

## lindapter®

# **Declarations of Performance (DoP)**For use when designing connections to Eurocode 3 only

November 2022



# lindapter offers Engineers an extensive range of options for designing (£ 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  $\gamma$ M2. The partial factor is a nationally determined parameter, for example,  $\gamma$ M2 = 1.25 for the UK).



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### 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):

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:

and issued the Factory **Production Control certificate** 

2812-CPR-1140



Essential Characteristic			Perfo	rmance			Harmonised technical specification
Mechanical Resistance	Character	EAD No. 330080-00- 0602					
	Product	Bolt property class	/ Re	ension sistance 4 bolts) R <sub>K</sub> (kN)	Res	Slip sistance bolts) R <sub>K</sub> (kN)	ETA – 20/0918 Section 3.1 and Annex 14
	M10	8.8		11.3		-	
	M12	8.8		34.1		3.4	
	M16	8.8		63.6		6.4	
	M20	8.8		99.2		9.9	
	M24	8.8		142.9		14.3	-
	Partial factor γFf = 1.0	safety ors: and γMf		llowable m	aximum for sion (k=0)	rces M24	
	cyc		kN	kN	kN	kN	
		1 x 10 <sup>4</sup>	27.281)	50.881)	79.361)	114.321)	
	1 x 10 <sup>4</sup>	2 x 10 <sup>4</sup>	24.65	45.91	71.64	103.22	
	2 x 10 <sup>4</sup>	6 x 10 <sup>4</sup>	17.09	31.83	49.67	71.57	
	6 x 10 <sup>4</sup>	2 x 10 <sup>5</sup>	11.44	21.31	33.25	47.91	
	2 x 10 <sup>5</sup>	6 x 10 <sup>5</sup>	7.93	14.78	23.06	33.22	
	6 x 10 <sup>5</sup>	2 x 10 <sup>6</sup>	5.31	9.89	15.44	22.24	
	2 x 10 <sup>6</sup>	5 x 10 <sup>6</sup>	3.91	7.29	11.37	16.39	
	5 x 10 <sup>6</sup>	1 x 10 <sup>7</sup>	3.41	6.34	9.90	14.26	
	1 x 10 <sup>7</sup>	2 x 10 <sup>7</sup>	2.97	5.52	8.62	12.42	
	Greater than	1 x 10 <sup>8</sup>	2.15	4.00	6.25	9.00	
	1) Des						
	Partial factor γFf = 1.0 = 1	ors: and γMf .0		For tensi	aximum fo	)	
	Number cyclifrom		M12 kN	M16 kN	M20 kN	M24 kN	
		1 x 10 <sup>4</sup>	27.281)	50.881)	79.36 <sup>1)</sup>	114.321)	
	1 x 10 <sup>4</sup>	2 x 10 <sup>4</sup>	12.33	22.95	35.82	51.61	
	2 x 10 <sup>4</sup>	6 x 10 <sup>4</sup>	8.55	15.92	24.84	35.79	
	6 x 10 <sup>4</sup>	2 x 10 <sup>5</sup>	5.72	10.65	16.63	23.96	
	2 x 10 <sup>5</sup>	6 x 10 <sup>5</sup>	3.97	7.39	11.53	16.61	
	6 x 10 <sup>5</sup>	2 x 10 <sup>6</sup>	2.66	4.95	7.72	11.12	
	2 x 10 <sup>6</sup>	5 x 10 <sup>6</sup>	1.96	3.64	5.69	8.19	
	5 x 10 <sup>6</sup>	1 x 10 <sup>7</sup>	1.70	3.17	4.95	7.13	
			1.48	2.76	4.31	6.21	
	1 x 10 <sup>7</sup>	2 X 10'	1.40	2.70	4.31		
	1 x 10 <sup>7</sup> Greater than	2 x 10 <sup>7</sup> 1 x 10 <sup>8</sup>	1.07	2.00	3.12	4.50	



Dimensional Stability	The tolerand	The tolerances for dimensions / size are defined in the ETA.					
Reaction to fire	A1 (Steel)					EN 13501-1	
Durability		Corrosivity Class C1 C2	Galvanised Steel  More than 50 years  More than 50 years  More than 20 years	Electro - plated steel More than 20 years More than 5 years Not suitable		ISO 9223	
Product identification			ntified by way er assemblies			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, 14<sup>th</sup> December 2020

Place and date of issue Michael Norris Managing Director



### CE

### Declaration of Performance

No. 005

1. Product type:

Type AAF

Type, batch or serial no.:

AAF12/AAF16/AAF20

Batch no. See product packaging

Intended use:

A High Slip Resistance clamp used to clamp together steel

components.

