



## Components Included

- 6 × Handrail Poles
- 6 × Support Brackets
- 3 × Connecting Brackets
- 2 × 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 Step to First Turning Wall

- Measure 805 mm vertically from both the front edge of the bottom step and the first turning wall.
- Connect these two marks with a guideline parallel to the stair angle.

### Step 2 – Centre Point and Bracket Marks (First Turning Wall)

- Measure the total distance from the bottom step edge to the first corner wall (e.g.  $3600 \text{ mm} \div 2 = 1800 \text{ mm}$ ) and mark the centre of the guideline.
- From the first corner wall, measure 320 mm toward the bottom step and mark the Support Bracket position.

### Step 3 – First to Second Turning Wall

- Measure 805 mm vertically from both the first and second turning walls and mark.
- Connect the two marks with a guideline parallel to the stair angle.

### Step 4 – Centre Point and Bracket Marks (Second Turning Wall)

- Measure the total span between the first and second turning walls (e.g.  $3600 \text{ mm} \div 2 = 1800 \text{ mm}$ ) and mark the centre point.
- From the first corner wall, measure 320 mm toward the second corner and mark.
- From the second corner, measure 320 mm toward the first corner and mark.

### **Step 5 – Second Turning Wall to Top Step**

- Measure 805 mm vertically from both the second turning wall and the top step edge.
- Connect the two marks with a guideline parallel to the stair angle.

### **Step 6 – Centre Point and Bracket Mark (Upper Stair Section)**

- Measure the total span between the second corner and the top step (e.g.  $3600 \text{ mm} \div 2 = 1800 \text{ mm}$ ) and mark the centre point along the guideline.
  - From the second corner wall, measure 320 mm toward the top step and mark the bracket position.
- 

## **FITTING THE COMPONENTS**

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

- On the wall between the first and second corners, install a Connecting Bracket at the centre point of the 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 – Install Lower Handrail Pole (First Side)**

- Slide a Support Bracket onto a Handrail Pole and attach an Adjustable Elbow to one end.
- Insert the opposite end into the Connecting Bracket.
- Align the Support Bracket's top holes with the 320 mm guideline mark.
- Mark, drill, plug, and screw into place.

### **Step 3 – Cut Handrail Pole (If Required)**

- Wrap masking tape around the cut area and mark with a pencil.
- Cut using a 24–32 TPI bi-metal hacksaw blade (32 TPI recommended).
- Deburr both ends for a smooth fit.

### **Step 4 – Install Upper Handrail Pole (Second Side)**

- Repeat the same process on the opposite side of the Connecting Bracket using a second Handrail Pole.
- Fit a Support Bracket and Adjustable Elbow.
- Align, mark, drill, plug, and screw into place.

#### **Step 5 – Install Lower Stair Bracket**

- On the lower stairs, install a **Support Bracket** at the **320 mm** mark from the first corner wall.
- Align the bracket with the guideline.
- Mark, drill, plug, and screw into place.

#### **Step 6 – Install Lower Stair Handrail Pole and Connecting Bracket**

- Slide a **Handrail Pole** through the installed **Support Bracket** and connect it to the **Adjustable Elbow**.
- Tighten the grub screw to secure.
- Fit a **Connecting Bracket** to the open end of the pole, aligned with the stair guideline.
- Mark, drill, plug, and screw.

#### **Step 7 – Final Lower Stair Bracket**

- From the centre of the **Connecting Bracket**, measure no more than **1000 mm** toward the bottom step and mark.
- Install a **Support Bracket** at this position.
- Align, mark, drill, plug, and screw into place.

#### **Step 8 – Install Upper Stair Bracket**

- On the upper stairs, install a **Support Bracket** at the **320 mm** mark from the second corner wall.
- Align the top two holes with the guideline.
- Mark, drill, plug, and screw.

#### **Step 9 – Install Upper Stair Handrail Pole and Connecting Bracket**

- Slide a **Handrail Pole** through the **Support Bracket** and connect it to the **Adjustable Elbow**.
- Tighten the grub screw to secure.
- Fit a **Connecting Bracket** at the end of the pole, aligned with the guideline.
- Mark, drill, plug, and screw into place.

#### **Step 10 – Final Upper Stair Bracket**

- From the centre of the **Connecting Bracket**, measure no more than **1000 mm** toward the top step and mark.
- Install a **Support Bracket** at this mark.
- Align, mark, drill, plug, and screw into place.

### **Step 11 – Fit Final Handrail Pole**

- **Slide the final Handrail Pole through the Support Bracket and insert it into the Connecting Bracket.**
- 

### **Final Checks**

#### **Step 12 – Complete the Installation**

- **Ensure all Brackets and grub screws are secure and fully tightened.**
- **Fit End Caps to the exposed ends of the Handrail Poles.**