Operating instructions

RAPIDOOR ID
RAPIDOOR FD

Door installation aid for HPL level

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EN

Passion for Precision

Operating instructions RAPIDOOR ID RAPIDOOR FD (Translation of original version)

About this manual

Congratulations on purchasing your new RAPIDOOR level accessory!
You have chosen a high-quality SOLA accessory designed to be used with the HPL 3 (180 cm) high-precision level, making your job easier, more precise, and faster.

This user manual contains all the essential information you need about the SOLA RAPIDOOR.



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1. RAPIDOOR ID / RAPIDOOR FD

The RAPIDOOR is available in two models.

1.1 RAPIDOOR ID

ID = Interior door (for interior doors with a pin diameter of 8–10 mm, compatible with both 2-part and 3-part hinges)



1.2 RAPIDOOR FD

FD = Front door (for front doors or entrance doors with a pin diameter of 10–14 mm, compatible with both 2-part and 3-part hinges)



2. Intended use

The RAPIDOOR is an accessory for the HPL level. When attached, it enables fast, simple, precise, and ergonomic door frame installation. Your hands remain free for various positioning tasks, eliminating the constant need to bend down for the level.



3. Delivery contents

3.1 RAPIDOOR ID

- 1× RAPIDOOR ID set (2 pcs.)
- 1× Protective case



3.2 RAPIDOOR FD

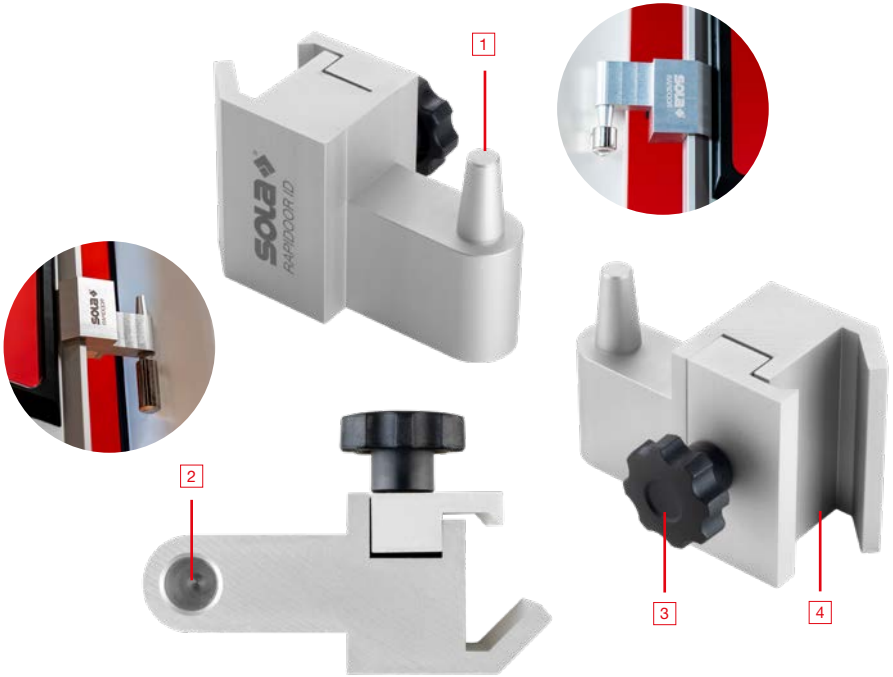
- 1× RAPIDOOR FD set (2 pcs.)
- 1× Protective case



4. Product description

Product layout

1. Tapered pin for inserting into the knuckles (typically 3-piece hinge)
2. Tapered blind hole for receiving the door hinge pin (typically 2-piece hinge)
3. Locking screw
4. Profile mount for attaching to HPL 3 spirit level



5. Technical data

5.1 RAPIDOOR ID

Product description	Door installation aid for HPL level – interior doors
Application	Interior doors
Material	Aluminum
Color	Silver
Dimensions (L × W × H)	80 × 55 × 50 cm
Special feature	Fits all standard European door frames with a pin diameter of 8–10 mm

5.2 RAPIDOOR FD

Product description	Door installation aid for HPL level – front doors
Application	Front and entrance doors
Material	Aluminum
Color	Silver
Dimensions (L × W × H)	80 × 55 × 50 cm
Special feature	Fits all standard European door frames with a pin diameter of 10–14 mm

6. Getting started

6.1 General

- Installing and using the RAPIDOOR requires no tools whatsoever.
- To ensure the RAPIDOOR fits precisely on the HPL, it must be fine-tuned against the measuring surface of the HPL for each door.
- Once the HPL is hooked into the hinges, the top vial remains fully visible for aligning the frame. At the same time, your hands stay completely free for all positioning tasks, as the weight of the HPL holds it securely and completely independently on the hinges.

