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**INSTRUCTIONS
FOR
HIT-66-268 TEMPLATE
FOR
SALTO XS-4
MORTISE & CYLINDRICAL
LOCKS**

**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.**

Drill Bit Types



All hole saws are not created equal. A cheap hole saw from a home improvement center or one that has been dropped can be out of round and will not fit the drill bushings in our templates.



Shown above is a standard twist drill bit. They can be used on both wood or steel doors. Be sure to back out the bit when drilling to clear chips.



Shown above and at right is a brad point bit. They will produce a very clean hole in a wood door. Use at a low speed and back the bit out to clear chips. Do not use on a steel door.

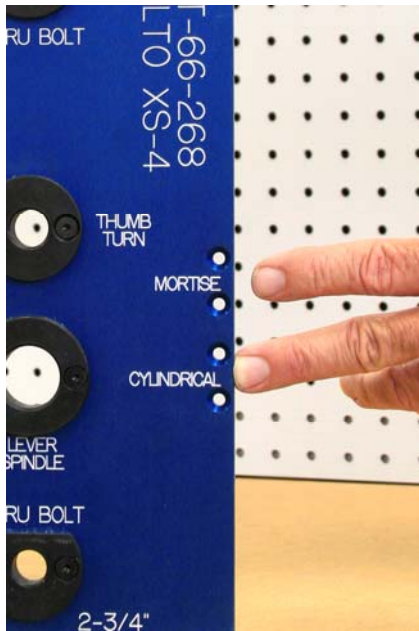


Shown above is a tri-flute drill bit. Do not attempt to use this in a drill guide. The lack of bearing surface will cause the bit to jam.

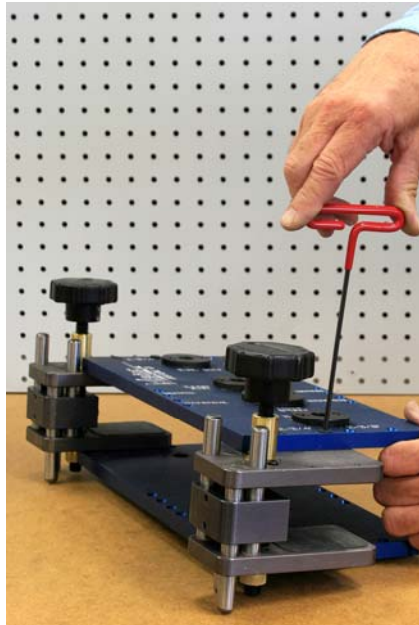


Shown above is a spade or paddle type bit. Do not attempt to use this in any drill guide. There is no bearing surface and you will jam the bit.

The HIT-66-268 template for Salto XS-4 locks will work on both cylindrical and mortise locks. The backset can be set at 2-3/8" or 2-3/4". This unit will work on both wood or steel doors and for new installations or retrofitting.

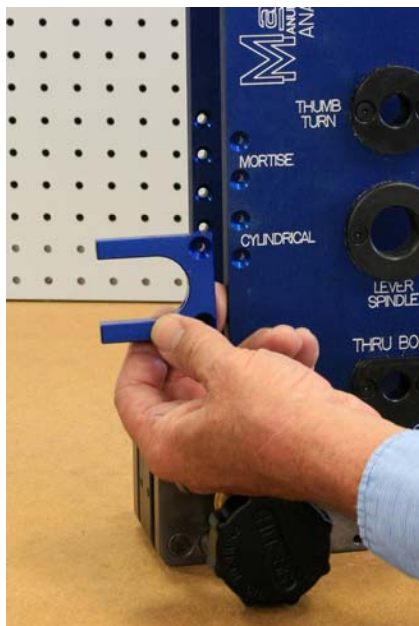


The HIT-66-268 drill guide for Salto XS-4 locks can be set up for use for both cylindrical and mortise locks. It is also adjustable for both 2-3/8" and 2-3/4" backsets.

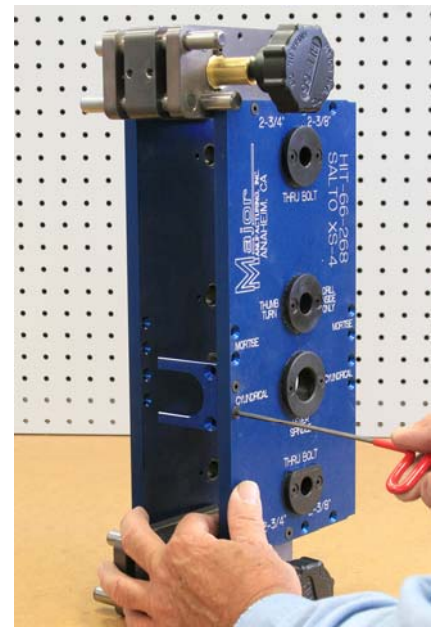


NOTE: The HIT-66 clamps shown are not part of the HIT-66-268 template set and must be purchased as a separate item.

