

Lindapter®



Declarations of Performance (DoP)

For use when designing connections to Eurocode 3 only

May 2023

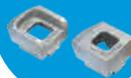


Lindapter® offers Engineers an extensive range of options for designing CE approved steelwork connections to Eurocode 3.

Each of Lindapter's CE marked products conforms to a European Technical Assessment (ETA) and the corresponding Declaration of Performance (DoP) lists Characteristic Resistances for use when designing connections to Eurocode 3.

The characteristic values are used to determine the design resistance. The design resistance is calculated by dividing the characteristic value by a partial factor γ_{M2} . The partial factor is a nationally determined parameter, for example, $\gamma_{M2} = 1.25$ for the UK).

	Types A & B Pages 3 - 5		Type AAF Pages 6 - 8		Type AF Pages 9 - 11
	Type CF Pages 12 - 13		Type LR Pages 14 - 15		Type D2 Pages 16 - 17
	Type LS Pages 18 - 19		Type F9 Pages 20 - 21		Type FC Pages 22 - 23
	Hollo-Bolt™ Pages 24 - 25		Lindibolt™ Pages 26 - 27		FloorFast™ Pages 28 - 29
	Grate-Fast™ Pages 30 - 31		Type 1055 Pages 32 - 33		Type COM Pages 34 - 35
	Type TR60 Pages 36 - 37		Type MF Pages 38 - 39		Type MW2 Pages 40 - 41
	Type AW Pages 42 - 43		Type AMD Pages 44 - 45		Type SD2 Pages 46 - 47
	Type VN Pages 48 - 49		Type SM Pages 50 - 51		



Declaration of Performance

No. 003

- | | |
|---|--|
| 1. Product type: | Type A and Type B Girder Clamps |
| 2. Type, batch or serial no.: | A10/A12/A16/A20/A24, B10/B12/B16/B20/B24
Batch no. See product packaging |
| 3. Intended use: | A girder clamp used for the load bearing connection of girders, channels and columns made of structural steel. |
| 4. Manufacturer: | Lindapter International
Lindsay House,
Brackenbeck Road
Bradford,
West Yorkshire
BD7 2NF |
| 5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): | NA |
| 6. System of assessment and Verification of constancy of performance: | System 2+ |
| 7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: | NA |
| 8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued, technical assessment body: | Technicky a zkusebni ustav stavebni Praha, s.p.
Prosecka 811/76a
190 00 Prague
Czech Republic |
| issued: | ETA 20/0918 |
| on the basis of: | EAD No. 330080-00-0602 |
| performed: | Element Materials Technology Rotterdam B.V.,
Zekeringstraat 33, 1014 BV, Amsterdam, Netherlands 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.
Notified Body No. 2812 |
| under system: | 2+ |
| and issued the Factory Production Control certificate number: | 2812-CPR-1140 |



9. Declared performance

Essential Characteristic	Performance	Harmonised technical specification																																																																													
Mechanical Resistance	Characteristic values of Static Tension and Slip resistance	EAD No. 330080-00-0602 ETA – 20/0918 Section 3.1 and Annex 14																																																																													
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Dimensional Stability	The tolerances for dimensions / size are defined in the ETA.	EAD No. 330080-00-0602 ETA – 20/0918 Annex 12													
Reaction to fire	A1 (Steel)	EN 13501-1													
Durability	<table border="1"> <thead> <tr> <th>Corrosivity Class</th> <th>Galvanised Steel</th> <th>Electro - plated steel</th> </tr> </thead> <tbody> <tr> <td>C1</td> <td>More than 50 years</td> <td>More than 20 years</td> </tr> <tr> <td>C2</td> <td>More than 50 years</td> <td>More than 5 years</td> </tr> <tr> <td>C3</td> <td>More than 20 years</td> <td>Not suitable</td> </tr> </tbody> </table>		Corrosivity Class	Galvanised Steel	Electro - plated steel	C1	More than 50 years	More than 20 years	C2	More than 50 years	More than 5 years	C3	More than 20 years	Not suitable	ISO 9223
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	C1	More than 50 years	More than 20 years												
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C3	More than 20 years	Not suitable													
Product identification	Each product shall be identified by way of a label affixed to each packaging of fastener assemblies as defined in the ETA.	EAD No. 330080-00-0602 ETA – 20/0918 Annex 11													

10. The performance of the product identified above is in conformity with the declared performance identified in the point 9.

Signed for on behalf of Lindapter International by:


.....

Bradford UK, 14th December 2020

Michael Norris Managing Director

Place and date of issue



Declaration of Performance

No. 005

- | | |
|---|---|
| 1. Product type: | Type AAF |
| 2. Type, batch or serial no.: | AAF12/AAF16/AAF20
Batch no. See product packaging |
| 3. Intended use: | A High Slip Resistance clamp used to clamp together steel components. |
| 4. Manufacturer: | Lindapter International
Lindsay House,
Brackenbeck Road
Bradford,
West Yorkshire
BD7 2NF |
| 5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): | NA |
| 6. System of assessment and Verification of constancy of performance: | System 2+ |
| 7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: | NA |
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Prosecka 811/76a
190 00 Prague
Czech Republic |
| issued: | ETA 20/0918 |
| on the basis of: | EAD No. 330080-00-0602 High Slip Resistance clamp (HSR) and Girder Clamp Assembly |
| performed: | Element Materials Technology Rotterdam B.V.,
Zekeringstraat 33, 1014 BV, Amsterdam, Netherlands 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+ |
| and issued the Factory Production Control certificate number: | 2812-CPR-1140 |



9. Declared performance

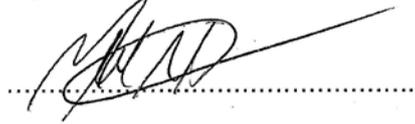
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1 x 10 ⁴	2 x 10 ⁴	78.26	145.75	227.44																																																												
2 x 10 ⁴	6 x 10 ⁴	54.26	101.05	157.69																																																												
6 x 10 ⁴	2 x 10 ⁵	36.32	67.65	105.57																																																												
2 x 10 ⁵	6 x 10 ⁵	25.19	46.91	73.20																																																												
6 x 10 ⁵	2 x 10 ⁶	16.86	31.40	49.00																																																												
2 x 10 ⁶	5 x 10 ⁶	14.43	23.14	36.11																																																												
5 x 10 ⁶	1 x 10 ⁷	10.81	20.13	31.42																																																												
1 x 10 ⁷	1 x 10 ⁸	9.41	17.53	27.35																																																												
Greater than	1 x 10 ⁸	6.82	12.70	19.83																																																												
Dimensional Stability	The tolerances for dimensions / size are defined in the ETA.	EAD No. 330080-00-0602 ETA – 20/0918 Annex 6																																																														
Reaction to fire	A1 (Steel)	EN 13501-1																																																														
Durability	<table border="1"> <thead> <tr> <th>Corrosivity Class</th> <th>Galvanised Steel</th> </tr> </thead> <tbody> <tr> <td>C1</td> <td>More than 50 years</td> </tr> <tr> <td>C2</td> <td>More than 50 years</td> </tr> <tr> <td>C3</td> <td>More than 20 years</td> </tr> </tbody> </table>	Corrosivity Class	Galvanised Steel	C1	More than 50 years	C2	More than 50 years	C3	More than 20 years	ISO 9223																																																						
	Corrosivity Class	Galvanised Steel																																																														
	C1	More than 50 years																																																														
	C2	More than 50 years																																																														
C3	More than 20 years																																																															



Product identification	Each product shall be identified by way of a label affixed to each packaging of fastener assemblies as defined in the ETA.	EAD No. 330080-00-0602 ETA – 20/0918 Annex 6
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10. The performance of the product identified above is in conformity with the declared performance identified in the point 9.

Signed for on behalf of Lindapter International by:


.....

