

Installation Instructions

DB100 single / double cylinder deadbolt

1 Technical specifications

1.1 Caution

- For use on doors 1-3/8" [35] to 2" [51] thick.
- Service part number B91801 spacer rings required for 1-3/8" [35] doors. Ensure to specify the correct finish when ordering this product.
- Installation is the same for all models (EXCEPT DB181) regardless of illustrations shown.

NOTE: Regardless of cylinder ordered, you must use the tail piece supplied with this product.

1.2 Tools recommended

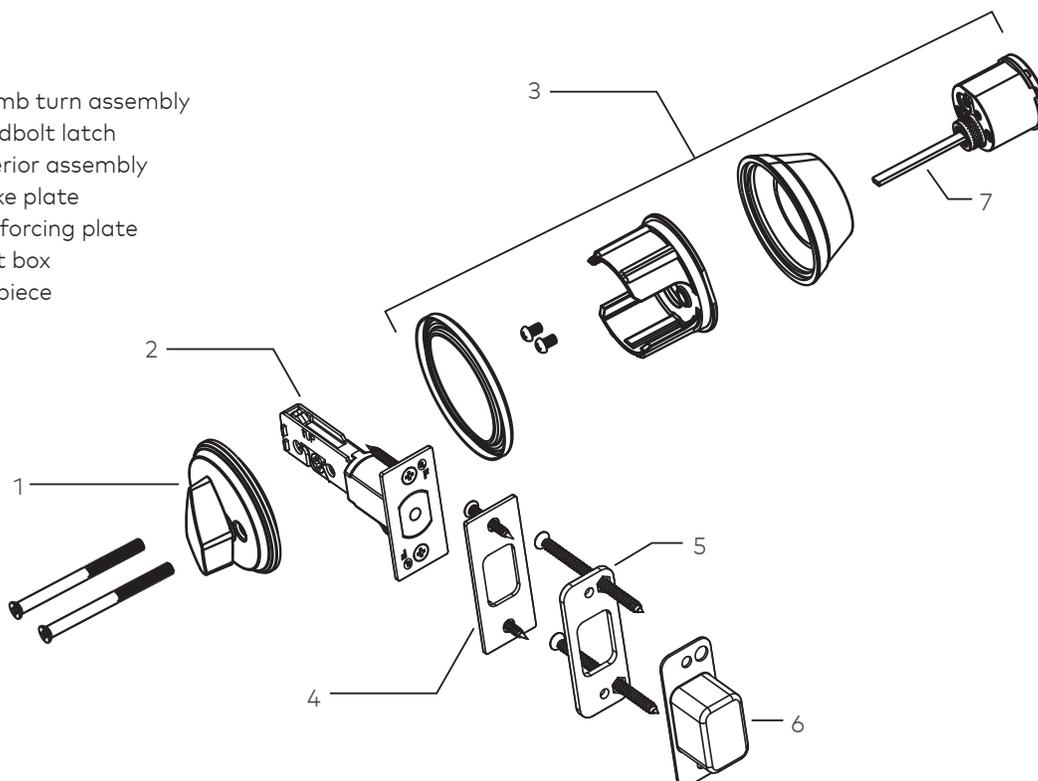
Table 1

Drill	#2 and #3 Phillips screwdriver
Drill bit: 3/32" [2.4]	Level
Drill bit: 1/8" [3]	Center punch
Spade bit: 1" [25.4]	Pencil
2-1/8" [54] hole saw	Tape measure
1" [25.4] wood chisel	1/16" [1.6] hex key

