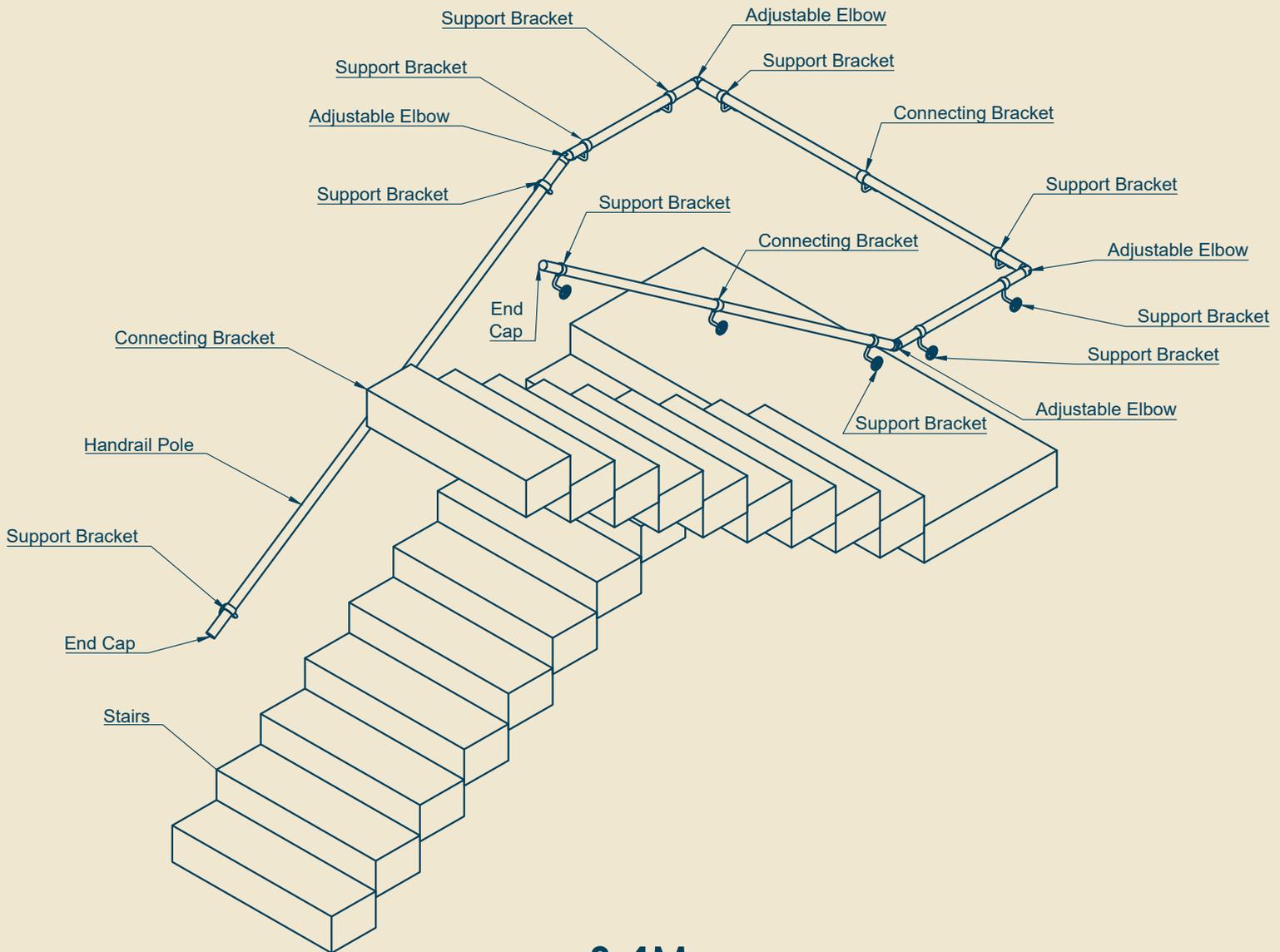


# HALF LANDING INSTALLATION GUIDE



8.4M

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## **Components Included**

- 7 × Handrail Poles
- 10 × Support Brackets
- 3 × Connecting Brackets
- 4 × Adjustable Elbows
- 2 × End Caps
- 39 × 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

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## **SETTING THE GUIDELINES**

### **Step 1 – Bottom Stair to Top Stair**

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

### **Step 2 – Top Step to Landing Corner**

- From the top step edge and the inside corner of the landing wall, measure 805 mm plus one stair riser height (e.g. 805 mm + 175 mm = 980 mm) vertically.
- Connect the two points with a horizontal guideline parallel to the landing floor.
- Ensure this guideline intersects the stair guideline from Step 1.
- Measure the full distance from the bottom step to the intersection point, then mark the centre point along the stair guideline.