Michael Norris Managing Director

Bradford UK, 1st March 2022

Place and date of issue



Declaration of Performance

No. 004

- | | |
|---|---|
| 1. Product type: | Type AF |
| 2. Type, batch or serial no.: | AF12/AF16/AF20/AF24
Batch no. See product packaging |
| 3. Intended use: | A High Slip Resistance clamp used to clamp together steel components. |
| 4. Manufacturer: | Lindapter International
Lindsay House,
Brackenbeck Road
Bradford,
West Yorkshire
BD7 2NF |
| 5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): | NA |
| 6. System of assessment and Verification of constancy of performance: | System 2+ |
| 7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: | NA |
| 8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued, technical assessment body: | Technicky a zkusebni ustav stavebni Praha, s.p.
Prosecka 811/76a
190 00 Prague
Czech Republic |
| issued: | ETA 20/0918 |
| on the basis of: | EAD No. 330080-00-0602 High Slip Resistance clamp (HSR) and Girder Clamp assembly |
| performed: | Element Materials Technology Rotterdam B.V.,
Zekeringstraat 33, 1014 BV, Amsterdam, Netherlands 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
Notified Body No. 2812 |
| under system: | 2+ |
| and issued the Factory Production Control certificate number: | 2812-CPR-1140 |



9. Declared performance

Essential Characteristic	Performance				Harmonised technical specification																																																																									
Mechanical Resistance	Product	Bolt property class	Slip resistance F_s, R_k (4 bolts) (kN)		Tension resistance F_t, R_k (4 bolts) (kN)																																																																									
			Painted*	Galvanised																																																																										
	AF12	8.8	12	14	136																																																																									
	AF16	8.8	25	30	214																																																																									
	AF20	8.8	50	60	460																																																																									
	AF24	8.8	80	96	700																																																																									
	AF12	10.9	16	20	160																																																																									
	AF16	10.9	42	44	284																																																																									
	AF20	10.9	75	90	520																																																																									
	AF24	10.9	110	140	750																																																																									
	<p>*Shot blast to Swedish standard SA2½, then painted one coat oxide primer</p> <p>Allowable maximum forces for tension resistance for dynamic loading</p> <p>Allowable maximum forces for tension (k=0)</p> <p>Design resistance in tension for dynamic loading</p>																																																																													
			<table border="1"> <thead> <tr> <th colspan="2">Number of cycles</th> <th colspan="4">Design resistances $F_{t,Rd}$ (tension) per 4 bolt connection (Property class 8.8)</th> </tr> <tr> <th>from</th> <th>up to</th> <th>AF12 (kN)</th> <th>AF16 (kN)</th> <th>AF20 (kN)</th> <th>AF24 (kN)</th> </tr> </thead> <tbody> <tr> <td></td> <td>1 x 10⁴</td> <td>108.00</td> <td>171.00</td> <td>368.00</td> <td>560.00</td> </tr> <tr> <td>1 x 10⁴</td> <td>2 x 10⁴</td> <td>78.26</td> <td>145.75</td> <td>227.44</td> <td>327.70</td> </tr> <tr> <td>2 x 10⁴</td> <td>6 x 10⁴</td> <td>54.26</td> <td>101.05</td> <td>157.69</td> <td>227.20</td> </tr> <tr> <td>6 x 10⁴</td> <td>2 x 10⁵</td> <td>36.32</td> <td>67.65</td> <td>105.57</td> <td>152.10</td> </tr> <tr> <td>2 x 10⁵</td> <td>6 x 10⁵</td> <td>25.19</td> <td>46.91</td> <td>73.20</td> <td>105.46</td> </tr> <tr> <td>6 x 10⁵</td> <td>2 x 10⁶</td> <td>16.86</td> <td>31.40</td> <td>49.00</td> <td>70.60</td> </tr> <tr> <td>2 x 10⁶</td> <td>5 x 10⁶</td> <td>14.43</td> <td>23.14</td> <td>36.11</td> <td>52.03</td> </tr> <tr> <td>5 x 10⁶</td> <td>1 x 10⁷</td> <td>10.81</td> <td>20.13</td> <td>31.42</td> <td>45.27</td> </tr> <tr> <td>1 x 10⁷</td> <td>1 x 10⁸</td> <td>9.41</td> <td>17.53</td> <td>27.35</td> <td>39.41</td> </tr> <tr> <td>Greater than</td> <td>1 x 10⁸</td> <td>6.82</td> <td>12.70</td> <td>19.83</td> <td>28.56</td> </tr> </tbody> </table>				Number of cycles		Design resistances $F_{t,Rd}$ (tension) per 4 bolt connection (Property class 8.8)				from	up to	AF12 (kN)	AF16 (kN)	AF20 (kN)	AF24 (kN)		1 x 10 ⁴	108.00	171.00	368.00	560.00	1 x 10 ⁴	2 x 10 ⁴	78.26	145.75	227.44	327.70	2 x 10 ⁴	6 x 10 ⁴	54.26	101.05	157.69	227.20	6 x 10 ⁴	2 x 10 ⁵	36.32	67.65	105.57	152.10	2 x 10 ⁵	6 x 10 ⁵	25.19	46.91	73.20	105.46	6 x 10 ⁵	2 x 10 ⁶	16.86	31.40	49.00	70.60	2 x 10 ⁶	5 x 10 ⁶	14.43	23.14	36.11	52.03	5 x 10 ⁶	1 x 10 ⁷	10.81	20.13	31.42	45.27	1 x 10 ⁷	1 x 10 ⁸	9.41	17.53	27.35	39.41	Greater than	1 x 10 ⁸	6.82	12.70	19.83	28.56
	Number of cycles		Design resistances $F_{t,Rd}$ (tension) per 4 bolt connection (Property class 8.8)																																																																											
from	up to	AF12 (kN)	AF16 (kN)	AF20 (kN)	AF24 (kN)																																																																									
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Greater than	1 x 10 ⁸	6.82	12.70	19.83	28.56																																																																									
Dimensional Stability	The tolerances for dimensions / size are defined in the ETA.				EAD No. 330080-00-0602 ETA – 20/0918 Annex 3																																																																									
Reaction to fire	A1 (Steel)				EN 13501-1																																																																									



Durability	Corrosivity Class	Galvanised Steel	ISO 9223
	C1	More than 50 years	
	C2	More than 50 years	
	C3	More than 20 years	
Product identification	Each product shall be identified by way of a label affixed to each packaging of fastener assemblies as defined in the ETA.		EAD No. 330080-00-0602 ETA – 20/0918 Annex 3

10. The performance of the product identified above is in conformity with the declared performance identified in the point 9.

Signed for on behalf of Lindapter International by:



 Michael Norris Managing Director

Bradford UK, 1st March 2022

Place and date of issue



Declaration of Performance

No. 011

- | | |
|---|---|
| 1. Product type: | Type CF |
| 2. Type, batch or serial no.: | CF12/CF212/CF16/CF216/CF20/CF220
Batch no. See product packaging |
| 3. Intended use: | An adjustable clamp used to connect steel components. Adjustable to allow for use with multiple profiles of steelwork. |
| 4. Manufacturer: | Lindapter International
Lindsay House,
Brackenbeck Road
Bradford,
West Yorkshire
BD7 2NF |
| 5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): | NA |
| 6. System of assessment and Verification of constancy of performance: | System 2+ |
| 7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: | NA |
| 8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued, technical assessment body: | Technicky a zkusebni ustav stavebni Praha, s.p.
Prosecka 811/76a
190 00 Prague
Czech Republic |
| issued: | ETA 20/0921 |
| on the basis of: | EAD No. 330155-00-0602 Self Adjustable Clamp assemblies |
| performed: | Element Materials Technology Rotterdam B.V.,
Zekeringstraat 33, 1014 BV, Amsterdam, Netherlands 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
Notified Body No. 2812 |
| under system: | 2+ |
| and issued the Factory Production Control certificate number: | 2812-CPR-1142 |

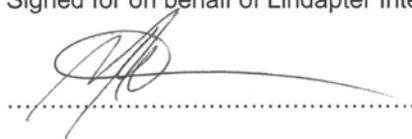


9. Declared performance

Essential Characteristic	Performance				Harmonised technical specification
Mechanical Resistance	Product	Bolt property class	Slip resistance F_s,R_k (4 bolts) (kN)	Tension resistance F_t,R_k (4 bolts) (kN)	EAD No. 330155-00-0602 ETA – 20/0921 Section 3.1 & Annex 27
	CF12/212	8.8	12	136	
	CF16/216	8.8	25	214	
	CF20/220	8.8	50	460	
Dimensional Stability	The tolerances for dimensions / size are defined in the ETA.				EAD No. 330155-00-0602 ETA – 20/0921 Annex 18
Reaction to fire	A1 (Steel)				EN 13501-1
Durability			Corrosivity Class	Galvanised Steel	ISO 9223
			C1	More than 50 years	
			C2	More than 50 years	
			C3	More than 20 years	
Product identification	Each product shall be identified by way of a label affixed to each packaging of fastener assemblies as defined in the ETA.				EAD No. 330155-00-0602 ETA – 20/0921 Annex 18

10. The performance of the product identified above is in conformity with the declared performance identified in the point 9.