6.2 Mounting the RAPIDOOR on the HPL

Mount the lower RAPIDOOR onto the HPL approximately 15 cm (6 in) from the end of the level by threading it onto the measuring surface and tightening the locking screw securely to ensure a firm grip.

Pre-mount the upper RAPIDOOR approximately 15 cm (6 in) from the other end of the level by threading it onto the measuring surface and tightening the locking screw only hand-tight.





7. Operation

7.1 Preliminary note

We reserve the right not to explain in detail the work steps prior to aligning the door frame. This instruction manual focuses entirely on the use of the RAPIDOOR in combination with the HPL 3 180 cm (hereinafter referred to as the HPL).

Although the installation principle for front doors is similar to that of interior doors, legal requirements and standards for front doors change constantly. A universally applicable description is therefore hardly possible. For this reason, Section 7 of this instruction manual refers exclusively to the installation of interior doors using the RAPIDOOR ID.

7.2 Preparing the frame

- In most cases, door frames are assembled in the exact rooms where they will subsequently be installed. This prevents the frames from having to be transported long distances, which risks warping or damaging them before reaching the destination room.
- Once the frame has been pre-assembled, a auxiliary board (spreader board) should generally be set immediately at the top end of the frame (on the inside of the frame) to match the exact clear opening width. (That is: the auxiliary board should be set to the exact distance between the hinge side and lock side, so it can later be clamped at the bottom end of the frame to prevent the frame from being squeezed together).
- Furthermore, it is recommended to simultaneously adjust a door casing clamp/spreader to the exact width of the frame. Do this by holding the casing spreader against the top end of the frame and securing the correct distance. Set the casing spreader aside, as it will only be used at a later stage.

7.3 Positioning and basic alignment of the frame

- Now place the frame in the wall opening and, ideally, secure it lightly with a clamp to prevent it from falling over before it is shimmed at the designated points.

- Align the upper cross-member of the frame (at the lintel) so it is perfectly horizontal along the wall line (usually done using an HPL 75 cm level) by placing shims under the bottom end of the frame.
- If the finished floor is already installed in the room (meaning the final floor height has been reached), shim the frame slightly under the bottom left and right sides so it does not rest directly on the floor after installation.
- Place the previously prepared auxiliary board—cut precisely to length—horizontally on the floor at the bottom end of the frame, clamping it between the left and right casing jambs. This ensures that during later frame installation, the casing jambs maintain the exact distance from each other, guaranteeing an accurate, clean opening clearance from top to bottom.
- Install the upper and lower hinges in the frame (it is important that the upper and lower hinges are installed at the exact same distances from the rebate casing).

7.4 Attaching the HPL and RAPIDOOR to the hinges

- Hang the HPL (with the pre-mounted RAPIDOOR) onto the door hinges. First, attach the HPL using the lower RAPIDOOR on the lower hinge:
  For 2-part hinges: insert into the blind hole.
  For 3-part hinges: insert onto the pin.
- Then, loosen the locking screw on the upper RAPIDOOR, slide it down the HPL, insert it into the upper door hinge using only its own weight, and tighten it again.
- Now both the upper and lower RAPIDOORs are inserted into their respective hinges, and the entire HPL (including the mounted RAPIDOORs) is held in the hinges by its own weight.
- The HPL can now be rotated 90° at any time to align the door frame along the wall surface or through the doorway passage.

7.5 Aligning the frame with HPL and RAPIDOOR

- Once the frame is set horizontally at the upper cross-member, shim and secure the frame at the bottom left and right. Use the top vial to check if there is sufficient clearance to the wall on both the left and right. If necessary, shift the frame along with the auxiliary board to the left or right.
- Now shim the top of the frame on the hinge side toward the lintel, pulling the frame level. Next, shim the top left and right, bringing the frame precisely plumb. For heavier doors, you can over-shim slightly toward the hinge side. Now shim the lock side from the top toward the lintel.

