

# Installation Template for 83KM/93KM IDH Max Cylindrical Locks

**Template Number:** W16

**Series:** 83KM/93KM

**Backset:** 2 3/4"

**Trim Style:** MS, PH, PM

**Door Thickness:** 1 3/4" - 2 1/4"

**NOTE:** To ensure accurate door preparation, use only factory-printed templates. Do not use copies or facsimiles.

## Mark & drill holes

1 Determine the proper backset for the door.

**Note** For backsets other than 2 3/4" and for metal doors, see the W14 Template—Installation Specifications for 83KM/93KM–85KM/95KM IDH Max Cylindrical Locks.

2 **Mark** the centerlines on the door and door jamb. See the Installation Instructions for 83KW/93KW–85KW-95KW IDH Max Cylindrical Locks (T60771).

3 **For uncut doors:** Fold the template on the dashed line and carefully place it in position on the door.

## For doors with standard cylindrical preparation:

Looking through the hole from the opposite side of the door, align the template so that you see the template outline of the 2 1/8" diameter hole.

4 Tape the template to the door and center punch the appropriate drill points.

5 Drill the holes. See the installation instructions.

**Trim hole (upper) – 5/8" dia.**

Drill through the door.

**Field harness & RH/RHRB reader wire hole – 7/8" dia.**

Drill through the door.

**Hole through door – 3/8" dia.**

From the latch edge of the door, drill through the bottom of the DOOR STATUS SWITCH HOLE to the hinge mortise.

**Through-bolt hole (upper) 5/16" dia.**

Drill through the door. DRILL FOR 9KM ONLY.

### Note

Use the KD303 Drill jig to ensure proper alignment of through-bolts and levers.

**Solenoid wire hole – 3/8" dia.**

Drill through the door BEFORE DRILLING THE CHASSIS HOLE.

### Note

When installing the lock, make sure the wires are routed through this hole.

**Chassis hole – 2 1/8" dia.**

Bore through the door AFTER DRILLING THE SOLENOID WIRE HOLE.

**Through-bolt hole (lower) 5/16" dia.**

Drill through the door. DRILL FOR 9KM ONLY.

**Trim hole (lower) – 5/8" dia.**

Drill through the door.

**Door status switch & LH/LHRB reader wire hole – 7/8" dia.**

Drill through the door.

for 2 3/4" backset

horizontal centerline  
of knob or lever

**Latch hole – 1" dia.**

Drill to meet the center of the CHASSIS HOLE.

Fold the template  
along this line.

**Template scale is 100%**

**Door status switch hole – 1" dia.**

Drill to meet the center of the DOOR STATUS SWITCH & LH/LHRB READER WIRE HOLE.

## Drill & mortise door edge

1 Mark the centerline of the door edge, and the drilling points for the LATCH HOLE and the DOOR STATUS SWITCH HOLE.

2 Drill the LATCH HOLE (1" dia.) into the edge of the door to meet the center of the CHASSIS HOLE.

3 Mortise the edge of the door to fit the latch face.

4 Drill the DOOR STATUS SWITCH HOLE (1" dia.) into the edge of the door to meet the center of the DOOR STATUS SWITCH & LH/LHRB READER WIRE HOLE.

5 Drill a HOLE THROUGH THE DOOR (3/8" dia.) from the bottom of the DOOR STATUS SWITCH HOLE to the hinge mortise.

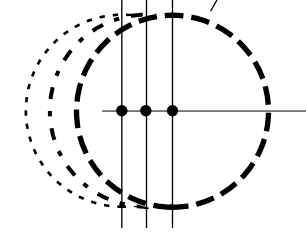
1 3/4"

2"

2 1/4"

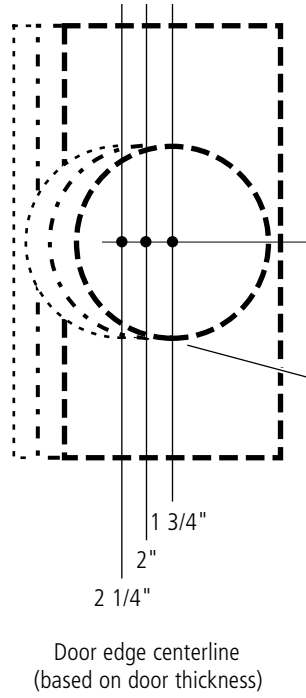
Door edge centerline  
(based on door thickness)

**Door status switch hole – 1" dia.**  
Drill to meet the center of the DOOR STATUS SWITCH & LH/LHRB READER WIRE HOLE.



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