1.3 Overview

Fig.1

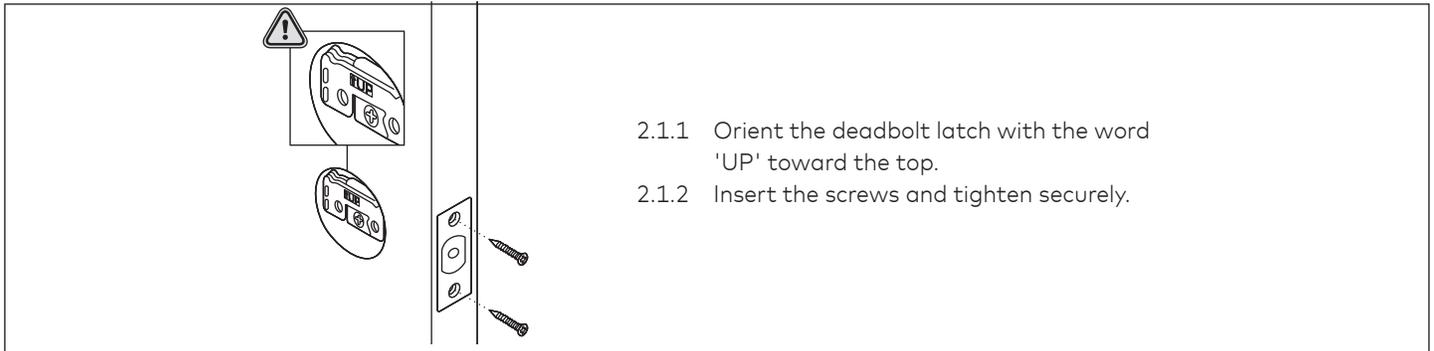
1. Thumb turn assembly
2. Deadbolt latch
3. Exterior assembly
4. Strike plate
5. Reinforcing plate
6. Dust box
7. Tail piece



2 Installation instructions

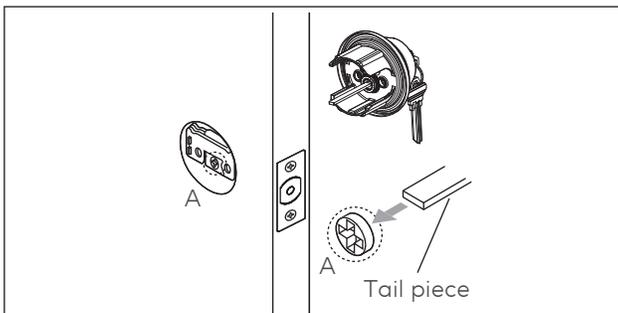
2.1 Install latch

Fig.1



2.2 Install single-cylinder model

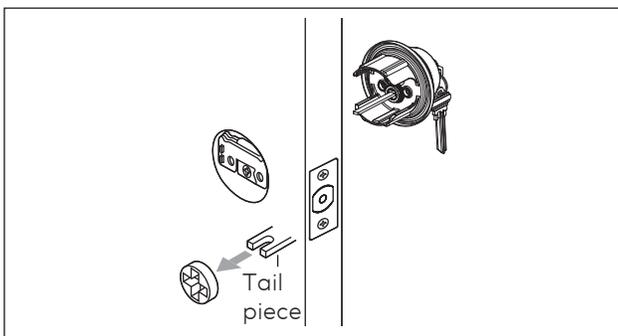
Fig.2



- 2.2.1 Retract the bolt of the latch to the unlocked position.
- 2.2.2 Install the exterior assembly making sure the tail piece enters the latch crank at a horizontal position and the keyhole is positioned properly.

