



HANGING CLIP MECHANICAL RETENTION SYSTEM





BIHUI Hanging Clip Mechanical Retention System

The BIHUI Hanging Clip Mechanical Retention System provides an additional level of concealed mechanical security for large-format porcelain, ceramic and natural stone wall tiles. Used alongside an approved tile adhesive, the clips help retain the tile if the adhesive bond is compromised.

Designed for large-format installations, the system offers:

Secondary Mechanical Retention – Provides additional support to complement the adhesive installation.

Concealed Finish – Installed into a slot on the rear of the tile, remaining completely hidden after installation.

Large-Format Compatibility – Suitable for porcelain panels, ceramic tiles and natural stone.

Stainless Steel Construction – Corrosion-resistant for long-term performance in internal and external applications.

Precision Installation – Used with the BIHUI Slotting Bracket, which attaches to a compatible angle grinder to create a consistent slot for accurate clip placement.

Disclaimer: BIHUI Hanging Clips are intended as a supplementary mechanical retention system and must be installed in conjunction with an approved tile adhesive. They are not intended to replace project-specific mechanical fixing requirements where specified by engineering or building regulations.



Installation Overview

Slot the Tile – Use the BIHUI Slotting Bracket and a suitable diamond blade to machine a slot in the rear of the tile.

Install the Clip – Insert the stainless-steel hanging clip into the slot. A suitable structural epoxy may be used where specified.

Fix to the Substrate – Secure the clip to the wall using an appropriate mechanical fastener.

Install the Tile – Fix the tile with an approved tile adhesive. The adhesive provides the primary bond, while the clip provides supplementary mechanical retention.

Features & Benefits

- Concealed mechanical retention
- Suitable for large-format porcelain, ceramic and natural stone
- Precision slotting using a standard angle grinder
- Corrosion-resistant stainless steel
- Simple, repeatable installation
- Ideal for residential and commercial wall applications
- The BIHUI Hanging Clip System provides a practical, concealed method of adding supplementary mechanical retention to large-format wall tile installations while maintaining a clean architectural finish.



Adhesive for Clips

To secure the BIHUI Hanging Clip into the machined slot in the back of the tile, the adhesive should be a high-strength structural epoxy adhesive rather than a tile adhesive.

Suitable products include:

Two-part structural epoxy resin (preferred) – provides excellent bond strength to porcelain, ceramic, and natural stone, with high resistance to moisture, vibration, and temperature changes.

Construction-grade epoxy anchoring adhesives that are compatible with ceramic and stone substrates.

In some applications, methacrylate (MMA) structural adhesives may also be suitable if approved by the manufacturer.

Installation Recommendation

Machine the slot into the rear of the tile using the BIHUI Slotting Bracket.

Thoroughly clean the slot to remove all dust and debris.

Fill the slot with an appropriate two-part structural epoxy.

Insert the stainless-steel hanging clip, ensuring full encapsulation of the clip within the epoxy.

Allow the epoxy to fully cure in accordance with the manufacturer's instructions before handling or installing the tile

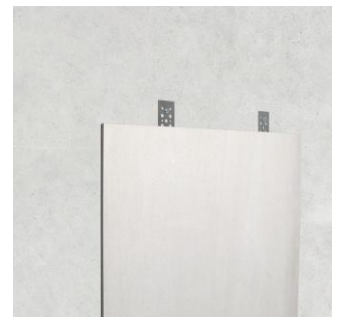
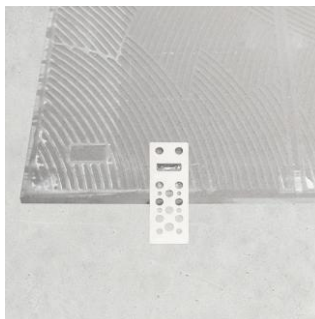
Slotting Bracket (LFSCG)

- Compatible with angle grinders ranging from 600W to 1200W
- Fits with 125mm cutting discs
- 45 degree cutting angle
- Cutting depth: 8-22mm
- Triangle shaped semi-enclosed structure with dust extraction connection
- Ideal for slotting stone slabs, tiles and stone materials



Tile Hanging Clips (LFSCG-S6)

- Packet of 120 clips
- Perfect for large-format tiles, stone slabs and natural stone materials
- Compatible with M8 threaded nails or expansion screws for secure installation
- Made of durable, corrosion-resistant stainless steel 304 for long lasting performance
- Features a 45-degree bent hook design to prevent slipping and to ensure stability
- Size: 120 x 40 x 0.6mm





DISCLAIMER

The BIHUI Hanging Clip System is intended to provide secondary mechanical retention only and is not designed or certified to replace an engineered primary mechanical fixing system where such a system is required by the project specification, applicable building codes, or relevant standards.

The suitability of this product for any installation must be assessed by the project designer, engineer, or building certifier. It is the responsibility of the installer to ensure that all materials, substrates, adhesives, fixings, and installation methods comply with the relevant Australian Standards, the National Construction Code (NCC), and all applicable project-specific requirements.

BIHUI Hanging Clips are designed to be used in conjunction with an appropriate tile adhesive system and are not intended to be relied upon as the sole means of supporting wall tiles or stone panels in commercial or engineered façade applications where certified mechanical fixing systems are specified.