



Declaration of Performance

No. 003

Type: Lindapter Girder Clamp

Intended Use: Used for the load bearing connection of girders, channels and columns made of structural steel.

Manufacturer: Lindapter International
Lindsay House,
Brackenbeck Road
Bradford,
West Yorkshire
BD7 2NF

System of Assessment and Verification of Constancy of Performance: System 2+

Notified Body: Staatliche Materialprüfungsanstalt Darmstadt
Grafenstraße 2
64283 Darmstadt
Germany

Number: 1343

Issued: ETA 13/0300 following the Requirements of CUAP No. 06.02/15

Performed: Staatliche Materialprüfungsanstalt Darmstadt has performed the initial inspection of the factory and the factory production control and performs the continuous surveillance, assessment and approval of the factory production control under system 2+

Factory Production Control Certificate Number: 1343-CPD-M 10-2013.06

Declared Performance:

Essential Characteristic	Performance	Harmonised technical specification																		
Mechanical Resistance	<p>Characteristic values of resistance</p> <table border="1" data-bbox="418 331 1187 589"> <thead> <tr> <th>Nominal Size</th> <th>Characteristic value of tension resistance for one connection (4 Bolts) $N_{R,k}$ (kN)</th> <th>Characteristic value of shear resistance for one connection (4 Bolts) $V_{R,k}$ (kN)</th> </tr> </thead> <tbody> <tr> <td>M10</td> <td>9</td> <td>-</td> </tr> <tr> <td>M12</td> <td>30.7</td> <td>3.1</td> </tr> <tr> <td>M16</td> <td>57.2</td> <td>5.7</td> </tr> <tr> <td>M20</td> <td>89.3</td> <td>8.9</td> </tr> <tr> <td>M24</td> <td>128.6</td> <td>12.9</td> </tr> </tbody> </table> <p>Dynamic Loading: For fatigue design the fatigue strength curve 50 according to EN 1993-1-9 is used. Girder Clamps of nominal size M10 are not suitable for dynamic loading.</p>	Nominal Size	Characteristic value of tension resistance for one connection (4 Bolts) $N_{R,k}$ (kN)	Characteristic value of shear resistance for one connection (4 Bolts) $V_{R,k}$ (kN)	M10	9	-	M12	30.7	3.1	M16	57.2	5.7	M20	89.3	8.9	M24	128.6	12.9	ETA – 13/0300
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Reaction to fire	A1 (Steel)	EN 13501-1																		
Safety in use	Refer to Mechanical Resistance	ETA – 13/0300																		
Protection against noise	NPD																			
Energy Economy & heat retention	NPD																			
Durability	<p>The Girder Clamps shall have the following corrosion protection: Hot Dip Galvanised to BS EN ISO 1461 or Electrodeposited coating ISO 2081 – Fe/Zn5/A The Girder Clamps may be painted after installation together with the structure according to the provisions in EN 1090-2</p>	EN 1090-2																		
Product identification	Each product shall be identified by way of a label affixed to each packaging of Girder Clamp as defined in the ETA.	ETA – 13/0300																		

The performance of the product identified above is in conformity with the declared performance identified in the table.

Signed on behalf of Lindapter International by:



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Gordon Browning Managing Partner

BRADFORD U.K. 20.11.13

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Place and date of issue