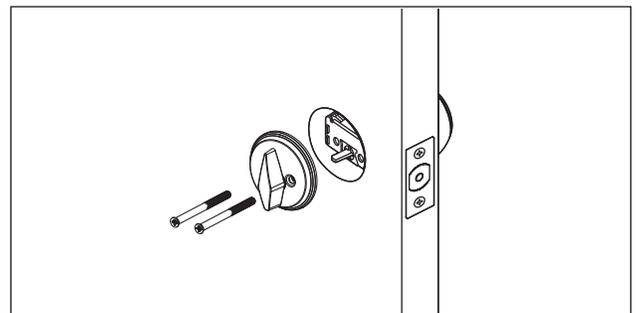
2.3 Install double-cylinder model

Fig.4



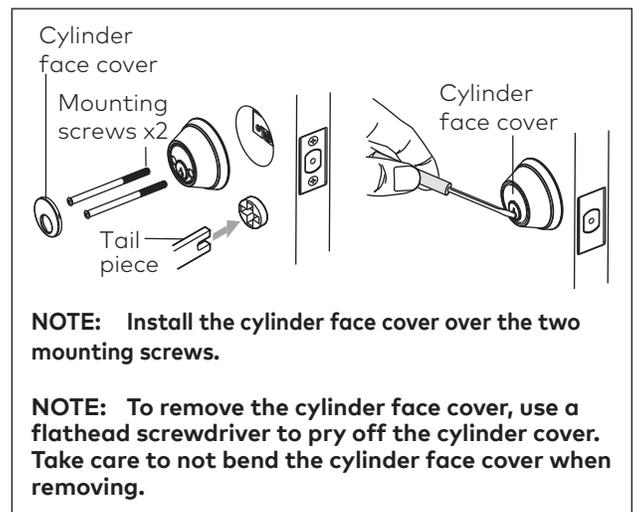
- 2.3.1 Retract the bolt of the latch to the unlocked position.
- 2.3.2 Install the exterior assembly making sure the tail piece enters the latch crank at a horizontal position and the keyhole is positioned properly.

Fig.3



- 2.2.3 Mount the turnpiece assembly on the door, aligning onto the tail piece.
- 2.2.4 Insert the screws, engaging the exterior assembly and tighten securely.

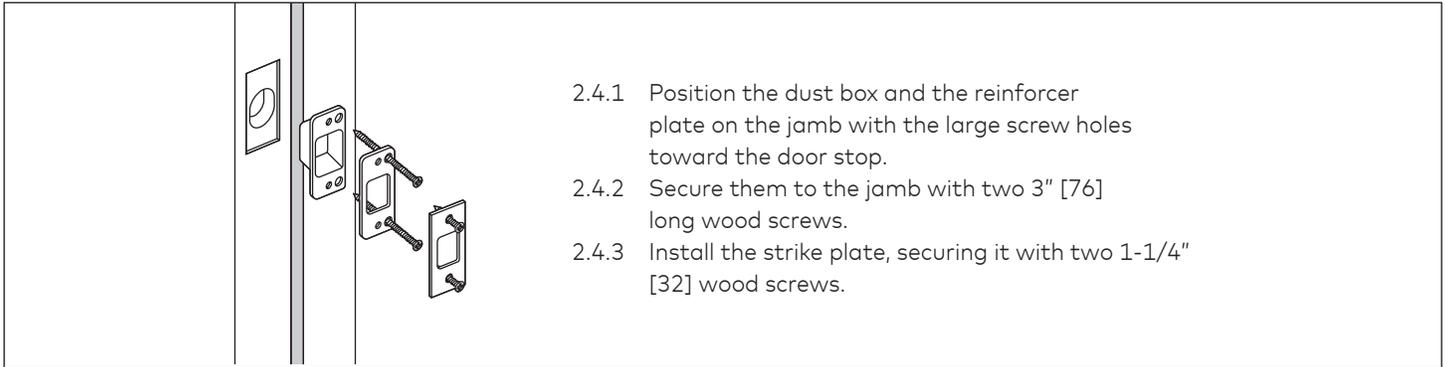
Fig.5



- 2.3.3 Mount the interior cylinder assembly on the door, inserting the tail piece into the latch crank at a vertical position.
- 2.3.4 Insert screws to engage exterior assembly and tighten securely.

