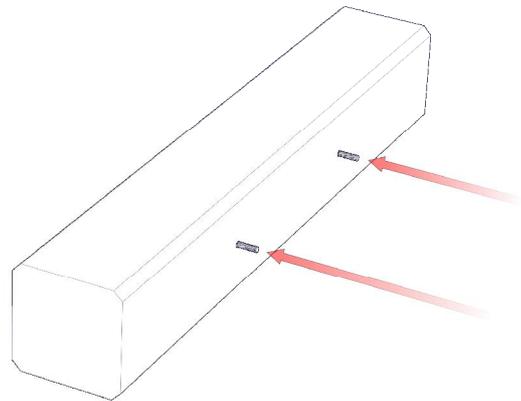




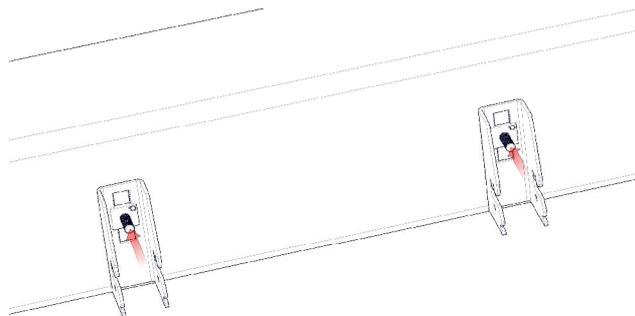
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Standard Site Installation Details

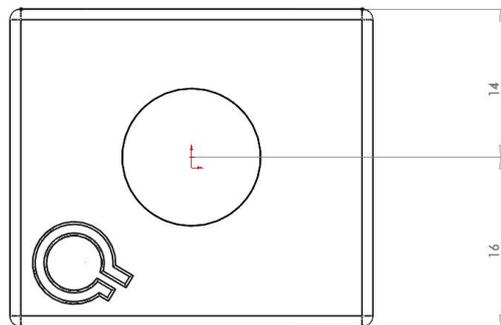
When fixing to concrete, insert M12 expansion bolts or approved chemical anchors into pre-drilled holes. Qwik-Fix™ Angle can also be installed using a cast-in channel supplied by Qwik-Fix Construction Accessories. When fixing to steel, insert approved bolts into pre-drilled cleats.



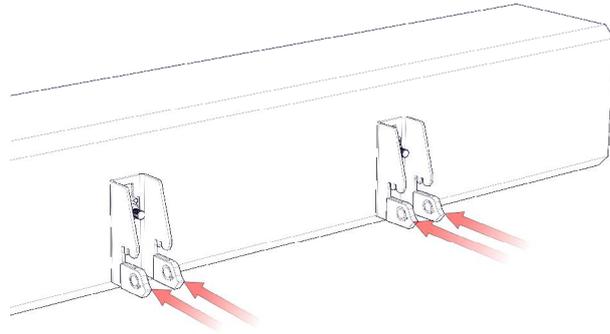
Place brackets over the protruding expansion bolts, ideally around the middle of the indexed aperture at the back of the bracket so as to allow the maximum positive and negative adjustment. Pass the lock washer over the expansion bolt.



The hole in the lock washer has been intentionally off-centred by 1mm. This allows millimetre-accurate positive and negative adjustment by rotating the lock washer through 180 degrees when engaging with the bracket's toothed aperture.

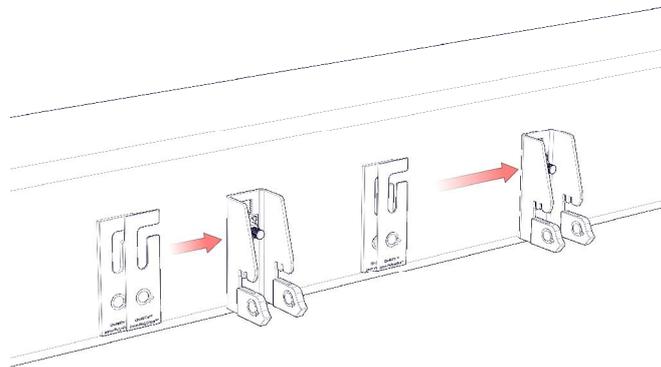


Some cavities require Qwik-Fix™ nylon extender shoes to be fastened to the bracket's feet. Extender shoes are provided as standard.

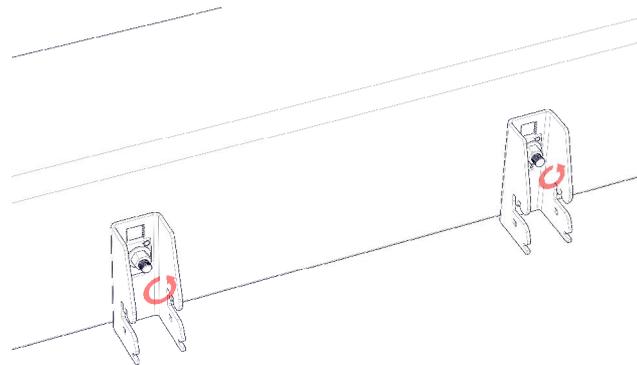


Some cavities require additional shimming at the back of the bracket. This can be provided by a 6mm nylon extender shim.

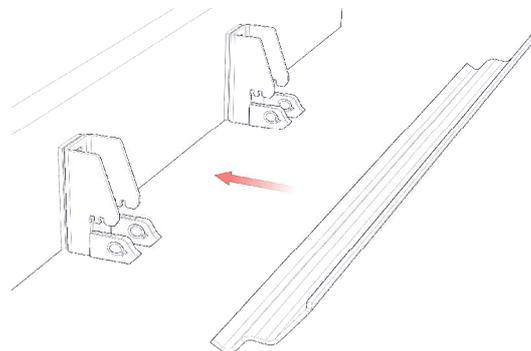
Qwik-Fix™ Angle is supplied with a 2mm thermal isolation shim as standard, which also helps negate bi-metallic corrosion when fixing stainless steel brackets to mild steel beams or cleats.