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

under system:

2+

and issued the Factory **Production Control certificate**  2812-CPR-1140

Essential Characteristic			Performa	ince		Harmonised technical specification
Mechanical Resistance	Product	Bolt		esistance	Tension	EAD No. 330080-00-
		property class	Painted*	4 bolts) (kN) Galvanised	resistance Ft,Rk (4 bolts) (kN)	0602 ETA – 20/0918 Section 3.1
	AAF12	8.8	12	14	136	Annex 9 & 10
	AAF16	8.8	25	30	214	11
	AAF20	8.8	50	60	460	]
	AAF12	10.9	16	20	160	
	AAF16	10.9	42	44	284	1
	AAF20	10.9	75	90	520	11
		maximum		tension (k=0) r dynamic load	ding	
	Number	of cycles	per	sistances F <sub>t,Re</sub> 4 bolt connec	tion	
	Number	oi cycles		operty class 8		
	from	up to	AAF12 (kN)	AAF16 (kN)	AAF20 (kN)	
		1 x 10 <sup>4</sup>	108.00	171.00	368.00	
	1 x 10 <sup>4</sup>	2 x 10 <sup>4</sup>	78.26	145.75	227.44	
	2 x 10 <sup>4</sup>	6 x 10 <sup>4</sup>	54.26	101.05	157.69	
	6 x 10 <sup>4</sup>	2 x 10 <sup>5</sup>	36.32	67.65	105.57	
	2 x 10 <sup>5</sup>	6 x 10 <sup>5</sup>	25.19	46.91	73.20	
	6 x 10 <sup>5</sup>	2 x 10 <sup>6</sup>	16.86	31.40	49.00	
	2 x 10 <sup>6</sup>	5 x 10 <sup>8</sup>	14.43	23.14	36.11	
	5 x 10 <sup>6</sup>	1 x 10 <sup>7</sup>	10.81	20.13	31.42	
	1 x 10 <sup>7</sup>	1 x 10 <sup>8</sup>	9.41	17.53	27.35	
	Greater than	1 x 10 <sup>8</sup>	6.82	12.70	19.83	
mensional ability	The tolerar	nces for dim	ensions / si	ze are defined	in the ETA.	EAD No. 330080-00- 0602 ETA – 20/0918 Annex 6
eaction to fire	A1 (Steel)					EN 13501-1
urability	Corrosivi	1 1	Galvanis More than 50 More than 50	-		ISO 9223
	C		More than 2			



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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 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, 1st March 2022

Michael Norris Managing Director

Place and date of issue



### Declaration of Performance

No. 004

1. Product type:

Type AF

Type, batch or serial no.:

AF12/AF16/AF20/AF24

Batch no. See product packaging

Intended use:

A High Slip Resistance clamp used to clamp together steel

components.

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):

