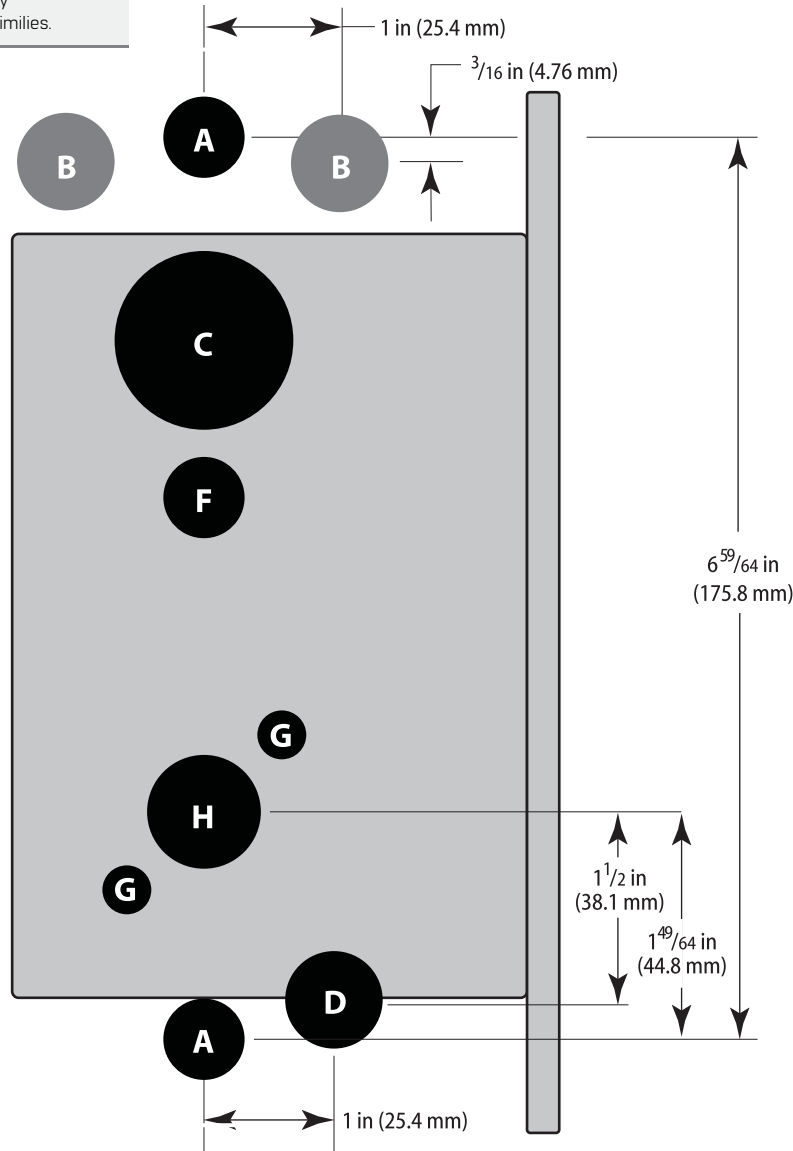


Installation Template for 45HM IDH Max Mortise Locks

Template Number: W28 **Series:** 45HM
Backset: 2 3/4" **Trim Style:** MS, PH, PM
Door Thickness: 1 3/4" - 3"
NOTE: To ensure accurate door preparation, use only factory-printed templates. Do not use copies or facsimilies.

Select, mark, and drill holes

- 1 Refer to the *Holes by Function* table and the figure below to determine the holes to be drilled for the lock function and trim combination.
- 2 Determine the inside and outside, hand, and bevel of the door.
- 3 Position one of the door edge templates on the door, making sure that the lock case mortise shown on the template aligns with the mortise pocket prepared in the door. Tape the template to the door.
Note: For metal doors, see the *W29 Template* (T81630).
- 4 Using the centerlines on the door edge template as a guide, position the appropriate door template on each side of the door. You need to take the bevel into account. Tape the templates to the door.
- 5 Center punch the appropriate drill points.
- 6 Drill the holes. See the Installation Instructions.



