

Induro™ Mortice Lock Apex Mini-Lever Set, 4-Point

ASSA ABLOY

Installation Instructions

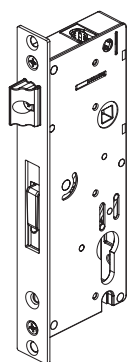
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Application: Provides secure deadlocking for aluminium or timber hinged doors.

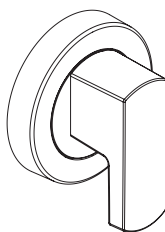
Tools Required:

- Drill
- 2.9mm Drill Bit
- 3.2mm Drill Bit
- 20.0mm Drill Bit
- Square Screwdriver #1

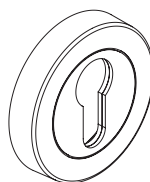
Pack Contents



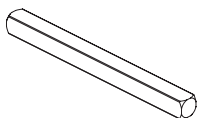
4-Point Lock
(50mm Backset Shown)



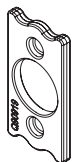
Mini Lever (x2)



Cylinder Escutcheon (x 2)



92mm Drive Bar (Spindle)



2mm Latch Packer



Latch wear pad



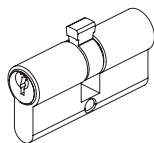
M5 Cylinder Fixing Screw



6g x 16mm Screws (x 16)

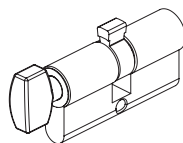


8g x 7.5mm Screws (x 2)