2.4 Install strike

Fig.6

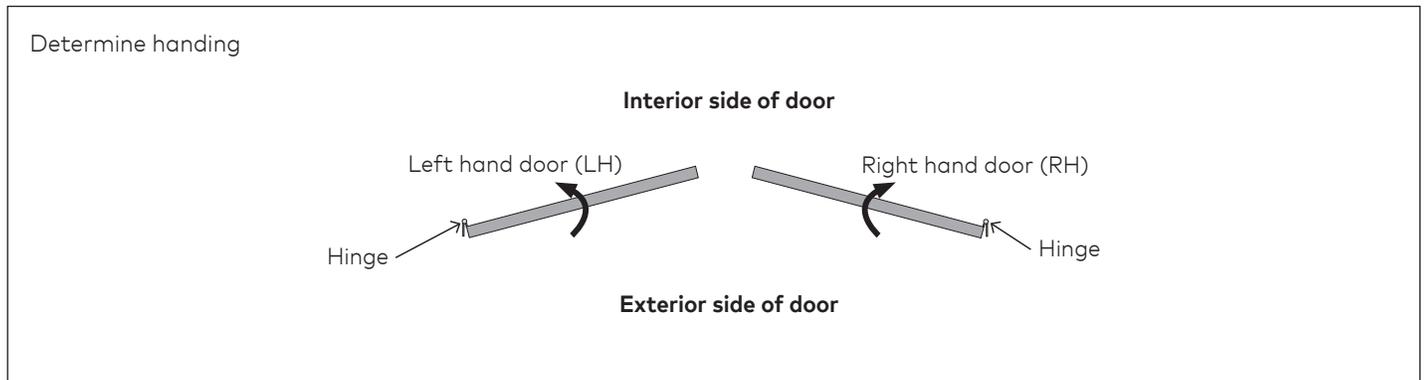


Supplemental Instructions

3 Classroom function installation instructions

3.1 How to reverse direction of deadbolt

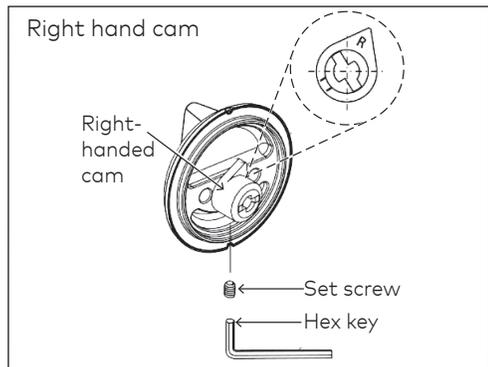
Fig.1



- 3.1.1 Stand outside the door and face the door.
- 3.1.2 Observe the hinges on the left hand side of the door.
The door is left-handed (LH).
- 3.1.3 Observe the hinges on the right hand side of the door.
The door is right-handed (RH).

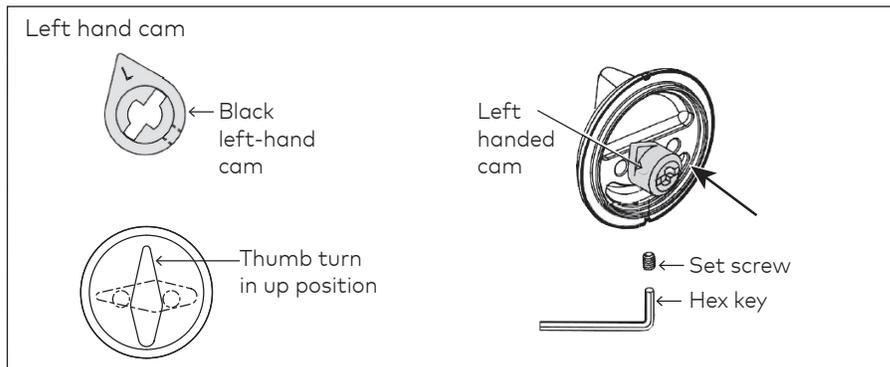
3.2 Remove right hand cam

Fig.2



3.3 Assemble left hand cam

Fig.3



NOTE: The classroom deadbolt is preset for right hand door mounting. To reverse the direction of the classroom deadbolt to left hand door mounting, follow these instructions.