Signed for on behalf of Lindapter International by:



Michael Norris Managing Director

Bradford UK, 14th December 2020

Place and date of issue



Declaration of Performance

No. 006

- | | |
|---|---|
| 1. Product type: | Type LR |
| 2. Type, batch or serial no.: | LR10/LR12/LR16/LR20/LR24
Batch no. See product packaging |
| 3. Intended use: | An adjustable clamp used to connect steel components.
Adjustable to allow for use with multiple profiles of steelwork. |
| 4. Manufacturer: | Lindapter International
Lindsay House,
Brackenbeck Road
Bradford,
West Yorkshire
BD7 2NF |
| 5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): | NA |
| 6. System of assessment and Verification of constancy of performance: | System 2+ |
| 7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: | NA |
| 8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued, technical assessment body: | Technicky a zkusebni ustav stavebni Praha, s.p.
Prosecka 811/76a
190 00 Prague
Czech Republic |
| issued: | ETA 20/0921 |
| on the basis of: | EAD No. 330155-00-0602 Self Adjustable Clamp assemblies |
| performed: | Element Materials Technology Rotterdam B.V.,
Zekeringstraat 33, 1014 BV, Amsterdam, Netherlands 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
Notified Body No. 2812 |
| under system: | 2+ |
| and issued the Factory Production Control certificate number: | 2812-CPR-1142 |

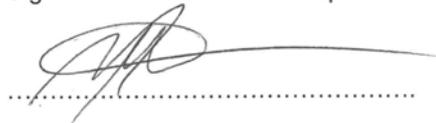


9. Declared performance

Essential Characteristic	Performance				Harmonised technical specification
Mechanical Resistance	Product	Bolt property class	Slip resistance Fs,Rk (4 bolts) (kN)	Tension resistance Ft,Rk (4 bolts) (kN)	EAD No. 330155-00-0602 ETA – 20/0921 Section 3.1 & Annex 26
	LR10	8.8	2	11.5	
	LR12	8.8	3.5	34	
	LR16	8.8	6.5	63.5	
	LR20	8.8	10	99	
	LR24	8.8	14.5	143	
Dimensional Stability	The tolerances for dimensions / size are defined in the ETA.				EAD No. 330155-00-0602 ETA – 20/0921 Annex 3
Reaction to fire	A1 (Steel)				EN 13501-1
Durability	Corrosivity Class	Galvanised Steel	Electro - plated steel		ISO 9223
	C1	More than 50 years	More than 20 years		
	C2	More than 50 years	More than 5 years		
	C3	More than 20 years	Not suitable		
Product identification	Each product shall be identified by way of a label affixed to each packaging of fastener assemblies as defined in the ETA.				EAD No. 330155-00-0602 ETA – 20/0921 Annex 3

10. The performance of the product identified above is in conformity with the declared performance identified in the point 9.

Signed for on behalf of Lindapter International by:


.....

Michael Norris Managing Director

Bradford UK, 14th December 2020

Place and date of issue



Declaration of Performance

No. 007

- | | |
|---|---|
| 1. Product type: | Type D2 |
| 2. Type, batch or serial no.: | D210/D212/D216/D220
Batch no. See product packaging |
| 3. Intended use: | An adjustable clamp used to connect steel components. Adjustable to allow for use with multiple profiles of steelwork. |
| 4. Manufacturer: | Lindapter International
Lindsay House,
Brackenbeck Road
Bradford,
West Yorkshire
BD7 2NF |
| 5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): | NA |
| 6. System of assessment and Verification of constancy of performance: | System 2+ |
| 7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: | NA |
| 8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued, technical assessment body: | Technicky a zkusebni ustav stavebni Praha, s.p.
Prosecka 811/76a
190 00 Prague
Czech Republic |
| issued: | ETA 20/0921 |
| on the basis of: | EAD No. 330155-00-0602 Self Adjustable Clamp assemblies |
| performed: | Element Materials Technology Rotterdam B.V.,
Zekeringstraat 33, 1014 BV, Amsterdam, Netherlands 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+ |
| and issued the Factory Production Control certificate number: | 2812-CPR-1142 |



9. Declared performance

Essential Characteristic	Performance				Harmonised technical specification
Mechanical Resistance	Product	Bolt property class	Slip resistance Fs,Rk (4 bolts) (kN)	Tension resistance Ft,Rk (4 bolts) (kN)	EAD No. 330155-00-0602 ETA – 20/0921 Section 3.1 & Annex 26
	D210	8.8	2	11.5	
	D212	8.8	3.5	34	
	D216	8.8	6.5	63.5	
	D220	8.8	10	99	
Dimensional Stability	The tolerances for dimensions / size are defined in the ETA.				EAD No. 330155-00-0602 ETA – 20/0921 Annex 6
Reaction to fire	A1 (Steel)				EN 13501-1
Durability	Corrosivity Class	Galvanised Steel	Electro - plated steel		ISO 9223
	C1	More than 50 years	More than 20 years		
	C2	More than 50 years	More than 5 years		
	C3	More than 20 years	Not suitable		
Product identification	Each product shall be identified by way of a label affixed to each packaging of fastener assemblies as defined in the ETA.				EAD No. 330155-00-0602 ETA – 20/0921 Annex 6

10. The performance of the product identified above is in conformity with the declared performance identified in the point 9.

Signed for on behalf of Lindapter International by:

Michael Norris Managing Director

Bradford UK, 14th December 2020

Place and date of issue



Declaration of Performance

No. 008

- | | |
|---|---|
| 1. Product type: | Type LS |
| 2. Type, batch or serial no.: | LS10/LS12/LS16/LS20
Batch no. See product packaging |
| 3. Intended use: | An adjustable clamp used to connect steel components.
Adjustable to allow for use with multiple profiles of steelwork. |
| 4. Manufacturer: | Lindapter International
Lindsay House,
Brackenbeck Road
Bradford,
West Yorkshire
BD7 2NF |
| 5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): | NA |
| 6. System of assessment and Verification of constancy of performance: | System 2+ |
| 7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: | NA |
| 8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued, technical assessment body: | Technicky a zkusebni ustav stavebni Praha, s.p.
Prosecka 811/76a
190 00 Prague
Czech Republic |
| issued: | ETA 20/0921 |
| on the basis of: | EAD No. 330155-00-0602 Self Adjustable Clamp assemblies |
| performed: | Element Materials Technology Rotterdam B.V.,
Zekeringstraat 33, 1014 BV, Amsterdam, Netherlands 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
Notified Body No. 2812 |
| under system: | 2+ |
| and issued the Factory Production Control certificate number: | 2812-CPR-1142 |



9. Declared performance

Essential Characteristic	Performance				Harmonised technical specification
	Product	Bolt property class	Slip resistance F_s, R_k (4 bolts) (kN)	Tension resistance F_t, R_k (4 bolts) (kN)	
Mechanical Resistance	LS10	A4-70	4	40	EAD No. 330155-00-0602 ETA – 20/0921 Section 3.1 and Annex 26
	LS12	A4-70	8	80	
	LS16	A4-70	12	160	
	LS20	A4-70	20	220	
Dimensional Stability	The tolerances for dimensions / size are defined in the ETA.				EAD No. 330155-00-0602 ETA – 20/0921 Annex 9
Reaction to fire	A1 (Steel)				EN 13501-1
Durability	Corrosivity Class	Stainless Steel			ISO 9223
	C1	More than 50 years			
	C2	More than 50 years			
	C3	More than 50 years			
Product identification	Each product shall be identified by way of a label affixed to each packaging of fastener assemblies as defined in the ETA.				EAD No. 330155-00-0602 ETA – 20/0921 Annex 9

10. The performance of the product identified above is in conformity with the declared performance identified in the point 9.

