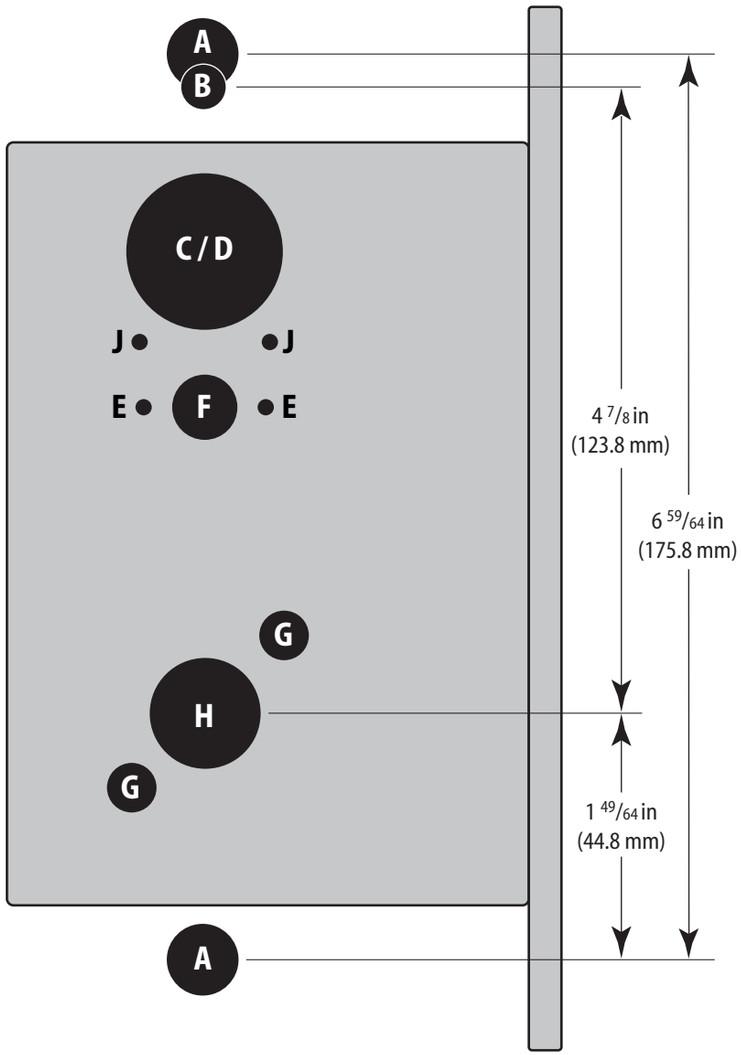
Select, mark, and drill holes

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 *H16 Template* (T81166) or the *H19 Template* (T81611).
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 for 45H & 47H Mortise Locks* (T81162) or the *Installation Instructions for 45HW & 47HW Electrified Mortise Locks* (T81612).

   Note: For electrified locks that require concealed wiring, a 3/8" diameter channel through the door is required.



Title						
Installation Template for 45H & 47H Mortise Locks and 45HW & 47HW Electrified Mortise Locks					**BEST ACCESS SYSTEMS**	
Series	Backset	Trim style	Door thickness	Rev date	Template number	Rev
45H & 47H 45HW & 47HW	2 3/4"	H, J, M, N, R, S	1 3/4"	7/2006	H15	A

To ensure accurate door preparation, use only factory-printed templates. Do not use copies or facsimiles. T81163/Rev A 1904683 ER-7991-42 July 2006

Holes by Function

Holes to drill	Functions																					
	A, D, R, RHB, B5, DEL, DEU		AB, AT, B, BA, BW, HJ, T, TA, TD, TDEL, TDEU		AD		C, CHB, G, IND, INL, S, W, B7, TWEL, TWEU, WEL, WEU,		H		L, LB, LT, LEL, LEU		N, NX, NXEL, NXEU		RD, WD		YD		1DT, 2DT	
	I/S	O/S	I/S	O/S	I/S	O/S	I/S	O/S	I/S	O/S	I/S	O/S	I/S	O/S	I/S	O/S	I/S	O/S	I/S	O/S
A M & N forged trim (2 holes) *	Through door		Through door		Through door		Through door		Through door		Through door		Through door		Through door		Through door		Through door †	
B J trim *	Through door		Through door				Through door		Through door		Through door		Through door						Through door †	
C Standard cylinder *or* **D** High security cylinder ‡		■		■		■	■	■		■						■		■		
E H, R, & S trim thumb turn mounting screw (2 holes) *			■		■				■		■		■							
F Emergency key / thumb turn access			■		■				■		■			■						
G Trim mounting (2 holes) ††	■	■	■	■			■	■	■	■	■	■	■	■					■ †	■
H Lever ††	■	■	■	■			■	■	■	■	■	■	■	■						
J H & R trim visual indicator mounting screw (2 holes)*										■										

