



Pryda Shear Connector

The new Pryda Shear Connector (PSC) is used in pairs to transfer racking loads from the ceiling diaphragm to non-load bearing internal bracing walls.

These connectors allow vertical movement of the trusses (to release creep deflection) and ensures that the truss camber dissipation is uninhibited by over-driven nails.

The connectors are fixed to the top of bracing walls. Although they have higher capacity they can be used as a direct substitute for a pair of nail fixed timber blocks as specified in Table 8.22 AS1684.2:2006 and AS1684.3:2006.

Features & Benefits

- Has better capacities than the timber blocks and alternate brackets;
- Is easier and quicker to install than timber blocks and alternate brackets;
 - PSC can be installed with collated nails, hand driven nails only for alternate brackets;
 - It is difficult to nail into the corner holes within alternate brackets;
 - It is quicker to fit 2 pieces of PSS than trying to locate alternate brackets into position, especially if the timber is over sized or has swollen with moisture;
- Accommodates all timber widths, including double trusses, alternate brackets only work with 35mm timber;
- Long term performance is not affected should the nails have been over driven. Alternate brackets will not work if the nails have been over driven. Meaning there is a likelihood of a fabricator and/or builder call back.

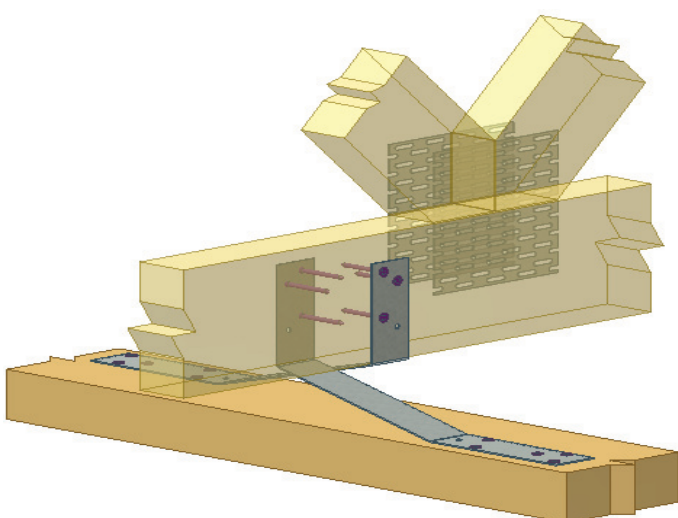


Figure 1: Pryda Shear Connector installed with trusses perpendicular to the wall frame

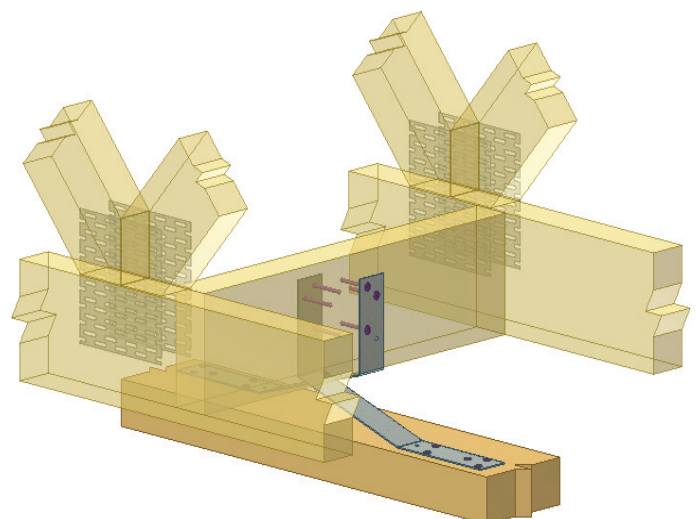
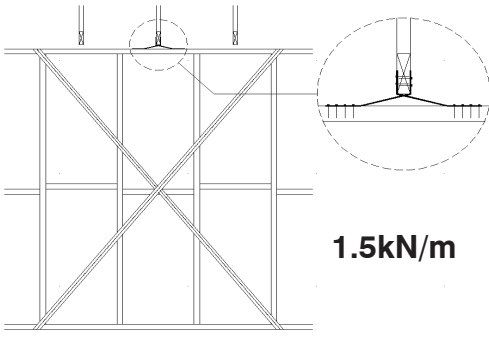
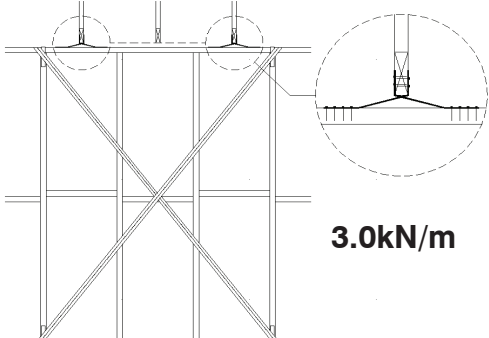
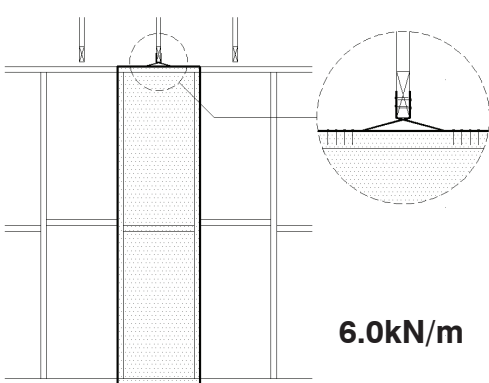


Figure 2: Pryda Shear Connector installed with trusses parallel to the wall frame

Design Capacities

BRACING TYPE	Wall Lengths (mm)	No. of pairs of Pryda Shear Connectors	No. of nail fixing onto top plate per connector**
 <p>1.5kN/m</p>	1800	1	4
	2400	1	4
	2700	1	5
 <p>3.0kN/m</p>	1800	2	4
	2400	2	4
	2700	2	5
 <p>6.0kN/m</p>	600	1	4
	900	2	4
	1200	2	4
	1500	2	5

Notes

- (i) ** = If nails are to be machine driven using 32 x 2.3mm Duo-Fast SHEG or equivalent, provide one additional nail to the table values and ensure the nails are driven away from the holes.
- (ii) When specifying requirement for non-standard braced wall lengths, assume a pair of PSC (with 5 nails) is capable of resisting a maximum 2700mm (for 1.5 kN/m capacity) and 1500mm (for 3.0 kN/m capacity) wall lengths.

Product Code	Packed	Article & Size
PSC	200	300 x 30 x 1.0mm