

# STRONGARM BRACE

Studco M110 StrongArm® Structural Wall Brace

## PRODUCT DESCRIPTION

The Studco M110 StrongArm® structural wall brace is designed for rapid in-wall strengthening of free-standing steel stud walls in commercial applications, where a structural member is required to limit deflection and improve rigidity of certain walls. When installed, the structural wall brace becomes an integral member of the Studco steel stud wall system.

## FEATURES

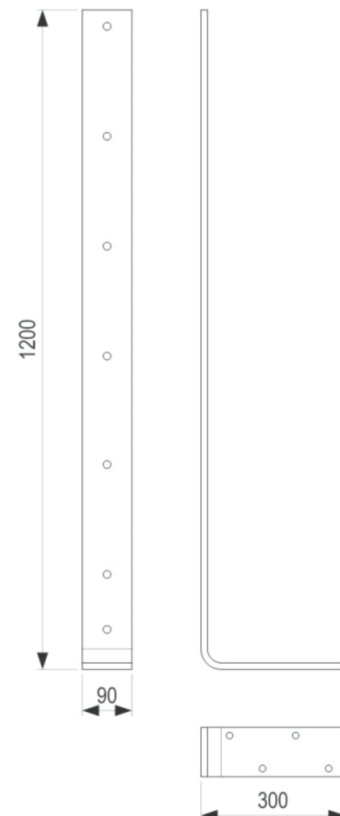
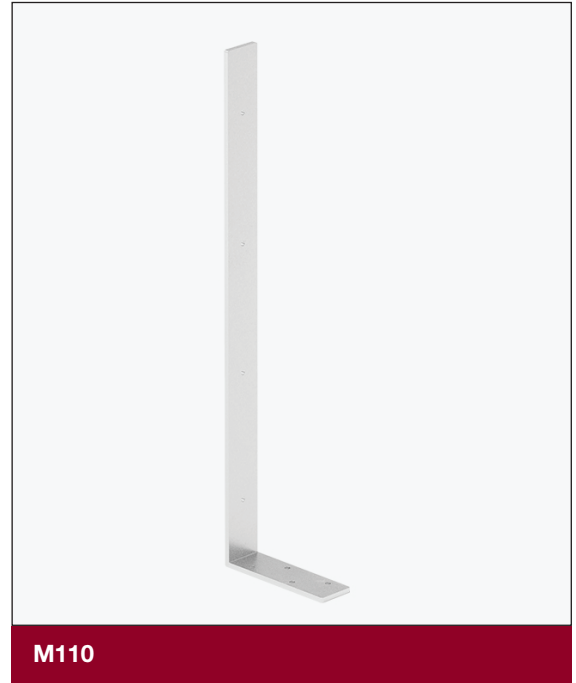
- Improves strength of wall and greater resistance to wind forces and impact loads.
- Tested for use in internal and external applications.
- Does not protrude outside of the framing line of a 92mm stud wall.
- Removes the need for custom-made structural steel – in stock and ready for immediate delivery.
- Engineered to meet all structural compliance requirements of Australian Standards and BCA guidelines.
- Fast and easy to install – less labour required to install.
- Designed to suit 92mm and 150mm steel stud walls – allows steel studs to be easily fixed by bolts and can be installed after wall framing is installed, through the bottom track section of the wall.
- Finished in hot dip galvanized coating for maximum longevity.
- Bracket is supplied at 1200mm long. It can easily be used in smaller walls by cutting the bracket down to desired height with an angle grinder.
- For all external applications, please contact Studco Technical Services for project-specific engineering documentation.
- For internal walls higher than 2400mm, please contact Studco Technical Services for projectspecific engineering documentation.

## APPLICATION

The Studco M110 StrongArm structural wall brace can be installed in any internal or external wall application that is in constructed from the Studco steel stud system. Typical installations include free-standing walls, nib walls, plaster balustrades, half-height walls, unsupported bulkhead walls, smoke baffles and infill walls below windows.

## INSTALLATION

Use structural wall brace to strengthen steel stud wall in accordance with manufacturers specifications that is (a) manufactured from 90 x 12mm G300 steel, (b) supplied with span tables and engineering documentation to ensure correct installation, (c) guaranteed as an integral member on the wall framing system, (d) performance engineered and tested for compliance to AS1170-2002 and AS4100-1998 and (e) hot-dipped galvanised to AS4680-2006 for long term corrosion-resistance. Performance and conformance of product must be documented and provided with the product and filed with installer's warranty. Fix to concrete floor with min. 4NO x 12mm masonry sleeve anchors with min. 65mm embedment. Fix to steel wall studs with M10 flanged nut and bolt at max. 400mm centres. Contact 1800 STUDCO for information about Studco M110 StrongArm structural wall brace.



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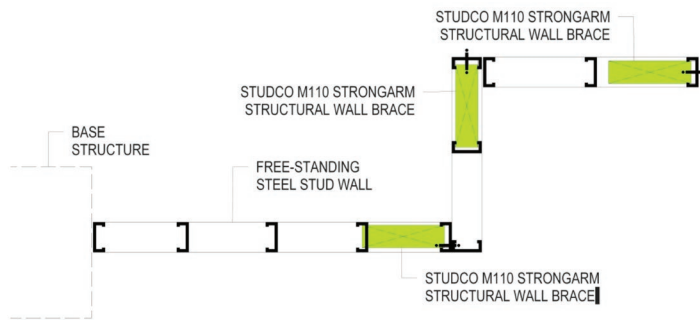
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Leaders in Innovative  
Building Products



## INSTALLATION

One Studco M110 StrongArm structural wall brace should be provided within the wall structure at the spacings noted below, at all free-standing (free-hanging) wall ends and at the each corner of the wall as the wall changes in direction (refer to diagram below).



INSTALLATION



## PRODUCT RANGE

### Ordering Information

Part No.	Description	Sub Pack	Stock Pack	Approx kg/pce
<b>M110</b>	Studco StrongArm structural wall brace 1200mm long	1	10	10.2

Wall Height	Brace Spacing	Stud Size	Stud Spacing
600mm	2400mm centres max.	Studco 92 x 0.75 BMT	600mm centres max
900mm	1800mm centres max.	Studco 92 x 0.75 BMT	600mm centres max
1200mm	1800mm centres max.	Studco 92 x 0.75 BMT	600mm centres max
1500mm	1800mm centres max.	Studco 92 x 1.15 BMT	600mm centres max
1800mm	1800mm centres max.	Studco 92 x 1.15 BMT	450mm centres max
2100mm	1350mm centres max.	Studco 92 x 1.15 BMT	450mm centres max
2400mm	900mm centres max.	Studco 92 x 1.15 BMT	450mm centres max

- Wall heights and Studco M110 StrongArm structural wall brace spacings: see table left
- Design considerations relating the table left:
  - Design pressure PULT: 0.4kpa
  - Live impact load consideration: 0.75kN
  - Absolute deflection limitation: 12mm max.
  - Max. double layer 13mm plasterboard on both side



## WARRANTY

This product is covered by Studco's Warranty. Conditions and limitations of warranties are set out in Studco Project Warranty certificate.



## FURTHER ASSISTANCE

Contact the Technical Team at Studco for assistance with specifications, product selection, acoustic engineering, and structural engineering enquiries. Call on 1300 255 255 or contact us at sales@studcosystems.com.au.



## ACCREDITATION



**For Sales Enquiries, please contact Studco Building Systems on 1300 255 255**