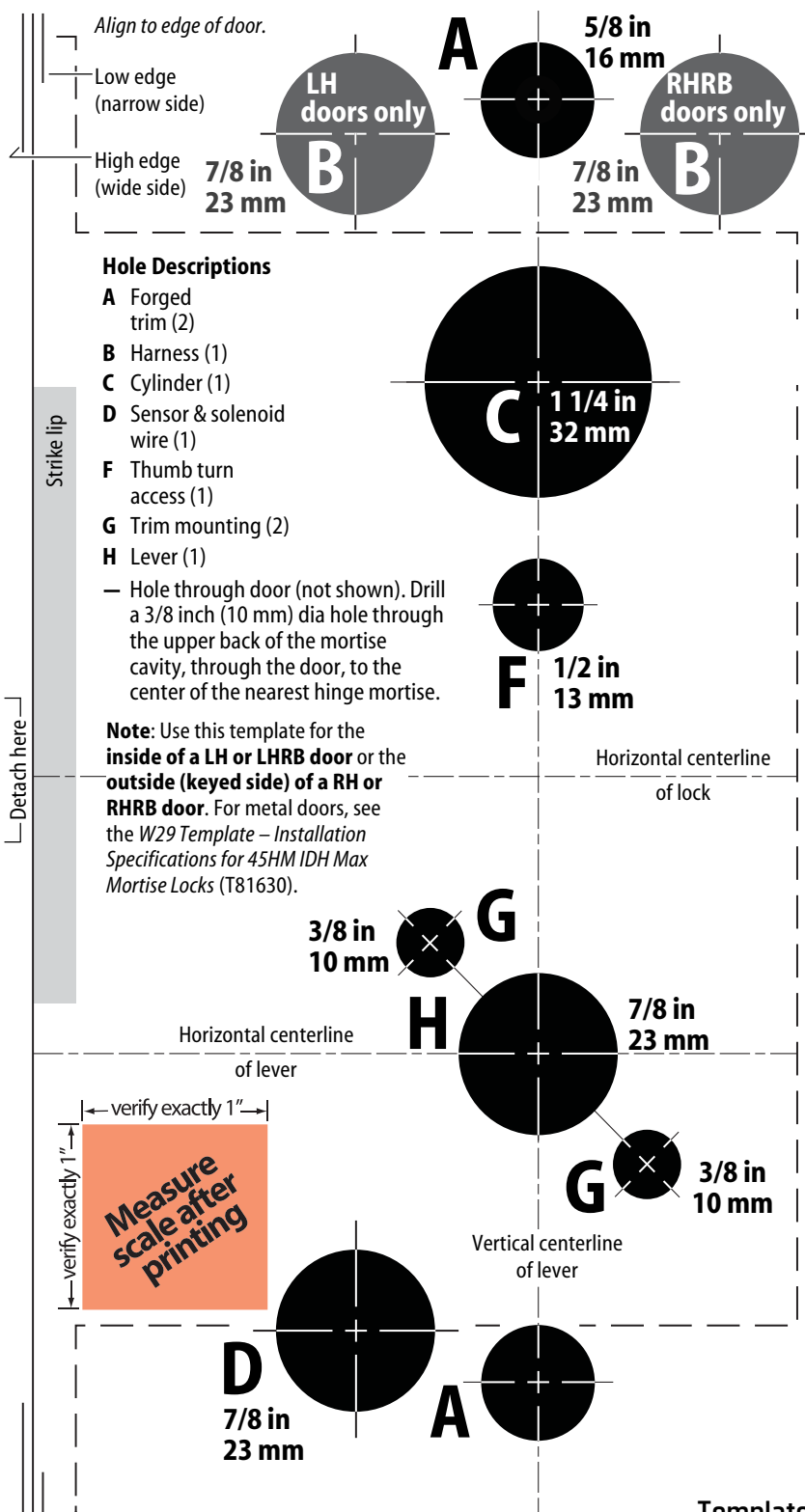
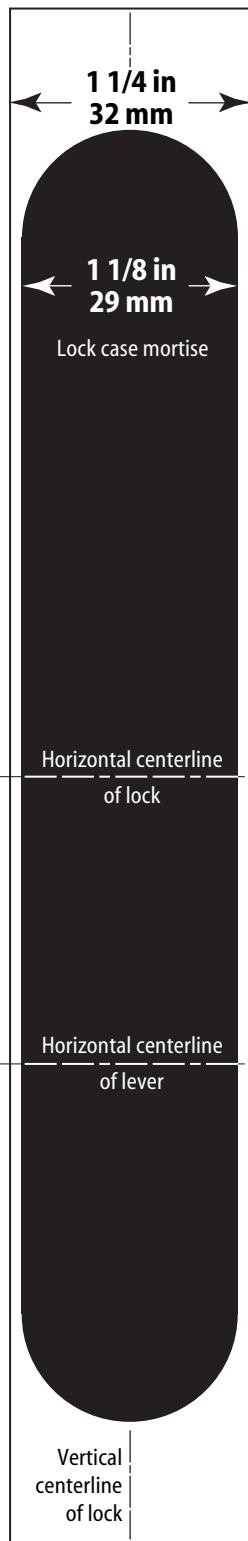
* Trim hole pattern, not to scale