With both clamps opened equally, install both inside and outside templates to the HIT-66 clamp as shown. There are two sets of mounting holes; one for 2-3/8" and one for 2-3/4" backset locks. Do not tighten the 10-32 screws at this time. When all screws have been loosely installed, then it is ok to tighten.

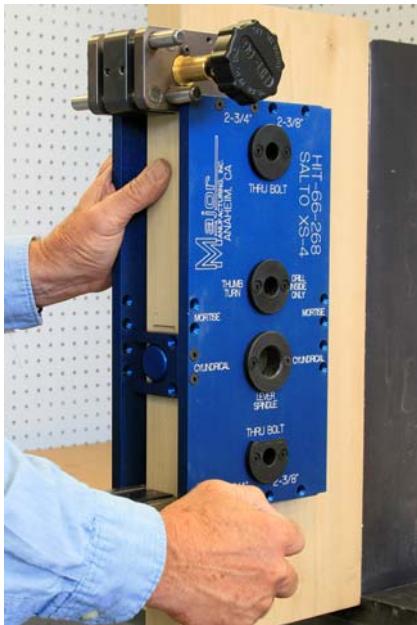


Install the "U" shape alignment guide with 2 10-32 screws as shown. Mount the guide in the holes marked cylindrical, it can be mounted on either side of the guide.





Place the supplied blue plug into the latch hole and mount the drill guide over it as shown. This will center the drill guide over the cylindrical prep.



Alternate tightening between the top and bottom clamp. Do not attempt to tighten one clamp all the way at once.

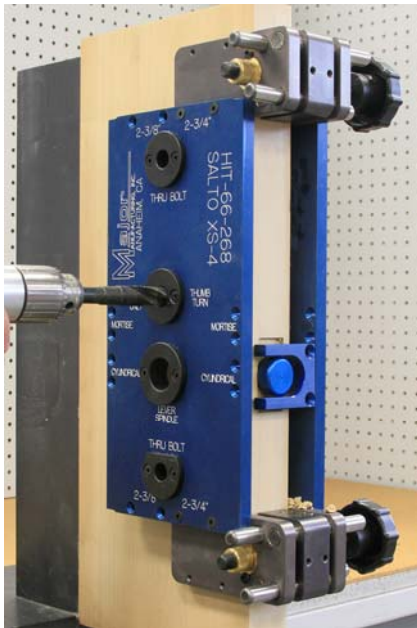
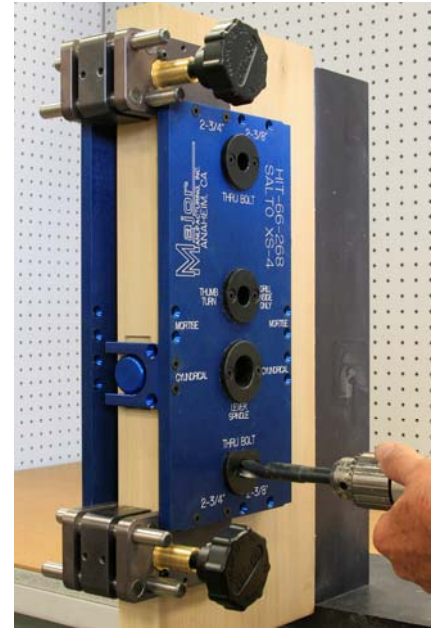


Shown are drill bits that will work with this drill guide. The twist drill will be a good choice for both wood or steel doors, The hole saw will be needed for larger holes. Do not use spade type bits, there is no bearing surface and they will jamb in the drill guides.

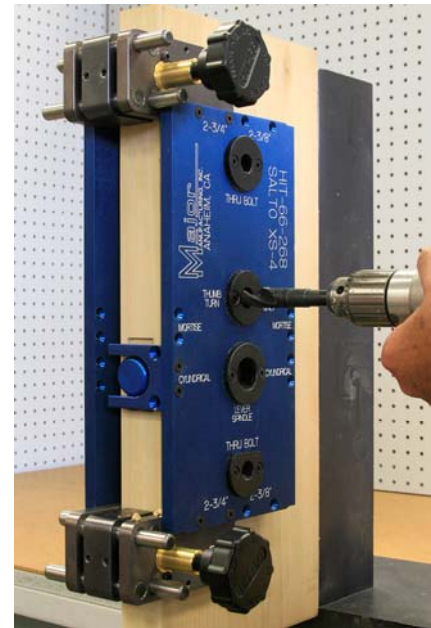


Using a 9/16" drill bit drill the thru bolt holes, drill half way from both sides of the door. Drill both top and bottom

Be sure to use a slow RPM on the drill and back the drill out from time to time to help remove chips.



