

Girder Truss Shoe

Application and Design Features

SABGTS is a one piece non welded joist hanger used to attach and support trussed rafters from supporting girders. Higher qualified load performance and increased hole centres to spread the load over greater area. Marked for ease of recognition even after installation.

Material Specification

1.2mm pre-galvanised mild steel to BS EN 10142 DX51D Z275



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Size						Minimum Nailing						Maximum Nailing						Slip Modulus kN/mm
Product Reference	Dimensions				Joist Size	Fixings			Safe Working Loads (kN)			Fixings			Safe Working Loads (kN)			
	Width	Height	Cord Height	Bearing		Joist	Front	Back	Uplift	Medium Term	Long Term	Joist	Front	Back	Uplift	Medium Term	Long Term	
GTS-38	38	301	116	75	35mm	6	4	4	2.0	4.62	4.62	6	24	0	2.0	9.5	8.3	2.9
GTS-44	44	298	113	75	44 mm	6	4	4	2.0	4.62	4.62	6	24	0	2.0	9.5	8.3	2.9
GTS-50	50	295	110	75	47mm	6	4	4	2.0	4.62	4.62	6	24	0	2.0	9.5	8.3	3.4
GTS-63	63	288.5	104	75	63mm	6	4	4	2.0	4.62	4.62	6	24	0	2.0	9.5	8.3	3.4
GTS-75	75	282.5	98	75	2ply 35mm	6	4	4	2.0	4.62	4.62	6	24	0	2.0	9.5	8.3	3.4
GTS-100	100	270	85	75	2ply 47mm	6	4	4	2.0	4.62	4.62	6	24	0	2.0	9.5	8.3	3.4

General Notes

- 1 Safe Working Loads are based on load tests conducted at TRADA Technology Ltd.
Tests carried out by Brighton Polytechnic Department of Civil Engineering.
- 2 Slip modulus can be used as guidance for determining approximate deflection under load.
- 3 Minimum Nailing table is with TOP FLANGE WRAP OVER OF 45mm.
- 4 Maximum Nailing table is with ALL NAIL HOLES FILLED.
- 5 3.75x30mm sherardised square twist nails must be used to achieve the stated safe working loads
- 6 A timber packer must be nailed to the top of the bottom chord when the depth of girder truss is less than 116mm.



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