

# ASSEMBLY INSTRUCTIONS



## **BARD**



S E C U R I T Y   D O O R S



Dear client,

Thank you for purchasing a Scrigno security door. Please follow the instructions given below to install your new security door.

## GENERAL INFORMATION:

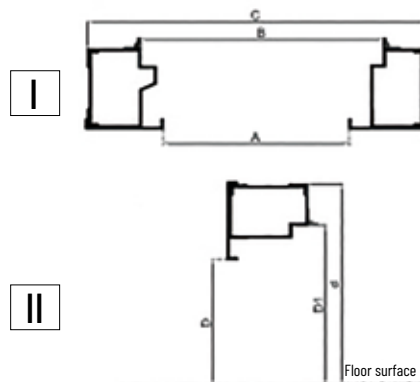
- Unpack the door carefully so as not to damage it.
- Do not use a box cutter or sharp tools to open the packaging.
- Take care when handling or storing the product.
- The standard supply (if the subframe has already been delivered) for a single panel door is composed of three packages: package 1 contains the door, while package 2 contains the box of hardware and package 3 the internal panel. For 2 panel doors, the standard supply is 5 packages: package 1 contains the packed door panel, package 2 the secondary panel, package 3 the main internal panel, package 4 the secondary internal panel package 5 the box of hardware.

The box of hardware contains: 6 or 12 M8X30 cylindrical head screws for mounting the main and secondary door panels to the frame, 8 dia. 14 mm plastic caps for covering the holes in the frame, the interior handle, the external knob or handle (as applicable), 3 or 6 plastic parts for covering the frame hinge mountings, the peephole, the cylinder, the opening limiter control (as applicable), and the frame gasket.

## PRELIMINARY SIZE CHECK

It is essential that you check the dimensions of the door before you proceed. You must check the frame's width (fig. I) dimensions A, B and C, taking care to measure the dimensions at 3 points (at the top, centre and bottom), its height (fig. II), d, D and D1, and diagonals. For a door with an opening of 2100 x 900 mm, the measurements should be

A = 960 mm  
B = 988 mm  
C = 1065 mm  
D = 2132 mm  
d = 2184.5 mm



Only after you have checked that the dimensions match, install the frame (this must be done by the client), in 3 steps:

- 1) screw the clamps to the frame with the M8x30 Allen bolts using the dia. 10 mm holes in the frame uprights. The brackets and screws are included with the subframe.
- 2) check that the frame uprights are vertical using a level with a tolerance of +/- 1 mm. Use the level to check that the top member of the frame is horizontal to within +/- 1 mm, as well as the floor in the area over which the door opens and closes. Lastly, check that the frame is level with the finished floor. You can now install the frame to the wall using quick setting cement (leave the spacers in place) and with the cemented clamps.

The flush mounting frame is delivered complete with its hinges and with a white protective coating to protect the powder paint job specified in the order.

3) Once the cement used to install the frame has completely cured, remove the wooden spacers, taking care not to damage the internal aluminium plaster guide (fig. 1). Apply the coat of plaster, taking care not to press too hard next to the aluminium profile member, and render it flush with the frame using the profiles fixed to the frame as a reference. Take special care not to damage the frame during this step. Since this is a flush mounting version, take special care when rendering the plaster because the resulting surface will remain visible.

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## STEP 1. PREPARING THE FRAME

Once the internal plastering has set and the walls have been painted, remove the protective film (fig. 2) and fit the frame gasket (fig. 2a).

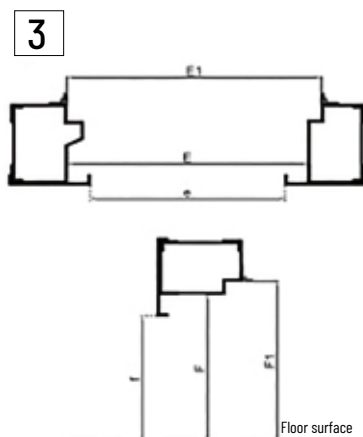
Check the horizontal dimensions of the frame (e, E and E1) and the vertical dimensions (f, F and F1) (fig. 3).

For a door with an opening of 2100 x 900 mm, the measurements should be

2



e = 900 mm  
E = 948 mm  
E1 = 960 mm  
f = 2100 mm  
F = 2124 mm  
F1 = 2137 mm



2a



### N.B.

Improper levelling, torsion or significant dimensional differences can compromise the operation of the door.

## STEP 2. FITTING THE DOOR PANEL INTO THE FRAME

Fit a 4 mm thick, 150 mm wide shim in mdf or cardboard next to the frame's hinge-side upright, perpendicular to the frame itself, then move the door panel up to it and place it on the shim at around 45° relative to the frame, lift the panel and insert it onto the hinges on the frame via the cutaways in the door panel (fig. 4).

Screw the M8 x 30 cylinder head studs (included) in with a 6 mm wrench, without tightening them down, more or less at the centre of the slot in the hinge (fig. 4a).

Slightly lift the door panel and remove the shim supporting it. Fit 5 mm shims between the hinge side of the door panel and the corresponding frame upright, and close the door. Once the door is set in such a way that there is a 5 mm clearance on the hinge side, check that there is also a 5 mm clearance on the lock side (use shims here as well).

Once the door panel is centred on the frame, fully tighten down the screws and, if necessary, drive a dia. 3.8 mm self-tapping screw into the hole between the two hinge slots, so as to completely lock the adjustment. Now remove the shims.