3.2.1 Use a 1/16 [1.6] hex key to loosen the set screw and remove the preset right hand cam from the turnpiece assembly.

3.3.1 Locate the black left hand cam.

3.3.2 Ensure the thumb turn is oriented "UP".

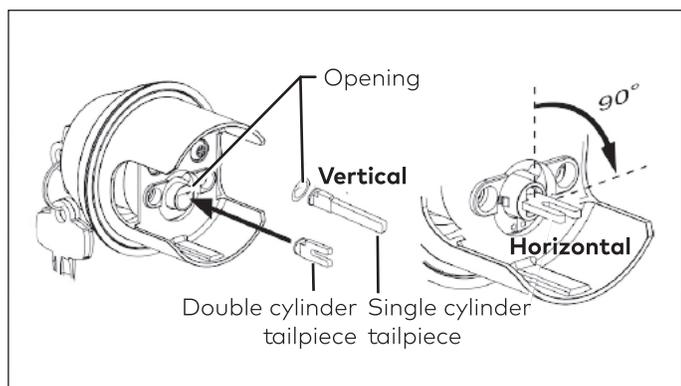
3.3.3 Slide the black left hand cam over the stem.

3.3.4 Use a 1/16 [1.6] hex key to secure the set screw and tighten securely.

4 IC cylinder tailpiece instructions

4.1 How to insert exterior tailpiece

Fig.1

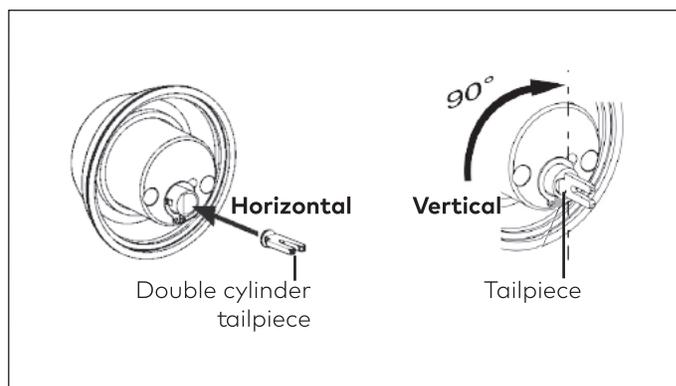


4.1.1 Insert the tailpiece in a vertical position—perpendicular to the flat of the opening.

4.1.2 Rotate the tailpiece piece 90° clockwise to a horizontal position.

4.2 How to insert interior tailpiece

Fig.2



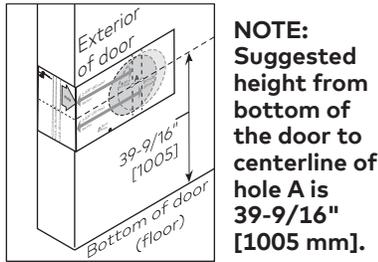
4.2.1 Insert the tailpiece in a horizontal position—perpendicular to the flat of the opening.

4.2.2 Rotate the tailpiece piece 90° clockwise to a vertical position.

5 Drilling and door prep instructions

5.1 Select template

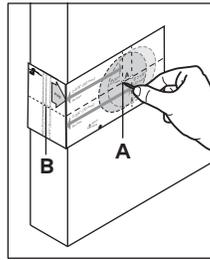
Fig.1



- 5.1.1 Select the appropriate template.
- 5.1.2 Fold the template and place it in position on the high edge of the door bevel.

5.2 Center punch holes

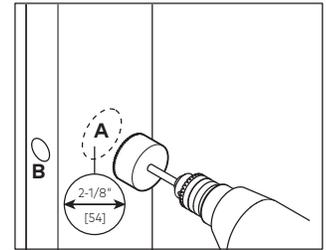
Fig.2



- 5.2.1 Determine the backset of the deadbolt latch and center punch hole A.
- 5.2.2 Determine the drill point of the center of the door edge and center punch hole B.

5.3 Drill hole A

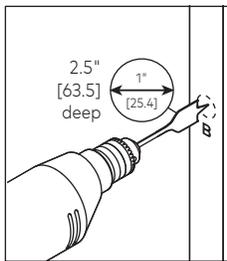
Fig.3



- 5.3.1 Drill a 2-1/8" [54] dia. hole on the door face from both sides to center of the door to avoid wood splitting.

