

DECLARATION OF PERFORMANCE

DoP ref. no: **WR1306018 Rev.1/020913**



Name of manufacturer	Teco Building Products Wellington Road, Portslade, Brighton, BN41 1DN
Product type	Teco Welded Return Joist Hanger
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	EN 845-1:2013

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: Galvanised Steel EN 10346 DX51D

Product Code

WR

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/mm² AAC blocks
Min mortar joint thickness = 8mm
Failure mode = masonry crushing + o/a deflection*

Declared Performance		
<i>Essential characteristics</i>	<i>Performance</i>	<i>Harmonised technical specification</i>
Vertical load capacity	Declared value = 7kN (Characteristic value = 6.7kN) (SWL = 3.5kN)	EN 845-1:2013
Deflection under load	0.5mm	
Durability	Material / Coating reference 21 acc. to EN 845-1 Table A.1	
Dangerous substances	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
WR 100X225 R100	Teco Welded Return Hanger 100 x 225 100-R	100	80	215	100
WR 100X250 R100	Teco Welded Return Hanger 100 x 250 100-R	100	80	240	100
WR 44X200 R100	Teco Welded Return Hanger 44 x 200 100-R	100	80	190	44
WR 44X225 R100	Teco Welded Return Hanger 44 x 225 100-R	100	80	215	44
WR 44X250 R100	Teco Welded Return Hanger 44 x 250 100-R	100	80	240	44
WR 50X200 R100	Teco Welded Return Hanger 50 x 200 100-R	100	80	190	50
WR 50X225 R100	Teco Welded Return Hanger 50 x 225 100-R	100	80	215	50
WR 50X250 R100	Teco Welded Return Hanger 50 x 250 100-R	100	80	240	50
WR 63X200 R100	Teco Welded Return Hanger 63 x 200 100-R	100	80	190	63
WR 63X225 R100	Teco Welded Return Hanger 63 x 225 100-R	100	80	215	63
WR 63X250 R100	Teco Welded Return Hanger 63 x 250 100-R	100	80	240	63
WR 75X200 R100	Teco Welded Return Hanger 75 x 200 100-R	100	80	190	75
WR 75X225 R100	Teco Welded Return Hanger 75 x 225 100-R	100	80	215	75
WR 75X250 R100	Teco Welded Return Hanger 75 x 250 100-R	100	80	240	75
WR 90X200 R100	Teco Welded Return Hanger 90 x 200 100-R	100	80	190	90
WR 90X225 R100	Teco Welded Return Hanger 90 x 225 100-R	100	80	215	90
WR 90X250 R100	Teco Welded Return Hanger 90 x 250 100-R	100	80	240	90