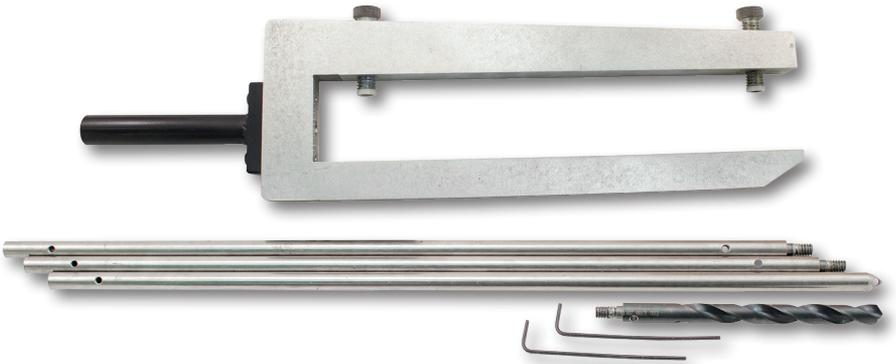


Large RiteThru Tool Instructions



*Lockmasters Part Number - LKMRT1KIT
Supplied in a Pelican-like Case*

LOCKMASTERS®
I N C O R P O R A T E D

INTRODUCTION

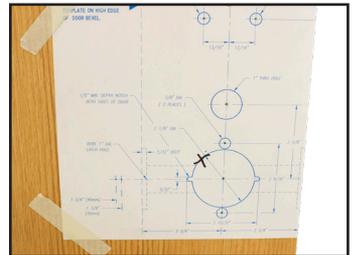
- Proper planning.
- Placing the tool on the door for surface preps
- Transfer the holes
- Core drilling from hinge side to lock side
- Aligning the tool to hit the target
- Recommendations for drilling
- Storage and cleaning

PLANNING

- Be SAFE, eye protection should always be worn when operating power tools.
- Identify your target and your starting point.
- If working on a fire rated door, consult your Local Authority Having Jurisdiction before proceeding.

POSITION THE TEMPLATE

- Find the installation template provided with the door lock, door closer, etc.
- Follow the manufacturer's instructions and position the template on the door.
- Pre-punch the printed holes on the template.



PLACE THE TOOL ON THE DOOR FOR SURFACE PREPS

1. Once the door has been marked on only one side, use the sighting window and position the RiteThru over the mark.



2. Hand tighten the drill bushing screw on the other side of the door. Let the tool rest on the edge of the door as shown.



TRANSFERRING THE HOLES

- Insert the 3/16" transfer punch into the Punch Bushing and mark the door.
- Relocate the RiteThru to your next hole location and repeat.



- Once all holes have been transferred, go back to the side that was originally marked. Use the 3/16" pilot bit to drill your pilot holes.



- These can be expanded to the diameter that is needed for your application. Drill the hole halfway on one side then finish the thru hole from the other side. It is not recommended to drill completely through from one side. **Do not use the RiteThru fixture's sighting hole as a drill guide.**



CORE DRILLING FROM HINGE SIDE TO LOCK SIDE

- Loosely place the RiteThru on the hinge edge of the door. Be sure to leave 1/2" gap between the door and the tool. The gap is needed to allow material to exit the door during the drilling operation.



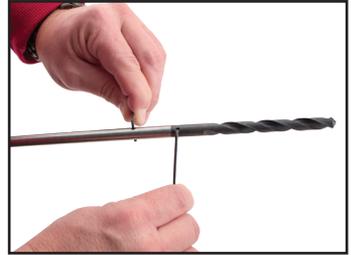
ALIGNING THE TOOL TO HIT THE TARGET

- Once the point of entry for the raceway has been determined, use the body of the RiteThru to aim the extended drill bit at the termination point of the raceway.
- Hand tighten the back screw only, closest to the hinge edge of the door.
- Lay the drill bit on top of the RiteThru, this will more accurately aim the tool.
- Turn the drill bushing screw until it just makes contact with the surface of the door. *DO NOT over tighten! (ONLY hand tighten the drill bushing screw 1/2 turn past the point of surface contact, clockwise.)*
- Go back to the mounting screw closest to the hinge edge of the door, hand tighten only. **NEVER use a wrench to tighten either of these screws!**



RECOMMENDATIONS FOR DRILLING

- When using a multi-piece drill bit, your drill motor should only be connected to the end section of the drill bit, this section is easily identified by it's blunt end. It also has a small hole drilled through. Do not chuck the drill to the threaded sections of the multi-piece drill bit. This will damage the thread.
- Use the 2 Hex Wrenches provided to tighten each drill bit section as they're added.
- If you are using the multi-piece drill bit, start out with 2 sections of the bit joined together and add sections as the raceway depth increases.
- Connect the 3/8" drill bit to the bullet end drill section.
- You must allow the drill bushing to do the work.
- Guide the drill in and out of the door repeatedly, this will allow material to be cleared from the newly drilled hole. This clearing must be done very frequently. If the material is not cleared often, it can build up and bind the drill.
- **Do not reverse the drill while the multi-sectioned bit is in the raceway. This could unscrew sections of the drill bit.**



STORAGE AND CLEANING

The RiteThru tool is a precision tool and care must be taken to ensure that it is kept on good working order. When not in use, it should be properly cleaned and stored to ensure it remains in working order.

The threads of the multi-section drill pieces should always be protected when not in use. Again, these are precision tools and care must be taken to keep them in good working order. Before storing them away, lightly oil the drill sections to prevent corrosion.

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