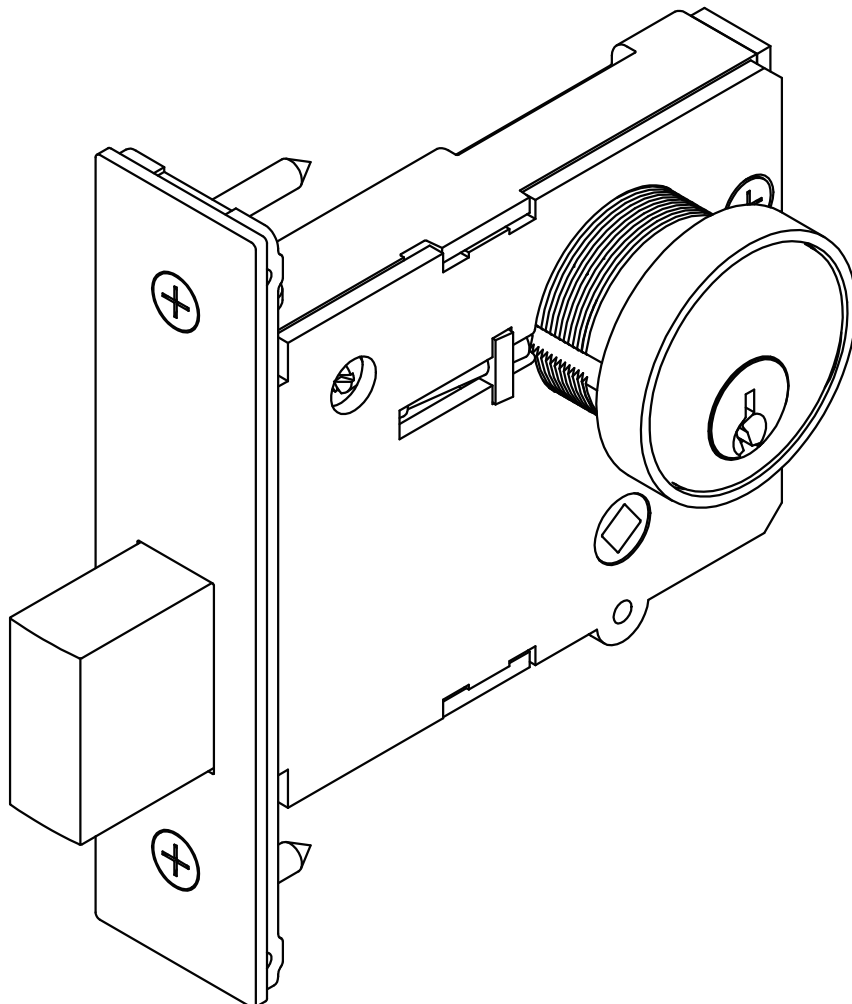


C20 Series

Dead Bolt Lock

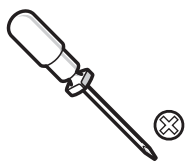


WARNING

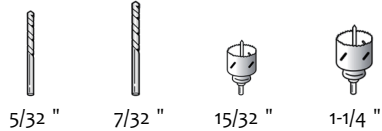
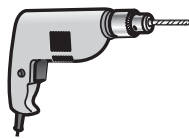
Installers should be aware that improper installation may cause product damage and void the factory warranty.

