



WATER STREET
BRASS

Latch x Auxiliary Deadbolt, Key x Key - Escutcheon Assembly Installation

PREPARE THE DOOR

These instructions are for the installation of a passage latch and a key x key auxiliary deadbolt set on an escutcheon plate.

1. If your door is not pre-drilled for the latch and auxiliary dead bolt, use the provided template for the bolt. Mark hole locations on the door.

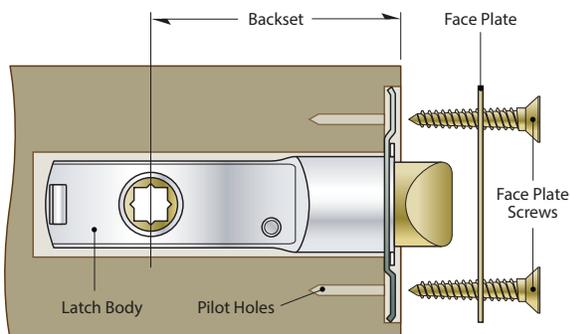
It is a good idea to lightly pencil a backset line on the interior side of the door, parallel to the door edge. Your spindle and deadbolt holes will all fall on this line.

2. Using the drill & bore sizes specified on the template, carefully drill the door. A minimum 1-5/8" cross bore is required to accommodate the toggle mechanism on the deadbolt.

If your hardware is using a spring assist mechanism, assure that the door has been routed sufficiently to accommodate the spring unit attached to the plate.

INSTALL THE LATCH & ESCUTCHEONS

3. Install the latch body and face plate into the door and secure loosely with the screws provided. Do not tighten completely at this time. You will need to check alignment and function after it has been installed.



CHECK ALIGNMENT AND FUNCTION

4. Begin by inserting the spindle through the spring assist unit on the interior plate and into lever. Tighten the lever set screw.
5. Locate the interior plate on the door surface, sliding the spindle through the latch. Make sure the spindle is centered in the latch body. **To prevent binding, we recommend the grooves in the spindle be facing up, away from the set screws.**

6. Carefully locate the exterior plate assembly on the spindle and onto the door. With both plates in place, you can now test that the latch does not bind.

Once satisfied that the alignment is proper, you can now tighten the face plate screws on the latch.

ATTACH THE PLATES TO THE DOOR

7. If the plates are surface mounted, mark the screw hole locations. Punch and drill pilot holes for all the surface mount screws and carefully install the screws.

(THROUGH BOLT LOCATIONS)

If your plates are using through bolts instead of surface mount screws, you will need to mark the location for the screws and drill two 9/32" holes in the door. Use the screw holes in the interior plate to determine the location. These holes will be centered on the backset line.

Carefully tighten the through bolts until the plates sit firmly in place.

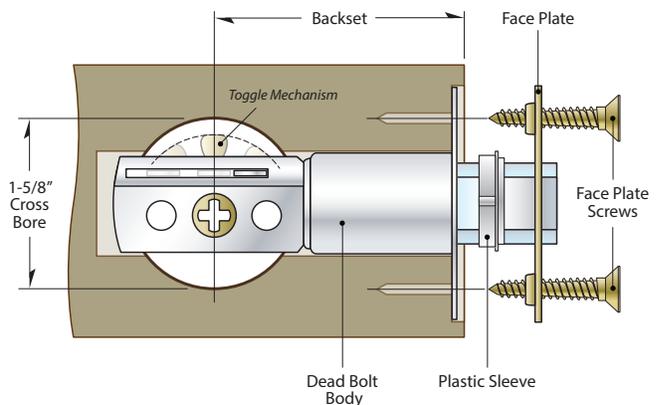
NOTE: Never use power tools to tighten the through bolts! Too much torque will strip the mounting attachments from the exterior plate!

Using the Allen Wrench provided, tighten the set screw on the exterior knob/lever firmly.

INSTALL THE DEAD BOLT

8. Install the dead bolt body with the plastic sleeve and face plate into the door and secure with the face plate screws provided.

Before installing the two deadbolt cylinders, slide the provided deadbolt bracket through the bolt body as shown on the assembly drawing. The legs should protrude from the interior side towards the exterior.