Signed for on behalf of Lindapter International by:

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Michael Norris Managing Director

Bradford UK, 14th December 2020

Place and date of issue



Declaration of Performance

No. 010

- | | |
|---|---|
| 1. Product type: | Type F9 |
| 2. Type , batch or serial no.: | F910/F912/F916/F920/F924
Batch no. See product packaging |
| 3. Intended use: | An adjustable clamp used to connect steel components. Adjustable to allow for use with multiple profiles of steelwork. |
| 4. Manufacturer: | Lindapter International
Lindsay House,
Brackenbeck Road
Bradford,
West Yorkshire
BD7 2NF |
| 5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): | NA |
| 6. System of assessment and Verification of constancy of performance: | System 2+ |
| 7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: | NA |
| 8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued, technical assessment body: | Technicky a zkusebni ustav stavebni Praha, s.p.
Prosecka 811/76a
190 00 Prague
Czech Republic |
| issued: | ETA 20/0921 |
| on the basis of: | EAD No. 330155-00-0602 Self Adjustable Clamp assemblies |
| performed: | Element Materials Technology Rotterdam B.V.,
Zekeringstraat 33, 1014 BV, Amsterdam, Netherlands 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
Notified Body No. 2812 |
| under system: | 2+ |
| and issued the Factory Production Control certificate number: | 2812-CPR-1142 |



9. Declared performance

Essential Characteristic	Performance	Harmonised technical specification																								
Mechanical Resistance	<table border="1"> <thead> <tr> <th>Product</th> <th>Bolt property class</th> <th>Slip resistance Fs,Rk (4 bolts) (kN)</th> <th>Tension resistance Ft,Rk (4 bolts) (kN)</th> </tr> </thead> <tbody> <tr> <td>F910</td> <td>8.8</td> <td>1.5</td> <td>10</td> </tr> <tr> <td>F912</td> <td>8.8</td> <td>3</td> <td>24</td> </tr> <tr> <td>F916</td> <td>8.8</td> <td>6</td> <td>45</td> </tr> <tr> <td>F920</td> <td>8.8</td> <td>9</td> <td>75</td> </tr> <tr> <td>F924</td> <td>8.8</td> <td>13</td> <td>100</td> </tr> </tbody> </table>	Product	Bolt property class	Slip resistance Fs,Rk (4 bolts) (kN)	Tension resistance Ft,Rk (4 bolts) (kN)	F910	8.8	1.5	10	F912	8.8	3	24	F916	8.8	6	45	F920	8.8	9	75	F924	8.8	13	100	EAD No. 330155-00-0602 ETA – 20/0921 Section 3.1 & Annex 27
Product	Bolt property class	Slip resistance Fs,Rk (4 bolts) (kN)	Tension resistance Ft,Rk (4 bolts) (kN)																							
F910	8.8	1.5	10																							
F912	8.8	3	24																							
F916	8.8	6	45																							
F920	8.8	9	75																							
F924	8.8	13	100																							
Dimensional Stability	The tolerances for dimensions / size are defined in the ETA.	EAD No. 330155-00-0602 ETA – 20/0921 Annex 15																								
Reaction to fire	A1 (Steel)	EN 13501-1																								
Durability	<table border="1"> <thead> <tr> <th>Corrosivity Class</th> <th>Galvanised Steel</th> <th>Electroplated steel</th> </tr> </thead> <tbody> <tr> <td>C1</td> <td>More than 50 years</td> <td>More than 20 years</td> </tr> <tr> <td>C2</td> <td>More than 50 years</td> <td>More than 5 years</td> </tr> <tr> <td>C3</td> <td>More than 20 years</td> <td>Not suitable</td> </tr> </tbody> </table>	Corrosivity Class	Galvanised Steel	Electroplated steel	C1	More than 50 years	More than 20 years	C2	More than 50 years	More than 5 years	C3	More than 20 years	Not suitable	ISO 9223												
Corrosivity Class	Galvanised Steel	Electroplated steel																								
C1	More than 50 years	More than 20 years																								
C2	More than 50 years	More than 5 years																								
C3	More than 20 years	Not suitable																								
Product identification	Each product shall be identified by way of a label affixed to each packaging of fastener assemblies as defined in the ETA.	EAD No. 330155-00-0602 ETA – 20/0921 Annex 15																								

10. The performance of the product identified above is in conformity with the declared performance identified in the point 9.

Signed for on behalf of Lindapter International by:

.....


Michael Norris Managing Director

Bradford UK, 14th December 2020

Place and date of issue



Declaration of Performance

No. 012

- | | |
|---|---|
| 1. Product type: | Type FC |
| 2. Type, batch or serial no.: | FC16
Batch no. See product packaging |
| 3. Intended use: | An adjustable clamp used to connect steel components. Adjustable to allow for use with multiple profiles of steelwork. |
| 4. Manufacturer: | Lindapter International
Lindsay House,
Brackenbeck Road
Bradford,
West Yorkshire
BD7 2NF |
| 5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): | NA |
| 6. System of assessment and Verification of constancy of performance: | System 2+ |
| 7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: | NA |
| 8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued, technical assessment body: | Technicky a zkusebni ustav stavebni Praha, s.p.
Prosecka 811/76a
190 00 Prague
Czech Republic |
| issued: | ETA 20/0921 |
| on the basis of: | EAD No. 330155-00-0602 Self Adjustable Clamp assemblies |
| performed: | Element Materials Technology Rotterdam B.V.,
Zekeringstraat 33, 1014 BV, Amsterdam, Netherlands 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
Notified Body No. 2812 |
| under system: | 2+ |
| and issued the Factory Production Control certificate number: | 2812-CPR-1142 |



9. Declared performance

Essential Characteristic	Performance				Harmonised technical specification
Mechanical Resistance	Product	Bolt property class	Slip resistance Fs,Rk (4 bolts) (kN)	Tension resistance Ft,Rk (4 bolts) (kN)	EAD No. 330155-00-0602 ETA – 20/0921 Section 3.1 & Annex 27
	FC16	8.8	15	120	
Dimensional Stability	The tolerances for dimensions / size are defined in the ETA.				EAD No. 330155-00-0602 ETA – 20/0921 Annex 21
Reaction to fire	A1 (Steel)				EN 13501-1
Durability	Corrosivity Class	Electroplated steel with JS500			ISO 9223
	C1	More than 50 years			
	C2	More than 20 years			
	C3	More than 10 years			
Product identification	Each product shall be identified by way of a label affixed to each packaging of fastener assemblies as defined in the ETA.				EAD No. 330155-00-0602 ETA – 20/0921 Annex 21

10. The performance of the product identified above is in conformity with the declared performance identified in the point 9.

Signed for on behalf of Lindapter International by:

Michael Norris Managing Director

Bradford UK, 14th December 2020

Place and date of issue



Declaration of Performance

No. 001

- | | |
|---|---|
| 1. Product type: | Hollo-Bolt® |
| 2. Type, batch or serial no.: | ETA 20/0917
Batch no. See product packaging |
| 3. Intended use: | An expanding structural bolting assembly for use in blind fastening to steelwork |
| 4. Manufacturer: | Lindapter International
Lindsay House,
Brackenbeck Road
Bradford,
West Yorkshire
BD7 2NF |
| 5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): | NA |
| 6. System of assessment and Verification of constancy of performance: | System 2+ |
| 7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: | NA |
| 8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued, technical assessment body: | Technicky a zkusebni ustav stavebni Praha, s.p.
Prosecka 811/76a
190 00 Prague
Czech Republic |
| issued: | ETA 20/0917 |
| on the basis of: | EAD No. 330001-00-0602 |
| performed: | Element Materials Technology Rotterdam B.V.,
Zekeringstraat 33, 1014 BV, Amsterdam, Netherlands 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
Notified Body No. 2812 |
| under system: | 2+ |
| and issued the Factory Production Control certificate number: | 2812-CPR-0208 |



9. Declared performance

Essential Characteristic	Performance					Harmonised technical specification					
Mechanical Resistance	Nominal size	Tension resistance $F_{t,Rk}$ (kN)	Shear resistance $F_{v,Rk}$ (kN)	Material strength of sleeve (N/mm ²)						EAD No. 330001-00-0602 ETA – 20/0917 Section 3.1 and Annexes	
					Carbon Steel						
	M08	23.1	32.9	430							
	M10	39.6	54.2	430							
	M12	45.8	71.0	430							
	M16	84.3	139.0	430							
	M20	124.0	211.0	390							
	Stainless Steel										
	M08	26.8	30.7	500							
	M10	46.0	51.0	500							
	M12	53.3	65.0	500							
	M16	98.0	128.0	500							
	M20	154.0	205.0	500							
Dimensional Stability	The tolerances for dimensions / size are defined in the ETA.					EAD No. 330001-00-0602 ETA – 20/0917 Annexes					
Reaction to fire	A1 (Steel)					EN 13501-1					
Durability						ISO 9223					
	Corrosivity Class	Galvanised Steel	Zinc Plated + JS500	Sheraplex	Stainless Steel						
	C1	More than 50 years	More than 50 years	More than 50 years	More than 50 years						
	C2	More than 50 years	More than 20 years	More than 50 years	More than 50 years						
	C3	More than 20 years	More than 10 years	More than 20 years	More than 50 years						
Product identification	Each product shall be identified by way of a label affixed to each packaging of fastener assemblies as defined in the ETA.					EAD No. 330001-00-0602 ETA – 20/0917 Annexes					

10. The performance of the product identified above is in conformity with the declared performance identified in the point 9.

