

Date: August 2023

## Product Disclosure Information – Company Assessment

**Product Name:** CNA, CSA Ring Shank Nails and Screws for Mass Timber Connectors  
**Product Category:** Fasteners for Mass Timber Metal Connectors  
**Product Identifier:** UPC (Unique Product Code)

CNA4.0X50 - 5701953212209  
 CNA4.0X60 - 5701953504304  
 CNA4.0X60S - 5701953534608  
 CSA5.0X40S - 5701953565008  
 CSA5.0X40 - 5701953444105  
 CSA5.0X50 - 5701953822804

1.

## Product Description

CNA Ring Shank Connector Nails  
 Diameter: 4.0mm  
 Length: 50mm | 60mm  
 Finish: Carbon Steel | Stainless Steel  
 CSA Connector Screws  
 Diameter: 5.0mm  
 Length: 40mm | 50mm  
 Finish: Electro Galvanised | Stainless Steel

2.

## Relevant Building Code Clauses

**Simpson Strong-Tie products,**

**If designed, installed, and maintained in accordance with 3603 and 3604, meet the following provisions of the NZBC.**

**Clause B1 STRUCTURE:** Performance B1.3.1, B1.3.2 and B1.3.4. Simpson Strong-Tie products meet these requirements for loads arising from self-weight, wind and impact [i.e. B1.3.3(a), (h) and (j)]. See Paragraphs 8.1 to 8.3.

**Clause B2 DURABILITY:** Performance B2.3.1 (b), 15 years and B2.3.2. Simpson Strong-Tie Products meet these requirements. See Paragraphs 9.1 to 9.3.

**Clause E2 EXTERNAL MOISTURE:** Performance E2.3.2. Simpson Strong-Tie Stainless Steel products meet this requirement. See Paragraph 10.1.

**Clause F2 HAZARDOUS BUILDING MATERIALS:** Performance F2.3.1. Simpson Strong-Tie meet this requirement and will not present a health hazard to people.

3.

## Contributions to Compliance

Refer to Simpson Strong-Tie (New Zealand) Limited Website ([strongtie.co.nz](http://strongtie.co.nz)) for details of the current technical literature for all Simpson Strong-Tie products. The Technical Literature must be read in conjunction with all aspects of design, use, installation and maintenance contained in the technical literature and within the scope of appropriate design, application and installation as per the relevant building code clauses within the current New Zealand Building Code. If certain products have been Branz Appraised, the appraisal will be found under the technical documents tab on the product information page or the relevant product.

4.

## Scope of use:

CNA Ring-Shank Connector Nail is tested and approved for use with Simpson Strong-Tie joist hangers, brackets, straps and nail plates.

The CSA connector screw is specifically designed to fasten steel brackets to wood. The smooth shaft under the head fits tightly to the hole in the bracket. This provides a stiff connection with larger cross-resistance than standard screws.

Ideal for use in Mass Timber Construction.

5.

## Conditions of Use

### Installation Information: Installation Skill Level Requirements

Installation of Simpson Strong-Tie products must be completed by, or under the supervision of a qualified Licensed Building Practitioner. Installation instructions can be found on the Simpson Strong-Tie website, within applicable and appropriate literature associated with the relevant product.

6.

## Maintenance

Simpson Strong-Tie structural elements do not require regular maintenance as long as they are selected using our corrosion guidance. In exposed conditions, regular inspection of fixings and fasteners should be conducted.

Corrosion information can be found on the website ([www.strongtie.co.nz](http://www.strongtie.co.nz)) or by following this link.

<https://strongtie.co.nz/resources#corrosion-information>

7.

## Supporting Documentation

### Type: Mass Timber Connector Catalogue

Version: C-MT-AUNZ23

<https://strongtie.co.nz/products/cna-ring-shank-connector-nail>

<https://strongtie.co.nz/products/csa-connector-screw-collated-loose>

8.

## Company Contact Details

<b>Importing Branch:</b>	Simpson Strong-Tie New Zealand
<b>Address:</b>	52A Arrenway Drive Albany, Auckland 0632 New Zealand
<b>Phone:</b>	+64 9 477 4440
<b>Website:</b>	<a href="http://www.strongtie.co.nz">www.strongtie.co.nz</a>

<b>Manufacturing Branch:</b>	Branch 3600 Denmark
<b>Address:</b>	Hedegaardsvej 11, Boulstrup DK-8300 Odder DENMARK
<b>Website:</b>	<a href="http://www.simpsonmfg.com">www.simpsonmfg.com</a>
<b>Phone:</b>	Please call NZ Head Office.

**9.**

**Warnings and Bans**

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?

No

**10.**

**Appendix – BPIR Ready Selections**

**B1 Structure**

**B1.3.1**

*Buildings, building elements and site work* shall have a low probability of rupturing, becoming unstable, losing equilibrium, or collapsing during *construction* or *alteration* and throughout their lives.

**B1.3.2**

*Buildings, building elements and sitework* shall have a low probability of causing loss of amenity through undue deformation, vibratory response, degradation, or other physical characteristics throughout their lives, or during *construction* or *alteration* when the *building* is in use.

**B1.3.3**

Account shall be taken of all physical conditions likely to affect the stability of *buildings; building elements and site work*, including:

- (b) Imposed gravity loads arising from use
- (d) earth pressure
- (e) water and other liquids
- (f) earthquake
- (g) snow
- (h) wind
- (j) impact
- (q) time dependent effects including creep and shrinkage

**B1.3.4**

**Due allowances shall be made for:**

- the consequences of failure,
- the intended use of the *building*,
- effects of uncertainties resulting from *construction* activities, or the sequence in which *construction* activities occur,
- variation in the properties of materials and the characteristics of the site, and
- accuracy limitations inherent in the methods used to predict the stability of *buildings*

## 10.

### Appendix – BPIR Ready Selections

#### B2.3.1

*Building elements* must, with only normal maintenance, continue to satisfy the performance requirements of this code for the lesser of the *specified intended life* of the *building*, if stated, or:

- (a) The life of the building, being not less than 50 years, if:
  - those *building elements* (including floors, walls, and fixings) provide structural stability to the *building*, or
  - those *building elements* are difficult to access or replace, or
  - failure of those *building elements* to comply with the *building code* would go undetected during both normal use and maintenance of the building