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9. When installing a double cylinders, you will note that each cylinder has a split, fork-like tail piece. Each will fit into the deadbolt in an interlocking manner.

10. Begin by inserting the exterior cylinder into a blocking ring, then insert these items in place on the exterior plate, with the tailpiece fitting into the deadbolt body **horizontally**.

11. Repeat step 10 with the interior cylinder and blocking ring, with the tailpiece oriented **vertically**. Secure the cylinders together with the two screws provided. The screw will pass through the interior cylinder and the dead bolt bracket, and screw into the exterior cylinder.

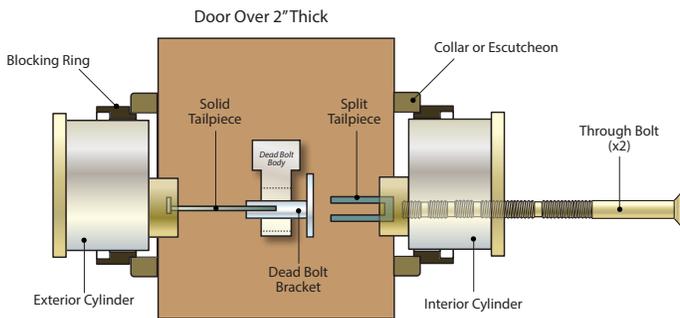
Note: The screws provided are intended for a wide range of door sizes. They will need to be measured and cut to the proper length for your door size.

12. Check each cylinder for proper function. If binding occurs, your alignment is probably off because the screws are too long or not tightened evenly. Check the length of each screw and cut down if necessary.

THICK DOOR APPLICATION

13. In thicker doors, instead of a split tailpiece the exterior cylinder will have a standard tailpiece. This will need to be cut to length at the time of installation.

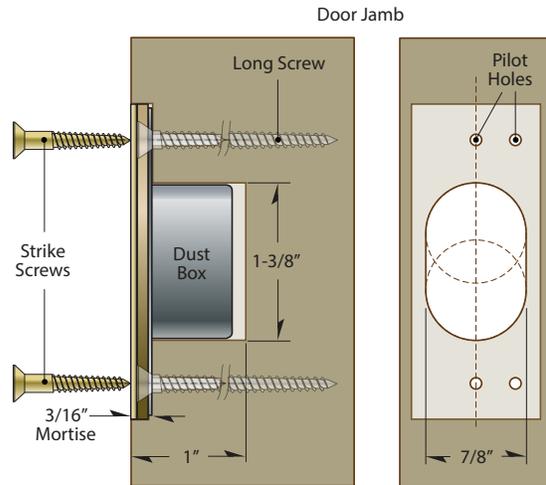
Carefully calculate the length the exterior tailpiece will need to be to engage with the split tailpiece, then cut to the appropriate length. Install the exterior cylinder as described in step 10 with the tailpiece fitting into the deadbolt body **horizontally**.



14. Refer to steps 11 and 12 above in order to complete your installation.

DOOR JAMB

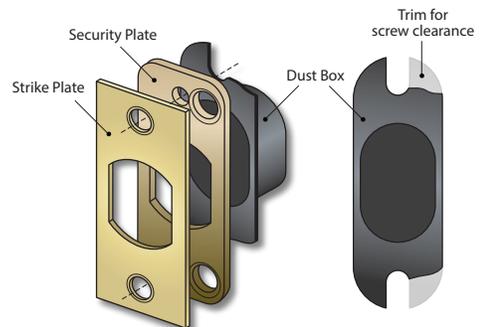
15. Carefully measure the jamb to determine the exact location that the lock bolt will land when the door is fully closed. Mark the location. Using the strike plate as a template, outline the shape and begin to mortise the door jamb $3/16"$ deep to accept the strike and security plate.



16. Mortise the dust box cavity as shown. Position the security plate in the jamb and mark the screw hole locations. Drill $1/8"$ diameter pilot holes for the screws.

Note The long screws should be positioned on the side of the plate closer to the center of the jamb.

17. Install the dust box and security plate. It will be helpful for you to trim the wings on the dust box so the long security screws pass through into the jamb and wall stud beyond.