Signed for on behalf of Lindapter International by:



Michael Norris Managing Director

Bradford UK, 16th November 2022

Place and date of issue



Declaration of Performance

No. 002

- | | |
|---|---|
| 1. Product type: | Lindibolt® |
| 2. Type, batch or serial no.: | ETA 20/0916
Batch no. See product packaging |
| 3. Intended use: | An expanding structural bolting assembly for use in blind fastening to steelwork |
| 4. Manufacturer: | Lindapter International
Lindsay House,
Brackenbeck Road
Bradford,
West Yorkshire
BD7 2NF |
| 5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): | NA |
| 6. System of assessment and Verification of constancy of performance: | System 2+ |
| 7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: | NA |
| 8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued, technical assessment body: | Technicky a zkusebni ustav stavebni Praha, s.p.
Prosecka 811/76a
190 00 Prague
Czech Republic |
| issued: | ETA 20/0916 |
| on the basis of: | EAD No. 330001-00-0602 |
| performed: | Element Materials Technology Rotterdam B.V.,
Zekeringstraat 33, 1014 BV, Amsterdam, Netherlands 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
Notified Body No. 2812 |
| under system: | 2+ |
| and issued the Factory Production Control certificate number: | 2812-CPR-0218 |



9. Declared performance

Essential Characteristic	Performance				Harmonised technical specification
Mechanical Resistance	Nominal size	Tension resistance $F_{t,Rk}$ (kN)	Shear resistance $F_{v,Rk}$ (kN)	Material strength of sleeve (N/mm ²)	EAD No. 330001-00-0602 ETA – 20/0916 Section 3.1 and Annexes
		M10	12.0	14.8	
	M12	17.7	21.4	380	
	M16	34.5	40.6	380	
	M20	54.5	64.1	380	
	M24	79.1	93.2	380	
	M10	15.8	13.7	500	
	M12	23.2	19.9	500	
	M16	45.4	38.0	500	
	M20	71.7	60.1	500	
M24	104.1	87.3	500		
Dimensional Stability	The tolerances for dimensions / size are defined in the ETA.				EAD No. 330001-00-0602 ETA – 20/0916 Annexes
Reaction to fire	A1 (Steel)				EN 13501-1
Durability	Corrosivity Class	Electro - plated steel	Stainless Steel		ISO 9223
	C1	More than 20 years	More than 50 years		
	C2	More than 5 years	More than 50 years		
	C3	Not suitable	More than 50 years		
Product identification	Each product shall be identified by way of a label affixed to each packaging of fastener assemblies as defined in the ETA.				EAD No. 330001-00-0602 ETA – 20/0916 Annexes

10. The performance of the product identified above is in conformity with the declared performance identified in the point 9.

Signed for on behalf of Lindapter International by:

Michael Norris Managing Director

Bradford UK, 14th December 2020

Place and date of issue



Declaration of Performance

No. 013

- | | |
|---|---|
| 1. Product type: | Floorfast |
| 2. Type, batch or serial no.: | FF08/FF10/FF12
Batch no. See product packaging |
| 3. Intended use: | An adjustable clamp used to connect steel components. Adjustable to allow for use with multiple profiles of steelwork. |
| 4. Manufacturer: | Lindapter International
Lindsay House,
Brackenbeck Road
Bradford,
West Yorkshire
BD7 2NF |
| 5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): | NA |
| 6. System of assessment and Verification of constancy of performance: | System 2+ |
| 7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: | NA |
| 8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued, technical assessment body: | Technicky a zkusebni ustav stavebni Praha, s.p.
Prosecka 811/76a
190 00 Prague
Czech Republic |
| issued: | ETA 20/0919 |
| on the basis of: | EAD No. 330079-00-0602 Floor Fixing assemblies for use in checker plate or open bar grating |
| performed: | Element Materials Technology Rotterdam B.V.,
Zekeringstraat 33, 1014 BV, Amsterdam, Netherlands 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
Notified Body No. 2812 |
| under system: | 2+ |
| and issued the Factory Production Control certificate number: | 2812-CPR-1141 |



9. Declared performance

Essential Characteristic	Performance				Harmonised technical specification
Mechanical Resistance	Product	Slip resistance Fs,Rk (4 fixings) (kN)	Tension resistance Ft,Rk (4 fixings) (kN)		EAD No. 330079-00-0602 ETA – 20/0919 Section 3.1 & Annex 8
	FF08	2.8	25.4		
	FF10	4.1	35.6		
	FF12	4.1	47.2		
Dimensional Stability	The tolerances for dimensions / size are defined in the ETA.				EAD No. 330079-00-0602 ETA – 20/0919 Annex 2
Reaction to fire	A1 (Steel)				EN 13501-1
Durability	Corrosivity Class	Galvanised Steel	Electroplated steel	Stainless Steel	ISO 9223
	C1	More than 50 years	More than 20 years	More than 50 years	
	C2	More than 50 years	More than 5 years	More than 50 years	
	C3	More than 20 years	Not suitable	More than 50 years	
Product identification	Each product shall be identified by way of a label affixed to each packaging of fastener assemblies as defined in the ETA.				EAD No. 330079-00-0602 ETA – 20/0919 Annex 2

10. The performance of the product identified above is in conformity with the declared performance identified in the point 9.

Signed for on behalf of Lindapter International by:



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Michael Norris Managing Director

Bradford UK, 14th December 2020

Place and date of issue



Declaration of Performance

No. 014

- | | |
|---|---|
| 1. Product type: | Grate-fast |
| 2. Type , batch or serial no.: | GF08/GF10HDG/GF210HDG
Batch no. See product packaging |
| 3. Intended use: | An adjustable clamp used to connect steel components.
Adjustable to allow for use with multiple profiles of steelwork. |
| 4. Manufacturer: | Lindapter International
Lindsay House,
Brackenbeck Road
Bradford,
West Yorkshire
BD7 2NF |
| 5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): | NA |
| 6. System of assessment and Verification of constancy of performance: | System 2+ |
| 7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: | NA |
| 8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued, technical assessment body: | Technicky a zkusebni ustav stavebni Praha, s.p.
Prosecka 811/76a
190 00 Prague
Czech Republic |
| issued: | ETA 20/0919 |
| on the basis of: | EAD No. 330079-00-0602 Floor Fixing assemblies for use in checker plate or open bar grating |
| performed: | Element Materials Technology Rotterdam B.V.,
Zekeringstraat 33, 1014 BV, Amsterdam, Netherlands 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
Notified Body No. 2812 |
| under system: | 2+ |
| and issued the Factory Production Control certificate number: | 2812-CPR-1141 |