C20 Series

1 Tools Required



Phillips screwdriver



Drilling machine & heads



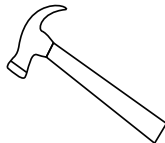
Chisel



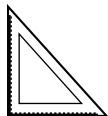
Pencil



Tape measure

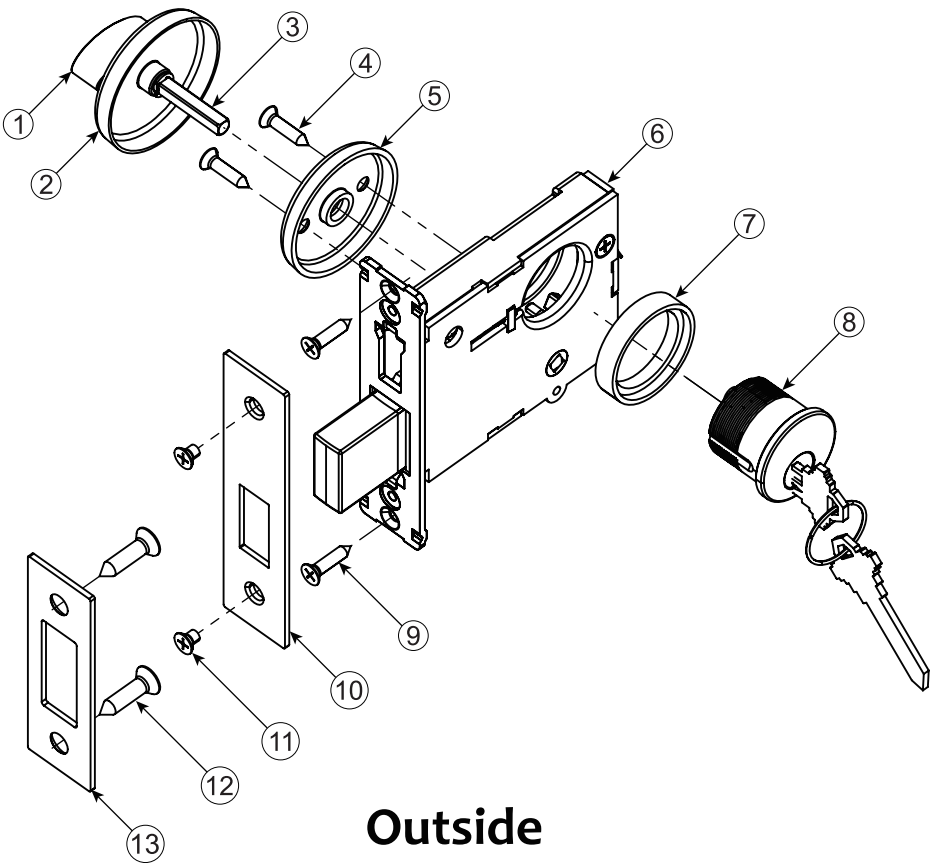


Hammer

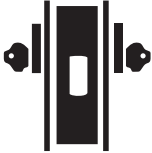


Set square

2 Product components



No.	Description
1	Thumb turn
2	Rose of thumb turn
3	Spindle
4	PH #8×1/2" wood screw
5	Mounting plate
6	Lock body
7	Cylinder spacer ring
8	Cylinder
9	PH #12-24×#12 or PH #8-32UNC×#8 screw
10	Face plate
11	PH #8-32UNC×1/4" screw
12	PH #12-24×3/4"×#12 wood screw
13	Strike

Picture	Model no.	ANSI no.	Function	Description	Outside	Inside
	C2017	F17	Entry	Deadbolt thrown or retracted by key outside or thumb turn inside	Cylinder	Turn
	C2016	F16	Jail	Deadbolt operated by key from either side	Cylinder	Cylinder
	C2029	F29	Classroom Handed	Deadbolt thrown or retracted by key from outside. Inside thumb turn cylinder retracts deadbolt but cannot project it	Cylinder	Turn
	C2018	F18	Storeroom	Deadbolt thrown or retracted by key from one side. No thumb turn on opposite side	Cylinder	Blank
	C2000	—	Passage	Dead bolt thrown or retracted by thumb turn from one side. No Cylinder on opposite side	Blank	Turn

Verify hand and bevel of door. Picture shown are as viewed from the outside or secure side of opening. (Figure 1)