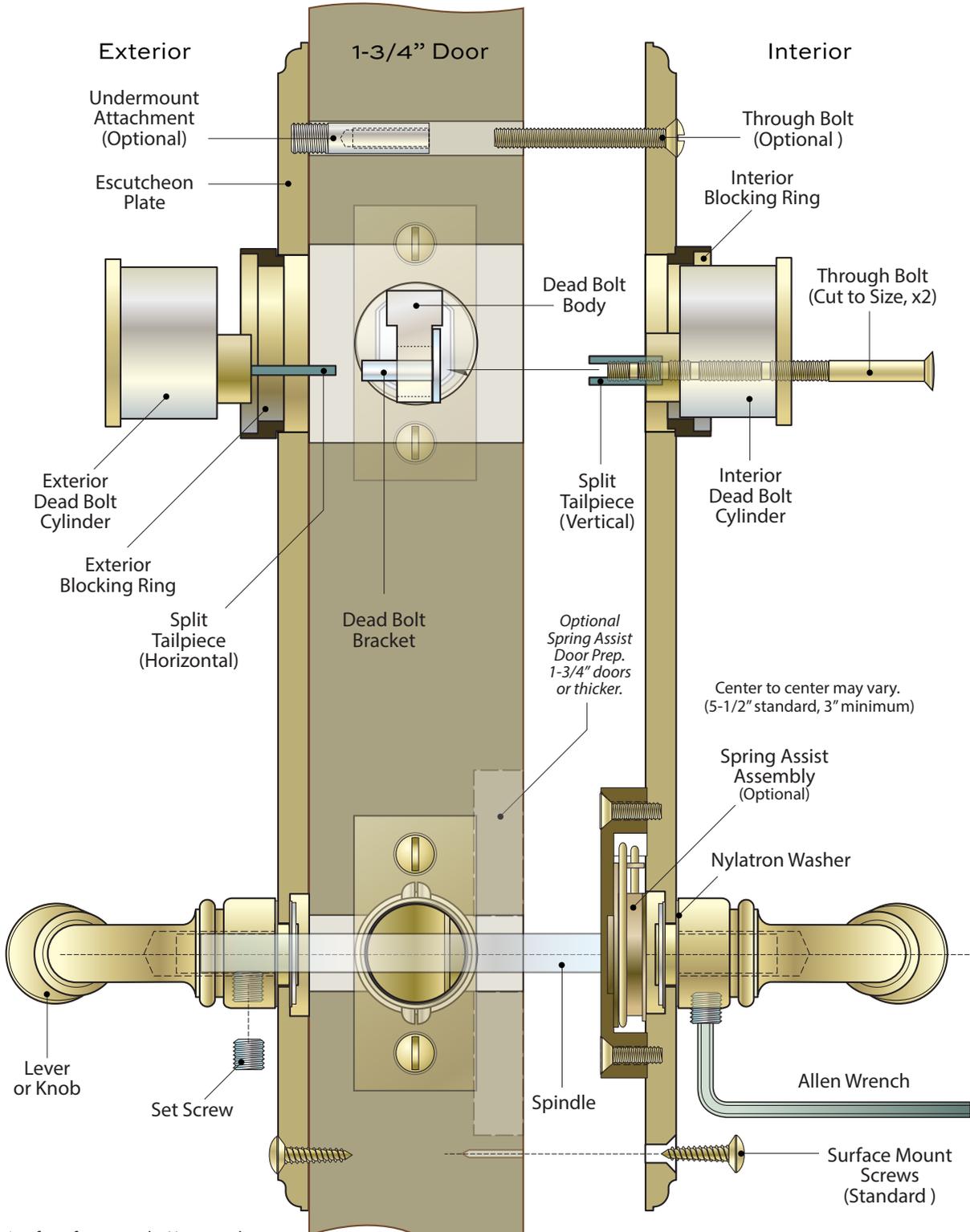


18. Finally, install the strike plate over top of the security plate, using the finished strike screws as shown.



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ASSEMBLY CROSS SECTION



Drawing for reference only; Not to scale.
Hardware may appear different than the drawings.