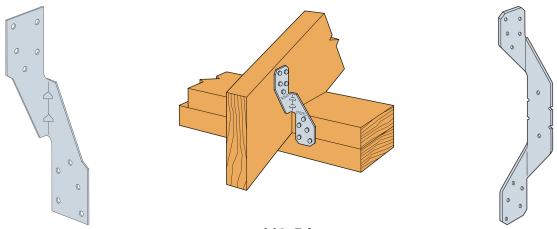
Technical Sheet

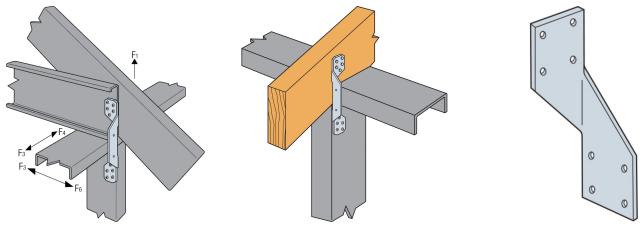
H2.5A
High Wind Tie

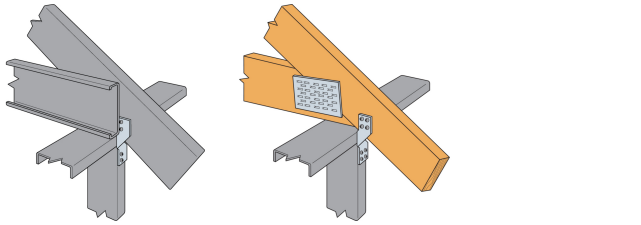
Designed to provide wind ties for trusses or joists, this versatile range of products may be used for general tie applications where one member crosses another.
Suitable for use in Timber to Timber, Light Gauge Steel to Light Gauge Steel or Timber to Light Guage Steel Connections





H2.5A





Features

Material

Pre-galvanised mild steel: 275g/m^2

Timber Applications

For Timber to Timber applications use H2.5A

LGS Applications

For Light Gauge Steel to Light Gauge Steel or Light Gauge Steel to Timber applications use the H2A or H3 Ties.

Technical Sheet

H2.5A
High Wind Tie

Technical Data

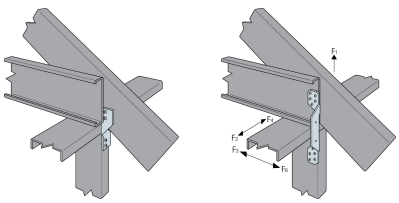
Product Dimensions

Reference	Connector Dimensions													
	Product Dimensions[mm]						Holes Flange C			Horizontal flange			Flange E	Other
							Round			Round			Round	
	A[mm]	B[mm]	C[mm]	D[mm]	E[mm]	t[mm]	Ø3.9	Ø4.3	Ø4.1	Ø3.9	Ø4.1	Ø4.3	Ø3.9	Weight[kg]
H2A	38	265	89	89	87	1.1	5	-	-	5	-	-	2	0.095
H2.5A	35	150	55	55	-	1.2	-	-	5	-	5	-	-	0.049

Performance Values - Safe Working Loads

Reference	Ties capacity			
	Number of Fasteners		Safe Working Loads[kN]	
	Flange C	Flange D	$R_{2,s}W_{I,short\ term}$	$R_3 = R_{4,s}W_{I,\ short\ term}$
	Qty	Qty	N3.75x30	N3.75x30
H2.5A	5.0	5.0	2.3	0.5

1. 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.
2. When cross-grain bending or cross-grain tension cannot be avoided, mechanical reinforcement to resist all such forces should be considered.



Performance Values - LGS to LGS

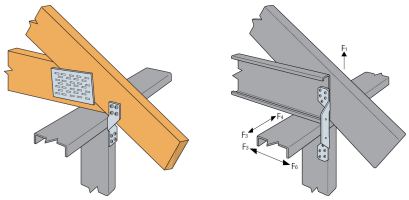
Reference	Ties capacity								
	Product capacities - LGS to LGS								
	Number of Fasteners			Product capacities - LGS to LGS[kN]					
	Steel Rafter	To Top Track	To Stud	Safe Working Loads			Characteristic Capacities		
	Qty (FPHSD34S1214)	Qty (FPHSD34S1214)	Qty (FPHSD34S1214)	R2,SWL	R3 = R4, SWL	R5 = R6,SWL	$R_{2,k}$	R3 = R4,k	R5 = R6,k
H2A	5.0	1.0	5.0	2	0.4	0.4	3.2	0.6	0.7

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*

Technical Sheet

H2.5A
High Wind Tie



Performance Values - Timber to LGS

Reference	Ties capacity				
	Product capacities - Timber to LGS				
	Number of Fasteners			Product capacities - Timber to LGS[kN]	
	Timber Rafter	To Stud	To Top Track	Characteristic Capacities	Safe Working Loads
	Qty (N3.75x30)	Qty (FPHSD34S1214)	Qty (FPHSD34S1214)	$R_{2,k}$	R2,SWL,ST
H2A	5.0	5.0	1.0	3.9	2.5

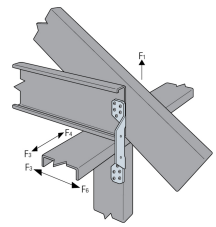
Table Notes

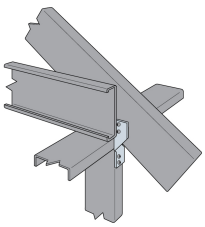
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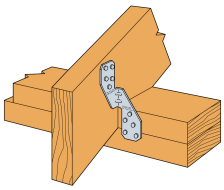
Installation

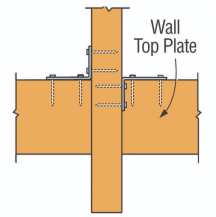
Installation

Always use the specified number and type of fastener, as referenced in the performance tables, to achieve the stated performance values.
H2.5A may be installed in pairs to achieve twice the stated safe working loads.

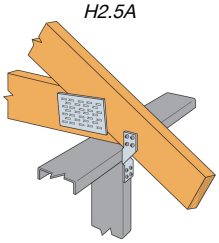


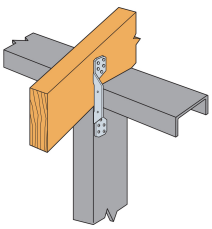






H2.5A





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