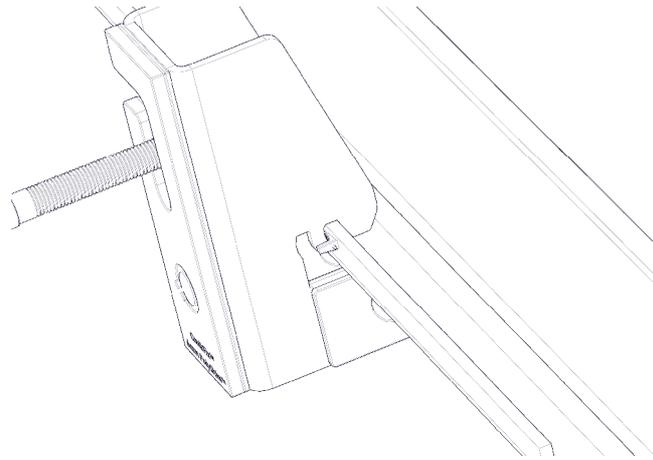
When the brackets are sufficiently level to guarantee a perfectly horizontal seating for the angle section, tighten the lock nuts to secure position.



The angle section can now be rotated into place. If no extender shoe is fastened, ensure that the angle engages with the bracket's inner scalloped aperture, so as to guarantee perfect seating.

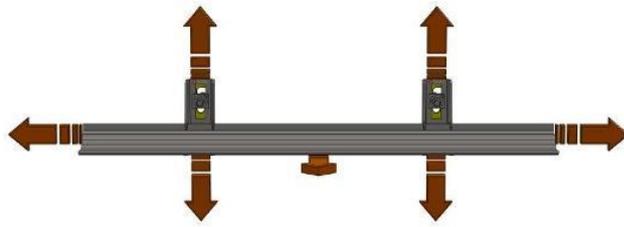


A nylon restraint peg, provided attached to the extender shoes, can be placed in the scalloped tooth behind the angle to further secure same.



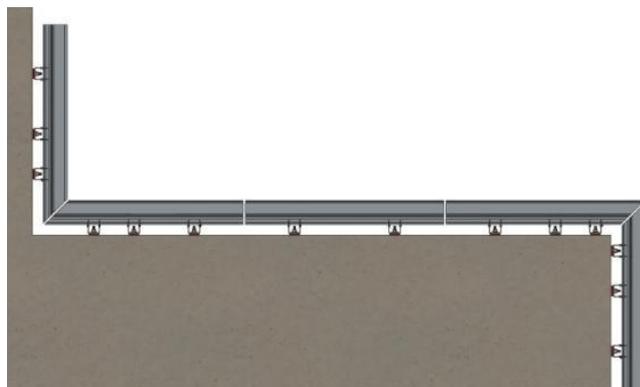
Standard Setting-Out & Adjustment Details

- A standard bracket offers 12mm of integrated positive **adjustment across the cavity** by fastening Qwik-Fix™ Extender Shoes.



- Further positive adjustment across the cavity can be achieved by fitting Qwik-Fix™ Extender **shims** behind the brackets, up to a maximum distance equivalent to the diameter of the fixing bolt.
- A maximum of 48mm of **vertical adjustment** is achievable with all Qwik-Fix™ bracket, accurate to ± 1 mm.

- Most standard Qwik-Fix™ Angle systems provide for **two brackets per angle**. Specific angle lengths, bracket centres and setting out details should be confirmed through your local selling agent before installation commences.



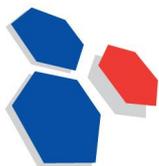
- **Corner sections** comprise standard mitred angle sections 850mm long and three brackets per section. One bracket should be centred 150mm from the corner of the wall. The second bracket should be centred 150mm from where the first bracket is centred. The third bracket should be centred towards the end of the angle; this varies depending on the load supported by the angle.

- Corner sections should be installed prior to straight sections.
- Angles are supplied in standard lengths and can be **cut on site** to a length no less than 300mm. Corner sections should never be cut.
- A gap of 10mm between each angle section should be allowed.
- Qwik-Fix™ Angle should always be installed with the angle profile in full contact with the **bearing** sections of the bracket.
- A minimum of two-thirds bearing should be allowed for the masonry on the supporting angle; i.e. the masonry should over hang the angle by no more than one third of its own width.
- Vertical **displacement** on the leading edge of the angle of up to 2mm under full load is normal. Sufficient space should be allowed in installation between the bottom of the angle and the compressible filler to allow for this displacement.
- The first **restraint** above the support should be within 300mm of the angle.

Safety Notice & Legal Disclaimer

- Gloves should always be worn when installing Qwik-Fix™ Angle, because shorn edges may be sharp.
- These installation instructions offer no guidance on how Qwik-Fix™ Angle interacts with insulation, mortar, epoxies, backing rods or compressible fillers. Please refer to masonry construction best practice guidelines in your local jurisdiction.
- Qwik-Fix™ Angle is manufactured using Grade 1.4301 (304) Austenitic Stainless Steel and Grade 1.4162 Duplex Stainless, unless otherwise indicated or specified.
- Qwik-Fix™ Angle must be fitted in strict compliance with these instructions using only fixings specified, approved or supplied by Qwik-Fix™ or an approved selling agent.
- For installation guidance on non standard units, refer to the manufacturer or your local selling agent.

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