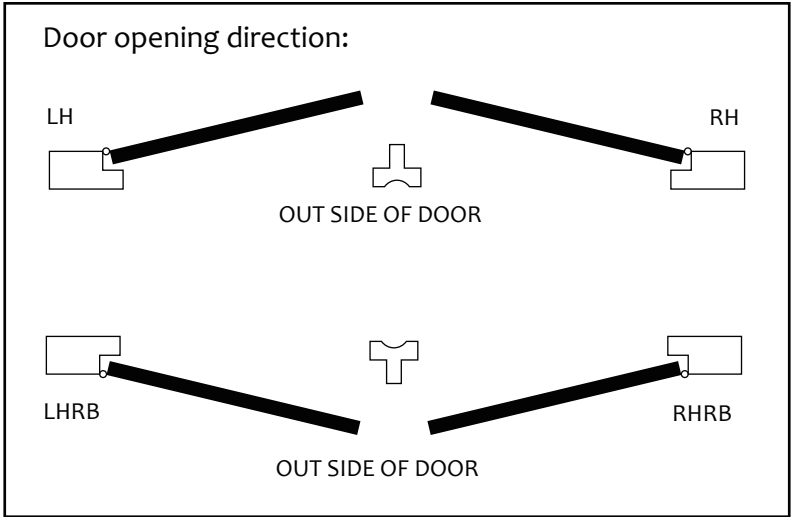


Figure 1

5 Door Preparation

a

Mark centerlines (Figure 2)

- Mark door thickness center line, ensure the centerline is equidistant from both edge.
- Mark the lock body horizontal centerline at the required height.
- Mark vertical center line for cylinder and thumb turn, and confirm the position.

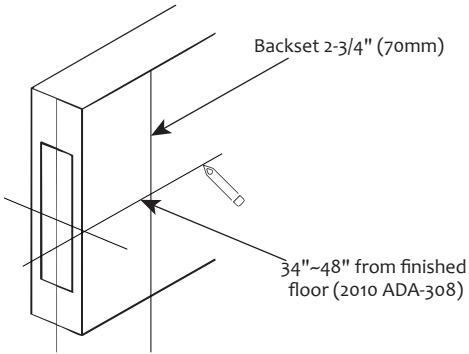


Figure 2

b

Mark the drill holes with template (Figure 3)

- Fold and apply template to the door, ensure the vertical baseline parallel to the door edge and is aligned with the center of the door thickness; refer to the upper and lower scale markings as needed.
- Verify that the horizontal baseline aligns with the marked lock center height.
- Mark all required hole positions for the lock body, cylinder and thumb turn.

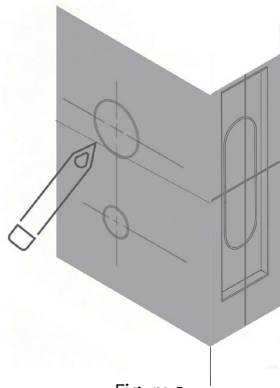


Figure 3

c

Mortising and drilling holes

Important:

Before drilling, determine which holes are required based on the lock function, and distinguish between through holes and blind holes.

Model no.	Outside cylinder hole	Inside cylinder hole	Inside thumb turn hole
C2017	✓	—	✓
C2016	✓ Through hole		—
C2029			
C2018	✓	—	—
C2000	—	—	✓ Inside or Outside

- Clear pocket 3-19/32"×13/16"×3-15/16" (91.1×20.5×100mm) for lock body. (Figure 4)
- Cutout 4-15/16"×1-3/16"×7/32" (125×29.5×5.2mm) for face plate.
- Drill 1-1/4" (31mm) hole for cylinder, and 15/32" (12mm) hole for thumb turn.