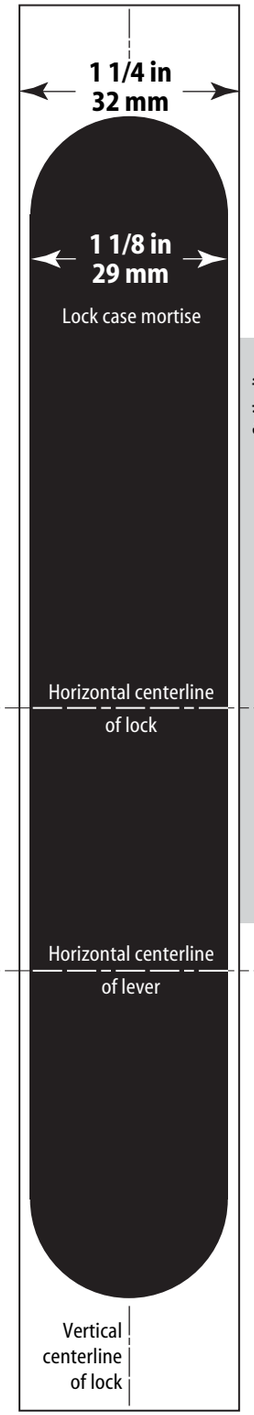
* Determine trim holes based on trim type.
For trim outside only functions (such as ZD and ZR) and trim inside only functions (such as XD and XR), prepare surface mount trim holes on the trim side of the door as needed.

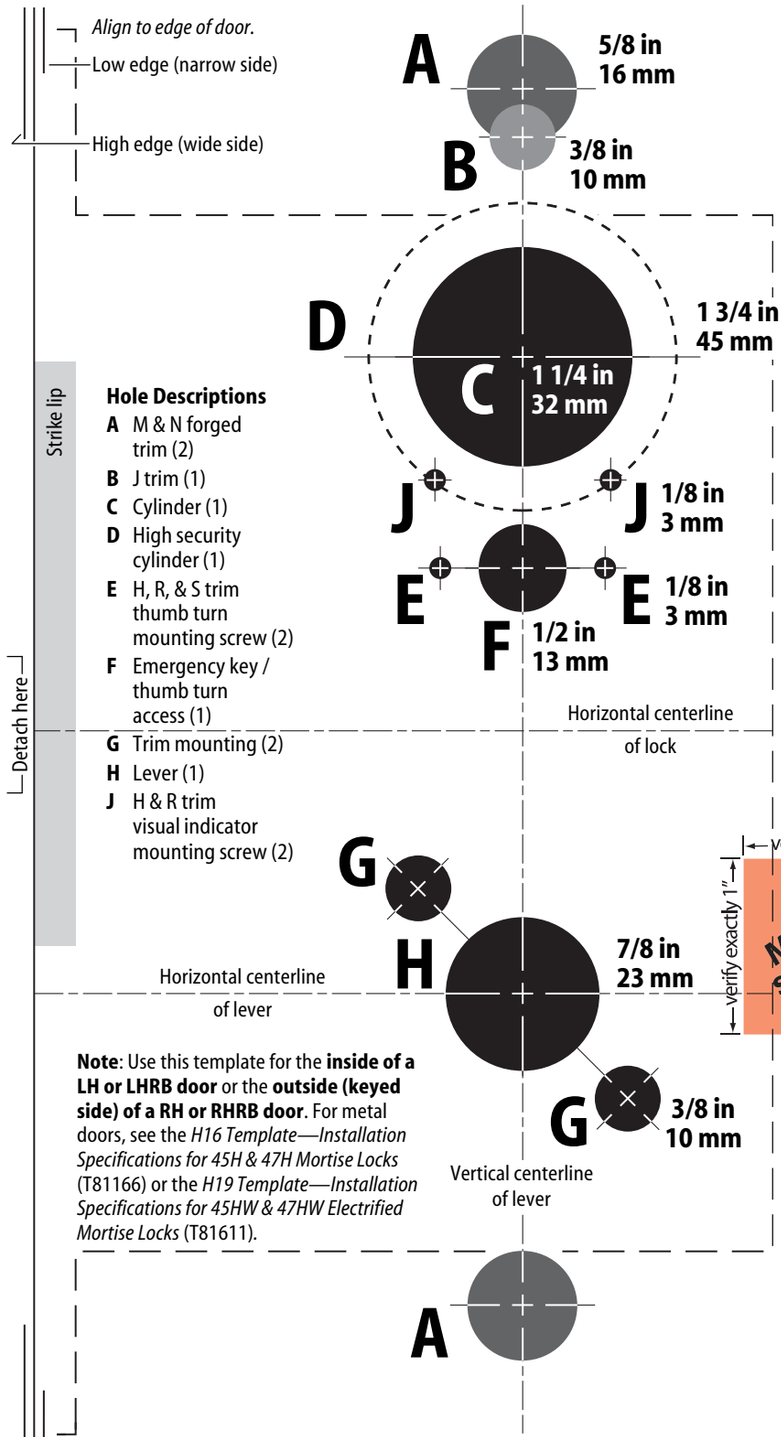
† For 1DT, drill 7/64 in. (11 mm) holes halfway into the door at the centerpoints indicated.

