

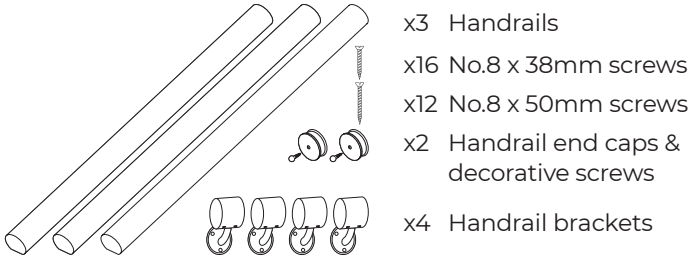
# Handrail Kit Fitting Instructions

(For a straight 3600mm stair/wall run)

The illustrations included in these instructions are solely for illustrative purposes.



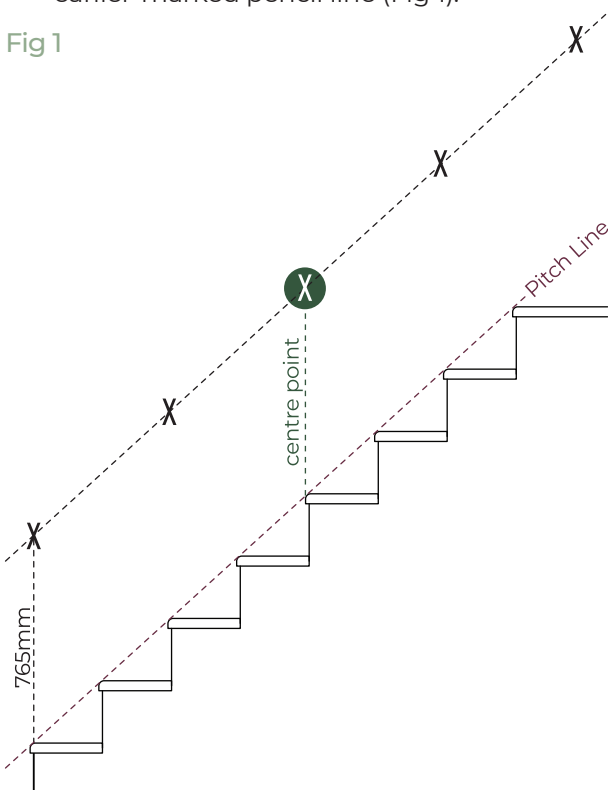
- Please identify and check all components are present before you begin (below).



- Please use wall plugs appropriate for your wall construction and to match the No. 8 x 50mm screws supplied to mount the wall brackets to the wall. Wall plugs are not included.
- Marking the wall using a pencil and straight edge for the Handrail Kit installation is the simplest and most popular way.

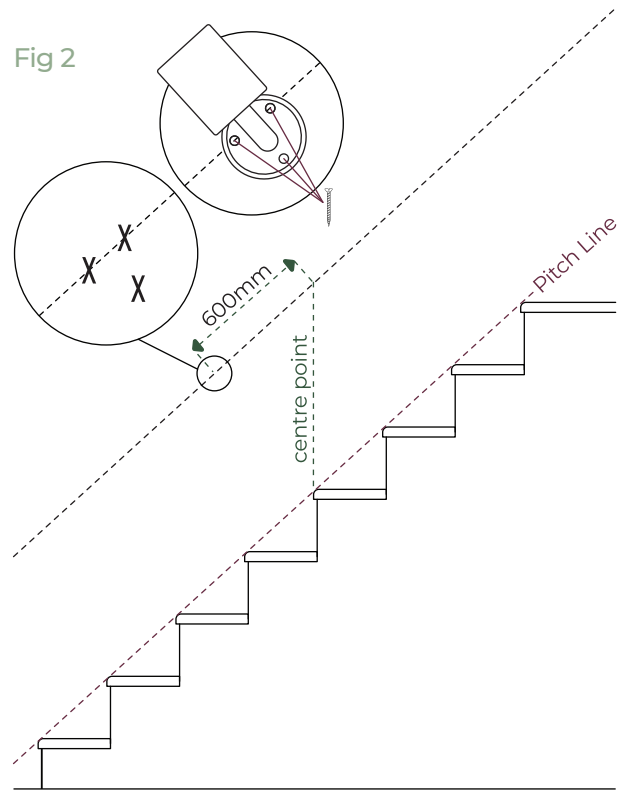
- Starting near the bottom of the stairs and from the pitch line (the imaginary line connecting all the stair nosings), measure 765mm directly above. Repeat this step a further 3 times going up the stairs. Draw a pencil line across the four marks (Fig 1).
- Establish and mark a pencil line that connects the handrail run's centre or midpoint to the earlier-marked pencil line (Fig 1).

