

# JOIST STRAP

## FEATURES AND BENEFITS

**EASY:** Includes a built-in nail for easy and quick install.

**FAST:** Only requires 2 nails per side.

**VERSATILE:** Can be used for a variety of right angle connections such as floor joists to bearers, hanging beams to ceiling joists, rafters to beams, purlins to rafters or trusses.

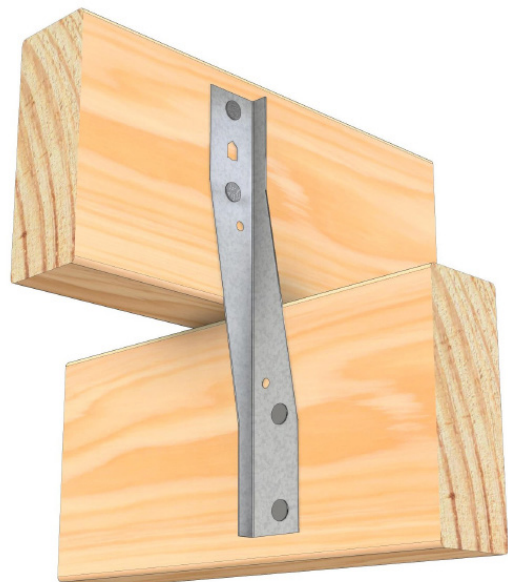


### AS1684 COMPLIANT

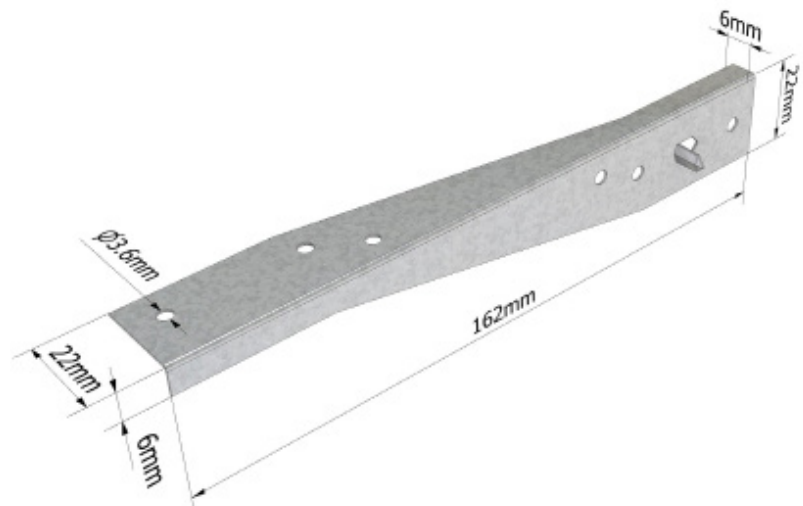
- Designed and tested in accordance with Australian standards (AS1649)
- Minimum G300 Z275 Galvanised Steel

## SPECIFICATIONS

PRODUCT CODE	GJS
STEEL	G300
QUANTITY	150
THICKNESS	0.6mm
CORROSION RESISTANCE	Z275
FASTENERS	Pryda Timber Connector Nails 35 x 3.15mm



A simple, light duty joist strap with a variety of uses in building.



## DESIGN CAPACITIES

Limit State Design capacities per Pryda Joist Strap fixed with 2 nails each end are as tabulated below:

LOAD CASE	DESIGN CAPACITY (ΦNJ) (KN) FOR JOINT GROUP						
	J4	J3	J2	JD5	JD4	JD3	JD2
1.35G	0.7	0.9	1.3	0.8	0.9	1.3	1.7
1.2G+1.5Qf	0.8	1.1	1.6	1.0	1.1	1.6	2.0
1.2G+1.5Qr	0.9	1.3	1.8	1.1	1.3	1.8	2.3
1.2G+Wd or Wind Uplift	1.3	1.8	2.6	1.6	1.8	2.6	3.3

Note:

- The above capacities apply directly to all Category 1 joints. For all other joints, i.e Category 2 or 3 joints as per AS1720.1:2010, multiply these capacities by 0.94 or 0.88 respectively.

## INSTALLATION

Position the Joist Strap with all nail holes at least 16 mm from the nearest timber edge. Using 35x3.15 mm galvanised Pryda Timber Connector Nails or equivalent, drive both these nails and the in-built nail fully into both timber members.

### BUILD WITH CONFIDENCE

#### WHERE POSSIBLE, HAND NAILING WITH PRYDA TIMBER CONNECTOR NAILS IS ALWAYS PREFERRED, WHY?

- Pryda Timber Connector Nails are forged in one piece, unlike clouts that are two pieces soldered together, meaning the head can pop off
- Pryda Nails are the correct diameter, ensuring a tight fit in prepunched holes = a stronger connection
- Design values and testing have all been conducted using Pryda Timber Connector Nails
- Hand hammered nails ensure correct nail positioning and drive depth (not driven too shallow or too deep)

### USING PASLODE MACHINE DRIVEN NAILS WITH UN-PUNCHED QHS6U AND QHS9U

32x2.3 mm Duo-Fast C SHEG (ie: screw hardened electro galvanized) machine driven nails (code D40810) or equivalent may be used instead of the specified 35x3.15 mm Pryda Timber Connector Nails to fix selected Pryda connectors provided that the following requirements are strictly adhered to:

- Design capacities shall be reduced by 20% using the same number of nails as specified for the connectors and
- Nails shall be driven at nail spacings and edge distances closely following the dimple pattern on un-punched QHS6U and QHS9U.

Extreme care must be taken when using machine driven nails as the prevailing installation practices tend to inhibit compliance with the above requirements.

Screw hardened, electro galvanised Paslode nails that are appropriate include:

- Duo-Fast C SHEG 32 x 2.3 (D40810)
- Paslode 32 x 2.5 mm (B25110)
- Duo-Fast 32 x 2.5 mm (D41060)
- Pas Coil 32 x 2.5 SHEG 2 Pack (B25250)
- Impulse 32 x 2.5 SHEG (B40020)

#### IMPORTANT:

READ THIS DATASHEET IN CONJUNCTION WITH PRYDA CONNECTORS & TIE-DOWN CONNECTORS DESIGN GUIDE AND REFER TO ESSENTIAL NOTES AND GENERAL NOTES.