Switch to a 5/8" bit and drill the hole for the thumb turn if needed for the function of lock being installed. On a cylindrical this hole goes through the door. Drill half way from both sides of the door.



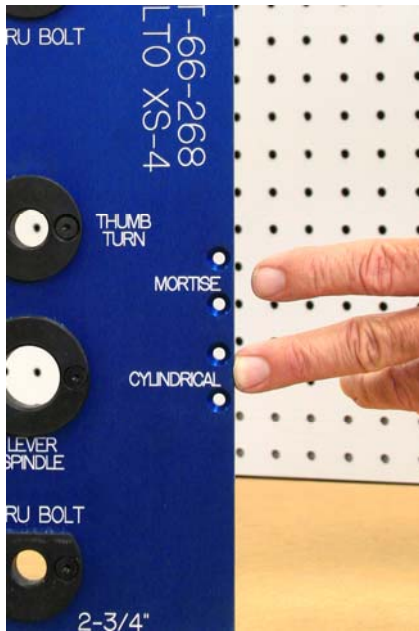
Since we are installing a cylindrical lock and the hole for the lever spindle is centered over the existing cross bore-hole, it is not needed.

Shown is a completed cylindrical installation.

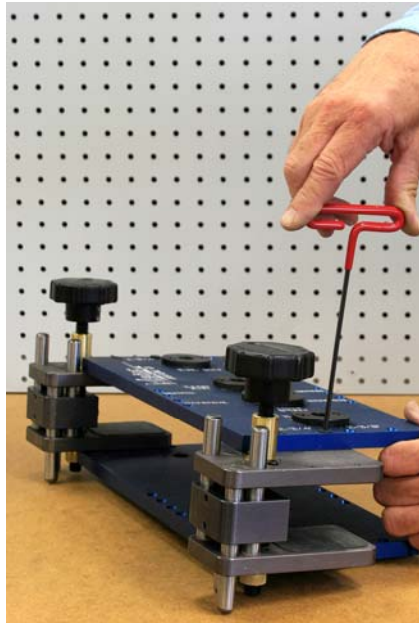
That' all there is to it!



Following is the installation guide for the SALTO XS
-4 mortise version.



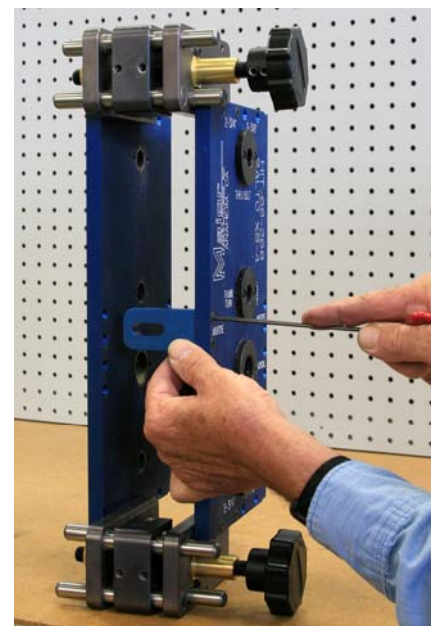
The HIT-66-268 drill guide for Salto XS-4 locks can be set up for use for both cylindrical and mortise locks. It is also adjustable for both 2-3/8" and 2-3/4" backsets.



With both clamps opened equally, install both inside and outside templates to the HIT-66 clamp as shown. There are two sets of mounting holes; one for 2-3/8" and one for 2-3/4" backset locks. Do not tighten the 10-32 screws at this time. When all screws have been loosely installed, then it is ok to tighten.



Install the yoke shape alignment guide with 2 10-32 screws as shown. Mount the guide in the holes marked mortise, it can be mounted on either side of the guide.





Shown at left is a standard mortise pocket, we will use this as a basis for the Salto XS-4 Mortise Lock install.

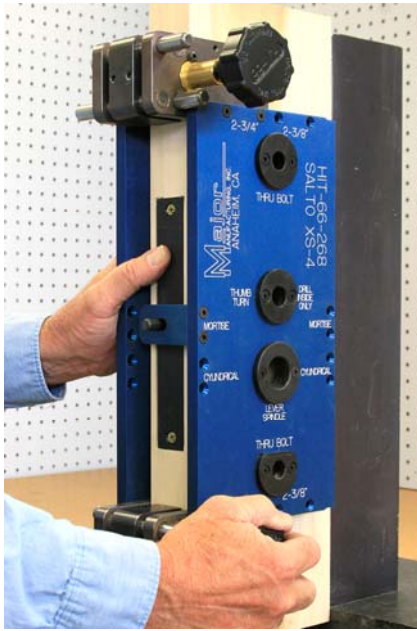


Install the mortise lock positioning plate. The plate will fit into the 1-1/4" x 8" faceplate cut out. There is 3/8" diameter pin centered on the plate. There is no top or bottom to worry about.

