



Designed to provide ties for trusses and rafters likely to be subject to high winds, this versatile range may be used for general purposes, strongback attachments and as all-purpose ties where one timber crosses another.



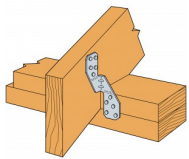
[ETA-07/0137](#)

## FEATURES



## Matièral

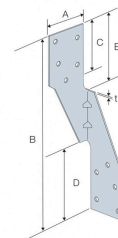
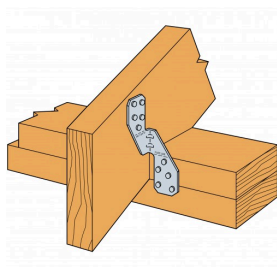
Pre-galvanised mild steel



## APPLICATIONS

TECHNICAL DATA

Product Dimensions



References	Product Dimensions [mm]					Joist	Holes Flange B	Holes Flange C		Holes Flange D		Holes Flange E
	A	B	C	D	t	Ø4.1	Ø4.1	Ø3.9	Ø4.3	Ø3.9	Ø4.3	Ø3.9
H2.5A	35	150	41	55	1.2	5	5	-	-	-	-	-
H2A	38	265	89	89	1.1	-	-	5	-	5	-	2
H3	40	117	38	38	1.1	-	-	-	4	-	4	-

The characteristic values in the table are for two H2.5A.

Dimensions and Safe Working Loads

References	Performance Values		Safe Working Loads [kN]		
	Number of Fasteners		R <sub>2,SWL, Short Term</sub>	R <sub>3,SWL, Short Term</sub>	R <sub>4,SWL, Short Term</sub>
	Joist	Flange B			
Qty	Qty				
H2.5A	5	5	2.3	0.5	0.5

- SWL's are for one anchor. A minimum rafter thickness of 63mm must be used when framing anchors are installed on each side of the joist and on the same side of the plate.
- When cross-grain bending or cross-grain tension cannot be avoided, mechanical reinforcement to resist all such forces should be considered.

LGS Performance Values - LGS Rafter/Joist to LGS Connection

References	Fasteners						Safe Working Loads [kN]			Characteristic Capacities [kN]		
	To Rafter		To Top Rack		To Stud		R <sub>3</sub> =R <sub>4,SWL,L</sub>	R <sub>5</sub> =R <sub>6,SWL,L</sub>	R <sub>2,SWL,LT</sub>	R <sub>3</sub> =R <sub>4,k</sub>	R <sub>5</sub> =R <sub>6,k</sub>	R <sub>2,k</sub>
	Qty	Type	Qty	Type	Qty	Type						
H2A	5	X34B1016	1	X34B1016	5	X34B1016	0.4	0.4	2	0.6	0.7	3.2
H3	2	X34B1016	2	X34B1016	-	-	0.4	0.6	1.7	0.6	0.9	2.7

Table Notes

- Performance values based upon attachment of Light Gauge Steel members having a minimum thickness 1.0mm
- Performance values are based upon tests completed by Simpson Strong-Tie U.S. in accordance to ICC-ES AC261 - Acceptance criteria for connectors used with Cold-Formed Steel Structural Members

LGS Performance Values - Timber Rafter/Joist to LGS Connection

References	Fasteners						Safe Working Loads [kN]			Characteristic Capacities [kN]		
	To Rafter		To Top Rafter		To Stud		$R_3=R_{4,SWL,L}$	$R_5=R_{6,SWL,L}$	$R_{2,SWL,LT}$	$R_3=R_{4,k}$	$R_5=R_{6,k}$	$R_{2,k}$
	Qty	Type	Qty	Type	Qty	Type						
H2A	5	X34B1016	1	X34B1016	5	X34B1016	-	-	2.4	-	-	3.9
H3	4	X34B1016	4	X34B1016	-	-	-	-	1.6	-	-	2.6

Table Notes

1. Performance values based upon attachment of Light Gauge Steel members having a minimum thickness 1.0mm
2. Performance values are based upon tests completed by Simpson Strong-Tie U.S. in accordance to ICC-ES AC261 - Acceptance criteria for connectors used with Cold-Formed Steel Structural Members

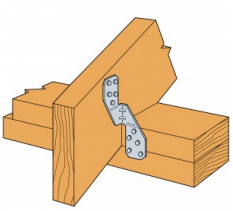
## INSTALLATION

### Fasteners

Square twist nails N3.75x30

### Installation

Installation example



Fixation bois sur  
bois avec H2.5A