

Technical data sheet

SIMPSON

Strong-Tie®

THGQ

Heavy Duty Girder Truss Hanger

THGQ is a heavy duty girder truss hanger designed to support multiple ply girder trusses from a vertical member of a girder truss.

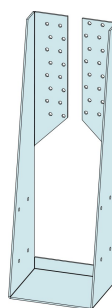
- *Use with SSH screws instead of bolts - simplifying installation.*
- *SSH6.0x60 supplied with each THGQ.*
- *Maintains the strength of the supporting truss as no material is removed during installation.*
- *Suitable for use on girder trusses with bottom chord depths equal to or greater than 147mm.*
- *For use in Service Class 1 and 2 conditions only.*

Features

Material

Pre-galvanised mild steel.

CE



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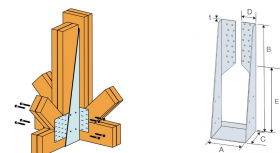
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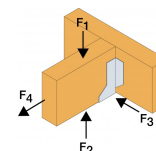
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Product Dimensions



References	Header dimensions [mm]	Joist dimensions	Product dimensions [mm]						Header holes	Joist holes
	Min. width	Width	A	B	C	D	E	t	Ø6.4 [mm]	Ø6.4 [mm]
THGQ80SCR	147	2x35	80	675	135	38	305	3	30	8
THGQ102SCR	172	2x47	102	675	135	38	305	3	30	8
THGQ116SCR	197	3x35	116	675	135	38	305	3	30	8
THGQ154SCR	197	3x47 or 4x35	154	500	135	63	305	3	32	8
THGQ202SCR	222	4x47	202	500	135	63	305	3	32	8

Product Capacities



References	Fasteners		Characteristic capacity - Timber TR26 [kN]		Safe Working Load [kN]	
	Header	Joist	$R_{1,k}$	$R_{2,k}$	$R_{1,SWL,Medium Term}$	$R_{2,SWL,Short term}$
	Qty	Qty	SSH6.0x60	SSH6.0x60	TR26 header	TR26 joist
					SSH6.0x60	SSH6.0x60
THGQ80SCR	30	8	68.2	22.4	32.5	14.4
THGQ102SCR	30	8	68.2	22.4	32.5	14.4
THGQ116SCR	30	8	68.2	22.4	32.5	14.4
THGQ154SCR	32	8	68.2	22.4	32.5	14.4
THGQ202SCR	32	8	68.2	22.4	32.5	14.4

- Performance values are based upon tests with capacities determined in accordance to BS EN14358.
- Uplift values have been determined by calculation in accordance with the relevant design standard.

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Installation

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- Fill all holes with the specified fasteners to achieve published load capacities.
- Multiple ply supporting trusses must be fastened together, as specified by the truss manufacturer, to act as one member.
- The overall thickness of the supporting trusses should be equal to or greater than the length of the SSH screw (60mm).