9. Declared performance

Essential Characteristic	Performance	Harmonised technical specification												
Mechanical Resistance	<table border="1"> <thead> <tr> <th>Product</th> <th>Slip resistance Fs,Rk (4 Fixings) (kN)</th> <th>Tension resistance Ft,Rk (4 fixings) (kN)</th> </tr> </thead> <tbody> <tr> <td>GF08</td> <td>0.43</td> <td>20</td> </tr> <tr> <td>GF10</td> <td>0.5</td> <td>20</td> </tr> <tr> <td>GF210</td> <td>0.5</td> <td>34.4</td> </tr> </tbody> </table>	Product	Slip resistance Fs,Rk (4 Fixings) (kN)	Tension resistance Ft,Rk (4 fixings) (kN)	GF08	0.43	20	GF10	0.5	20	GF210	0.5	34.4	EAD No. 330079-00-0602 ETA – 20/0919 Section 3.1 & Annex 8
Product	Slip resistance Fs,Rk (4 Fixings) (kN)	Tension resistance Ft,Rk (4 fixings) (kN)												
GF08	0.43	20												
GF10	0.5	20												
GF210	0.5	34.4												
Dimensional Stability	The tolerances for dimensions / size are defined in the ETA.	EAD No. 330079-00-0602 ETA – 20/0919 Annex 4												
Reaction to fire	A1 (Steel)	EN 13501-1												
Durability	<table border="1"> <thead> <tr> <th>Corrosivity Class</th> <th>Galvanised Steel</th> <th>Electroplated steel</th> </tr> </thead> <tbody> <tr> <td>C1</td> <td>More than 50 years</td> <td>More than 20 years</td> </tr> <tr> <td>C2</td> <td>More than 50 years</td> <td>More than 5 years</td> </tr> <tr> <td>C3</td> <td>More than 20 years</td> <td>Not suitable</td> </tr> </tbody> </table>	Corrosivity Class	Galvanised Steel	Electroplated steel	C1	More than 50 years	More than 20 years	C2	More than 50 years	More than 5 years	C3	More than 20 years	Not suitable	ISO 9223
Corrosivity Class	Galvanised Steel	Electroplated steel												
C1	More than 50 years	More than 20 years												
C2	More than 50 years	More than 5 years												
C3	More than 20 years	Not suitable												
Product identification	Each product shall be identified by way of a label affixed to each packaging of fastener assemblies as defined in the ETA.	EAD No. 330079-00-0602 ETA 20/0919 Annex 4												

10. The performance of the product identified above is in conformity with the declared performance identified in the point 9.

Signed for on behalf of Lindapter International by:



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Michael Norris Managing Director

Bradford UK, 14th December 2020

Place and date of issue



Declaration of Performance

No. 015

- | | |
|---|---|
| 1. Product type: | Type 1055 |
| 2. Type, batch or serial no.: | FG1055
Batch no. See product packaging |
| 3. Intended use: | An adjustable clamp used to connect steel components. Adjustable to allow for use with multiple profiles of steelwork. |
| 4. Manufacturer: | Lindapter International
Lindsay House,
Brackenbeck Road
Bradford,
West Yorkshire
BD7 2NF |
| 5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): | NA |
| 6. System of assessment and Verification of constancy of performance: | System 2+ |
| 7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: | NA |
| 8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued, technical assessment body: | Technicky a zkusebni ustav stavebni Praha, s.p.
Prosecka 811/76a
190 00 Prague
Czech Republic |
| issued: | ETA 20/0919 |
| on the basis of: | EAD No. 330079-00-0602 Floor Fixing assemblies for use in checker plate or open bar grating |
| performed: | Element Materials Technology Rotterdam B.V.,
Zekeringstraat 33, 1014 BV, Amsterdam, Netherlands 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
Notified Body No. 2812 |
| under system: | 2+ |
| and issued the Factory Production Control certificate number: | 2812-CPR-1141 |



9. Declared performance

Essential Characteristic	Performance	Harmonised technical specification								
Mechanical Resistance	<table border="1"> <thead> <tr> <th>Product</th> <th>Slip resistance Fs,Rk (4 fixings) (kN)</th> <th>Tension resistance Ft,Rk (4 fixings) (kN)</th> </tr> </thead> <tbody> <tr> <td>Type 1055</td> <td>0.8</td> <td>21.2</td> </tr> </tbody> </table>	Product	Slip resistance Fs,Rk (4 fixings) (kN)	Tension resistance Ft,Rk (4 fixings) (kN)	Type 1055	0.8	21.2	EAD No. 330079-00-0602 ETA – 20/0919 Section 3.1 & Annex 8		
Product	Slip resistance Fs,Rk (4 fixings) (kN)	Tension resistance Ft,Rk (4 fixings) (kN)								
Type 1055	0.8	21.2								
Dimensional Stability	The tolerances for dimensions / size are defined in the ETA.	EAD No. 330079-00-0602 ETA – 20/0919 Annex 7								
Reaction to fire	A1 (Steel)	EN 13501-1								
Durability	<table border="1"> <thead> <tr> <th>Corrosivity Class</th> <th>Stainless Steel</th> </tr> </thead> <tbody> <tr> <td>C1</td> <td>More than 50 years</td> </tr> <tr> <td>C2</td> <td>More than 50 years</td> </tr> <tr> <td>C3</td> <td>More than 50 years</td> </tr> </tbody> </table>	Corrosivity Class	Stainless Steel	C1	More than 50 years	C2	More than 50 years	C3	More than 50 years	ISO 9223
Corrosivity Class	Stainless Steel									
C1	More than 50 years									
C2	More than 50 years									
C3	More than 50 years									
Product identification	Each product shall be identified by way of a label affixed to each packaging of fastener assemblies as defined in the ETA.	EAD No. 330079-00-0602 ETA – 20/0919 Annex 7								

10. The performance of the product identified above is in conformity with the declared performance identified in the point 9.

Signed for on behalf of Lindapter International by:



Michael Norris Managing Director

Bradford UK, 14th December 2020

Place and date of issue



Declaration of Performance

No. 023

- | | |
|---|--|
| 1. Product type: | Type COM |
| 2. Type, batch or serial no: | COM10
Batch no. See product packaging |
| 3. Intended use: | A fixing that fits inside the dovetail shaped re-entrant channel of composite decking to provide a secure point from which building services can be suspended. |
| 4. Manufacturer: | Lindapter International
Lindsay House,
Brackenbeck Road
Bradford,
West Yorkshire
BD7 2NF |
| 5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): | NA |
| 6. System of assessment and Verification of constancy of performance: | System 3 |
| 7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: | NA |
| 8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued, technical assessment body: | Technicky a zkusebni ustav stavebni Praha, s.p.
Prosecka 811/76a
190 00 Prague
Czech Republic |
| issued: | ETA 20/0920 |
| on the basis of: | EAD No. 331924-00-06.02 |
| performed: | Type testing based on sampling carried out by the manufacturer. Test Report No. HL 2479. |
| under system: | 3 |



9. Declared performance

Essential Characteristic	Performance			Harmonised technical specification
Mechanical Resistance	Product	Characteristic Value of Tension Resistance per fixing		EAD No. 331924-00-0602 ETA – 20/0920 Section 3.1 & Annex 9
	COM10	Ft,Rk (kN) 2.15		
Reaction to fire	A1 (Steel)			EN 13501-1
Durability	Corrosivity Class	Galvanized Steel	Electro-plated Steel	ISO 9223
	C1	more than 50 years	more than 20 years	
	C2	more than 50 years	more than 5 years	
	C3	more than 20 years	Not suitable	

*The characteristic resistances are valid for the decking fixing only. Please refer to the relevant composite decking manufacturer for acceptable loads from services.

10. The performance of the product identified above is in conformity with the declared performance identified in the point 9.

Signed for on behalf of Lindapter International by:

Michael Norris Managing Director

Bradford UK, 9th December 2020

Place and date of issue



Declaration of Performance

No. 020

- | | |
|---|--|
| 1. Product type: | Type TR60 |
| 2. Type, batch or serial no: | TR6006/TR6008/TR6010
Batch no. See product packaging |
| 3. Intended use: | A fixing that fits inside the dovetail shaped re-entrant channel of composite decking to provide a secure point from which building services can be suspended. |
| 4. Manufacturer: | Lindapter International
Lindsay House,
Brackenbeck Road
Bradford,
West Yorkshire
BD7 2NF |
| 5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): | NA |
| 6. System of assessment and Verification of constancy of performance: | System 3 |
| 7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: | NA |
| 8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued, technical assessment body: | Technicky a zkusebni ustav stavebni Praha, s.p.
Prosecka 811/76a
190 00 Prague
Czech Republic |
| issued: | ETA 20/0920 |
| on the basis of: | EAD No. 331924-00-06.02 |
| performed: | Type testing based on sampling carried out by the manufacturer. Test Report No. HL 2453. |
| under system: | 3 |



9. Declared performance

Essential Characteristic	Performance			Harmonised technical specification
Mechanical Resistance	Product	Characteristic Value of Tension Resistance per fixing Ft,Rk (kN)		EAD No. 331924-00-0602 ETA – 20/0920 Section 3.1 & Annex 9
	TR6006	1.875		
	TR6008	1.875		
	TR6010	1.875		
Reaction to fire	A1 (Steel)			EN 13501-1
Durability	Corrosivity Class	Galvanized Steel	Electro-plated Steel	ISO 9223
	C1	more than 50 years	more than 20 years	
	C2	more than 50 years	more than 5 years	
	C3	more than 20 years	Not suitable	

*The characteristic resistances are valid for the decking fixing only. Please refer to the relevant composite decking manufacturer for acceptable loads from services.