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**  2812-CPR-1140



Essential Characteristic			Perfo	rmance			Harmonised technical specification
Mechanical Resistance	Product	Bolt property class		lip resista Rk (4 bolt ed* Ga		Tension resistance Ft,Rk (4 bolts) (kN)	EAD No. 330080-00- 0602 ETA – 20/0918 Section 3.1
	AF12	8.8	12		14	136	Annex 9 & 10
	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	
	Allowable maximum forces for tension (k=0)  Design resistance in tension for dynamic loading  Design resistances F <sub>t,Rd</sub> (tension)  Number of per 4 bolt connection						
	Cyc		· .		ty class 8		
	","		AF12	AF16	AF20	AF24	
	from	up to	(kN)	(kN)	(kN)	(kN)	
		1 x 10 <sup>4</sup>	108.00	171.00	368.00	560.00	
	1 x 10 <sup>4</sup>	2 x 10 <sup>4</sup>	78.26	145.75		327.70	
	2 x 10 <sup>4</sup>	6 x 10 <sup>4</sup>	54.26	101.05		227.20	
			-		1		
	6 x 10 <sup>4</sup>	2 x 10 <sup>5</sup>	36.32	67.65	105.57	152.10	
	2 x 10 <sup>5</sup>	6 x 10 <sup>5</sup>	25.19	46.91	73.20	105.46	
	6 x 10 <sup>5</sup>	2 x 10 <sup>6</sup>	16.86	31.40	49.00	70.60	
	2 x 10 <sup>6</sup>	5 x 10 <sup>6</sup>	14.43	23.14	36.11	52.03	
	5 x 10 <sup>8</sup>	1 x 10 <sup>7</sup>	10.81	20.13	31.42	45.27	
	1 x 10 <sup>7</sup>	1 x 10 <sup>8</sup>	9.41	17.53	27.35	39.41	
	Greater than	1 x 10 <sup>8</sup>	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				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 each packaging of fa	oe identified by way of a la astener assemblies as def	bel affixed to ined 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:

Bradford UK, 1st March 2022

Michael Norris Managing Director Place and date of issue



### $\epsilon$

### **Declaration of Performance**

No. 011

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

System of assessment and Verification of constancy of performance:

System 2+

 In case of the declaration of performance concerning a construction product covered by a harmonised standard: NΑ

In case of the declaration of performance concerning a construction product for which a European Technical

Prosecka 811/76a 190 00 Prague Czech Republic

a European Technical Assessment has been issued, technical assessment body:

issued:

ETA 20/0921

on the basis of:

EAD No. 330155-00-0602 Self Adjustable Clamp

Technicky a zkusebni ustav stavebni Praha, s.p.

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

Essential Characteristic		Harmonised technical specification						
Mechanical Resistance	CF12/212 CF16/216 CF20/220	Bolt property class	Slip resistance Fs,Rk (4 bolts) (kN)	Tension resistance Ft,Rk (4 bolts) (kN) 136 214 460	EAD No. 330155-00- 0602 ETA – 20/0921 Section 3.1 & Annex 27			
Dimensional Stability	The tolerance	The tolerances for dimensions / size are defined in the ETA.						
Reaction to fire	A1 (Steel)				EN 13501-1			
Durability		Corros Clas C1 C2	More than 50 years More than 50 years		ISO 9223			
Product identification			ntified by way of a l r assemblies as de		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:

Bradford UK, 14th December 2020

Michael Norris Managing Director Place and date of issue



### $C \in$

### 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**  2812-CPR-1142

Essential Characteristic			Performance		Harmonised technical specification		
Mechanical Resistance	Product  LR10 LR12 LR16	Bolt property class	Slip resistance Fs,Rk (4 bolts) (kN)	Tension resistance Ft,Rk (4 bolts) (kN) 11.5 34 63.5	EAD No. 330155-00- 0602 ETA - 20/0921 Section 3.1 & Annex 26		
	LR20 LR24	8.8 8.8	10 14.5	99 143			
Dimensional Stability	The toleran	ces for dim	ensions / size are d	efined in the ETA.	EAD No. 330155-00- 0602 ETA – 20/0921 Annex 3		
Reaction to fire	A1 (Steel)				EN 13501-1		
Durability	Corrosivity Class C1 C2	Corrosivity Galvanised Electro - plated steel  C1 More than 50 years 20 years  C2 More than 50 years 5 years  C3 More than 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.					

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

Place and date of issue Michael Norris Managing Director



### CE

### 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

 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+

 In case of the declaration of performance concerning a construction product covered by a harmonised standard: NΑ

 In case of the declaration of performance concerning a construction product for which

a European Technical Assessment has been issued, technical assessment body:

nich 190 00 Prague Czech Republic ed,

issued:

ETA 20/0921

Prosecka 811/76a

on the basis of:

EAD No. 330155-00-0602 Self Adjustable Clamp

Technicky a zkusebni ustav stavebni Praha, s.p.