5.4 Drill hole B

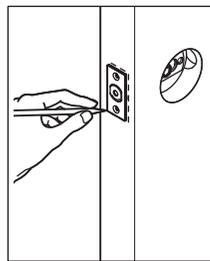
Fig.4



- 5.4.1 Drill a 1" [25.4] dia. hole, 2.5" [63.5] deep for hole B.

5.5 Trace faceplate

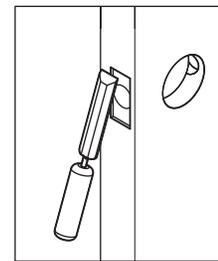
Fig.5



- 5.5.1 Trace the outline of the faceplate and remove the latch.

5.6 Chisel mortise area

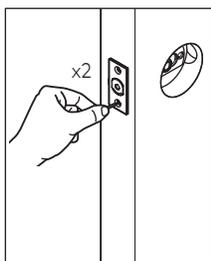
Fig.6



- 5.6.1 Chisel to a depth of 1/4" [6.4] or until the faceplate is flush with the door edge.

5.7 Mark holes

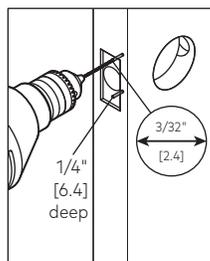
Fig.7



- 5.7.1 Position the faceplate on the door edge and mark the two screw holes.

5.8 Drill faceplate holes

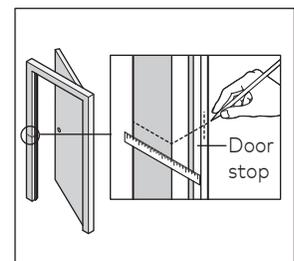
Fig.8



- 5.8.1 Drill two 3/32" [2.4] dia. holes, 1/4" [6.4] deep.

5.9 Mark center of strike

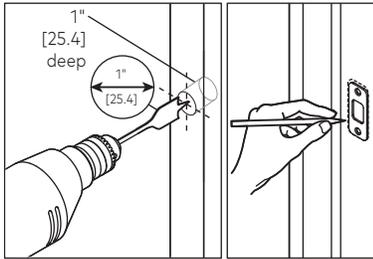
Fig.9



- 5.9.1 Locate and mark the center of the strike by measuring back from the door stop, 1/2 the thickness of the door.

5.10 Drill strike hole Trace strike outline

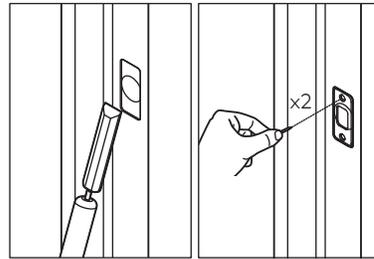
Fig.10



- 5.10.1 Drill a 1" [25.4] dia. hole, 1" [25.4] deep.
- 5.10.2 Trace the outline of the strike.

5.11 Chisel mortise area Mark holes

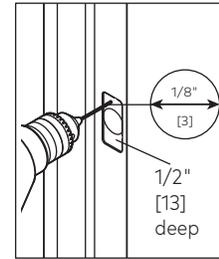
Fig.11



- 5.11.1 Chisel to a depth of 3/32" [2.4] or until the strike is flush with the door jamb.
- 5.11.2 Position the strike on the door jamb and mark the two screw holes.