10. The performance of the product identified above is in conformity with the declared performance identified in the point 9.

Signed for on behalf of Lindapter International by:

Michael Norris Managing Director

Bradford UK, 9th December 2020

Place and date of issue



Declaration of Performance

No. 017

- | | |
|---|--|
| 1. Product type: | Type MF MetFloor |
| 2. Type, batch or serial no: | MF06/MF08/MF10
Batch no. See product packaging |
| 3. Intended use: | A fixing that fits inside the dovetail shaped re-entrant channel of composite decking to provide a secure point from which building services can be suspended. |
| 4. Manufacturer: | Lindapter International
Lindsay House,
Brackenbeck Road
Bradford,
West Yorkshire
BD7 2NF |
| 5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): | NA |
| 6. System of assessment and Verification of constancy of performance: | System 3 |
| 7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: | NA |
| 8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued, technical assessment body: | Technicky a zkusebni ustav stavebni Praha, s.p.
Prosecka 811/76a
190 00 Prague
Czech Republic |
| issued: | ETA 20/0920 |
| on the basis of: | EAD No. 331924-00-06.02 |
| performed: | Type testing based on sampling carried out by the manufacturer. Test Report No. HL 2453 |
| under system: | 3 |



9. Declared performance

Essential Characteristic	Performance			Harmonised technical specification
Mechanical Resistance	Product	Characteristic Value of Tension Resistance per fixing Ft,Rk (kN)		EAD No. 331924-00-0602 ETA – 20/0920 Section 3.1 & Annex 9
	MF06	2.75		
	MF08	2.75		
	MF10	2.75		
Reaction to fire	A1 (Steel)			EN 13501-1
Durability	Corrosivity Class	Galvanized Steel	Electro-plated Steel	ISO 9223
	C1	more than 50 years	more than 20 years	
	C2	more than 50 years	more than 5 years	
	C3	more than 20 years	Not suitable	

*The characteristic resistances are valid for the decking fixing only. Please refer to the relevant composite decking manufacturer for acceptable loads from services.

10. The performance of the product identified above is in conformity with the declared performance identified in the point 9.

Signed for on behalf of Lindapter International by:



Michael Norris Managing Director

Bradford UK, 9th December 2020

Place and date of issue



Declaration of Performance

No. 019

- | | |
|---|--|
| 1. Product type: | Type MW2 Multiwedge 2 |
| 2. Type, batch or serial no: | MW06/MW08/MW10
Batch no. See product packaging |
| 3. Intended use: | A fixing that fits inside the dovetail shaped re-entrant channel of composite decking to provide a secure point from which building services can be suspended. |
| 4. Manufacturer: | Lindapter International
Lindsay House,
Brackenbeck Road
Bradford,
West Yorkshire
BD7 2NF |
| 5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): | NA |
| 6. System of assessment and Verification of constancy of performance: | System 3 |
| 7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: | NA |
| 8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued, technical assessment body: | Technicky a zkusebni ustav stavebni Praha, s.p.
Prosecka 811/76a
190 00 Prague
Czech Republic |
| issued: | ETA 20/0920 |
| on the basis of: | EAD No. 331924-00-06.02 |
| performed: | Type testing based on sampling carried out by the manufacturer. Test Report No. HL 2453. |
| under system: | 3 |



9. Declared performance

Essential Characteristic	Performance			Harmonised technical specification
Mechanical Resistance	Product	Characteristic Value of Tension Resistance per fixing Ft,Rk (kN)		EAD No. 331924-00-0602 ETA – 20/0920 Section 3.1 & Annex 9
	MW06	2.75		
	MW08	2.75		
	MW10	2.75		
Reaction to fire	A1 (Steel)			EN 13501-1
Durability	Corrosivity Class	Galvanized Steel	Electro-plated Steel	ISO 9223
	C1	more than 50 years	more than 20 years	
	C2	more than 50 years	more than 5 years	
	C3	more than 20 years	Not suitable	

*The characteristic resistances are valid for the decking fixing only. Please refer to the relevant composite decking manufacturer for acceptable loads from services.

10. The performance of the product identified above is in conformity with the declared performance identified in the point 9.

Signed for on behalf of Lindapter International by:


Michael Norris Managing Partner

Bradford UK, 9th December 2020

Place and date of issue



Declaration of Performance

No. 016

- | | |
|---|--|
| 1. Product type: | Type AW Alphawedge |
| 2. Type, batch or serial no: | AW06/AW08/AW10
Batch no. See product packaging |
| 3. Intended use: | A fixing that fits inside the dovetail shaped re-entrant channel of composite decking to provide a secure point from which building services can be suspended. |
| 4. Manufacturer: | Lindapter International
Lindsay House,
Brackenbeck Road
Bradford,
West Yorkshire
BD7 2NF |
| 5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): | NA |
| 6. System of assessment and Verification of constancy of performance: | System 3 |
| 7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: | NA |
| 8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued, technical assessment body: | Technicky a zkusebni ustav stavebni Praha, s.p.
Prosecka 811/76a
190 00 Prague
Czech Republic |
| issued: | ETA 20/0920 |
| on the basis of: | EAD No. 331924-00-06.02 |
| performed: | Type testing based on sampling carried out by the manufacturer. Test Report No. HL 2453 |
| under system: | 3 |



9. Declared performance

Essential Characteristic	Performance			Harmonised technical specification
Mechanical Resistance	Product	Characteristic Value of Tension Resistance per fixing		EAD No. 331924-00-0602 ETA – 20/0920 Section 3.1 & Annex 9
		Ft,Rk (kN)		
	AW06	1.875		
	AW08	1.875		
	AW10	1.875		
Reaction to fire	A1 (Steel)			EN 13501-1
Durability	Corrosivity Class	Galvanized Steel	Electro-plated Steel	ISO 9223
	C1	more than 50 years	more than 20 years	
	C2	more than 50 years	more than 5 years	
	C3	more than 20 years	Not suitable	

*The characteristic resistances are valid for the decking fixing only. Please refer to the relevant composite decking manufacturer for acceptable loads from services.

10. The performance of the product identified above is in conformity with the declared performance identified in the point 9.

Signed for on behalf of Lindapter International by:


Michael Norris Managing Director

Bradford UK, 9th December 2020

Place and date of issue



Declaration of Performance

No. 018

- | | |
|---|--|
| 1. Product type: | Type AMD |
| 2. Type, batch or serial no: | AMD06/AMD08/AMD10
Batch no. See product packaging |
| 3. Intended use: | A fixing that fits inside the dovetail shaped re-entrant channel of composite decking to provide a secure point from which building services can be suspended. |
| 4. Manufacturer: | Lindapter International
Lindsay House,
Brackenbeck Road
Bradford,
West Yorkshire
BD7 2NF |
| 5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): | NA |
| 6. System of assessment and Verification of constancy of performance: | System 3 |
| 7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: | NA |
| 8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued, technical assessment body: | Technicky a zkusebni ustav stavebni Praha, s.p.
Prosecka 811/76a
190 00 Prague
Czech Republic |
| issued: | ETA 20/0920 |
| on the basis of: | EAD No. 331924-00-06.02 |
| performed: | Type testing based on sampling carried out by the manufacturer. Test Report No. HL 2453. |
| under system: | 3 |



9. Declared performance

Essential Characteristic	Performance			Harmonised technical specification
Mechanical Resistance	Product	Characteristic Value of Tension Resistance per fixing Ft,Rk (kN)		EAD No. 331924-00-0602 ETA – 20/0920 Section 3.1 & Annex 9
	AMD06	1.875		
	AMD08	1.875		
	AMD10	1.875		
Reaction to fire	A1 (Steel)			EN 13501-1
Durability	Corrosivity Class	Galvanized Steel	Electro-plated Steel	ISO 9223
	C1	more than 50 years	more than 20 years	
	C2	more than 50 years	more than 5 years	
	C3	more than 20 years	Not suitable	

*The characteristic resistances are valid for the decking fixing only. Please refer to the relevant composite decking manufacturer for acceptable loads from services.