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 2812-CPR-1142



Essential Characteristic		Performance					
Mechanical Resistance	Product  D210 D212	Bolt property class	Slip resistance Fs,Rk (4 bolts) (kN)		on resistance Rk (4 bolts) (kN)	EAD No. 330155-00- 0602 ETA – 20/0921 Section 3.1 & Annex 26	
	D216 D220	8.8 8.8	6.5 10		63.5 99		
Dimensional Stability	The tolerand	The tolerances for dimensions / size are defined in the ETA.					
Reaction to fire	A1 (Steel)					EN 13501-1	
Durability	Corrosivity Class C1 C2	Galvanise Steel More tha 50 years More tha 50 years More tha 20 years	n More than 20 years n More than 5 years	ted		ISO 9223	
Product identification			dentified by way o ener assemblies a			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:

Bradford UK, 14th December 2020

Michael Norris Managing Director

Place and date of issue



### $C \in$

### 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

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

2812-CPR-1142

under system:

2+

and issued the Factory **Production Control certificate** 

Essential Characteristic		Performance					
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		
	LS10	A4-70	4	40	and Annex 26		
	LS12	A4-70	8	80			
	LS16 LS20	A4-70 A4-70	12	160 220			
Stability					330155-00- 0602 ETA – 20/0921 Annex 9		
Reaction to fire	A1 (Steel)				EN 13501-1		
Durability	Corrosivity Class C1 C2 C3	Corrosivity Stainless Class Steel C1 More than 50 years C2 More than 50 years					
Product identification			dentified by way of ener assemblies as	a label affixed to s 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:

Bradford UK, 14th December 2020

Michael Norris Managing Director Place and date of issue



### CE

### 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

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:

NA

System 2+

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

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

Essential Characteristic		Performance					
Mechanical Resistance	Product Bolt Slip resistance Tension resistance class (kN) Ft,Rk (4 bolts) (kN)				EAD No. 330155-00- 0602 ETA - 20/0921 Section 3.1 &		
	F910	8.8	1.5	10	Annex 27		
	F912	8.8	3	24			
	F916	8.8	6	45			
	F920	8.8	9	75			
	F924	8.8	13	100			
Stability				,	330155-00- 0602 ETA – 20/0921 Annex 15		
Reaction to fire	A1 (Steel)				EN 13501-1		
Durability				, .	ISO 9223		
	Corrosivity Class	Galvanis Steel	ed Electroplated steel				
	C1	More tha					
	C2	More tha 50 years	iii iiioi o tiioiii				
	C3	More that 20 years	n Not suitable				
Product identification			dentified by way of ener assemblies as	a label affixed to 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:

Bradford UK, 14<sup>th</sup> December 2020

Michael Norris Managing Director Place and date of issue



### $\epsilon$

#### Declaration of Performance

No. 012

1. Product type:

Type FC

2. Type, batch or serial no .:

FC16

Batch no. See product packaging

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** 

2812-CPR-1142



Essential Characteristic		Performance					
Mechanical Resistance		Bolt property class	Slip resistar Fs,Rk (4 bol (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	7 11 11 10 11 21	
Dimensional Stability	The tolerand	es for dim	ensions / size a	are d	efined in the ETA.	EAD No. 330155-00- 0602 ETA – 20/0921 Annex 21	
Reaction to fire	A1 (Steel)					EN 13501-1	
Durability	Corrosivity Class C1 C2	orrosivity Class Electroplated steel with JS500  C1 More than 50 years  C2 More than 20 years					
Product identification					a label affixed to defined in the ETA.	EAD No. 330155-00- 0602 ETA – 20/092 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:

Bradford UK, 14th December 2020

Place and date of issue Michael Norris Managing Director





### **Declaration of Performance**

No. 001

1. Product type:

Hollo-Bolt®

Type, batch or serial no.:

ETA 20/0917

Batch no. See product packaging

Intended use:

An expanding structural bolting assembly for use in blind

fastening to steelwork

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

Essential Characteristic	Performance					Harmonised technical specification
Mechanical Resistance	Nominal size	Tension resistance $F_{\rm t,Rk}$ (kN)	She resista F <sub>v,Rk</sub> (	ance str kN) s	laterial ength of sleeve N/mm²)	EAD No. 330001-00- 0602 ETA – 20/0917 Section 3.1 and Annexes
	M08 M10 M12 M16 M20 M08 M10 M12 M16 M20	23.1 39.6 45.8 84.3 124.0	arbon Steel 32. 54. 71. 139 211 tinless Stee 30. 51. 65. 128	2 0 .0 .0 1 7 0 0	430 430 430 430 390 500 500 500 500 500	
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	Corrosivity Class C1 C2	Galvanised Steel  More than 50 years  More than 50 years  More than 20 years	Zinc Plated + JS500 More than 50 years More than 20 years More than 10 years	More than 50 years  More than 50 years  More than 20 years	Stainless Steel  More than 50 years  More than 50 years  More than 50 years  More than 50 years	ISO 9223
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:

Bradford UK, 16th November 2022

Michael Norris Managing Director

Place and date of issue



### $C \in$

### **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

 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): NA

System of assessment and Verification of constancy of performance: System 2+

 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

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 2812-CPR-0218



Essential Characteristic		Performance				Harmonised technical specification
Mechanical Resistance	Nominal size	Tension resistance F <sub>t,Rk</sub> (kN)	ce resistance		Material strength of sleeve (N/mm²)	EAD No. 330001-00- 0602 ETA – 20/0916 Section 3.1 and Annexes
	M10 M12 M16 M20 M24	12.0 17.7 34.5 54.5 79.1	14 21 40 64 93	.4 .6 .1	380 380 380 380 380	
	M10 M12 M16 M20 M24	15.8 23.2 45.4 71.7 104.1	13 19 38 60 87	.9 .0 .1	500 500 500 500 500	
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 C1 . C2 C3	Electro - plated steel  More than 20 years  More than 50 years  More than 50 years  Not suitable  More than 50 years			ISO 9223	
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:

Bradford UK, 14th December 2020

Michael Norris Managing Director Place and date of issue



### $C \in$

### Declaration of Performance

No. 013

1. Product type:

Floorfast

2. Type, batch or serial no .:

FF08/FF10/FF12

Batch no. See product packaging

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:

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

NA

System 2+

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** 

2812-CPR-1141



Essential Characteristic	Performance					Harmonised technical specification	
Mechanical Resistance	Product			Tension resistance Ft,Rk (4 fixings) (kN)		EAD No. 330079-00- 0602 ETA - 20/0919	
	FF08	2.8		25.4	Section 3.1 &		
	FF10	4.1		35.6		Annex 8	
	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		ISO 9223					
42 comic (4 50 <b>4</b> 5 c)	Corrosivity Class	Galvanised Steel	Electrop stee		Stainless Steel	TO SECURE SECURITION OF THE SE	
	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 suita	able	More than 50 years		
Product identification					label affixed to 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:

Bradford UK, 14th December 2020

Michael Norris Managing Director Place and date of issue



### CE

### Declaration of Performance

No. 014

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

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**  2812-CPR-1141



Essential Characteristic		Harmonised technical specification		
Mechanical Resistance	Product	EAD No. 330079-00- 0602 ETA – 20/0919		
	GF08	(kN) 0.43	(kN) 20	Section 3.1 &
	GF10	0.5	20	Annex 8
	GF210	0.5	34.4	
Stability		330079-00- 0602 ETA – 20/0919 Annex 4		
Reaction to fire	A1 (Steel)	EN 13501-1		
Durability	Corrosivity		Electroplated steel	ISO 9223
	Class C1	Steel  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 produce each package	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:

Bradford UK, 14<sup>th</sup> December 2020

Place and date of issue Michael Norris Managing Director



### CE

#### Declaration of Performance

No. 015

1. Product type:

Type 1055 FG1055

2. Type, batch or serial no .:

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

 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): NA

System of assessment and Verification of constancy of performance:

System 2+

 In case of the declaration of performance concerning a construction product covered by a harmonised standard: NA

