

Joist Strap

GALVANISED

Application

The Bremick® Joist Strap is ideal for connecting 2 timber members that intersect at right angles. Typical applications include rafters to beams, purlins to rafters or trusses, hanging beams to ceiling joists and floor joists to bearers.

Advantages

The Bremick® Joist Strap provides numerous benefits including:

- Built-in nails for easy fastening of the strap to timber members.
- Pre-drilled nail holes to allow easy fixing of nails.



Specifications

Steel Grade	G300
Coating	Z275 – Galvanised
Thickness	0.6mm
Width A	23mm
Width B	6mm
Length	162mm
Fasteners	Bremick® 35 x 3.15mm Timber Connector Nails



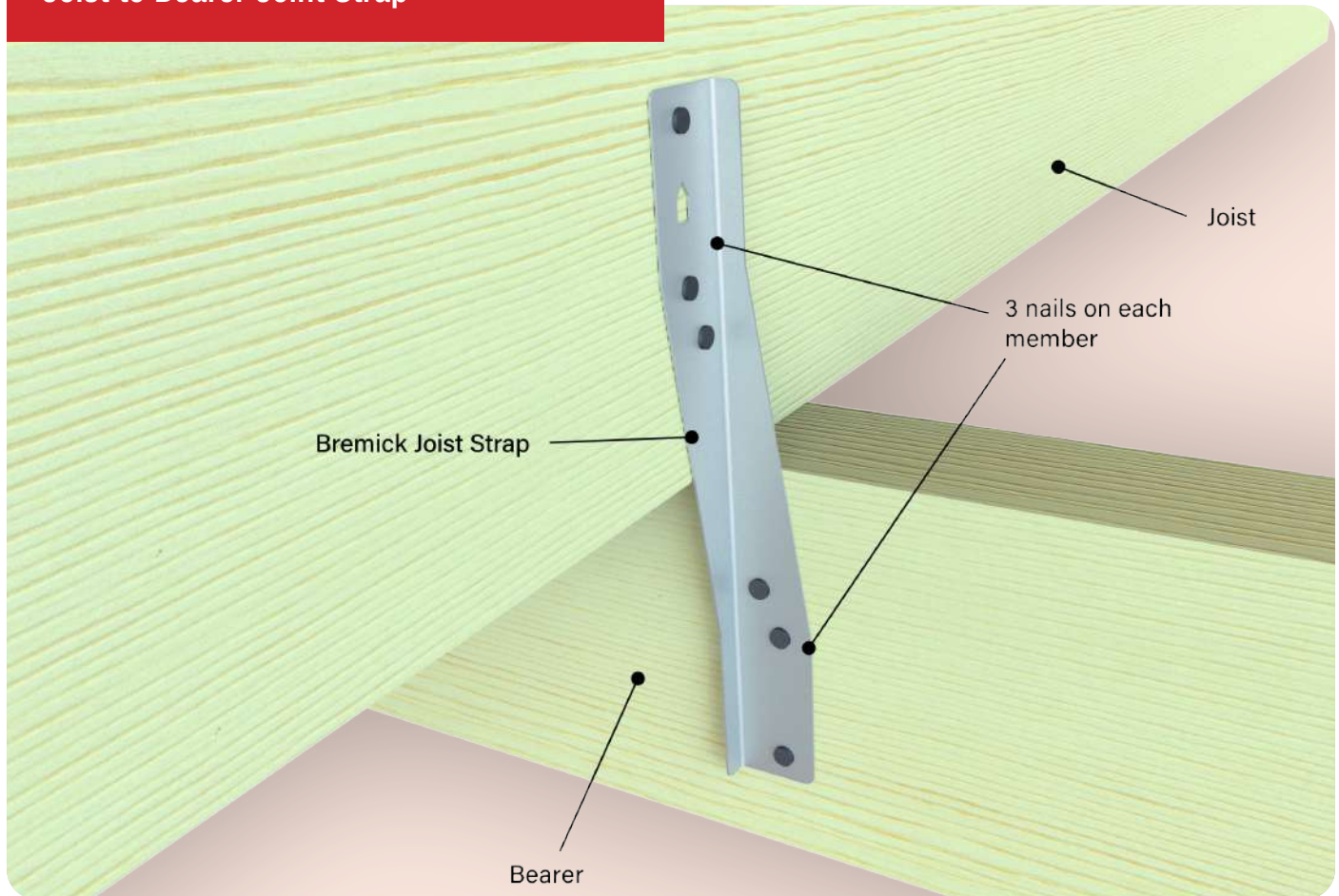
Bremick® Ranging

Product Code	Dimensions
TJSG162000064	162mm x 23mm x 6mm x 0.6mm
Coating	Pack Qty
Z275 – Galvanised	100



Installation Instructions

Joist to Bearer Joint Strap



1

Locate the Bremick Joist Strap into position.

2

Hammer built-in nail into the first timber member.

3

Then hammer the remaining built-in nail of the strap into the second timber member, that is at right angles to the first timber member.

4

Hammer 3 Bremick Timber Connector Nails through the pre-drilled nail holes into the first timber member.

5

Then Hammer 3 Bremick Timber Connector Nails through the pre-drilled nail holes into the second timber member.

Technical Data

JOIST STRAP

TJSG162000064

SINGLE JOIST STRAP LIMIT STATE CAPACITY (1.35G)

Table 1 2 - 3.15mm DIAMETER NAILS USED ON FACE

NUMBER OF JOIST STRAP	Seasoned Timber Capacity (kN)					
	JD6	JD5	JD4	JD3	JD2	JD1
1/JOIST STRAP	0.5	0.7	0.9	1.2	1.5	2.0
2/JOIST STRAP	0.9	1.2	1.4	2.0	2.6	3.4
3/JOIST STRAP	1.3	1.7	2.0	2.9	3.6	4.8
4/JOIST STRAP	1.6	2.2	2.6	3.7	4.7	6.3
	Unseasoned Timber Capacity (kN)					
	J6	J5	J4	J3	J2	J1
1/JOIST STRAP	0.3	0.5	0.6	0.9	1.2	1.5
2/JOIST STRAP	0.6	0.8	1.0	1.4	2.0	2.6
3/JOIST STRAP	0.8	1.1	1.4	2.0	2.9	3.6
4/JOIST STRAP	1.1	1.4	1.9	2.6	3.7	4.7

REMARKS

- These design capacities apply directly for Category 1 joints as described in Table 2.2 of AS1720.1:2010. For Category 2 and Category 3 joints, multiply these capacities by 0.94 and 0.88 respectively.
- Capacity for (UNPUNCHED) product not provided due to uncertainty in nail depth, location, and quality.
- Connected members must be independently restrained from rolling.
- Capacity can be multiplied by 1.5 if 3 – 3.15mm diameter nails used on face.
- The design capacities tabulated above apply directly for 1.35G load case using $k_1 = 0.57$. For other load cases, multiply these capacities by the load factors given below. For a joist strap, the resultant capacity must not exceed the steel ultimate capacity of 3KN.

	Load factor			
Load Case	1.35G	1.2G+1.5QF	1.2G+1.5QR	1.2G+WD or 0.9G - Wu
Factor	1	1.21	1.35	2