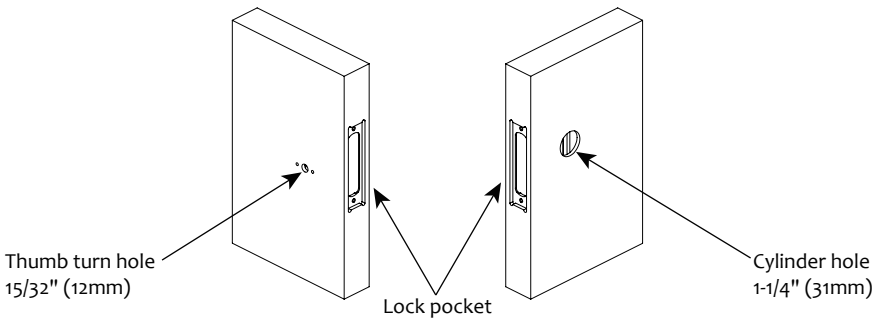


Figure 4

a Install lock body (Figure 5)

- Slide lock body into the door pocket
- Secure the lock with two wood/machine screws

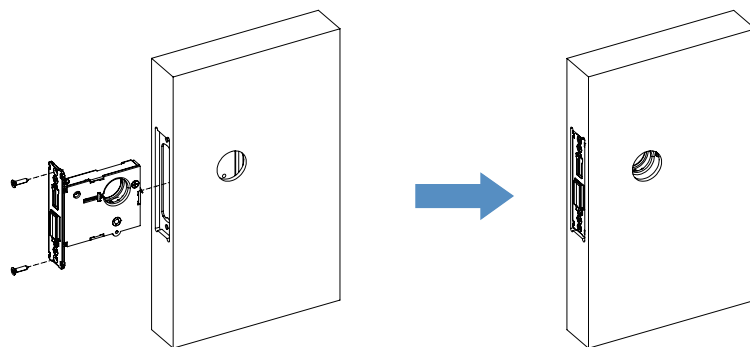


Figure 5

b Install cylinder C2017/C2016/C2029/C2018 (Figure 6)

- Install the cylinder spacer ring onto the cylinder, then insert and rotate the cylinder clockwise into the cylinder hole, ensuring the spacer is flush with the cylinder face.
- Tighten the cylinder with a Phillips screw driver.
- Verify the keyway orientation is correct, and use the key to check that the cylinder operates the deadbolt function smoothly.
- Repeat the procedure on C2016 & C2029 for inside cylinder.

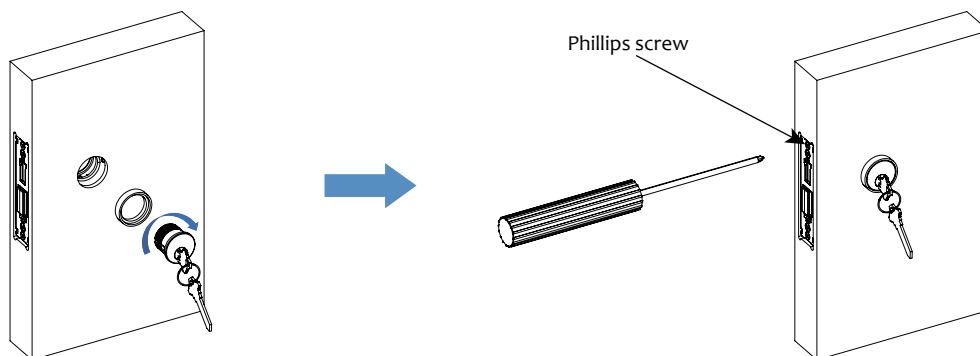


Figure 6

c Install thumb turn C2017/C2000 (Figure 7)

- Position the mounting plate on the thumb turn hole, fix it with 2 screws,
- Mount the thumb turn assembly by insert the spindle into the mounting plate.
- Rotate the rose clockwise to tight it.
- Test the thumb turn by hand, it should operate the deadbolt smoothly.

