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**INSTRUCTIONS
FOR
HIT-60 CORE MASTER
FOR
DRILLING WIRE RUNS**

“INTENDED FOR USE ON NON-FIRED RATED DOORS ONLY”

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

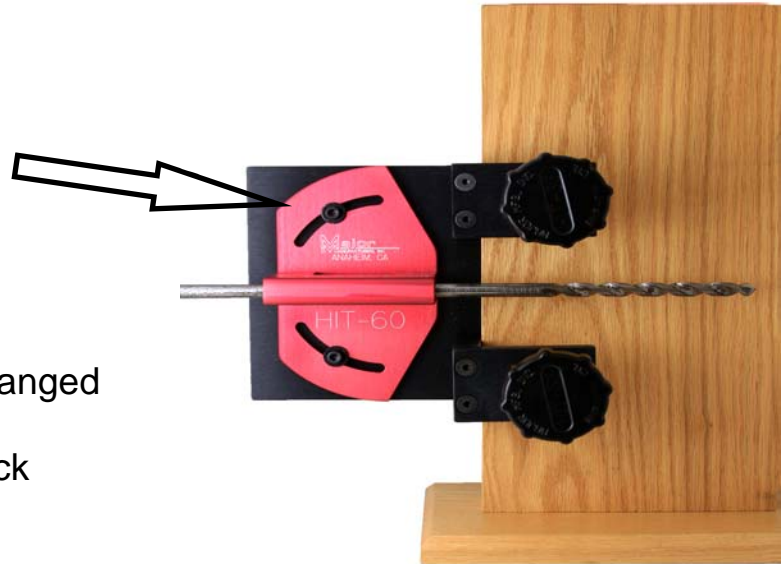
THINK SAFETY!!

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

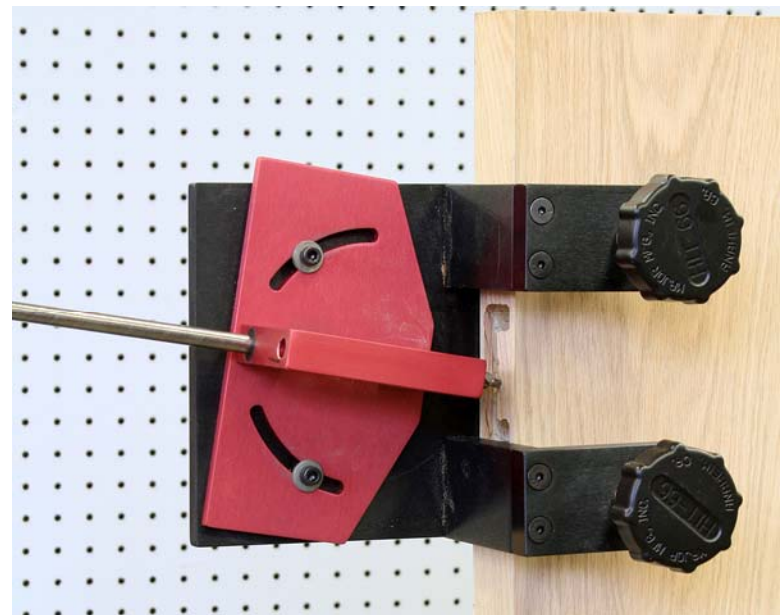
Before attempting any installation know how to safely use the power tools involved. Be sure all bits and cutters are sharp and in good condition and all power tools and extension cords are in good working order and properly grounded. **AND MOST IMPORTANTLY, BE SURE TO WEAR, EYE AND EAR PROTECTION.**

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HIT-60 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.

