

Fixing instructions for climbing holds, macros and volumes

Installation of climbing holds must be carried out by a trained route-setter or climbing wall technician.

Steps to follow:

1. **Wall inspection.** Check for cracks, damaged fixing holes, loose inserts, and damage to the mounting surface. Panels should be inspected regularly for delamination, moisture damage, and any visible movement in the panel-to-frame fixing.
2. **Position the hold.** Place its full mounting face against the wall. Keep debris out from behind it and avoid mounting it across an uneven joint.
3. **Fit the main bolt, where provided.** The standard climbing hold bolt is M10 zinc plated or stainless steel with a socket cap head produced according to the DIN EN ISO 4762. Engage it fully in the wall insert without bottoming it out. Please check the file "Type and length of fixings" for all the lengths required for our climbing holds. Every designated fixing point must be used.
4. The recommended M10 main-bolt tightening torques are:

XS – 15 Nm - (0 – 50 mm)

S - 20 Nm - (50 – 80 mm)

M - 25 Nm - (80 – 130 mm)

L - 30 Nm- (130 – 210 mm)

XL - 35 Nm- (210 – 340 mm)

Reduced (Hollow backed) - 20 Nm

* Use the size category shown on the product page.

5. Fixing of Macros and Plywood volumes

Use every designated fixing point. Select the countersunk wood screw specified for the product in “Type and length of fixings.” Where that schedule specifies a 5 × 60 mm screw, we recommend the Würth ASSYplus 4 CSMP Universal screw. Mount the product on a flat, stable wall panel. Use a drill driver, not an impact driver. Tighten the screws progressively in a cross pattern when fixing macros. Replace the screws each time the product is removed and repositioned.

6. **Check the installation.** The holds, volumes and macros must sit firmly against the wall and must not rotate, rock, or shift when loaded by hand.
7. **Inspect during use.** Check holds as part of the wall’s inspection programme and after any reported movement or impact. Remove a loose, cracked, or damaged hold from use until the cause is corrected. Inspect all routes and circuits at intervals no longer than 6 weeks.
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