- Rotate the HPL 90° and align the position of the door frame precisely level through the doorway passage. Recheck to ensure all shims are firmly in place. The door leaf can now be hung. The hung door leaf must stay in position on its own when opened to 90° or 45°, without swinging open or shutting.
- Insert the door spreader (previously set to the exact frame width) centered at half the frame height and tighten it.
- Place the NON-measuring face of the HPL (the side without the RAPIDOOR mounted) vertically against the lock side of the frame to check whether the frame jambs bow left or right. (Do not check for bowing with the vial; simply check for straightness using the NON-measuring face of the HPL).
- If the frame bows (either inward or outward), counteract and correct it using the door spreader.
- Adjust the lock side of the frame to match the door leaf.

7.6 Completion and foam application

Once everything is aligned horizontally and vertically (meaning the rubber seal rests evenly all around, there is no bowing, and all gaps between the frame and wall are correct), the gap between the door frame and the wall can be filled with expanding foam.

7.7 Concluding remark

We reserve the right not to explain in detail any work steps that take place after aligning the door frame, as this instruction manual focuses entirely on using the RAPIDOOR in combination with the HPL.

8. FAQ

1. Which door hinges is the SOLA RAPIDOOR ID suitable for?
The RAPIDOOR ID fits interior doors with an 8–10 mm pin diameter:
- 2-part hinges: Directly compatible.
- 3-part hinges: Work perfectly by rotating the level 180°.
- Heavy-duty / project hinges: Usable with the appropriate frame adapter.

2. Which door hinges is the SOLA RAPIDOOR FD suitable for?
The RAPIDOOR FD is designed for front and entrance doors with a 10–14 mm pin diameter. It fits reinforced 2- and 3-part entrance door hinges as well as heavy-duty project hinges (using a corresponding frame adapter if necessary).

3. Does the system also work with heavy-duty / project hinges?
Yes, provided that the frame section is initially inserted loosely and properly aligned in depth. It acts as an adapter, is removed after the installation process, and the door leaf is then hung. An example of this is the Simonswerk VX hinge with the V7900 WF VX adapter.

4. Is the RAPIDOOR compatible with Tectus hinges?
No. Due to their design, concealed Tectus hinges require a completely different installation process.

5. Can the RAPIDOOR only be used with the SOLA HPL 3 (180 cm) level?
Yes. The RAPIDOOR was specially developed for the specific shape and profile of the SOLA HPL 3 180 cm. The HPL features an extremely sensitive precision vial that immediately indicates even the slightest deviations—a basic prerequisite for exact door frame alignment.

6. Why is the measurement taken directly at the hinges instead of on the frame?
The factory-installed hinges serve as the decisive reference point for the future door leaf. When the hinges are aligned perfectly plumb, the door leaf stays in place at any position (e.g., at a 90° or 45° opening angle) without swinging open or shutting on its own. This ensures code-compliant, inspection-proof installation.

7. Must the upper and lower hinges be installed at the exact same depth in the frame?
Yes, this is strictly required. This is the only way to ensure that the door leaf rests correctly against the rubber seal.

8. What happens with a rounded frame casing (jamb)?
The curvature is compensated for using the spreader. When aligning rounded segments, the hinges remain parallel and plumb.

9. How is the lock side (strike plate side) aligned?
Alignment within the wall opening occurs automatically using the spreaders. Proper contact against the rubber seal is then achieved by hanging the door leaf and adjusting the frame to fit it.

10. What are the key benefits of the RAPIDOOR?
- Precision: The hinges define the exact measuring point.
- Efficiency: The level does not need to be repeatedly repositioned; both hands remain free, and the vial stays visible at all times.
- Ergonomics: Tools like hammers and shims can remain in hand continuously, eliminating constant bending down and protecting your back.

11. How quickly does the RAPIDOOR pay for itself?
With a time savings of 5 to 10 minutes per door frame, the investment pays for itself after installing approximately 10 to 14 doors.

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