

**DECLARATION OF PERFORMANCE**

DoP ref. no: SPTCG1021306005



Name of manufacturer	Teco Building Products Wellington Road, Portslade, Brighton, BN41 1DN
Product type	Teco Shear Plate Connector 102mm GALV
Intended use	Structural connection of overlapping timber to timber or steel to timber members.
System of AVCP	2+
Harmonised standard	<b>EN 14545:2008</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  
Certificate Number: 1224-CPR-0335  
Where appropriate, tested by CERAM Research Ltd Notification Body No.1289

**Type B3 acc. to EN 912:2011**

**Material:** Malleable cast iron to EN 1562 GR EN-GJMW 400/5

<u>Product Code</u>	<u>Diameter (d<sub>c</sub>)</u>	<u>Height (h<sub>c</sub>):</u>
SPTCG102	102mm	15.7mm



Declared Performance		
Essential characteristics	Performance	Harmonised technical specification
<b>Mechanical strength</b>	Characteristic load bearing capacity: $R_{c,0,k} = 36.05 \text{ kN}$ (acc. to EN13271 eq 2a)	<b>EN 14545:2008</b>
<b>Mechanical stiffness</b>	Slip modulus: $k_s = 21420 \text{ N/mm}$ (acc. to EN13271 eq 3 using $\rho_k = 350\text{kg/m}^3 = \text{C24 timber}$ )	
<b>Durability</b>	Hot dip zinc coating to EN ISO 1461:2009 thickness 55µm, Mean coating mass (minimum) 395g/m <sup>2</sup> (Service Class 3 acc. to EN1995-1-1)	

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