Technical data sheet

H2.5A **High Wind Ties**

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

Features

Material

Pre-galvanised mild steel: 275g/m²

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.

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Product Dimensions

Poforonaca	Product Dimensions [mm]						Holes Flange C		Holes Flange D			Holes Flange E	
neiciciices	Α	В	C	D	E	t	Ø3.9	Ø4.3	Ø3.9	Ø4.1	Ø4.3	Ø3.9	Ø4.1
H2A	38	265	89	89	87	1.1	5	-	5	-	-	2	-
H2.5A	35	150	55	55	-	1.2	-	-	-	5	-	-	5
НЗ	40	117	38	38	-	1.1	-	4	-	-	4	-	-

Performance Values - Safe Working Loads

	Performance Values							
Deferences	Fast	eners	Safe Working Loads [kN]					
References	Flange C	Flange D	R _{2, SWL, ST}	$R3 = R_{4, SWL, ST}$				
	Qty	Qty	N3.75x30	N3.75x30				
H2.5A	5	5	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.





H2A - Typical LGS Installation - LGS Stud to LGS

		Railer of Joist							
References		LGS to LGS Fasteners	LGS Performance Values - LGS to LGS [kN]						
	Steel Rafter	To Top Track	To Stud	Safe Working Loads			Characteristic Capacities		
	Qty (FPHSD34S1214)	Qty (FPHSD34S1214)	Qty (FPHSD34S1214)	R _{2,SWL}	$R_3 = R_{4, SWL}$	$R_5 = R_{6,SWL}$	R _{2,k}	$R_3=R_{4,k}$	$\mathbf{R}_5 = \mathbf{R}_{6,k}$
H2A	5	1	5	2	0.4	0.4	3.2	0.6	0.7
H3	2	2	-	1.7	0.4	0.6	2.7	0.6	0.9

H3 - Typical LGS Installation - LGS Stud to LGS

Table Notes

to LGS

Performance Values - LGS

- 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





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Performance Values - Timber to LGS





H2A - Typical LGS Installation - LGS Stud to LGS Rafter

			Or JOISI				
References		Timber to LGS Fastene	rs	LGS Performance Values - Timber to LGS [kN]			
	Timber Rafter	To Top Track	To Stud	Safe Working Loads	Characteristic Capacities		
	Qty (N3.75x30)	Qty (FPHSD34S1214)	Qty (FPHSD34S1214)	R _{2,SWL,ST}	R _{2,k}		
H2A	5	1	5	2.5	3.9		
H3	4	4	-	1.6	2.6		

H3 Installation - LGS to Timber

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

H2.5A **High Wind Ties**



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.



H3 Installation - LGS to Timber Rafter



H2A - Typical LGS Installation - LGS Stud to LGS Rafter or Joist



H3 - Typical LGS Installation - LGS Stud to LGS Rafter or Joist Wall Top Plate

H2A Installation - LGS to Timber Rafter

H2.5A Installation - Timber top plate to Rafter

H2.5A can be installed on the same side of the wall plate.

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