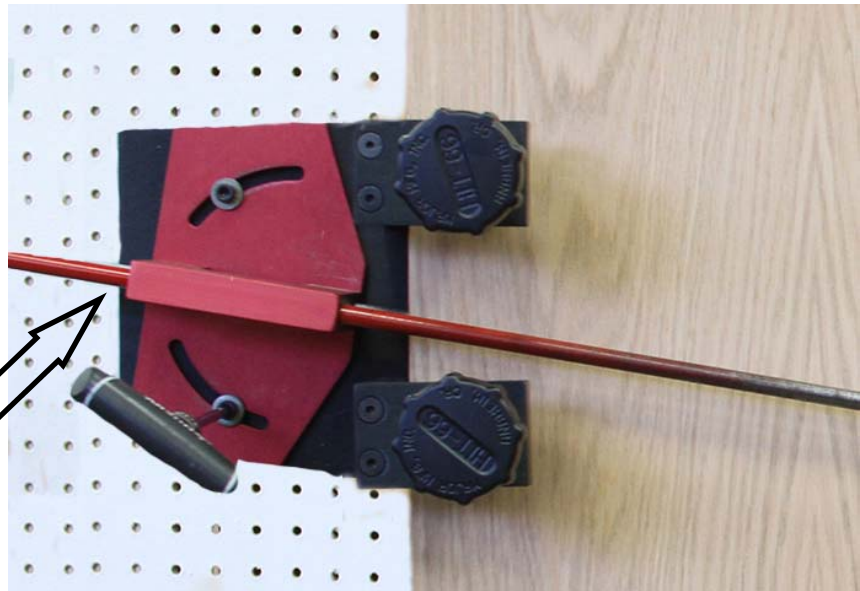


McKinney PoE (Power Over Ethernet) electrified hinge uses the U-Shaped wiring pocket as shown in our installation.

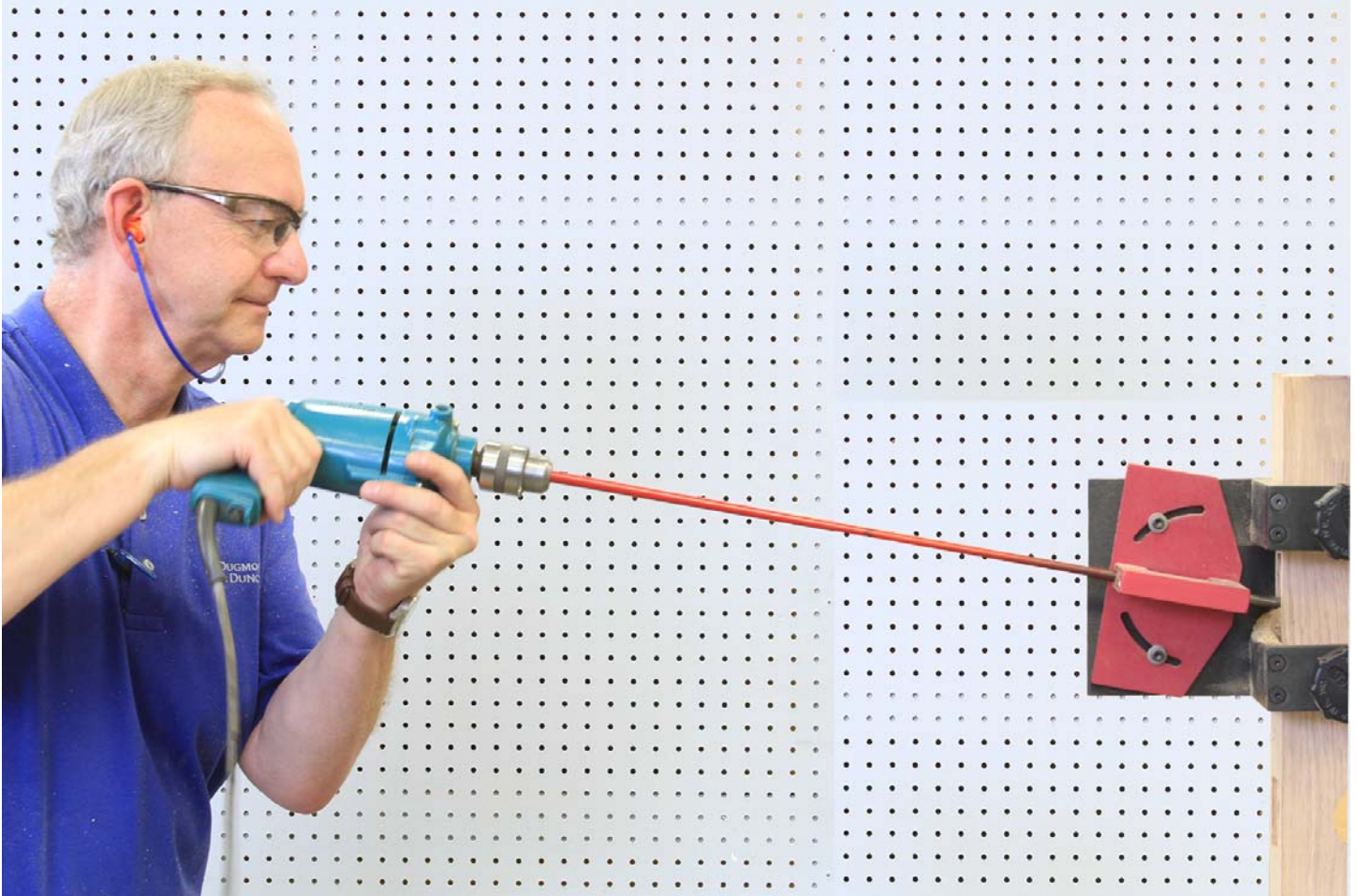


The full length drill bit inserted in the drill guide. By having the 3/8" rod and drill bit inserted at the same time, you can see where the drill bit will make contact to the door and where the hole will end up.

