

STC Truss Clip

STC truss clip is used to provide alignment control between a roof truss and non-bearing walls. They are manufactured from 1.1mm pre-galvanised steel. The 38mm slot permits vertical truss chord movement when loads are applied. To allow for vertical truss movement, screws into the truss or rafter should not be driven completely flush against the connector.

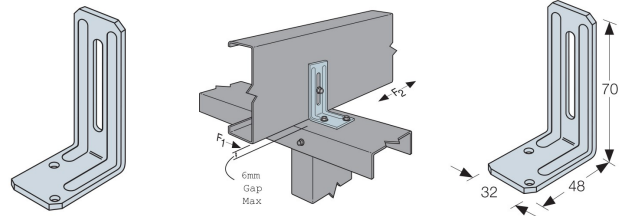
Features

Benefits

The 38mm slot permits vertical truss chord movement when loads are applied.

Material

Pre-galvanised mild steel.



STC
Truss Clip

Technical Data

Product Dimensions

References	Hanger Dimensions [mm]				Holes	
	A	B	C	t	Flange A	
					Ø4.3x43 Slot	
					Flange B	
					Ø4.3	
STC	70	48	32	1.3	1	2

LGS Performance Values - STC to Stud

References	Fasteners		Safe Working Loads [kN]						Characteristic Capacities [kN]					
	Flange A (X1214D325)	Flange B (X1214D325)	Without Gap		6mm Maximum Gap		12mm Maximum Gap		Without Gap		6mm Maximum Gap		12mm Maximum Gap	
			R _{1,SWL}	R _{4,SWL}	R _{1,SWL}	R _{4,SWL}	R _{1,SWL}	R _{4,SWL}	R _{1,k}	R _{4,k}	R _{1,k}	R _{4,k}	R _{1,k}	R _{4,k}
STC	1	2	0.82	0.2	0.6	0.2	0.33	0.2	1.3	0.3	1	0.3	0.53	0.3

1. Truss or rafter must be bearing on top plate to achieve loads under 'Without Gap'
2. Clips are required on both sides of the truss to achieve R4 loads (stagger parts to avoid screw interferences)
3. To allow for vertical truss movement, screws into the truss or rafter should not be driven completely flush against the connector

Performance Values - Truss to Timber Stud Wall

References	Fasteners		Safe Working Loads [kN]						Characteristic Capacities [kN]					
	Flange A (N3.35x65)	Flange B (N3.35x65)	Without Gap		6mm Maximum Gap		12mm Maximum Gap		Without Gap		6mm Maximum Gap		12mm Maximum Gap	
			R _{1,ST SWL}	R _{2,ST SWL}	R _{1,ST SWL}	R _{2,ST SWL}	R _{1,ST SWL}	R _{2,ST SWL}	R _{1,k}	R _{2,k}	R _{1,k}	R _{2,k}	R _{1,k}	R _{2,k}
STC	1	2	0.3	0.2	0.2	0.1	0.1	0.2	0.7	0.5	0.3	0.3	0.2	0.4

1. Truss to rafter must bear on top plate to achieve the allowable loads under 'without gap'
2. Clips are required on both sides of the truss to achieve F1 loads in both directions (stagger parts to avoid nail interferences)
3. Install slot nails in the middle of the slot. Nails should not be driven completely flush against the connector to allow for vertical movement
4. Products not intended for floor applications due to the frequency of floor joist deflections and potential for squeaks
5. Allow up to 1.5mm gap between nail head and truss clip to prevent squeaking

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Installation

Installation

To allow for vertical truss movement, screws into the truss or rafter should not be driven completely flush against the connector.

