



# Declaration of Performance



DoP-h07/0003  
(Issue 1.0)

1. **Product Type:** Masonry Joist Hanger
2. **Identification:** HJHM(I), HJHM(I)R, HJHM(I)S and SPEC HJHM(I)
3. **Intended Use:** To Support Timber Joists, Beams and Trussed Rafters from Masonry Walls
4. **Manufacturer:** Simpson Strong-Tie Int. Ltd.  
For local branch addresses refer to [www.strongtie.eu](http://www.strongtie.eu)
5. **Authorised Representative:** N/A
6. **System of Assessment:** 3
- 7, 8. **Technical Specifications & Notified Bodies:**

	Name	No.	System of Assessment	Document Reference	EAD (ETAG) No. EN Standard
Technical Assessment	Ceram Building Technology (Testing) Simpson Strong-Tie	1289	3	ITTR-07/0003	EN 845-1:2008
Factory Production Control	Simpson Strong-Tie	-	-	-	-

9. **Declared Performance:**

Essential Characteristics	Performance			Technical Specification
	Masonry Type and Strength			
	AAC 2.8 N/mm <sup>2</sup>	AAC 3.5 N/mm <sup>2</sup>	DAC 7.0 N/mm <sup>2</sup>	
<b>MECHANICAL STRENGTH &amp; STIFFNESS</b>				
<b>WIDTHS: 40 – 74 mm</b> ( Joist installed using 3.75 x 30mm Square Twist Nails )				
Load Bearing Capacity (N)	16020	16020	30010	EN845-1 clause 5.3.5.1, EN 846-8
Displacement Under Load <sup>[1]</sup> (mm)	1.09	1.09	1.07	EN845-1 clause 5.3.5.2
<b>WIDTHS: 75 – 200 mm</b> ( Joist installed using 3.75 x 30mm Square Twist Nails )				
Load Bearing Capacity (N)	15980	29670	30010	EN845-1 clause 5.3.5.1, EN 846-8
Displacement Under Load <sup>[1]</sup> (mm)	0.89	1.36	1.07	EN845-1 clause 5.3.5.2
<b>WIDTHS: 91 – 200 mm</b> ( Joist installed using 4.00 x 90mm Round Wire Nails )				
Load Bearing Capacity (N)	15980	29670	41760	EN845-1 clause 5.3.5.1, EN 846-8
Displacement Under Load <sup>[1]</sup> (mm)	0.89	1.36	1.34	EN845-1 clause 5.3.5.2
<b>WIDTHS: 201 – 300 mm</b> ( Joist installed using 3.75 x 30mm Square Twist Nails )				
Load Bearing Capacity (N)	15110	15110	37610	EN845-1 clause 5.3.5.1, EN 846-8
Displacement Under Load <sup>[1]</sup> (mm)	1.13	1.13	1.82	EN845-1 clause 5.3.5.2
<b>DURABILITY</b>				
Material	Steel Grade DX51D or S250GD			EN845-1 Clause 5.6; EN 10346
Corrosion Protection	Material/Coating Reference: 15			EN 845-1 Table A.1
Dangerous Substances	None			

<sup>[1]</sup> At 1/3 of Declared Load Bearing Capacity

10. The performance of the products identified in points 1. & 2. is in conformity with the declared performance in point 9.  
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

**Laurent Verluysen**  
European Managing Director

(Sainte Gemme La Plaine, Fr. 01/03/2013)