10. The performance of the product identified above is in conformity with the declared performance identified in the point 9.

Signed for on behalf of Lindapter International by:


Michael Norris Managing Director

Bradford UK, 9th December 2020

Place and date of issue



Declaration of Performance

No. 021

- | | |
|---|--|
| 1. Product type: | Type SD2 Slimdek 2 |
| 2. Type, batch or serial no: | SD210
Batch no. See product packaging |
| 3. Intended use: | A fixing that fits inside the dovetail shaped re-entrant channel of composite decking to provide a secure point from which building services can be suspended. |
| 4. Manufacturer: | Lindapter International
Lindsay House,
Brackenbeck Road
Bradford,
West Yorkshire
BD7 2NF |
| 5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): | NA |
| 6. System of assessment and Verification of constancy of performance: | System 3 |
| 7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: | NA |
| 8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued, technical assessment body: | Technicky a zkusebni ustav stavebni Praha, s.p.
Prosecka 811/76a
190 00 Prague
Czech Republic |
| issued: | ETA 20/0920 |
| on the basis of: | EAD No. 331924-00-06.02 |
| performed: | Type testing based on sampling carried out by the manufacturer. Test Report No. HL 2453. |
| under system: | 3 |



9. Declared performance

Essential Characteristic	Performance			Harmonised technical specification												
Mechanical Resistance	Product	Characteristic Value of Tension Resistance per fixing		EAD No. 331924-00-0602 ETA – 20/0920 Section 3.1 & Annex 9												
	SD210	Ft,Rk (kN) 1.875														
Reaction to fire	A1 (Steel)			EN 13501-1												
Durability	<table border="1"> <thead> <tr> <th>Corrosivity Class</th> <th>Galvanized Steel</th> <th>Electro-plated Steel</th> </tr> </thead> <tbody> <tr> <td>C1</td> <td>more than 50 years</td> <td>more than 20 years</td> </tr> <tr> <td>C2</td> <td>more than 50 years</td> <td>more than 5 years</td> </tr> <tr> <td>C3</td> <td>more than 20 years</td> <td>Not suitable</td> </tr> </tbody> </table>			Corrosivity Class	Galvanized Steel	Electro-plated Steel	C1	more than 50 years	more than 20 years	C2	more than 50 years	more than 5 years	C3	more than 20 years	Not suitable	ISO 9223
	Corrosivity Class	Galvanized Steel	Electro-plated Steel													
	C1	more than 50 years	more than 20 years													
	C2	more than 50 years	more than 5 years													
C3	more than 20 years	Not suitable														

*The characteristic resistances are valid for the decking fixing only. Please refer to the relevant composite decking manufacturer for acceptable loads from services.

10. The performance of the product identified above is in conformity with the declared performance identified in the point 9.

Signed for on behalf of Lindapter International by:

Michael Norris Managing Director

Bradford UK, 9th December 2020

Place and date of issue



Declaration of Performance

No. 022

- | | |
|---|--|
| 1. Product type: | Type VN |
| 2. Type, batch or serial no: | VN10
Batch no. See product packaging |
| 3. Intended use: | A fixing that fits inside the re-entrant channel of composite decking to provide a secure point from which building services can be suspended. |
| 4. Manufacturer: | Lindapter International
Lindsay House,
Brackenbeck Road
Bradford,
West Yorkshire
BD7 2NF |
| 5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): | NA |
| 6. System of assessment and Verification of constancy of performance: | System 3 |
| 7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: | NA |
| 8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued, technical assessment body: | Technicky a zkusebni ustav stavebni Praha, s.p.
Prosecka 811/76a
190 00 Prague
Czech Republic |
| issued: | ETA 20/0920 |
| on the basis of: | EAD No. 331924-00-06.02 |
| performed: | Type testing based on sampling carried out by the manufacturer. Test Report No. HL 2453. |
| under system: | 3 |



9. Declared performance

Essential Characteristic	Performance		Harmonised technical specification	
Mechanical Resistance	Product	Characteristic Value of Tension Resistance per fixing Ft,Rk (kN)	EAD No. 331924-00-0602 ETA – 20/0920 Section 3.1 & Annex 9	
	VN10	3.50		
Reaction to fire	A1 (Steel)		EN 13501-1	
Durability	Corrosivity Class	Galvanized Steel	ISO 9223	
	C1	more than 50 years		more than 20 years
	C2	more than 50 years		more than 5 years
	C3	more than 20 years		Not suitable

*The characteristic resistances are valid for the decking fixing only. Please refer to the relevant composite decking manufacturer for acceptable loads from services.

10. The performance of the product identified above is in conformity with the declared performance identified in the point 9.

Signed for on behalf of Lindapter International by:

Michael Norris Managing Director

Bradford UK, 9th December 2020

Place and date of issue



Declaration of Performance

No. 024

- | | |
|---|--|
| 1. Product type: | Type SM |
| 2. Type, batch or serial no: | SM10
Batch no. See product packaging |
| 3. Intended use: | A fixing that fits inside the dovetail shaped re-entrant channel of composite decking to provide a secure point from which building services can be suspended. |
| 4. Manufacturer: | Lindapter International
Lindsay House,
Brackenbeck Road
Bradford,
West Yorkshire
BD7 2NF |
| 5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): | NA |
| 6. System of assessment and Verification of constancy of performance: | System 3 |
| 7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: | NA |
| 8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued, technical assessment body: | Technicky a zkusebni ustav stavebni Praha, s.p.
Prosecka 811/76a
190 00 Prague
Czech Republic |
| issued: | ETA 20/0920 |
| on the basis of: | EAD No. 331924-00-06.02 |
| performed: | Type testing based on sampling carried out by the manufacturer. Test Report No. HL 2531. |
| under system: | 3 |



9. Declared performance

Essential Characteristic	Performance			Harmonised technical specification												
Mechanical Resistance	Product	Characteristic Value of Tension Resistance per fixing		EAD No: 331924-00-0602 ETA – 20/0920 Section 3.1 & Annex 10												
	SM10	Ft,Rk (kN) 1.875														
Reaction to fire	A1 (Steel)			EN 13501-1												
Durability	<table border="1"> <thead> <tr> <th>Corrosivity Class</th> <th>Galvanized Steel</th> <th>Electro-plated Steel</th> </tr> </thead> <tbody> <tr> <td>C1</td> <td>more than 50 years</td> <td>more than 20 years</td> </tr> <tr> <td>C2</td> <td>more than 50 years</td> <td>more than 5 years</td> </tr> <tr> <td>C3</td> <td>more than 20 years</td> <td>Not suitable</td> </tr> </tbody> </table>			Corrosivity Class	Galvanized Steel	Electro-plated Steel	C1	more than 50 years	more than 20 years	C2	more than 50 years	more than 5 years	C3	more than 20 years	Not suitable	ISO 9223
	Corrosivity Class	Galvanized Steel	Electro-plated Steel													
	C1	more than 50 years	more than 20 years													
	C2	more than 50 years	more than 5 years													
C3	more than 20 years	Not suitable														

*The characteristic resistances are valid for the decking fixing only. Please refer to the relevant composite decking manufacturer for acceptable loads from services.

10. The performance of the product identified above is in conformity with the declared performance identified in the point 9.

Signed for on behalf of Lindapter International by:

Michael Norris Managing Director

Bradford UK, 17 April 2023

Place and date of issue



Lindsay House
Brackenbeck Road
Bradford
West Yorkshire
BD7 2NF
United Kingdom

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F: +44 (0) 1274 521130
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support@Lindapter.com

www.Lindapter.com

Disclaimer

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