



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	Characteristic values of resistance <table border="1" data-bbox="418 331 1187 589"> <thead> <tr> <th data-bbox="418 331 545 443">Nominal Size</th> <th data-bbox="545 331 846 443">Characteristic value of tension resistance for one connection (4 Bolts) $N_{R,k}$ (kN)</th> <th data-bbox="846 331 1187 443">Characteristic value of shear resistance for one connection (4 Bolts) $V_{R,k}$ (kN)</th> </tr> </thead> <tbody> <tr> <td data-bbox="418 443 545 472">M10</td> <td data-bbox="545 443 846 472">9</td> <td data-bbox="846 443 1187 472">-</td> </tr> <tr> <td data-bbox="418 472 545 501">M12</td> <td data-bbox="545 472 846 501">30.7</td> <td data-bbox="846 472 1187 501">3.1</td> </tr> <tr> <td data-bbox="418 501 545 530">M16</td> <td data-bbox="545 501 846 530">57.2</td> <td data-bbox="846 501 1187 530">5.7</td> </tr> <tr> <td data-bbox="418 530 545 560">M20</td> <td data-bbox="545 530 846 560">89.3</td> <td data-bbox="846 530 1187 560">8.9</td> </tr> <tr> <td data-bbox="418 560 545 589">M24</td> <td data-bbox="545 560 846 589">128.6</td> <td data-bbox="846 560 1187 589">12.9</td> </tr> </tbody> </table> 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.	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	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	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