Fig 1



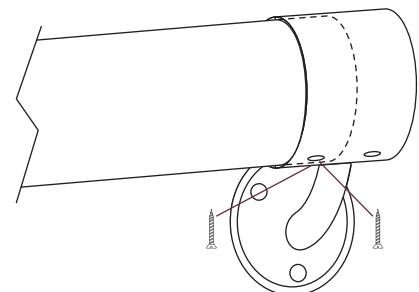
- Measure 600mm along this line from the centre point toward the bottom of the stairs (Fig 2).
- A wall bracket should be positioned so that it is central to the 600mm mark and rotated, so that the wall bracket's two higher pre-drilled holes are central to the pencil line. Mark the three pre-drilled holes in the bracket on the wall with a pencil. Drill, plug (with appropriate wall plugs) and fasten the wall bracket to the wall using three No. 8 x 50mm screws (Fig 2).

Fig 2



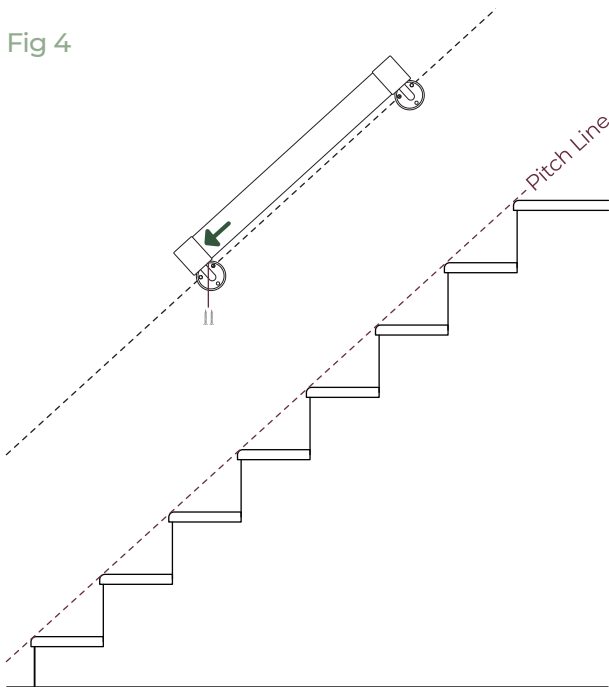
- Place a wall bracket on a section of handrail by sliding the rail halfway into the wall bracket's sleeve. Make a pencil mark in the holes of the bracket on the handrail, then remove. Drill two pilot holes in the handrail with a 3mm drill bit at a depth of 38mm. Using two No. 8 x 38mm screws, fasten the wall bracket to the handrail (Fig 3).