Cylinder Double Key

or



Cylinder Key & Turn Knob



Shootbolt Rod
1.3m



Shootbolt Rod
1.0m



Steel
'D' Tip

or



Plastic
'D' Tip

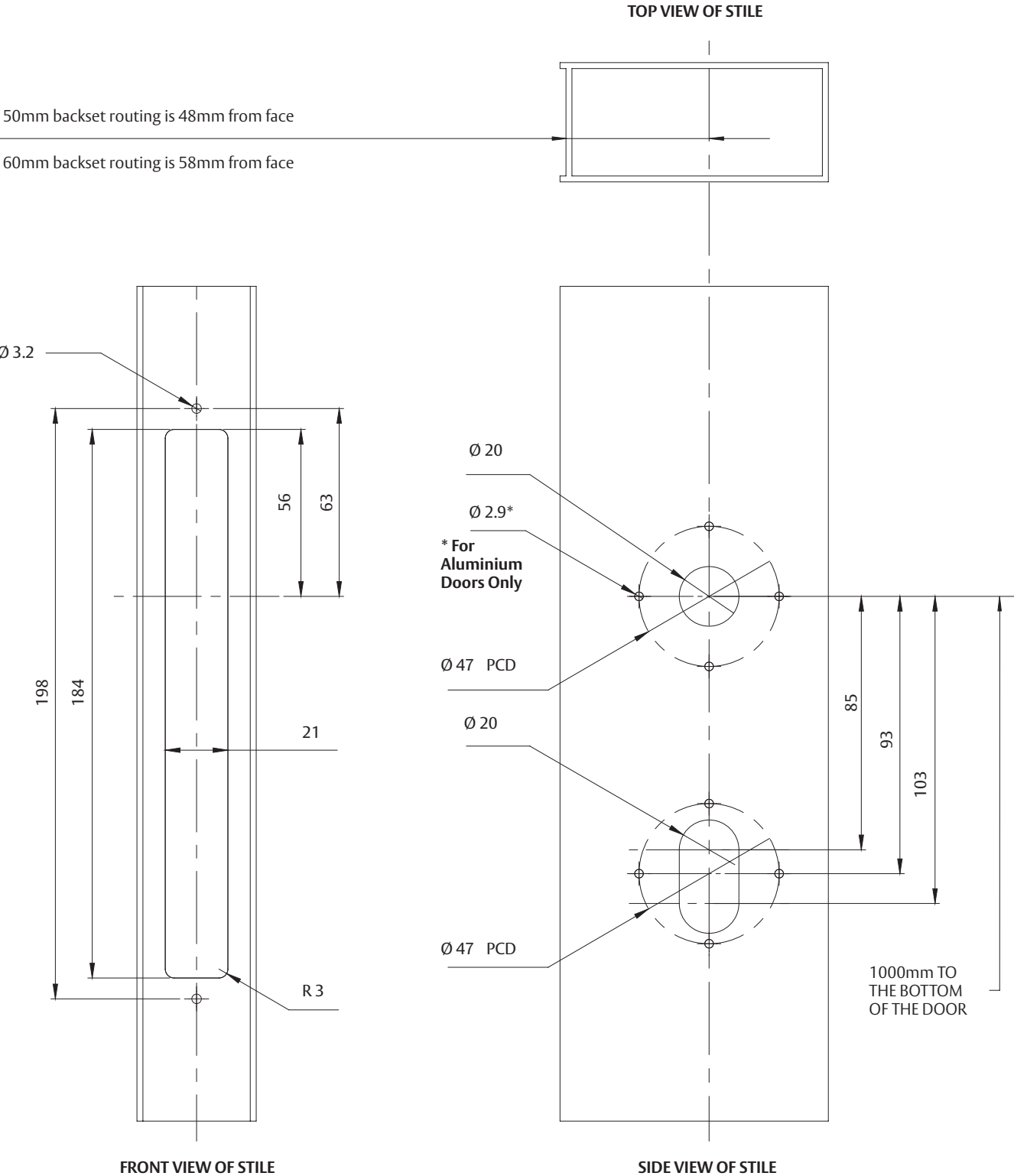


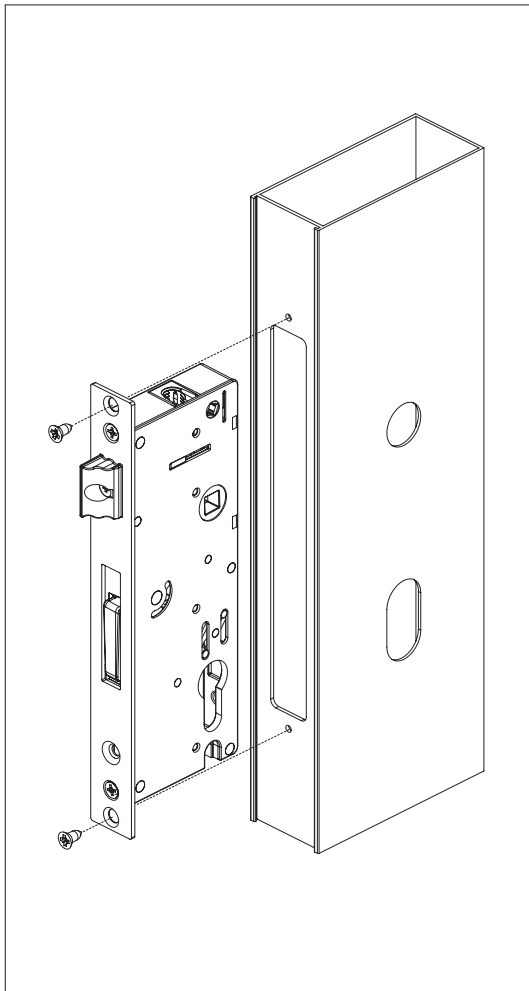
Steel Rod
Tip Pin

1. Door Preparation

Route the door as shown in the routing diagram.

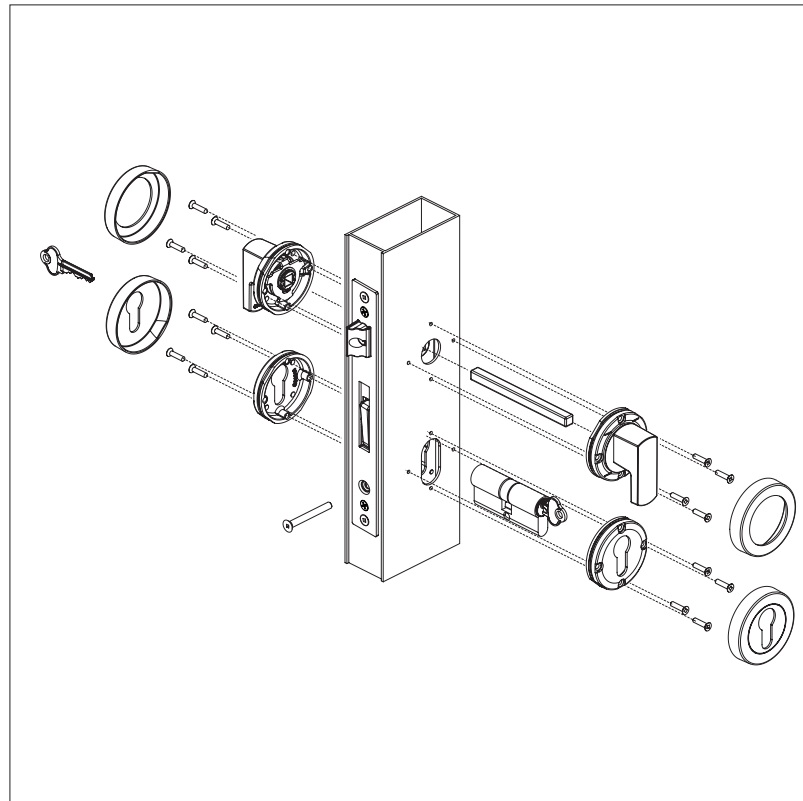
50mm backset routing is 48mm from face
60mm backset routing is 58mm from face