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.

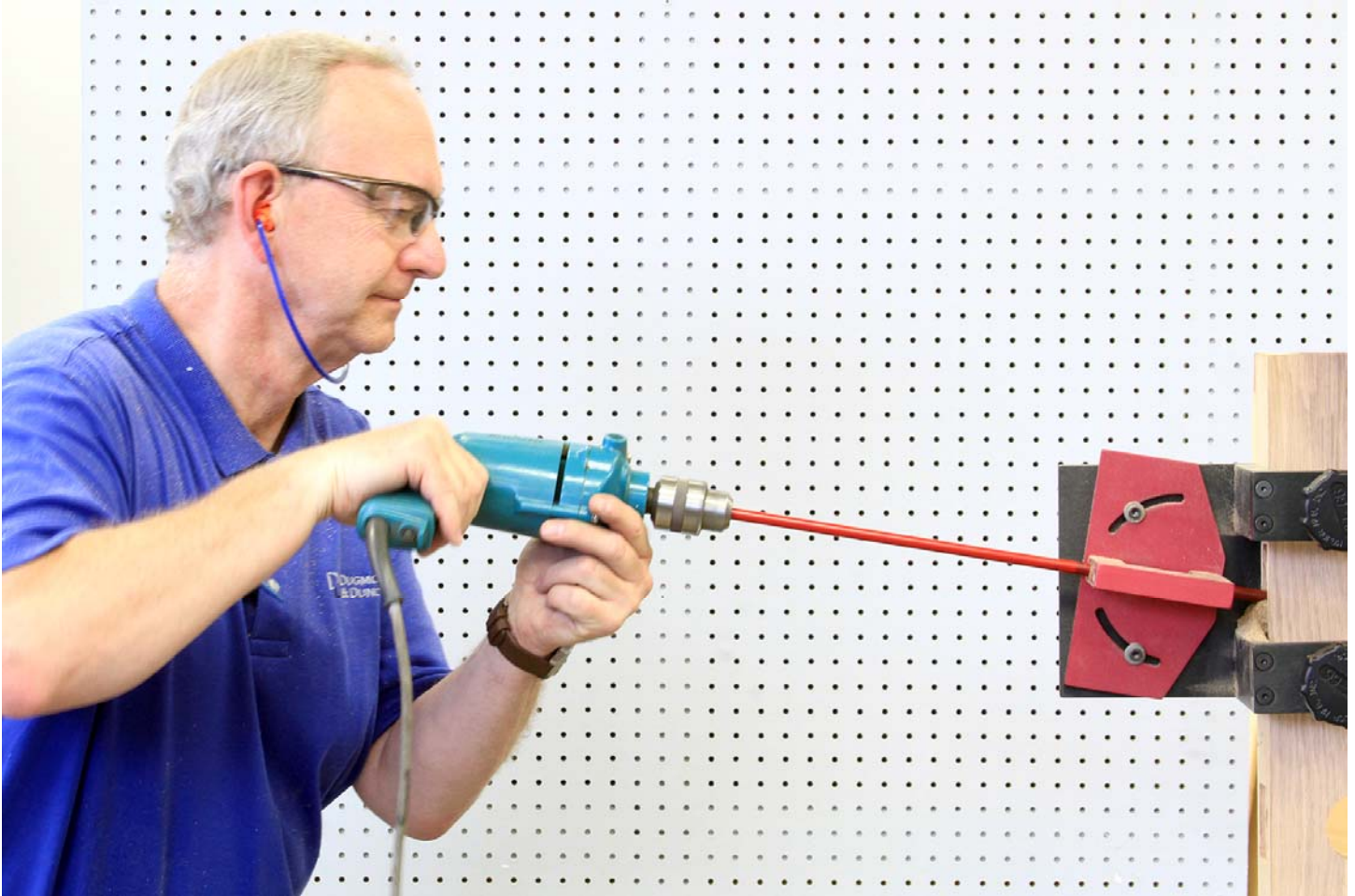


Make a mark here so you will know when the drill bit will break through.



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.



Once you have drilled about a quarter of the way through 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 through the rest of the drilling.



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 run hole will end up in the mortise pocket shown at the right.



Completed wire run hole shown at the right.

