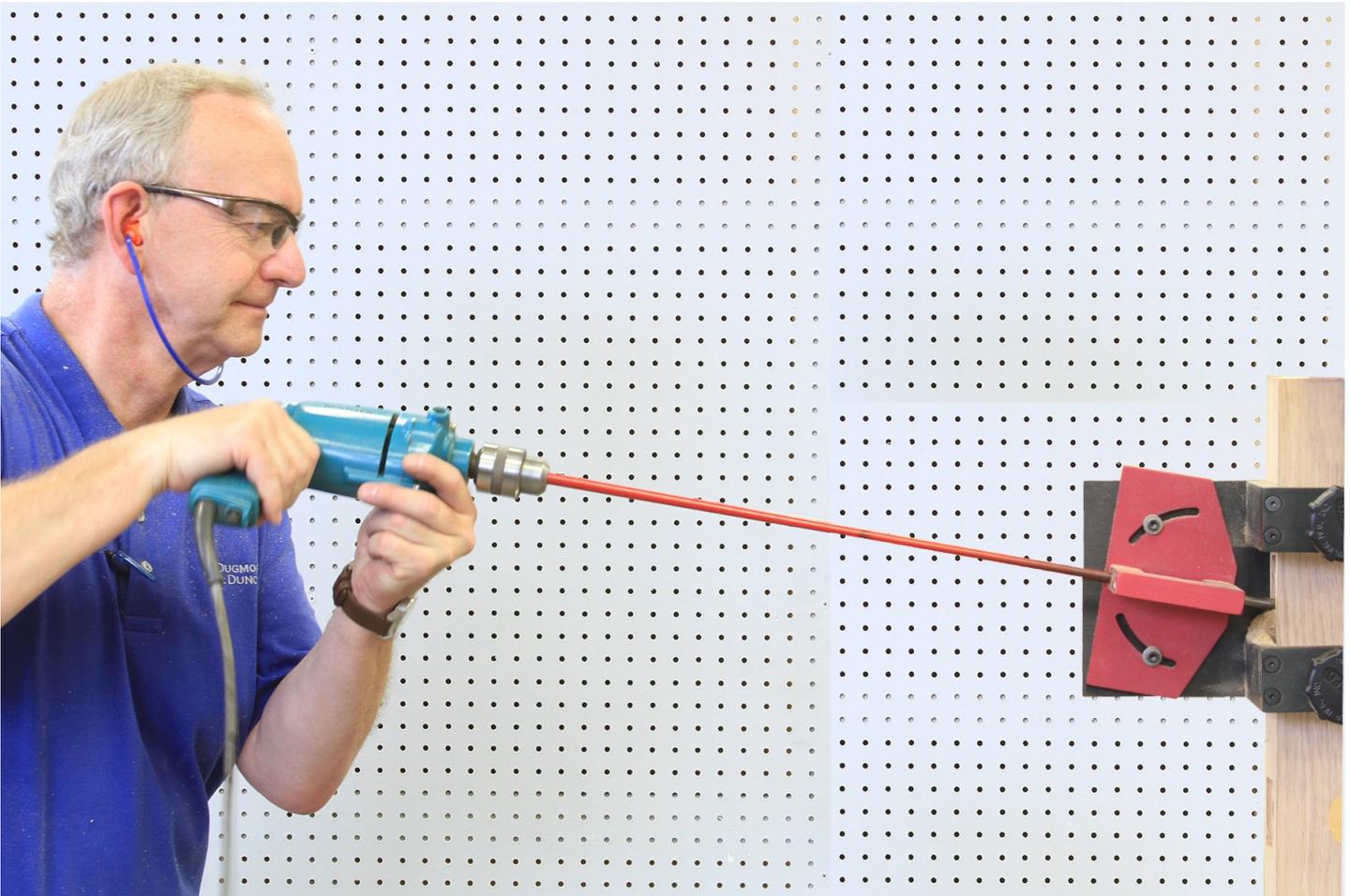
The full length drill bit inserted in the drill guide. By having the 3/8" rod and drill bit inserted at the same time, you can see where the drill bit will make contact to the door and where the hole will end up.

With the drill bit going across the door, it is a good idea to use a felt tip pen to make a mark so you will know when the drill bit is getting close to breaking out.



Make a mark here so you will know when the drill bit will break through.

The HIT-60B drill guide are now supplied with 2 drill bits, a 24 inch and a 48 inch. Use the 24 inch first and drill as far as possible, change to the 48 inch and complete the raceway. Using the shorter drill bit first there will be less flex on the bits. Be sure to pull the bit completely out of the door to clear the wood chips from the hole when drilling.



The HIT-60B is now supplied with two drill bits, a 24 inch and a 48 inch. Start by using the 24 inch drill bit, the shorter bit will have less flex when drilling. Once you have drilled as far as you can, change to the longer 48 inch bit and finish drilling the raceway. By using the shorter bit first, there will be less flex when changing to the longer 48 inch bit.

