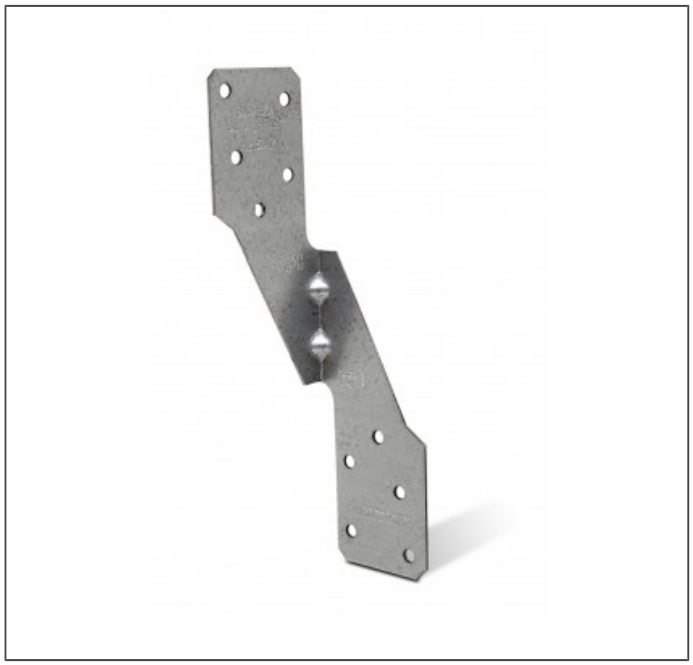
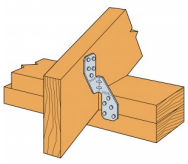
H2.5A - HIGH WIND TIES





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.

ETA-07/0137, ETA-21/0482, UK-DoP-e21/0482-01

FEATURES

CL2 INDOOR Z275

Material

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

Timber Applications

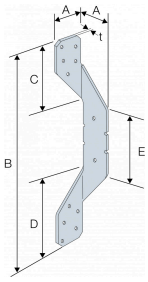
For Timber to Timber applications use H2.5A

LGS Applications

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

TECHNICAL DATA

Product Dimensions



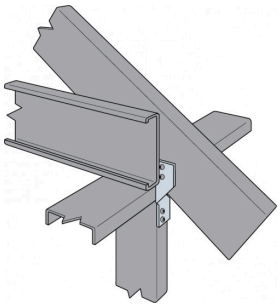
References	Product Dimensions [mm]						Holes Flange C		Holes Flange D			Holes Flange E	
	A	B	C	D	E	t	Ø3.9	Ø4.4	Ø3.9	Ø4.1	Ø4.3	Ø3.9	Ø4.1
H2A	38	265	89	89	87	1.1	5	-	5	-	-	2	-
H2.5A	35	150	55	55	-	1.2	-	-	-	5	-	-	5
H3	40	117	38	38	-	1.1	-	4	-	-	4	-	-

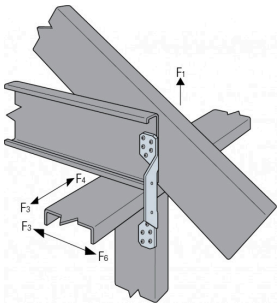
Performance Values - Safe Working Loads

References	Performance Values			
	Fasteners		Safe Working Loads [kN]	
	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

2. 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.
4. 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



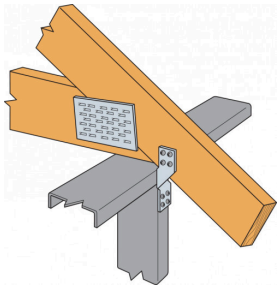


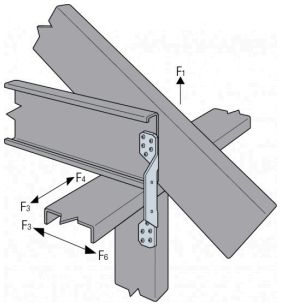
References	LGS to LGS Fasteners			LGS Performance Values - LGS to LGS [kN]					
	Steel Rafter	To Top Track	To Stud	Safe Working Loads			Characteristic Capacities		
	Qty (FPHSD34S121	Qty (FPHSD34S121	Qty (FPHSD34S121	$R_{2,SWL}$	$R_3 = R_{4, SWL}$	$R_5 = R_{6,SWL}$	$R_{2,k}$	$R_3 = R_{4,k}$	$R_5 = R_{6,k}$
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

Table Notes

2. Performance values based upon attachment of Light Gauge Steel members having a minimum thickness 1.0mm
4. 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

Performance Values - Timber to LGS





References	Timber to LGS Fasteners			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

Table Notes

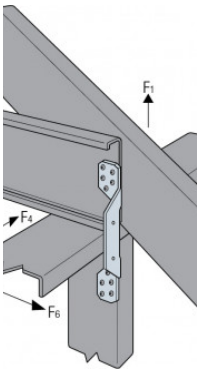
2. Performance values based upon attachment of Light Gauge Steel members having a minimum thickness 1.0mm
4. Performance values are based upon tests completed by Simpson Strong-Tie U.S. in accordance to ICC-ES AC261 - Acceptance criteria for connectors used with Cold-Formed Steel Structural Members

INSTALLATION

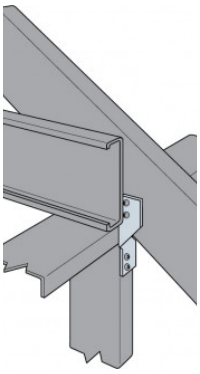
Installation

Always use the specified number and type of fastener, as referenced in the performance tables, to achieve the stated performance values.

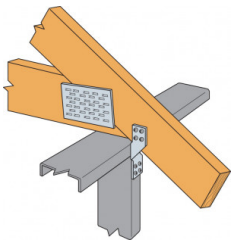
H2.5A may be installed in pairs to achieve twice the stated safe working loads.



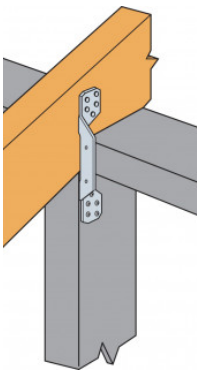
H2A - Typical LGS Installation - LGS Stud to LGS Rafter or Joist



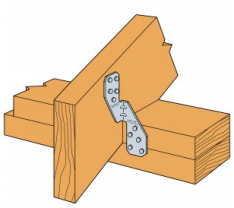
H3 - Typical LGS Installation - LGS Stud to LGS Rafter or Joist



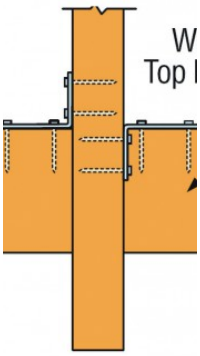
H3 Installation - LGS to Timber Rafter



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.