



1825 VIA BURTON
ANAHEIM CA 92806
714-772-5202 / FAX 714-772-2302
EMAIL: MAIL@MAJORMFG.COM
WEB: WWW.MAJORMFG.COM

**INSTRUCTIONS
FOR HIT-22
MORTISE CYLINDER
DRILL GUIDE**

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

Until now installing a mortise cylinder in the proper location was a hit or miss proposition. With the HIT-22 drill guide you will always be spot on. The HIT-22 can also be used to correct misaligned cylinder holes that you run across in day to day service. Have you ever had to loosen the mounting screws in a mortise lock case to remove the cylinder? It is now easily corrected.



These are the most important tools that you will use in this installation.

**Always use
eye and ear
protection!!**



HIT-22
Drill Guide

Hole Saw Drill Blank

Extractor Handle

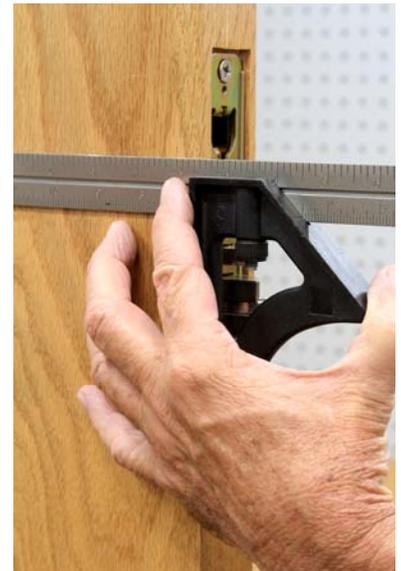


The HIT-22 is used to accurately locate the hole needed for a mortise cylinder in an existing door prep.

First remove the lock faceplate as shown on the right.



You need to locate the approximate location of the cylinder hole and can do so as follows: Using the cylinder retaining screw as a center point draw a line with a combination square. This is the horizontal center line of the cylinder.



Measure backset of the lock, in this case 2-3/4" and make a second mark. This is the approximate center of the cylinder hole.

Remove the mortise lock case from the door.





Drill a 3/8" to 1/2" hole at the marked location this should be close to the center of the cylinder hole.

Install the HIT-22 guide in the lock case and secure with the cylinder retaining screw.



Install the lock case back into the door.

Replace the pilot drill on a 1-1/4" hole saw with the supplied drill blank.



Thru the hole drilled in the step above, you should be able to see the HIT-22 and the pilot hole in the center.

Place the drill blank in the pilot hole and drill the cylinder hole with a low rpm. Back the hole saw out of the cut a few times when drilling to remove chips.





The cylinder hole is large enough to remove the HIT-22 without having to remove the mortise lock from the door. Simply screw the extractor handle into the HIT-22 guide, loosen the mortise cylinder retaining screw and the HIT-22 can be removed.



The cylinder hole is perfectly centered over the mortise lock.

Install the mortise cylinder.

NOTE: in many cases you may encounter mis-drilled cylinder holes when servicing locks. It is very easy to correct with the HIT-22.



Tighten the mortise cylinder retaining screws and install the faceplate.

That's all there is to it!

