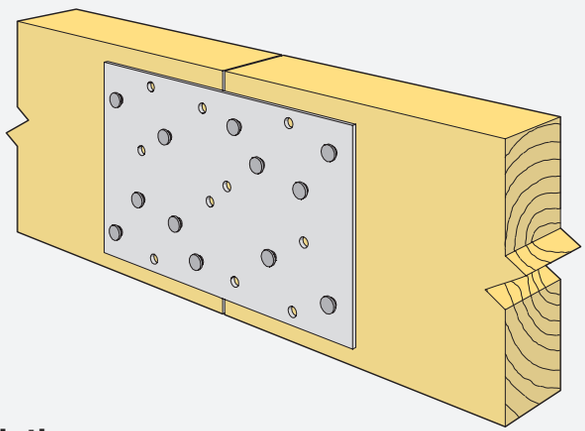
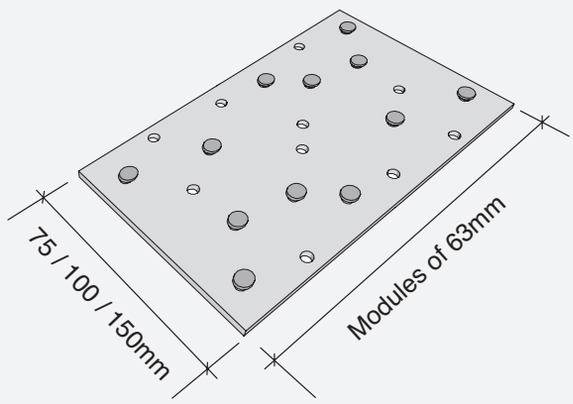
Nail-on Plate

A versatile high-strength timber connector





Installation

1. Place Nail-On Plate equally over joint. Normally used in pairs
2. Use 30 x 3.15mm Pryda Product nails to fill all nail holes, allow 1 nail per 400mm2.

Specifications

Sizes:

Width – 75, 100, 150mm

Length – 190, 250, 315, 380mm

Material:

1.0 or 2.0mm G250 Z275 galvanised steel coil.

(also available in 1.0mm stainless steel).

Product Code:

1.0mm	- NPA 75/190 to NPA 75/380
	- NPA 100/190 to NPA100/380
	- NPA 150/190 to NPA 100/380
2.0mm	- NPB 75/315 to NPB 75/690
	- NPB 100/315 to NPB 100/690
	- NPB 150/315 to NPB 150/690

Packing:

Nail-On Plates cut to specific length in any quantities can be supplied (maximum length1.260m).

Design Loads

Nail Load	Characteristic Strength (Capacity)	Design Loads (Limit State Design)		
		Permanent	Medium	Brief
Parallel to grain	1480N	710N	947N	1184N
Perpendicular to grain	1050N	504N	672N	840N

Steel Strength (Per Pair of Plates)		
	1.0mm	2.0mm
Tension:		
Capacity	530N/mm	1160N/mm
Design	424N/mm	928N/mm
Shear:		
Capacity	320N/mm	840N/mm
Design	256N/mm	672N/mm

Design Loads

Allowable Tension Splice Chart (kN) (Pair of Plates. All Nail Holes Filled)									
Plate Length (mm)		190x1	190x2	250x1	250x2	315x2	380x2	440x2	510x2	570x2
Plate Width										
	75mm	22.1	22.1	30.0	30.0	39.6	47.4	56.8	64.7	69.6
Medium	100mm	30.0	30.0	41.0	41.0	53.7	64.7	77.3	88.4	92.8
	150mm	47.4	47.4	63.6	66.3	85.2	104.2	123.1	139.2	139.2
	75mm	27.6	27.6	31.8	37.5	49.3	59.2	69.6	69.6	69.6
Brief	100mm	37.5	37.5	42.4	51.3	67.1	80.1	92.8	92.8	92.8
	159mm	59.2	59.2	63.6	82.9	106.6	130.2	139.2	139.2	139.2

Loads shown are for nailing into Green (MC ≤ 25%) MSG8 NZ Radiata Pine or Douglas Fir.