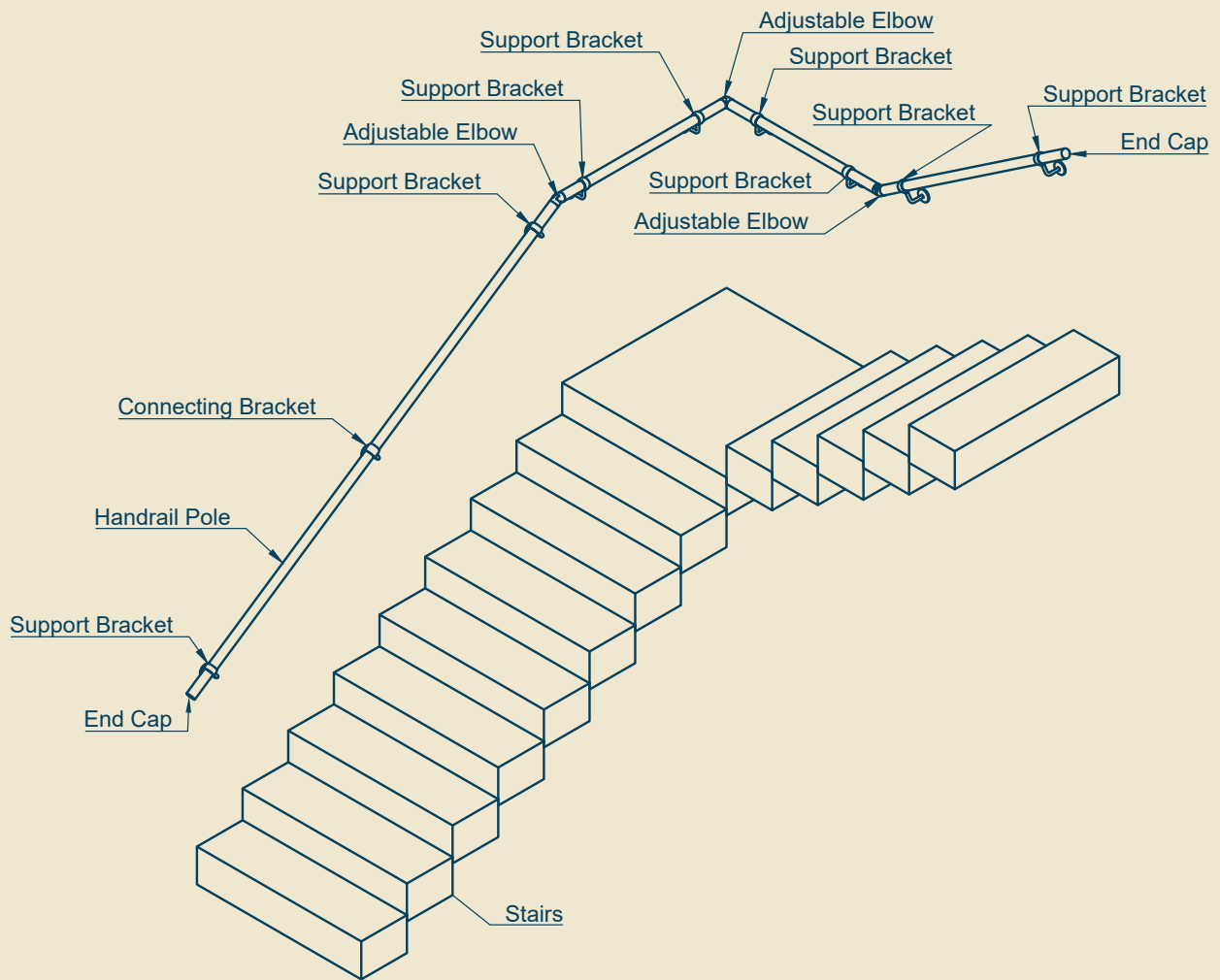


QUARTER TURN INSTALLATION GUIDE



6.0M

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Components Included

- 5 × Handrail Poles
- 8 × Support Brackets
- 1 × Connecting Bracket
- 3 × Adjustable Elbows
- 2 × End Caps
- 27 × Wall Plugs & Screws
- 1 × 2 mm Hex Key

Required to Fit

- 1 × Philips Screwdriver
- 1 × Large Straight Edge
- 1 × Electric Drill with 8 mm Masonry Bit
- 1 × Pencil

SETTING THE GUIDELINES

Step 1 – Bottom Stair to Landing

- Measure 805 mm vertically from the front edge of both the bottom and top steps.
- Connect these two points with a guideline parallel to the stair angle.
- Extend the guideline 400 mm beyond the top step, continuing at the same angle.