 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 2812-CPR-1141

Essential Characteristic		Harmonised technical specification			
Mechanical Resistance	Product Type 1055	Slip resistance Fs,Rk (4 fixings) (kN) 0.8	Tension resistance Ft,Rk (4 fixings) (kN) 21.2	EAD No. 330079-00- 0602 ETA – 20/0919 Section 3.1 & Annex 8	
Dimensional Stability	The tolerance	EAD No. 330079-00- 0602 ETA – 20/0919 Annex 7			
Reaction to fire	A1 (Steel)			EN 13501-1	
Durability .	Corrosivity Class C1 C2 C3	Stainless Steel  More than 50 years  More than 50 years  More than 50 years		ISO 9223	
Product identification			way of a label affixed to blies 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:

Bradford UK, 14th December 2020

Michael Norris Managing Director Place and date of issue



### CE

### Declaration of Performance

No. 023

1. Product type:

Type COM

Type, batch or serial no:

COM<sub>10</sub>

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

NA

tasks specified in Article 12(2): 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:

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

Technicky a zkusebni ustav stavebni Praha, s.p.

manufacturer. Test Report No. HL 2479.

under system:

3



Essential Characteristic		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	
	COM10	2	2.15		
Reaction to fire	A1 (Steel)	EN 13501-1			
Durability		-7-		ISO 9223	
	Corrosivi Class	ty Galvanized Steel	Electro-plated Steel		
	C1	more than 50 years	more than 20 years		
	C2	more than 50 years	more than 5 years		
	С3	more than 20 years	Not suitable		

<sup>\*</sup>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



### $c \in$

### Declaration of Performance

No. 020

1. Product type:

Type TR60

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:

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

NA

System 3

8. In case of the declaration of performance concerning a construction product for which a European Technical

Prosecka 811/76a 190 00 Prague

Assessment has been issued, technical assessment body:

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

Technicky a zkusebni ustav stavebni Praha, s.p.

manufacturer. Test Report No. HL 2453.

under system:

3

Essential Characteristic				Performance	Harmonised technical specification			
Mechanical Resistance	P	Product		Characteristic Value of Tension Resistance per fixing Ft,Rk (kN)  1.875  1.875			EAD No. 331924-00- 0602 ETA – 20/0920 Section 3.1 & Annex 9	
	TR6006 TR6008						Alliex 9	
		TR6010						
Reaction to fire	A1 (8	Steel)					EN 13501-1	
Durability							ISO 9223	
		Corrosiv Class		Galvanized Steel	Electro-plated Steel			
		C1		more than 50 years	more than 20 years			
		C2		more than 50 years	more than 5 years			
		С3		more than 20 years	Not suitable			

<sup>\*</sup>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:

Bradford UK, 9th December 2020

Michael Norris Managing Director Place and date of issue



# $\epsilon$

# Declaration of Performance

No. 017

1. Product type:

Type MF MetFloor

2. Type, batch or serial no:

MF06/MF08/MF10

3. Intended use:

Batch no. See product packaging
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

 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): NA

System of assessment and Verification of constancy of performance:

System 3

 In case of the declaration of performance concerning a construction product covered by a harmonised standard: NΑ

In case of the declaration of performance concerning a construction product for which a European Technical

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:

Essential Characteristic				Performance	Harmonised technical specification		
Mechanical Resistance	Product			Characteristic \ Resistanc	'	EAD No. 331924-00- 0602 ETA – 20/0920 Section 3.1 & Annex 9	
		MF06		2.	Annex 9		
		MF08		2.	75		
	. 1	MF10	2.75				
Reaction to fire	A1 (S	Steel)					EN 13501-1
Durability							ISO 9223
		Corrosiv Class		Galvanized Steel	Electro-plated Steel		
		C1		more than 50 years	more than 20 years		
		C2		more than 50 years	more than 5 years		
		С3		more than 20 years	Not suitable		

<sup>\*</sup>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:

Bradford UK, 9th December 2020

Michael Norris Managing Director



# $\epsilon$

# 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

 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): NA

System of assessment and Verification of constancy of performance:

System 3

 In case of the declaration of performance concerning a construction product covered by a harmonised standard: NΑ

 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:

Essential Characteristic				Performance	Harmonised technical specification		
Mechanical Resistance	N N	MW06 MW08 MW10		Characteristic Value of Tension Resistance per fixing Ft,Rk (kN) 2.75 2.75			EAD No. 331924-00- 0602 ETA – 20/0920 Section 3.1 & Annex 9
Reaction to fire	A1 (S	Steel)				-	EN 13501-1
Durability							ISO 9223
		Corrosi 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		

<sup>\*</sup>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:

Bradford UK, 9th December 2020

Michael Norris Managing Partner

# lindapter

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

T: +44 (0) 1274 521444 F: +44 (0) 1274 521130 E: enquiries@Lindapter.com support@Lindapter.com

www.Lindapter.com





# **Declaration of Performance**

No. 016

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

 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

NA

 System of assessment and Verification of constancy of performance:

System 3

 In case of the declaration of performance concerning a construction product covered by a harmonised standard: NΑ

In case of the declaration of performance concerning a construction product for which a European Technical

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:

Essential Characteristic			Performance	Harmonised technical specification		
Mechanical Resistance	Pr	oduct	Characteristic Resistanc	'	EAD No. 331924-00- 0602 ETA – 20/0920 Section 3.1 & Annex 9	
		.W06	1.875 1.875 1.875			Alliex 9
		W10				
Reaction to fire	A1 (S	teel)				EN 13501-1
Durability		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		

<sup>\*</sup>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:

Bradford UK, 9th December 2020

Michael Norris Managing Director Place and date of issue



# $\epsilon$

# **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

 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

NA

System of assessment and Verification of constancy of performance:

System 3

 In case of the declaration of performance concerning a construction product covered by a harmonised standard: NΑ

 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:

Essential Characteristic		Performance					
Mechanical Resistance					$\overline{}$	EAD No. 331924-00-	
		roduct		Characteristic Resistanc		0602 ETA - 20/0920	
			Ft,Rk (kN)				Section 3.1 & Annex 9
	A	AMD06		1.875			
	AMD08		1.875				
	Α	MD10	1.875			,	
Reaction to fire	A1 (S	Steel)	EN 13501-1				
Durability	- 1						ISO 9223
		Corrosiv Class		Galvanized Steel	Electro-plated Steel		
		C1		more than 50 years	more than 20 years		
		C2		more than 50 years	more than 5 years		
	,	С3		more than 20 years	Not suitable		

<sup>\*</sup>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:

Bradford UK, 9th December 2020

Michael Norris Managing Director



# CE

# 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.

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):

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

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:

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
Reaction to fire	A1 (Steel)	1 (Steel)				
Durability						ISO 9223
		osivity lass	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		

<sup>\*</sup>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:

Bradford UK, 9th December 2020

Michael Norris Managing Director



# Declaration of Performance

No. 022

1. Product type:

Type VN

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.

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

Prosecka 811/76a

a European Technical Assessment has been issued, technical assessment body:

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

Technicky a zkusebni ustav stavebni Praha, s.p.

manufacturer. Test Report No. HL 2453.

under system:

Essential Characteristic		Performance					
Mechanical Resistance	Product VN10		Characteristic Value of Tension Resistance per fixing Ft,Rk (kN)			EAD No. 331924-00- 0602 ETA – 20/0920 Section 3.1 & Annex 9	
Reaction to fire	-	VN10 3.50 A1 (Steel)					
Durability	, ·	,				EN 13501-1 ISO 9223	
		Corrosivity Class	/ Galvanized Steel	Electro-plated Steel		100 0220	
		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			

<sup>\*</sup>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:

Bradford UK, 9th December 2020

Michael Norris Managing Director

# Passionate about safety

For over 85 years, Lindapter has manufactured to the highest standards, earning a multitude of independent approvals and a reputation synonymous with safety and reliability. Current accreditations are detailed below.

# Independent Product Approvals

These approvals reinforce Lindapter's extensive in-house testing procedures. Products are tested so that Engineers and Contractors can be confident Lindapter products will perform as detailed in this catalogue.