2. Fixing Lock

- Place the lock assembly into the stile
- Fix the lock onto the stile using the two 8g x 7.5mm screws



3. Fixing Furniture and Cylinder

- Insert the drive bar (spindle) through the square drive hole in the lock
- Place the mini-lever furniture onto the drive bar. Fix internal rose to stile using four 6g x 16mm screws. Repeat on external side of the stile
- Place the cylinder through the cylinder hole
- Fix cylinder using the M5 cylinder fixing screw as supplied
- Place the euro escutcheon rose over the cylinder and fix to stile using four 6g x 16mm screws. Repeat for external rose
- Place covers over mini-lever and cylinder rose

4. Assembly of Shootbolt Rod Ends

Trim the lock rods to length allowing for:

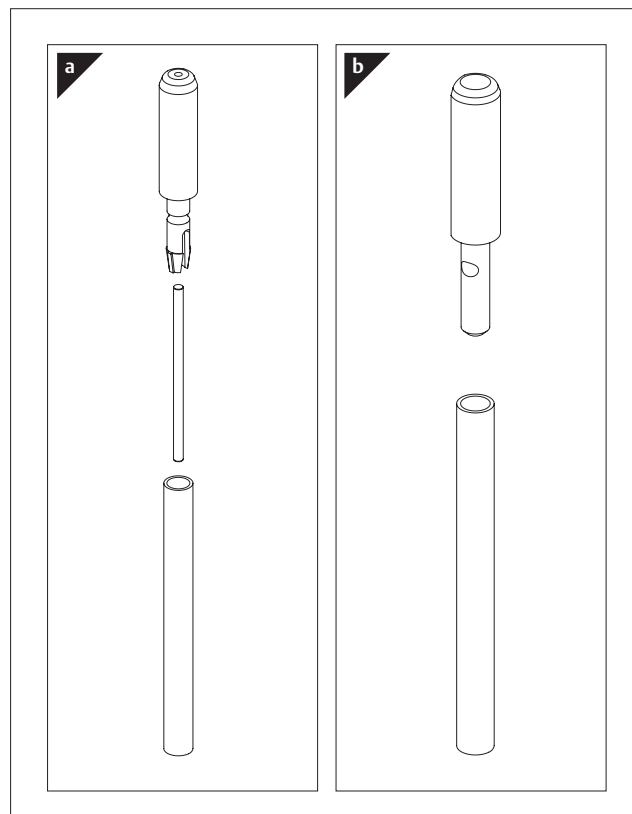
- A throw of 20mm
- Length of 'D' tip
- Thread engagement into lock racks

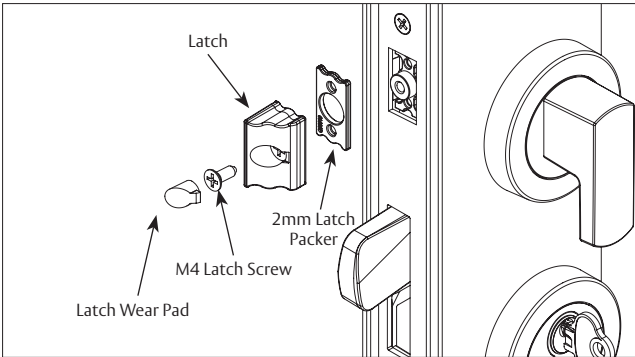
a) Plastic Rod Ends

- a1) Insert the steel pin into the plastic 'D' tip. The steel pin should be inserted from the open end rather than the smaller drainage hole
- a2) Insert the combined part into the top of the shootbolt rod
- a3) Crimp the shootbolt rod, by applying pressure on the shootbolt rod in line with the groove around the 'D' tip to ensure the two parts cannot be easily separated. A tool is available for this purpose (P84042)
- a4) Repeat steps a1-a3 again for the bottom shootbolt rod
- a5) Insert the rods from the top and bottom of the stile and screw into the lock

b) Stainless Steel Rod Ends

- b1) Insert the supplied stainless steel 'D' tips into the top of the shootbolt rod
- b2) Repeat steps b1 again for the bottom shootbolt rod
- b3) Insert the rods from the top and bottom of the stile and screw into the lock