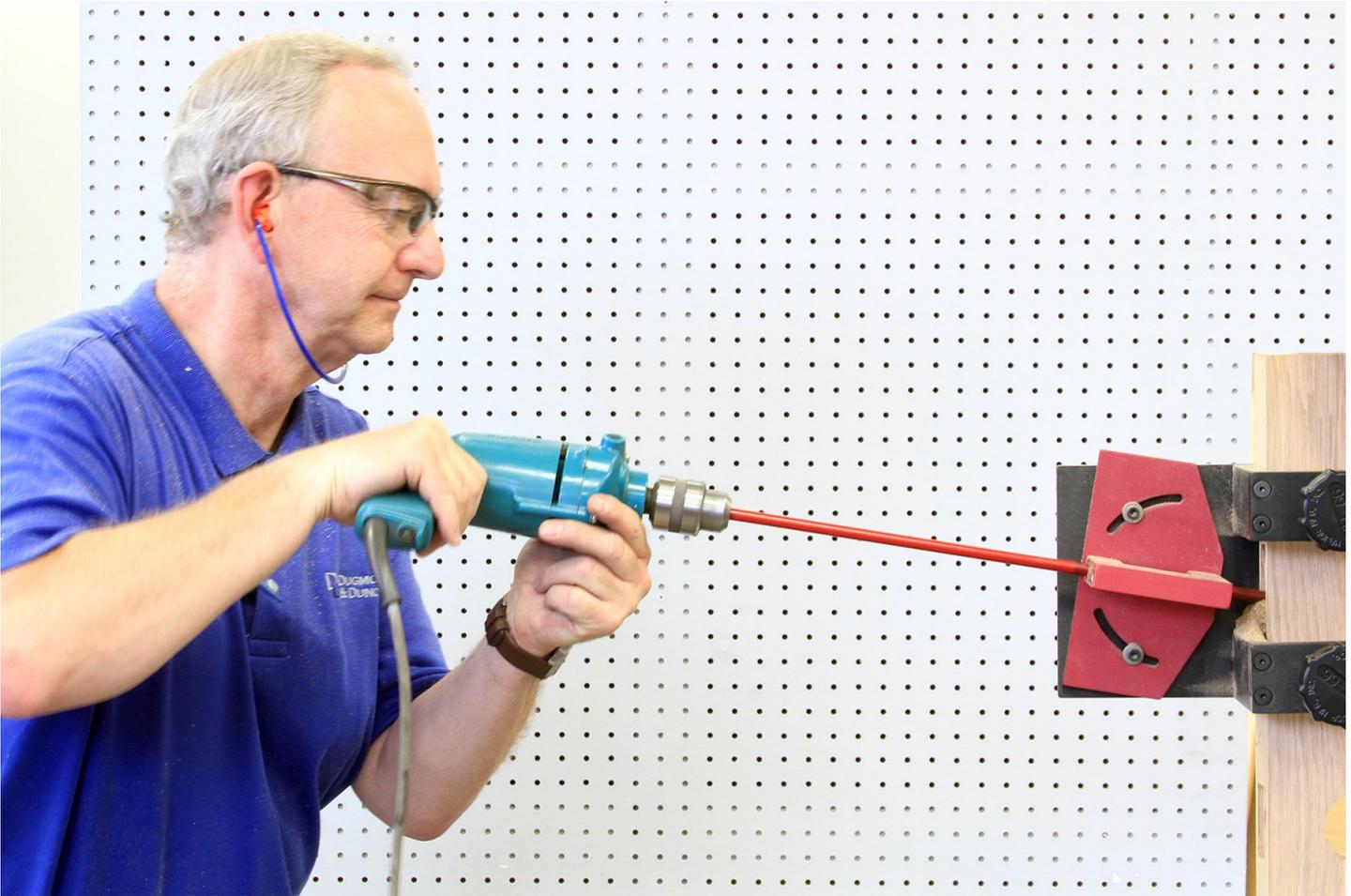
When drilling wood composition doors, use a drill speed of about 800 rpm. For best results DO NOT EXCEED THIS SPEED. Drill only to a depth of 1" to 1-1/2" then with the drill still running, pull the bit completely out to clear the hole. If drilling a mineral core door, cut the drill speed to about 400 rpm. Make sure to drill to use the same drilling methods as for the wood core door.

**Note the use of proper eye and ear protection.**

### **REPLACEMENT DRILL BITS**

**24 Inch Drill Bit P/N HIT-60B-3824 HSS**

**48 Inch Drill Bit P/N HIT-60B-3848 HSS**



Once you have drilled about 1 to 1-1/2 inches into the door, run the drill bit to the bottom of the hole and pull completely out with the drill still running. Do this step several times through the rest of the drilling procedure. This will keep the chip buildup clear and allow a cleaner more accurate raceway.

## **REPLACEMENT DRILL BITS**

**24 Inch Drill Bit P/N HIT-60B-3824 HSS**

**48 Inch Drill Bit P/N HIT-60B-3848 HSS**



Starting point is a power transfer hinge cut out shown at the left.

This "U" shape pocket is used by McKinney PoE electrified hinges.

The wire raceway hole will end up in the mortise pocket shown at the right.



Completed wire raceway hole shown at the right.