Step 2 – Top Stair to Landing Corner

- From the top step edge and the inside corner of the landing wall, measure 805 mm plus the stair riser height (e.g. 805 mm + 175 mm = 980 mm) vertically.
- Connect these two points with a horizontal guideline parallel to the landing floor.
- Ensure this intersects with the angled stair guideline from Step 1.

Step 3 – Landing Corner to Upper Stair Start

- From the landing floor in front of the upper stair flight and the inside corner of the landing wall, measure 805 mm plus the stair riser height vertically.
- Connect the marks with a horizontal guideline parallel to the landing floor.
- Ensure this guideline links to the one drawn in Step 2.

Step 4 – Upper Stair Guideline

- On the upper stairs, measure 805 mm vertically from the front edge of both the top and bottom steps.
 - Connect these points with a guideline parallel to the stair angle.
 - Extend this guideline 400 mm beyond the bottom step.
 - Ensure the angled stair guideline intersects with the landing guideline.
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FITTING THE COMPONENTS

Landing Section

Step 1 – Mark Bracket Positions

- From each corner of the landing wall, measure 320 mm along the horizontal guideline and mark.
- At the points where the horizontal guideline intersects the stair guidelines, measure 320 mm along each angled stair guideline toward the corner and mark.
- Ensure spacing between any two brackets on the same wall does not exceed 1000 mm.

Step 2 – Install Support Brackets (Landing)

- Install four Support Brackets at the marked positions on the landing walls.
- Align the top two holes of each bracket with the guideline.
- Mark, drill (8 mm × 50 mm), insert wall plugs, and screw into place.

Step 3 – Fit Landing Handrail Poles

- Slide one Handrail Pole through the Support Brackets on one side of the landing wall and connect it to an Adjustable Elbow positioned in the corner.
- If needed, compress the flanges of the elbow slightly to achieve a proper fit.
- Repeat with a second Handrail Pole on the opposite wall, connecting it into the same Adjustable Elbow.
- Mark each Handrail Pole where it intersects the angled stair guideline.
- Remove the poles, subtract 25 mm from each mark, and use this as the cut point.

Step 4 – Cut Handrail Poles (If Required)

- Wrap masking tape around the cutting area and mark the cut line.
- Cut using a 24–32 TPI bi-metal hacksaw blade (32 TPI recommended).
- Deburr internal and external edges to ensure a clean fit.

Step 5 – Reinstall Poles and Add Elbows

- Re-insert the cut Handrail Poles into their respective Support Brackets and reconnect the corner Adjustable Elbow.
 - Attach an additional Adjustable Elbow to the open end of each Handrail Pole in preparation for the stair connection.
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Landing to Stair Transition

Step 6 – Install First Stair Brackets

- At the intersection of each stair guideline and the horizontal landing guideline, measure 320 mm along the angled stair guideline and mark.
- Install two Support Brackets at these positions.
- Align with the stair guideline, mark, drill, insert wall plugs, and screw into place.

Step 7 – Install Lower Stair Handrail Pole

- Slide a Handrail Pole through the Support Bracket on the lower stair and connect it to the Adjustable Elbow at the landing corner.
- Tighten the grub screw to secure.
- Fit a Connecting Bracket to the open end of the pole, aligning the top holes with the stair guideline.
- Mark, drill, insert wall plugs, and screw into place.

Step 8 – Install Final Lower Stair Support Bracket

- From the centre of the Connecting Bracket, measure no more than 1000 mm toward the bottom step and mark.
- Install a Support Bracket aligned with the stair guideline.
- Mark, drill, insert wall plugs, and screw into place.

Step 9 – Install Final Upper Stair Bracket

- On the upper stair flight, measure no more than 1000 mm from the Support Bracket installed in Step 6 and mark.
- Install a Support Bracket at this mark.
- Align, mark, drill, insert wall plugs, and screw into place.

Step 10 – Install Final Upper Handrail Pole

- Slide a Handrail Pole through the Support Brackets and connect it to the Adjustable Elbow at the landing corner.
 - Adjust fit if required to ensure proper alignment and secure connection.
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Final Checks

Step 11 – Complete the Installation

- Ensure all bracket fixings and grub screws are secure and tightened.
- Fit End Caps to both open ends of the Handrail Poles.