Holes by Function

Holes to drill	DEL/DEU		LEL/LEU		NXEL/NXEU		TDEL/TDEU	
	I/S	O/S	I/S	O/S	I/S	O/S	I/S	O/S
A Forged trim (2 holes)	Through door	Through door	Through door	Through door	Through door	Through door	Through door	Through door
B Harness (1 hole only)	Through door	Through door	Through door	Through door	Through door	Through door	Through door	Through door
C Cylinder †	■						■	
D Sensor & solenoid wire †	■		■		■		■	
F Thumb turn †			■	■				
G Trim mounting (2 holes) †	Through door	Through door	Through door	Through door	Through door	Through door	Through door	Through door
H Lever †	Through door	Through door	Through door	Through door	Through door	Through door	Through door	Through door

† Because these holes pass through the mortise pocket, it is recommended that each hole be drilled separately rather than straight through.

Template scale is 100%

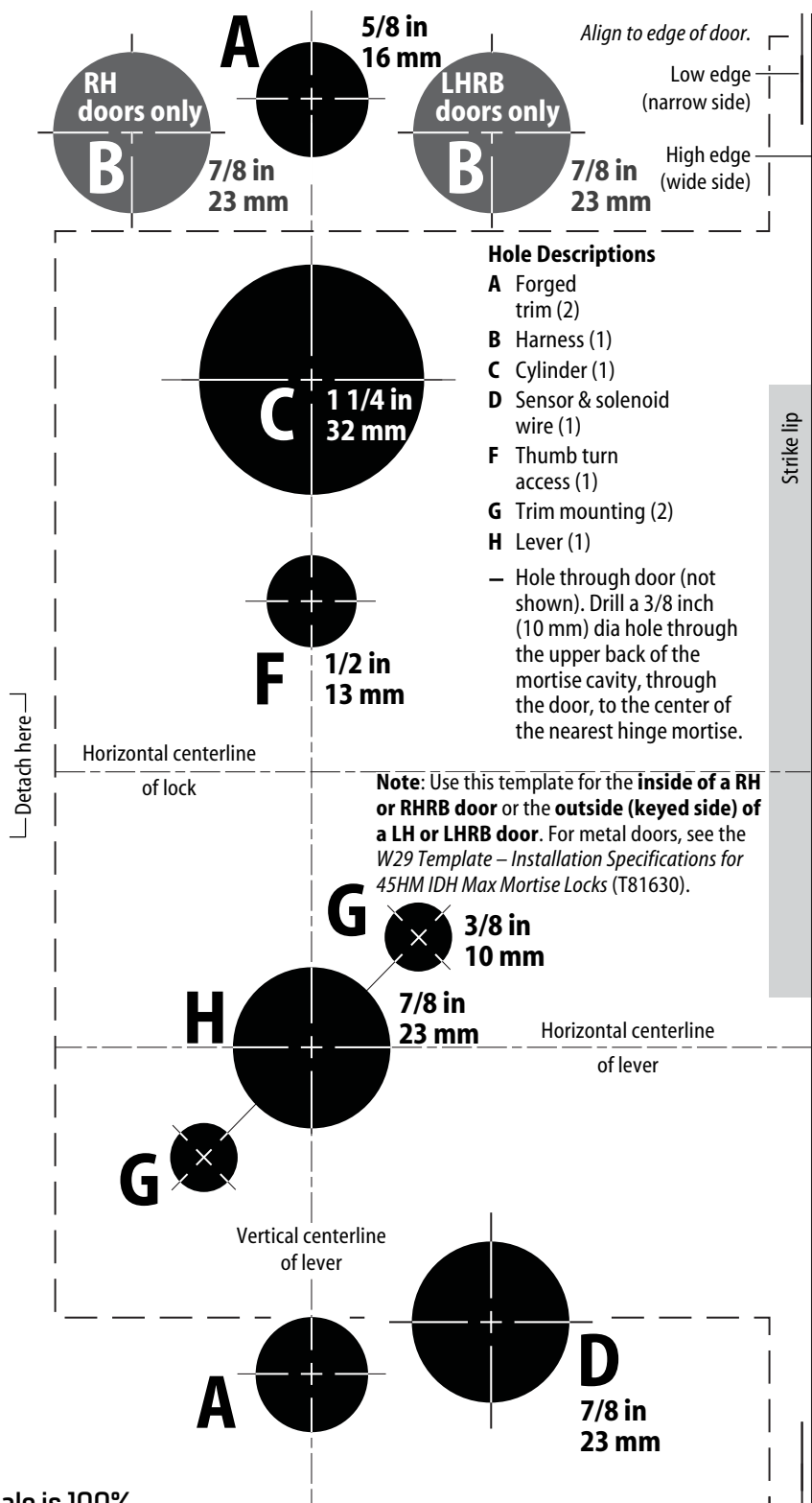


Hole Descriptions

- A** Forged trim (2)
 - B** Harness (1)
 - C** Cylinder (1)
 - D** Sensor & solenoid wire (1)
 - F** Thumb turn access (1)
 - G** Trim mounting (2)
 - H** Lever (1)