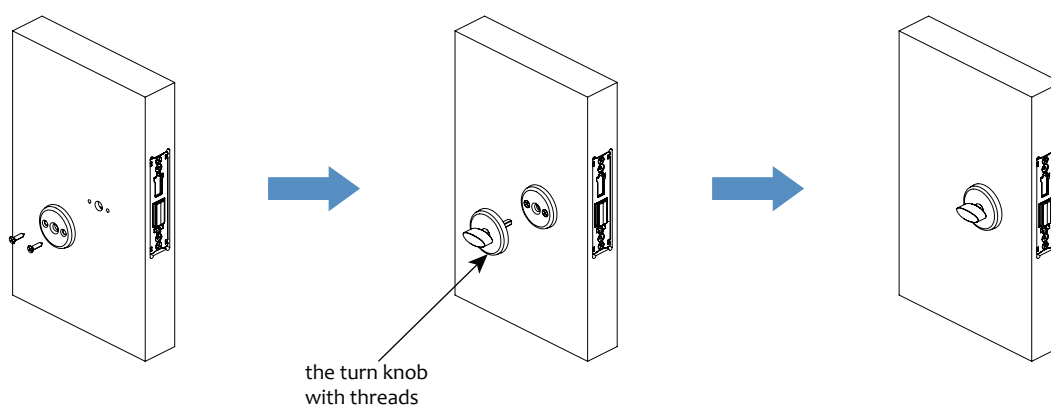


Figure 7

d Install face plate (Figure 8)

- Install the face plate on the lock front, and tight with two screws.

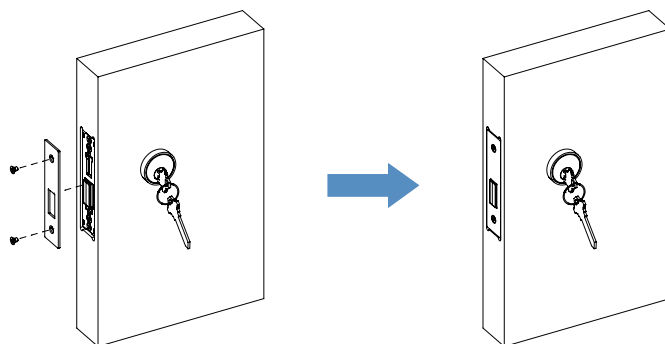


Figure 8

e Mortise and install strike (Figure 9)

- Mark centerline of strike align with the center line of deadbolt (not the lock case)
- ST-05: mortise pocket $1\text{-}37/64'' \times 43/64'' \times 1\text{-}1/8''$ ($40 \times 17 \times 28.5\text{mm}$), cutout $3\text{-}1/2'' \times 1\text{-}9/64'' \times 5/64''$ ($89 \times 29 \times 2\text{mm}$) for strike plate.
- ST-06: mortise pocket $2\text{-}1/16'' \times 1\text{-}23/64'' \times 1\text{-}1/8''$ ($52.2 \times 34.5 \times 28.5\text{mm}$), cutout $3\text{-}1/2'' \times 1\text{-}23/64'' \times 3/16''$ ($89 \times 34.5 \times 4\text{mm}$) for strike plate.
- Fix the strike with 2 screws, make sure that the dead bolt can be completely projected after the door is closed.

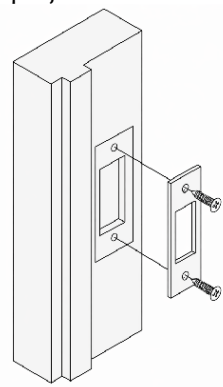


Figure 9

- ### a
- Insert and rotate the key (if equipped) to ensure if it can operate the deadbolt smoothly.

- ### b
- Operate the turn (if equipped) to ensure if it can operate the deadbolt smoothly.

Note:

- If any component does not operate smoothly, do not force it. Verify the correct orientation and make adjustments as necessary.
- Perform all function tests with the door open. Ensure all functions operate properly before closing the door.