

DECLARATION OF PERFORMANCE

DoP ref. no: HDB1306031 Rev.1/311013



Name of manufacturer	Teco Building Products Wellington Road, Portslade, Brighton, BN41 1DN
Product type	Teco Heavy Duty Restraint Strap Bent
Intended use	Heavy Duty Tension Strap for horizontal connection of masonry walls to timber floors or roofs
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 to EN 10346 Grade DX51D

Product Code

HD (length) B (length of bend)

Length of strap and bend vary in accordance to size ordered

Tested on 3.5N/mm² AAC blocks

Use min 7No 3.75x30mm sq twist nails or equivalent fixed to timber joists/rafters

Applied vertical pre-compression = 0.4N/mm²

Failure mode = masonry plug failure



Declared Performance	Performance	Harmonised technical specification
<i>Essential characteristics</i>		
Tensile load capacity	Declared value = 8.5kN (Characteristic value = 7.7kN)	EN 845-1:2013
Displacement under load	1.7 mm	
Durability	Material / Coating reference 17 acc. to EN 845-1 Table A.1 Edge coated	
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

DECLARATION OF PERFORMANCE

DoP ref. no: HDF1306032 Rev1/311013



Name of manufacturer	Teco Building Products Wellington Road, Portslade, Brighton, BN41 1DN
Product type	Teco Heavy Duty Restraint Strap Flat
Intended use	Heavy Duty Tension Strap for general purpose connection of masonry walls to timber elements
System of AVCP	3
Harmonised standard	EN 845-1:2013

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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: Galanised Steel to EN 10346 Grade DX51D

Product Code
HD (length) F

Length of strap varies in accordance to size ordered



Declared Performance	Performance	Harmonised technical specification
<i>Essential characteristics</i>		
Tensile load capacity	No performance determined	EN 845-1:2013
Displacement under load	No performance determined	
Durability	Material / Coating reference 17 acc. to EN 845-1 Table A.1 Edge coated	
Dangerous substances	Meets UK Building Regulation requirements	

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Signed for and on behalf of the manufacturer by:

Rhonda Backwell
Director

01/07/2013 Brighton

DECLARATION OF PERFORMANCE

DoP ref. no: HDT1306033



Name of manufacturer	Teco Building Products Wellington Road, Portslade, Brighton, BN41 1DN
Product type	Teco Heavy Duty Restraint Strap Twisted
Intended use	Heavy Duty Tension Strap for general purpose connection of masonry walls to timber elements
System of AVCP	3
Harmonised standard	EN 845-1:2013

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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 to EN 10346 Grade DX51D

Product Code

HD (length) T (twist length)

Length of strap and twist vary in accordance to size ordered



Declared Performance	<i>Performance</i>	<i>Harmonised technical specification</i>
<i>Essential characteristics</i>		
Tensile load capacity	No performance determined	EN 845-1:2013
Displacement under load	No performance determined	
Durability	Material / Coating reference 17 acc. to EN 845-1 Table A.1 Edge coated	
Dangerous substances	Meets UK Building Regulation requirements	

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Signed for and on behalf of the manufacturer by:

Rhonda Backwell
Director

01/07/2013 Brighton

DECLARATION OF PERFORMANCE

DoP ref. no: HDSSB1306022 Rev.1/311013



Name of manufacturer	Teco Building Products Wellington Road, Portslade, Brighton, BN41 1DN
Product type	Teco Heavy Duty Restraint Strap ST/ST Bent
Intended use	Heavy Duty Tension Strap for horizontal connection of masonry walls to timber floors or roofs
System of AVCP	3
Harmonised standard	EN 845-1:2013

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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
HDSS (length) B (length of bend)

Length of strap and bend vary in accordance to size ordered

*Tested on 3.5N/mm² AAC blocks
Use min 7No 3.75x30mm stainless steel annular ring shank nails or equivalent fixed to timber joists/rafters
Applied vertical pre-compression = 0.4N/mm²
Failure mode = masonry plug failure*



Declared Performance	Performance	Harmonised technical specification
Essential characteristics		
Tensile load capacity	Declared value = 8.5kN (Characteristic value = 7.7kN)	EN 845-1:2013
Displacement under load	1.7 mm	
Durability	Material / Coating reference 3 acc. to EN 845-1 Table A.1 Austenitic stainless steel grade 1.4301	
Dangerous substances	Meets UK Building Regulation requirements	

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Rhonda Backwell
Director

01/07/2013 Brighton