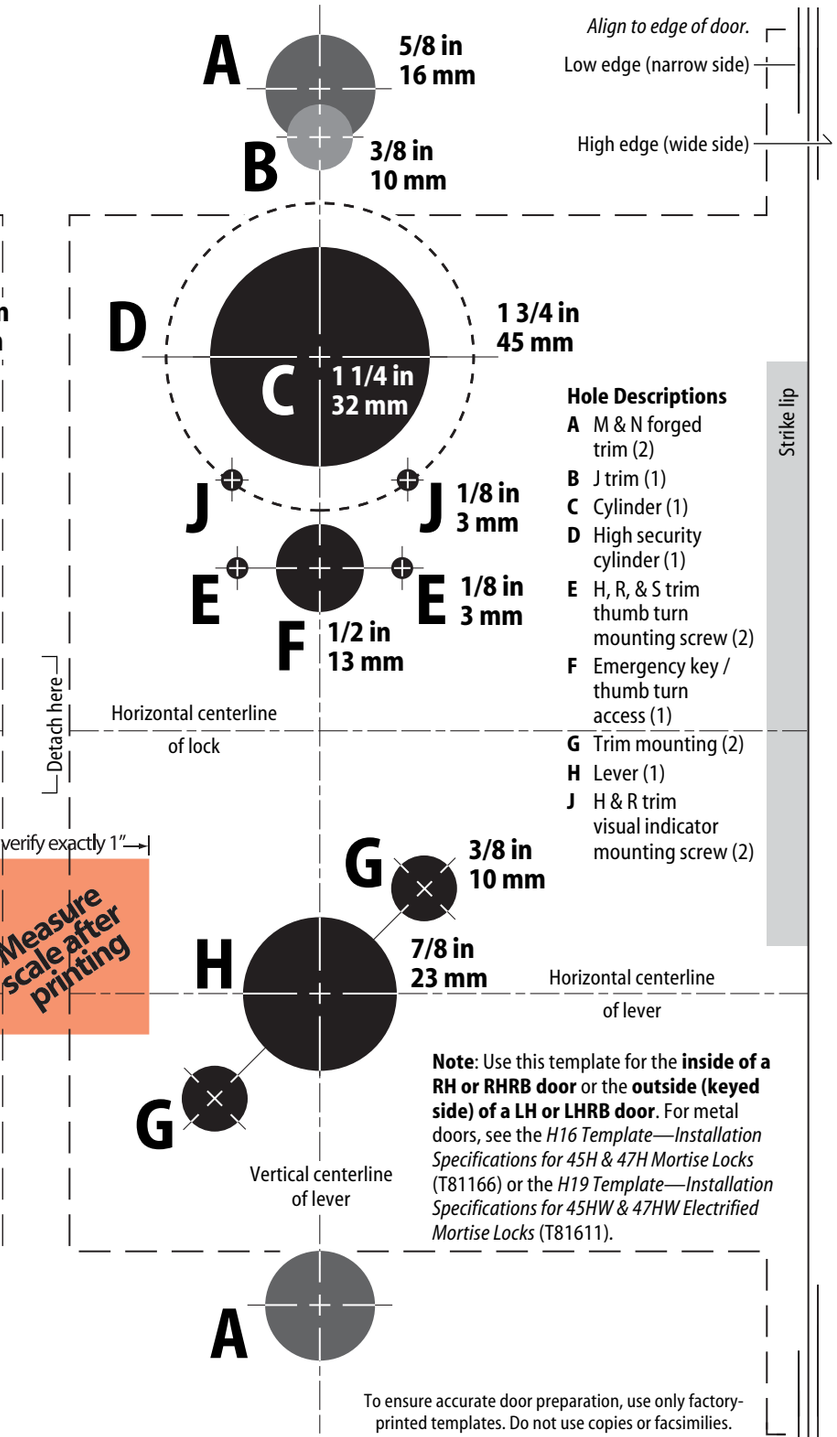
‡ To qualify for the UL 437 high security listing, use the M escutcheon and the 1E7J4 cylinder. The 1E7K4 cylinder is available for use with either M trim or sectional trim, but does not qualify for the UL 437 high security listing. This option is not available for H and HJ function locks.