Fig 3



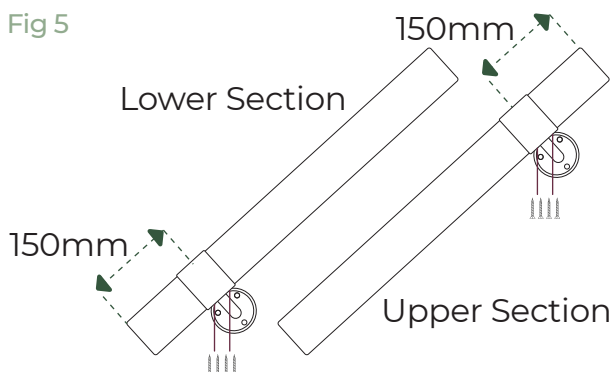
6. Offer the handrail and attached bracket assembly to the wall bracket that has already been attached to the wall and slide the rail halfway into its sleeve (Fig 4).
7. Place the upper bracket so that the pencil line is in the middle of the two pre-drilled holes in the wall bracket. Mark the three pre-drilled holes in the bracket on the wall with a pencil. Drill, plug (with appropriate wall plugs) and fasten the wall bracket to the wall using three No. 8 x 50mm screws (Fig 4).
8. Make a pencil mark in the upper holes of the first wall bracket to be attached, on the handrail. Drill two pilot holes in the handrail with a 3mm drill bit at a depth of 38mm. Attach the handrail to the first wall bracket using two No. 8 x 38mm screws (Fig 4).

Fig 4



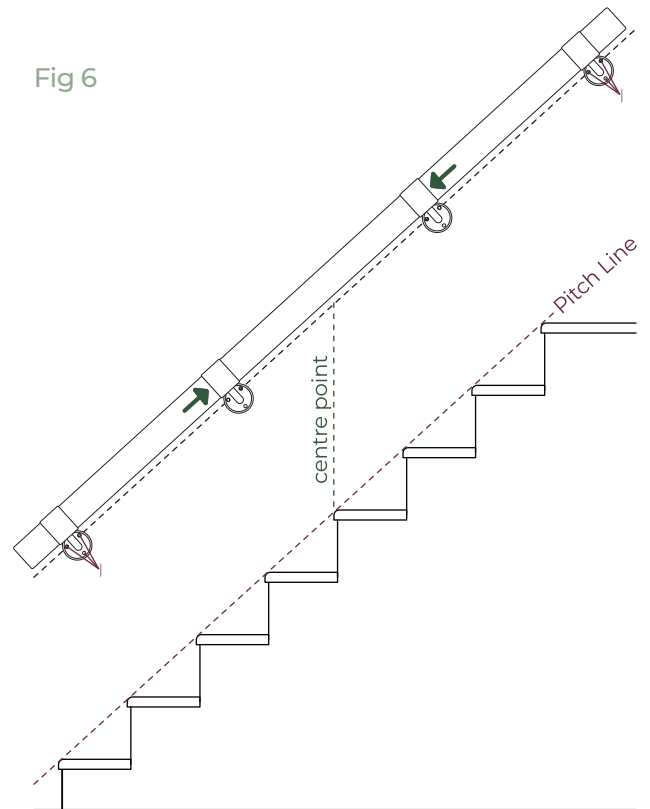
9. Attach the remaining brackets to each of the remaining rails as described in step 5, but leave a gap of 150mm from the end (Fig 5).

Fig 5



10. Place these rail and bracket assemblies into the wall brackets that had previously been fastened, making sure the rail ends meet the inserted handrail within the sleeve (Fig 6).
11. Place the wall brackets so that the two upper pre-drilled holes are in the middle of the pencil line as previously mentioned (Fig 6).
12. Drill, plug (using appropriate wall plugs), and fix the wall brackets to the wall using 3 x No. 8 x 50mm screws. Drill two pilot holes in the handrails with a 3mm drill bit at a depth of 38mm. Attach the handrails to the wall brackets using two No. 8 x 38mm screws (Fig 6).

Fig 6



13. To finish, place the end caps on either end of the rails and make a pencil mark through the centre hole and remove the cap. Make a pilot hole on the pencil mark with a 3mm drill bit. Return the cap onto the handrail and then secure it with the ornamental screws (Fig 7).

Fig 7

