

MULTI-TRUSS HANGERS



HEAVY DUTY

For use in heavy duty applications such as multiple truss units, main trimmer joists, purlin to beam connections or similar situations where unusually heavy loads occur.

BENEFITS

- Manufactured from 1.5mm galvanised steel for high strength and corrosion resistance.
- Bearing surface on all multi-truss hangers is 75mm with a 47mm width to suit PAR timber.
- Pre-drilled with bolt holes to suit M12 fixings and nail holes 5mm diameter for either:
Type A, 30 x 3.75mm Loose Square Twist Nails OR
Type B, 35 x 3.75mm Collated Square Twist Nails

Produced from galvanised steel to BS EN 10346:2009 + G275 as standard

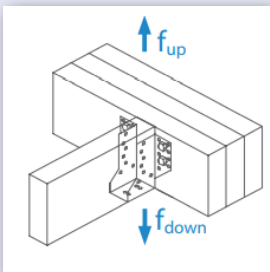
Test Standard

Tested by BMTRADA to ETAG015
Verified by TZUS to EAD 130186-00-0603. - ETA 20/0915.

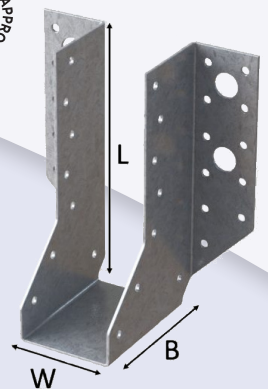
Declaration of Performance - Joist Hangers 19-0681-001



LOAD DATA



- For RJMHG047240 & C16 Timber values are also valid for bolted connections. The header thickness should be checked by an engineer.
- For all sizes, these properties should be used for design in accordance with EN 1995-1-1:2004/A1 (Eurocode 5) or an appropriate national code.
- The load carrying capabilities have been derived by calculation, or design assisted by testing, or by testing.



Code	Dimensions (mm) W x L x B	Holes no. x Ø (mm) In Back Plates	Holes no. x Ø (mm) In Side Plates	Pack Qty	Characteristic Capacity (kN)											
					C16 Timber				C24 Timber				TR26 Timber			
					Type A nails		Type B nails		Type A nails		Type B nails		Type A nails		Type B nails	
F _{up}	F _{down}	F _{up}	F _{down}	F _{up}	F _{down}	F _{up}	F _{down}	F _{up}	F _{down}	F _{up}	F _{down}	F _{up}	F _{down}			
RJMHG047240	47 x 97 x 75	14 x 5.0 & 2 x 13.0	12 x 5.0	50	5.46	9.56	6.40	11.23	6.17	10.79	7.23	12.68	6.52	11.41	7.64	13.41
RJMHG047340	47 x 147 x 75	22 x 5.0 & 4 x 13.0	16 x 5.0	50	9.56	15.02	11.21	17.65	10.79	16.95	12.65	19.93	11.41	17.92	13.38	21.07
RJMHG047380	47 x 168 x 75	22 x 5.0 & 4 x 13.0	16 x 5.0	50	9.56	15.02	11.21	17.65	10.79	16.95	12.65	19.93	11.41	17.92	13.38	21.07

Installation

- Multi-Truss hangers are deemed fit for their intended use provided:
- The joints are designed in accordance with Eurocode 5 or an appropriate National Code using the characteristic values given in the Annexes. Design and detailing of structures should be carried out by suitably experienced persons in accordance with the manufacturer's instructions.
 - Sides of the hanger should be at least 60% of the timber height to prevent rotation.
 - Joist ends to be cut square with no more than 6mm gap from the rear of the hanger.
 - Verifiable calculation, notes and drawings are prepared taking account of the loads to be carried.

- The widths of the joist narrower than the exact joist hanger width does not exceed the tolerance of +0/ 4mm to the joist hanger width.
- The header supporting the joist is adequately restrained against rotation.
- Specified fasteners are installed in all available holes of the same diameter.
- Timber should be free of wane in the connectors.
- The actual maximum bearing capacity of the joist itself is checked separately by the designer of the structure.
- The eccentricity of the acting forces relative to the axis of the connection is not excessive.
- The connectors have been installed correctly by appropriately qualified personnel using adequate tools, in accordance with the relevant building regulations, the manufacturer's specifications and the drawing prepared for that purpose.

