

Alternative solution to NZS3604 for Mechanical Fixings on in Timber Framing on Decks.

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## Level of assurance needed to demonstrate NZ Building Code Compliance

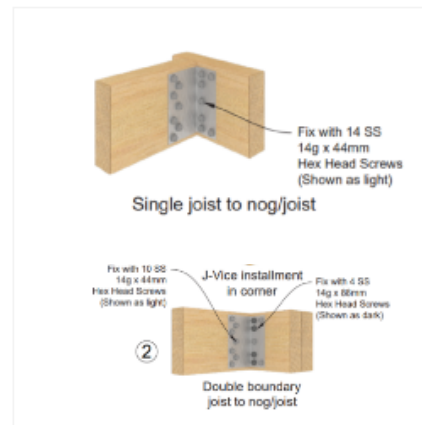
Supporting documentation should include self-assessment and technical information by manufacturer



J VICE confirms that this minimum level of assurance has been met or exceeded by the following:

Glass Vice Products

[PS1](#)



## masterspec partner

### Company Contact Details



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## Technical Statement

### Product Description

Glass Vice Products has developed a new Alternative solution to NZS3604 for fixings for glass balustrades on timber decks. The JV100 replaces Strapping planing and bolting which is required under NZS3604. Therefore the JV100 provides adequate strength and support while saving time on the installation process.

Patent 718944 ©2016 C.V.H.C J-Vice

### Scope of use

Introducing the J-Vice JV100 Deck solution The J-Vice JV100 is for face fixed and top fixed systems. Provides a solution for 140 x 45, 190 x 45 and 240 x 45.

The J-Vice JV100 clamp is designed specifically for glass balustrades where wind loads are a big factor in design loading. Once the timber is in place the J Vice is placed in the corner, on one side of the double boundary joist.

Can Be used for Single, Double and triple joists, with the length of the Hex Head screws increasing as the joist depth increases.

Deck designer to ensure the structure can support the appropriate horizontal and vertical loads.

### New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause B1 Structure:** Performance B1.3.4(b)
- **Clause B2 Durability:** Performance B2.3.2(a), B2.3.2(b)
- **Clause F4 Safety from falling:** Performance F4.3.4(c)

### Evidence

The product meets the requirements set out in the following documents, or relevant parts of cited standards within the documents:

The JV100 for deck barriers with a load of .75kN/m is certified by testing.

Airey Consultants Ltd TEST REPORT FO GLASS VICE PRODUCTS LTD.

JV100

### Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:

Glass Vice Products

[PS1](#)

## Product Criteria

### Design requirements

The J Vice 100 Bracket for exterior Deck Barriers with a load of 0.75kN/m is certified by testing.

The bracket fixes the deck joists to the boundary joist. It resists twist from barrier loads and simultaneously works as a joist hanger.

Deck designer to ensure the structure can support the appropriate horizontal and vertical loads.

maximum wind zone of very high according to NZS3604:2011

The barrier is not on a parapet or a building greater than 3 stories high.

## Installation requirements

Once the timber is in place the j-Vice is placed in the corner, on one side of the double boundary joist.

Refer to fixings table for post centers and screw lengths which are dependent on the joist lengths and depths.

## Maintenance requirements

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## Warrantees

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## Company Product Information

### Environmental

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### Quality Assurance



ISO 9001 (Quality Management)



Date last validated: **01 October 2021**



Date last updated: **01 October 2021**

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