4



4a



## STEP 3. INSTALLING THE INTERNAL PANEL

With the door closed, move the panel up to the carcass of the door panel, raising it about 7 mm off the floor (the internal panel must be flush with the top member of the door panel) and press the panel in carefully at the centre and top so that the clip engages with its cutaway.

Proceed with equal care at the hinge side (there are 6 clips), making sure that the entire panel is perfectly flush with the door panel and there are no bumps that could prevent the door from opening, then proceed in the same way with the lock side (here too there are 6 clips).

Slowly open the door and check that nothing is preventing it opening smoothly and cleanly.

## STEP 4. FITTING THE DOOR PANEL INTO THE FRAME

Install the included accessories (internal handle, opening limiter control if provided, peephole, external knob or handle).

The cylinder is usually already installed in the lock, but if it is not, install it as follows:

- With the door open, unscrew - but do not remove - the screw on the lock side upright of the door panel next to the bolt (fig. 5) and press it towards the interior of the lock itself to release the lock's "Yale" hole from the cylinder retaining system (fig. 6 and fig. 6a).
- Keep holding the screw depressed and insert the cylinder (from the inside to the outside of the door), and use the key or knob to check that it operates.
- Once you have managed to give it at least one turn, release the screw and tighten it down (but not fully).
- Try turning the lock its full number of times, checking that the key rotates smoothly.  
If you can turn the lock all the way without difficulty, tighten the screw fully down. Unturn the lock completely and use the key or knob to check that you can also retract the bolt.
- With the door still open, try turning the lock fully from the outside as well.

Then close the door and check that the centre of the bolt is aligned with the centre of its hole in the frame; if necessary, adjust the hinges up/down with the hinge adjuster stud using a 10 mm ratchet (fig. 6b). The frame hinges are adjusted at the factory to provide a 5 mm clearance between the frame and the door panel. Screwing the hinge adjuster stud in will raise the door panel by no more than 3 mm.

Cover the cutaway for the hinge on the frame with the included plastic parts (fig. 8).

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6a



6b



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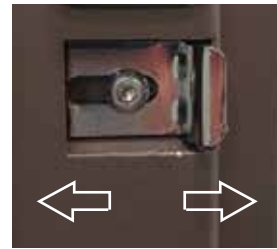
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## STEP 5. ADJUSTING THE DOOR

Close the door and check that it does not vibrate and is perfectly snug against the frame when closed. If necessary, adjust the bolt register by slackening off the M6 screw with a 4 mm hex key. Once the closure is properly adjusted, tighten down the central screw (fig. 9).

Now check once more that the door works properly by closing it and turning the lock fully closed.

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## STEP 6. FINAL STEP

Clean all the door's components with a non-abrasive cloth dampened with water and a dry cloth.

Adjust the lowering of the draught bar with the screw (fig. 10): unscrewing it increases its travel so that the bar lowers further, so that the gasket is completely sealed against the floor.

Complete the installation by fitting the included plastic caps over the holes used to mount the frame to the subframe (fig. 11).

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### N.B.

if the door has a double cylinder lock, the cylinders are not installed with the screw as described above, but using a cradle-type mounting (fig. 12). To access the cylinder mounting points, remove the cylinder's internal finish plate and remove the plastic panel underneath it (fig. 13).

Gradually undo the two cradle mounting screws with a 6 mm wrench (fig. 14); these screws also secure the cylinder guard, so before you completely remove them you must extract the guard and any shims to prevent them falling inside the door panel.

Take out the screws and the cradle. Turn the key a quarter turn so that the cylinder rod retracts into the cylinder (fig. 15) and remove the cylinder itself.

Undo the cradle mounting screw (fig. 16).

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Restore the cylinder in reverse order to the above.

- if the door has an electromechanical lock, the cylinders are not installed with the screw as described above, but using a cradle-type mounting (fig. 17). To access the cylinder mounting points, remove the cylinder's internal finish plate and remove the plastic panel underneath it (fig. 13). Undo the two cradle mounting screws with a 2.5 mm wrench (fig. 18). Turn the key a quarter turn so that the cylinder rod retracts into the cylinder (fig. 19) and remove the cylinder and cradle. Undo the cradle screw securing the cylinder (fig. 20) with a 3 mm wrench. Restore the cylinder in reverse order to the above.

- If the door has a cylinder equipped for an internal thumb turn, the cylinder is not installed in the lock but is included in the box of accessories. Install it following the instructions given in step 4 or in the preceding paragraph. Once the cylinder has been installed, the length of the internal shank must be adjusted by cutting it with a hacksaw (we recommend measuring it and cutting the shank with the cylinder extracted from its mounted position).

- All cylinders have an installer key and 5 user keys. To switch from the installer key to the user key, proceed as follows: with the door open, fit a user key into the external keyhole, turn the lock fully closed and then fully open again and extract the key. The installer key will no longer work at this point. Repeat the same operation from the inside (if the cylinder is not fitted with a thumb turn).

- Threshold: the threshold is composed of two parts. The first, which has three gaskets, is already installed to the door panel, while the other part must be installed to the floor.

Once you have completed step 6 (final step), you must adjust the length of the floor section by cutting the aluminium member with shears or a hacksaw (cut to the open width of the door -2mm), then fit the two included black plastic caps (fig. 21).

To install the threshold to the floor, remove the upper aluminium section and use the included anchor bolts or, if you prefer, polyurethane adhesive, making sure that the threshold is flush with the outside of the frame (fig. 22), and fit the upper section again.

- if the door is equipped with an electromechanical lock, appropriate instructions are provided with the door.

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