

**DECLARATION OF PERFORMANCE**

DoP ref. no: WRSS1306029 Rev.1/020913



Name of manufacturer	Teco Building Products Wellington Road, Portslade, Brighton, BN41 1DN
Product type	Teco Welded Return Joist Hanger ST/ST
Intended use	Welded Return Joist Hanger (Joint Fixing Type) for supporting a joist, beam, truss or rafter on a masonry wall by direct loading via a flange which is embedded in a mortar joint
System of AVCP	3
Harmonised standard	<b>EN 845-1:2013</b>

Teco is an ISO9001 registered firm audited by QMS International plc.  
Structural Consultants C4Ci Ltd.  
Factory Production Control assessed and audited by BM TRADA CE Scheme for Construction Products Notified Body No.1224  
Where appropriate, tested by CERAM Research Ltd Notification Body No.1289

**Material:** Grade 1.4301 Austenitic Stainless Steel to EN 10088-2

Product Code

**WRSS**

Masonry bearing = size varies in accordance to hanger size, min 75mm  
Joist bearing = size varies in accordance to hanger size, min 80mm  
Hanger depth = size varies in accordance to hanger size  
Hanger width = size varies in accordance to hanger size  
*see attached table for details*



*Tested on 3.5N/mm<sup>2</sup> AAC blocks  
Min mortar joint thickness = 8mm  
Failure mode = masonry crushing + o/a deflection*

Declared Performance	Performance	Harmonised technical specification
<i>Essential characteristics</i>		
<b>Vertical load capacity</b>	Declared value = 7kN (Characteristic value = 6.7kN) (SWL = 3.5kN)	<b>EN 845-1:2013</b>
<b>Deflection under load</b>	0.5mm	
<b>Durability</b>	Austenitic stainless steel grade 1.4301 Material / Coating reference 3 acc. to EN 845-1 Table A.1	
<b>Dangerous substances</b>	Meets UK Building Regulation requirements	

The performance of the product identified is in conformity with the declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Rhonda Backwell  
Director

01/07/2013 Brighton



Code with Spaces	Description as Sage	Masonry Bearing (Min)	Joist Bearing (Min)	Hanger Depth	Hanger Width
WRSS 100X200R100	Teco Welded Return Hanger 100 x 200 100-R *ST/ST*	100	80	190	100
WRSS 100X225R100	Teco Welded Return Hanger 100 x 225 100-R *ST/ST*	100	80	215	100
WRSS 50X200R100	Teco Welded Return Hanger 50 x 200 100-R *ST/ST*	100	80	190	50
WRSS 50X225R100	Teco Welded Return Hanger 50 x 225 100-R *ST/ST*	100	80	215	50