### **Step 3 – Back Wall of the Landing**

- On each corner of the back landing wall, measure 805 mm plus stair riser height vertically and mark.
- Connect the points with a horizontal guideline, ensuring it intersects the previous landing guideline.
- Measure the full width between the walls and mark the centre point along the guideline.

#### **Step 4 – Final Wall of the Landing**

- On the remaining wall, measure 805 mm plus stair riser height vertically from the landing level at two points and mark.
- Connect the marks with a horizontal guideline.
- Extend this line so it intersects with the back wall guideline and continues past the bottom step.

#### **Step 5 – Upper Stair Section**

- Measure 805 mm vertically from the front edge of both the top and bottom steps on the upper stair flight.
  - Connect these marks with a guideline parallel to the stair angle.
  - Extend the guideline 400 mm beyond the bottom step.
  - Ensure this line intersects with the landing guideline.
  - Measure the full stair span and mark the centre point of the stair guideline.
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### **FITTING THE COMPONENTS**

#### **Landing Wall**

##### **Step 1 – Install Centre Connecting Bracket**

- On the back wall of the landing, install a Connecting Bracket at the centre point of the horizontal guideline.
- Align the top two holes of the bracket with the guideline.
- Mark, drill (8 mm × 50 mm), insert wall plugs, and screw into place.

##### **Step 2 – Mark Equal Bracket Spacing**

- Measure 320 mm from each corner of the landing wall along the guideline and mark.
- Check that measurements are symmetrical from the centre.

##### **Step 3 – Measure and Mark Handrail Poles**

- Measure from the Connecting Bracket to each wall and subtract 120 mm from both distances.
- Mark the two Handrail Poles accordingly.
- If the span is over 1200 mm, use additional components. If under, cutting is required.

#### **Step 4 – Cutting the Handrail Poles (If needed)**

- Wrap masking tape around the cut area and mark the cut line.
- Cut using a 24–32 TPI bi-metal hacksaw blade (32 TPI recommended).
- Deburr internal and external edges with a file or sandpaper.

#### **Step 5 – Install Left Handrail Pole**

- Slide a Support Bracket onto the first Handrail Pole and attach an Adjustable Elbow.
- Insert the pole into the Connecting Bracket.
- Align the Support Bracket's top holes with the 320 mm guideline mark.
- Mark, drill, insert wall plugs, and screw into place.

#### **Step 6 – Install Right Handrail Pole**

- Repeat the same process with the second Handrail Pole on the opposite side.
  - Insert into the Connecting Bracket and secure the Support Bracket in line with the guideline.
  - This wall is now complete.
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### **Around the Landing Corner**

#### **Step 7 – Install Corner Transition Brackets**

- From each landing corner, measure 320 mm along the horizontal guideline toward the stairs and mark.
- Install Support Brackets at these marks.
- Align the top two holes with the guideline.
- Mark, drill, insert wall plugs, and screw into place.

#### **Step 8 – Stair Guideline Transition Brackets**

- From the intersection point of each stair and landing guideline, measure 320 mm along the stair guidelines and mark.
- Install Support Brackets on both sides.
- Align, mark, drill, insert wall plugs, and screw into place.

#### **Step 9 – Measure and Mark Transition Poles**

- Slide two Handrail Poles through the Support Brackets and connect them to the Adjustable Elbows.
- Mark where each pole intersects the stair guideline.
- Remove, subtract 25 mm, and use this as the cutting point.

### **Step 10 – Cut Transition Poles**

- Wrap tape, mark, and cut with a hacksaw (32 TPI recommended).
- Deburr the ends for a clean, safe fit.

### **Step 11 – Reinstall and Connect**

- Re-insert the cut Handrail Poles and reconnect to the Adjustable Elbows.
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## **Stair Sections**

### **Step 12 – Install Lower Stair Brackets**

- From the intersection point on each side of the stairs, measure 320 mm along the stair guideline and mark.
- Install Support Brackets at these marks.
- Align, mark, drill, insert wall plugs, and screw into place.

### **Step 13 – Install Lower Handrail Poles**

- Slide two Handrail Poles through the Support Brackets and connect to the Adjustable Elbows on the landing.
- At the centre mark of each stair guideline, install a Connecting Bracket.
- Align the top holes with the guideline.
- Mark, drill, insert wall plugs, and screw into place.

### **Step 14 – Final Stair Brackets**

- From each Connecting Bracket, measure no more than 1000 mm along the stair guideline and mark.
  - Install a final Support Bracket on each side.
  - Align, mark, drill, insert wall plugs, and screw into place.
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## **Final Checks**

### **Step 15 – Complete the Installation**

- Ensure all Support Brackets, Connecting Brackets, and grub screws are secure and fully tightened.
- Fit End Caps to all exposed ends of the Handrail Poles to complete the installation.