Use a center drill and drill the two holes that will mount the mortise body.

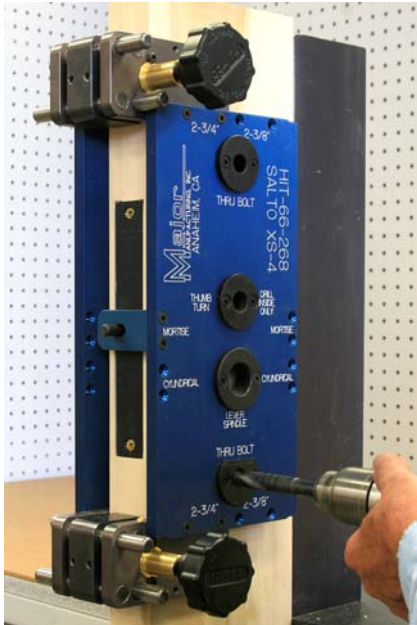


Last, install the two mortise lock screws to hold the plate during the install. This will also make the lock body easier to install when completed.

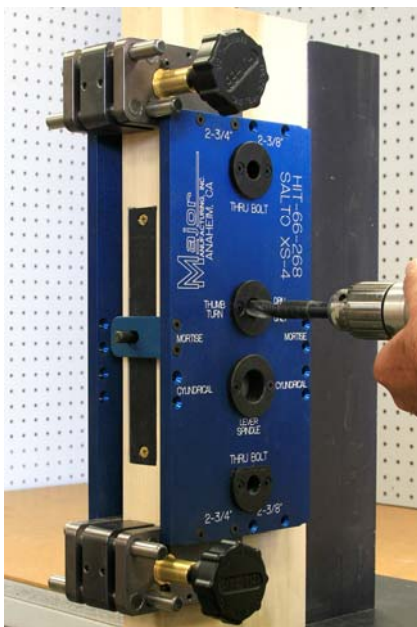
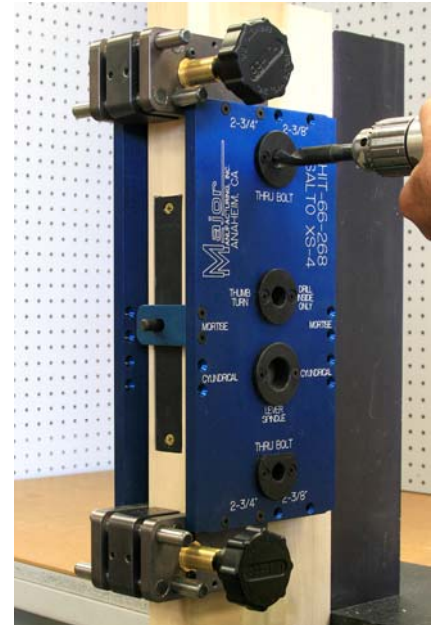


Slide the HIT-66 alignment fixture over the alignment pin and tighten to door.

Alternate tightening between the top and bottom clamp. Do not attempt to tighten one clamp all the way at once.



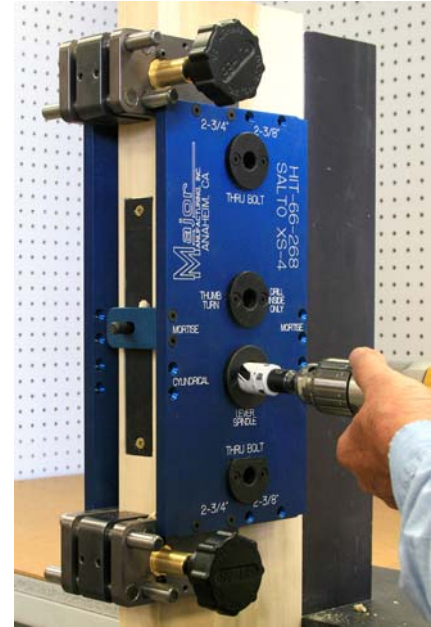
Using a 9/16" drill bit, drill the holes needed for the thru bolts. Drill the top and bottom holes half way from both sides of the door.



If the lock function you are installing requires a t-turn, drill a 5/8" hole to the mortise pocket on the inside only.



Drill the 1" hole for the lever spindle half way from both sides of the door, this hole will go to the mortise pocket. When all holes are drilled the clamp system can be removed from the door.



The completed installation is shown on the right.

That's all there is to it!!



Visit our web site at www.majormfg.com for more information on lock templates and a complete listing of all the tools we have available. While there, sign up for our newsletter and we will email new product information directly to you.