#### CE Mark

CE Marking provides additional assurance that a product complies with the Construction Product Regulation and will perform as stated in the corresponding Declaration of Performance (DoP). DoPs list Characteristic Resistances for use when designing connections to Eurocode 3. For more information visit www.Lindapter.com



#### Lloyd's Register Type Approval

Lloyd's Register Type Approved products have been subjected to tensile, frictional, vibration and shock tests, witnessed and verified by Lloyd's Register.



### **Factory Mutual**

This American insurance organisation offers an approval that is recognised by the fire protection industry worldwide.



## **TÜV** Nord

TÜV is the certifying authority for safety, quality and environmental protection in Germany.



#### **ICC-ES**

North America's leading evaluation service has approved multiple Lindapter products to be compliant with the International Building Code.



#### Verband der Schadenversicherer

VdS is a leading independent testing institution in Germany for products used in fire protection applications.



#### **Loss Prevention Certification Board**

The LPCB is a leading International Certification body in the field of security and fire protection.

#### Quality and Environment .....

Accredited to **ISO 9001** since 1986, Lindapter strictly enforces a quality management system that includes rigorous product testing to ensure consistently high manufacturing standards.

The company also operates an **ISO 14001** certified environmental management system, constantly monitoring and improving aspects of the business that may impact on the environment, such as the use of natural resources as well as handling and treatment of waste and energy consumption.







EMS 546660

#### Associations

Lindapter is a member of the British Constructional Steelwork Association (BCSA), The Steel Construction Institute (SCI), American Institute of Steel Construction (AISC) and the Southern African Institute of Steel Construction (SAISC).









### Traceability

As part of Lindapter's ISO 9001 quality management system and in compliance with the Construction Products Regulation, Lindapter operates a comprehensive Factory Production Control system that ensures traceability of all Lindapter products throughout the manufacturing process.

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# Here to help you

Lindapter's team of experienced Engineers offer an unrivalled support service, including free connection detailing and bespoke product development. Lindapter's philosophy is to deliver the highest level of service from initial design through to installation guidance.

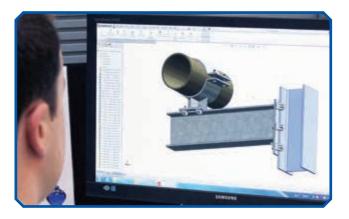
# ····· The Lindapter Service includes: ·····



#### **Free Connection Detailing**

For your next project, Lindapter's experienced Engineers can advise the correct product and detail the connection for you free of charge, providing CAD drawings in 2D or 3D BIM compatible files that can be imported into all major software. Provide the details below and Lindapter will do the rest!

- Steel sizes to be used or flange width / thickness
- Loads to be resisted (e.g. 10kN tension + 15kN slip)
- General arrangement sketch or verbal description
- Project Name / Title / Location (optional)



#### **Engineered Solutions**

Lindapter's Research & Development facility and unique expertise facilitates a bespoke product development service, passionately referred to as 'Engineered Solutions'. Supported by the latest technology including 3D modelling.

rapid prototyping with the aid of two in-house 1,000kN hydraulic test machines and finite element analysis, Lindapter's Engineers can develop solutions that satisfy your connection demands.





# Contact Lindapter to design a solution for your connection requirement.

Email support@Lindapter.com or call +44 (0) 1274 521444 for more details.

#### Disclaimer

Lindapter International supplies components in good faith, on the assumption that customers fully understand the loadings, safety factors and physical parameters of the products involved. Customers or users who are unaware or unsure of any details should refer to Lindapter International before use. Responsibility for loss, damage, or other consequences of misuse cannot be accepted. Lindapter makes every effort to ensure that technical specifications and other product descriptions are correct. 'Specification' shall mean the specification (relating to the use of the materials) set out in the quotation given by the Seller to the Buyer. Responsibility for errors or omissions cannot be accepted. All dimensions stated are subject to production tolerances - if in doubt please check with Lindapter. In the interests of improving the quality and performance of Lindapter products, we reserve the right to make specification changes without prior notice.

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