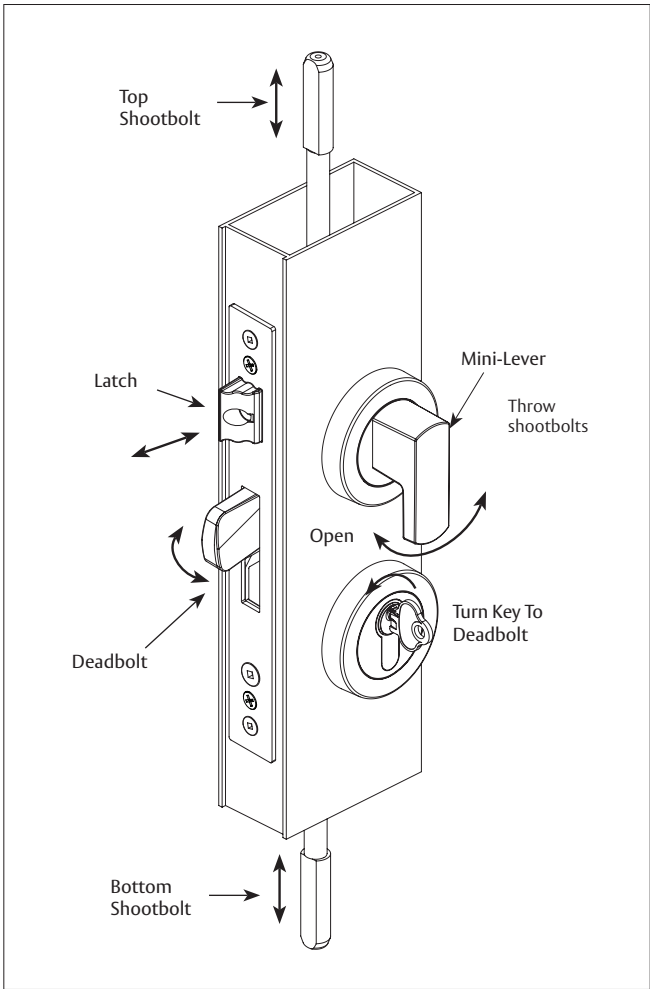




5. Latch Reversal

- Undo the M4 latch screw
- Reverse the latch as desired
- Replace the M4 latch screw to secure the latch
- Insert the latch wear pad

Note: 2mm Latch Packer is provided to allow for latch projection adjustment. An additional 2mm packer is available for purchase.



6. Lock Operation

Deadlocking Operation

- Pull the door shut. The door will self-latch.
- Lift the handle to throw the deadbolt & shoot bolt (either when the door is unlocked or locked).
- Turn the key towards the edge of the door to deadlock.
- The door is now secure from exterior and interior.
- To retract the shootbolts and deadbolt ensure door is unlocked. Push the handle down and release.

Note: Deadbolt & shootbolt can engage at any stage of operation

Opening Operation

- Turn the key away from the door edge to deactivate the deadlock.
- If the deadbolt and shootbolts are engaged, push handle down and release.
- Retract the latch.

Troubleshooting	
Do I need to tap holes?	No. All screws are self tapping.
The furniture screws do not tighten	Ensure the screws line up with the screw boss on the exterior handle.
Do I have to use the supplied screws?	For best performance, it is recommended that only the supplied screws are used.
The key function does not operate	Ensure the motion of the latch is not restricted.

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2. Failure due to improper maintenance.
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4. Indirect or consequential loss or damage.
5. Cost of removal and/or replacement.
6. Cost of freight and/or travelling time.
7. Damage to or deterioration of plated finishes (soft finishes). As deterioration is possible under some environmental conditions, these finishes are excluded from this guarantee.
8. Any modification or repairs to a product, as supplied, unless authorised by ASSA ABLOY.
9. Use of replacement parts other than authorised parts.
10. Malfunction or failure of the product due to the use of non-genuine ASSA ABLOY parts.

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YEAR
WARRANTY