- Hole through door (not shown). Drill a 3/8 inch (10 mm) dia hole through the upper back of the mortise cavity, through the door, to the center of the nearest hinge mortise.

Note: Use this template for the **inside of a LH or LHRB door** or the **outside (keyed side) of a RH or RHRB door**. For metal doors, see the *W29 Template – Installation Specifications for 45HM IDH Max Mortise Locks (T81630)*.

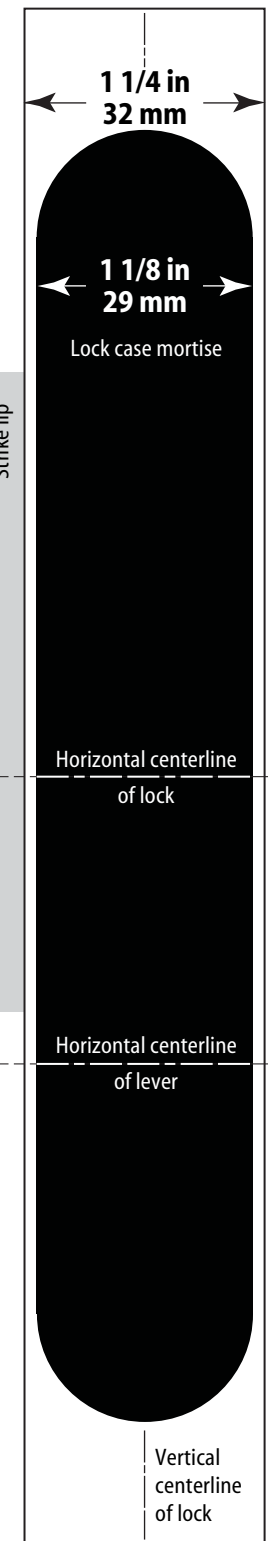
Template scale is 100%



Hole Descriptions

- A** Forged trim (2)
 - B** Harness (1)
 - C** Cylinder (1)
 - D** Sensor & solenoid wire (1)
 - F** Thumb turn access (1)
 - G** Trim mounting (2)
 - H** Lever (1)
- Hole through door (not shown). Drill a 3/8 inch (10 mm) dia hole through the upper back of the mortise cavity, through the door, to the center of the nearest hinge mortise.

Note: Use this template for the **inside of a RH or RHRB door** or the **outside (keyed side) of a LH or LHRB door**. For metal doors, see the *W29 Template – Installation Specifications for 45HM IDH Max Mortise Locks (T81630)*.



Vertical centerline of lock