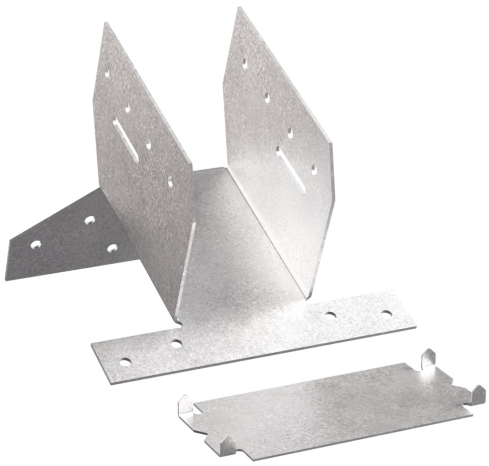
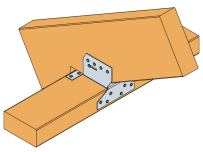
Technical Sheet

GS
Glide Shoe

Glide shoes are specially designed to allow horizontal movement between raised tie trusses and wallplates.

The GS allows up to 25mm of lateral movement of a raised tie truss during installation of roofing materials and resists uplift forces. Typically used on one or both ends of the truss as determined by the truss designer.





Applications

Material

- Pre-galvanised mild steel - Z275

Technical Sheet

GS
Glide Shoe

Technical Data

Product Dimensions

Reference	Connector Dimensions									
	Product Dimensions[mm]							Header holes	Joist holes	Other
	A[mm]	B[mm]	C[mm]	D[mm]	E[mm]	F[mm]	t[mm]	Round	Obround	Weight[kg]
								Ø4.1	Ø4x25 Slots	

Performance Values

Reference	Ties capacity		
	Number of Fasteners	Characteristic Capacities[kN]	
	Wall Plate	$R_{2,k}$	R3,k=R4,k
	Qty	N3.75x30	N3.75x30
GS	10.0	2.8	6.6

Installation

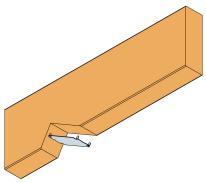
Installation

<u>Step 1</u>: Install bearing plate onto the underside of the truss bearing area (seat of a birdsmouth cut)
<u>Step 2</u>: Position the glide shoe onto the wall plate, ensuring the face of the glide shoe is tight to the inside face of the wall plate. Nail the glide show to the face of the wal plate with 6 No 3.75x30mm galvanised, or sheradised, square twist nails.
<u>Step 3</u>: Nail the glide shoe to the top of the wall plate with 4 No 3.75x30mm galvanised, or sheradised, square twist nails.
<u>Step 4</u>: Locate truss into glide shoe.
<u>Step 5</u>: Nail through the two slotted holes in the side of the glide shoe with 1 No 3.75x30mm galvanised, or sheradised, square twist nail, in each slot. Ensure the nail is positioned at the innermost point of the slot, to ensure maximum deflection of the rafter
<u>Step 6</u>: Once the truss has been fully loaded (ie the roof has been tiled) and full deflection achieved, fill all side flange round holes with 3.75x30mm galvanised, or sheradised, square twist nails.

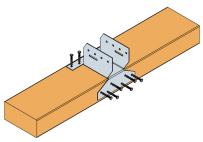
<u>Note:</u> the glide shoe is designed to ensure the rafter is allowed to deflection during the construction phase, ensuring no horizontal trust is transfered to the wall plate.



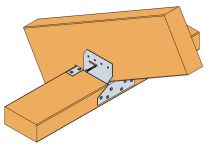
3.75x30mm Square Twist Nail



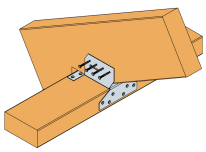
GS Installation: Step 1



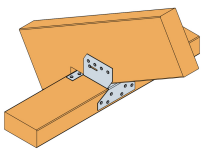
GS Installation: Steps 2 & 3



GS Installation: Steps 4 & 5



GS Installation: Step 6



GS Installation: Complete installation

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