5.12 Drill strike holes

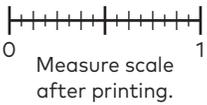
Fig.12



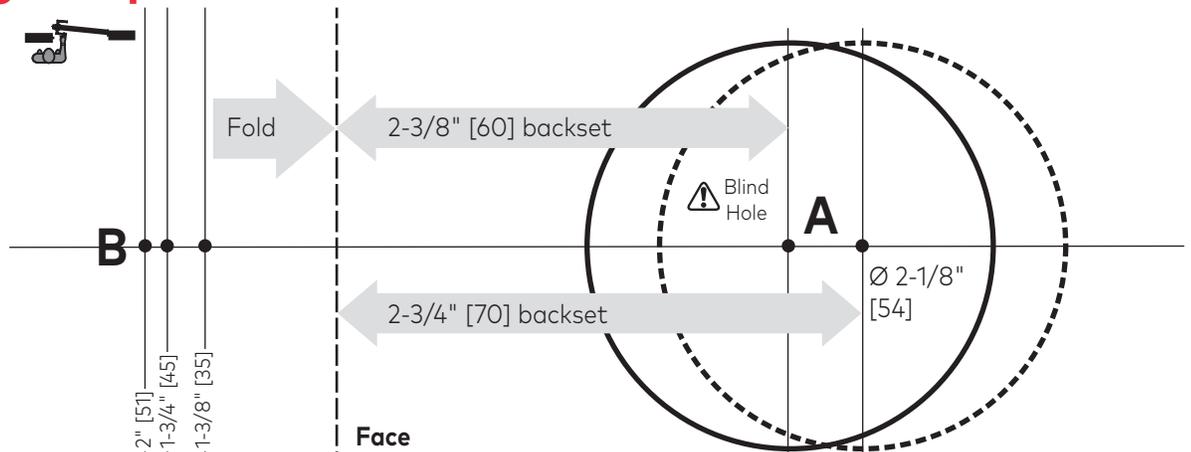
- 5.12.1 Drill two 1/8" [3] dia. holes, 1/2" [12.7] deep.

6 Drilling template

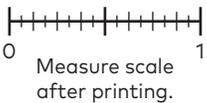
Verify exactly
1" [25.4].



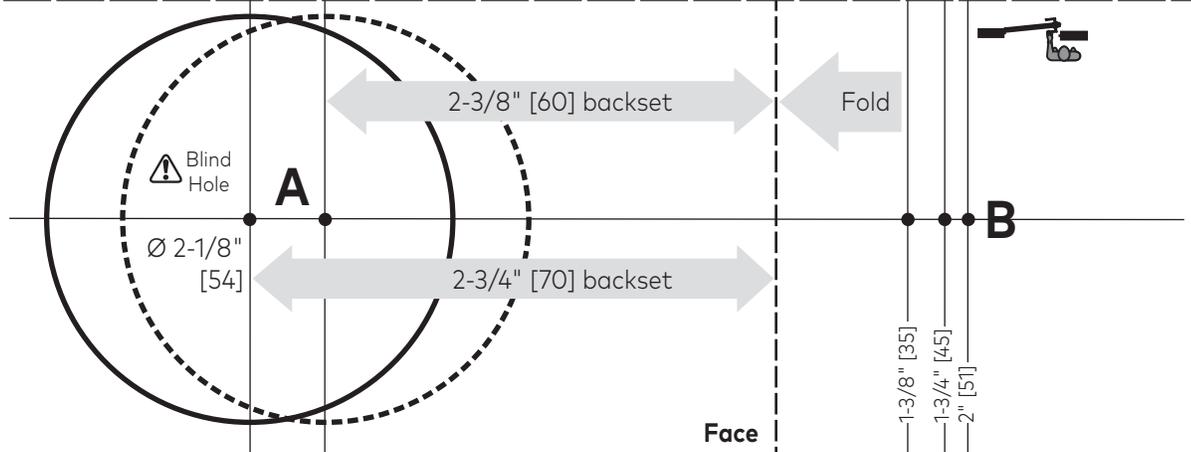
Template to scale
1: 1, full size.



Verify exactly
1" [25.4].



Template to scale
1: 1, full size.



For online instructions visit:
<https://dhwsupport.dormakaba.com/hc/en-us>
 For assistance or warranty information:
 Call 1-800-392-5209 or visit
<https://dhwsupport.dormakaba.com/hc/en-us>