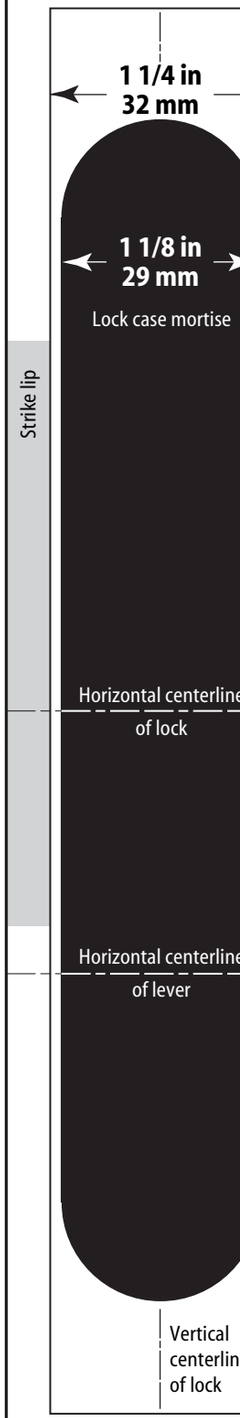
†† Because these holes pass through the mortise pocket, it is recommended that each hole be drilled separately rather than straight through.

STANLEY BEST ACCESS SYSTEMS


1 1/4 in
32 mm
1 1/8 in
29 mm
Lock case mortise
Strike lip
Horizontal centerline
of lock
Horizontal centerline
of lever
Vertical
centerline
of lock


Align to edge of door.
Low edge (narrow side)
High edge (wide side)
A
5/8 in
16 mm
B
3/8 in
10 mm
D
1 3/4 in
45 mm
C
1 1/4 in
32 mm
J
J
1/8 in
3 mm
E
E
1/8 in
3 mm
F
1/2 in
13 mm
Strike lip
Detach here
Hole Descriptions
A M & N forged trim (2)
B J trim (1)
C Cylinder (1)
D High security cylinder (1)
E H, R, & S trim thumb turn mounting screw (2)
F Emergency key / thumb turn access (1)
G Trim mounting (2)
H Lever (1)
J H & R trim visual indicator mounting screw (2)
Horizontal centerline
of lock
Horizontal centerline
of lever
G
H
7/8 in
23 mm
G
3/8 in
10 mm
Vertical centerline
of lever
A
verify exactly 1″
verify exactly 1″
Measure scale after printing
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 H16 Template—Installation Specifications for 45H & 47H Mortise Locks (T81166) or the H19 Template—Installation Specifications for 45HW & 47HW Electrified Mortise Locks (T81611).


Align to edge of door.
Low edge (narrow side)
High edge (wide side)
A
5/8 in
16 mm
B
3/8 in
10 mm
D
1 3/4 in
45 mm
C
1 1/4 in
32 mm
J
J
1/8 in
3 mm
E
E
1/8 in
3 mm
F
1/2 in
13 mm
Strike lip
Detach here
Hole Descriptions
A M & N forged trim (2)
B J trim (1)
C Cylinder (1)
D High security cylinder (1)
E H, R, & S trim thumb turn mounting screw (2)
F Emergency key / thumb turn access (1)
G Trim mounting (2)
H Lever (1)
J H & R trim visual indicator mounting screw (2)
Horizontal centerline
of lock
Horizontal centerline
of lever
G
H
7/8 in
23 mm
G
3/8 in
10 mm
Vertical centerline
of lever
A
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 H16 Template—Installation Specifications for 45H & 47H Mortise Locks (T81166) or the H19 Template—Installation Specifications for 45HW & 47HW Electrified Mortise Locks (T81611).
To ensure accurate door preparation, use only factory-printed templates. Do not use copies or facsimilies.


1 1/4 in
32 mm
1 1/8 in
29 mm
Lock case mortise
Strike lip
Horizontal centerline
of lock
Horizontal centerline
of lever
Vertical
centerline
of lock