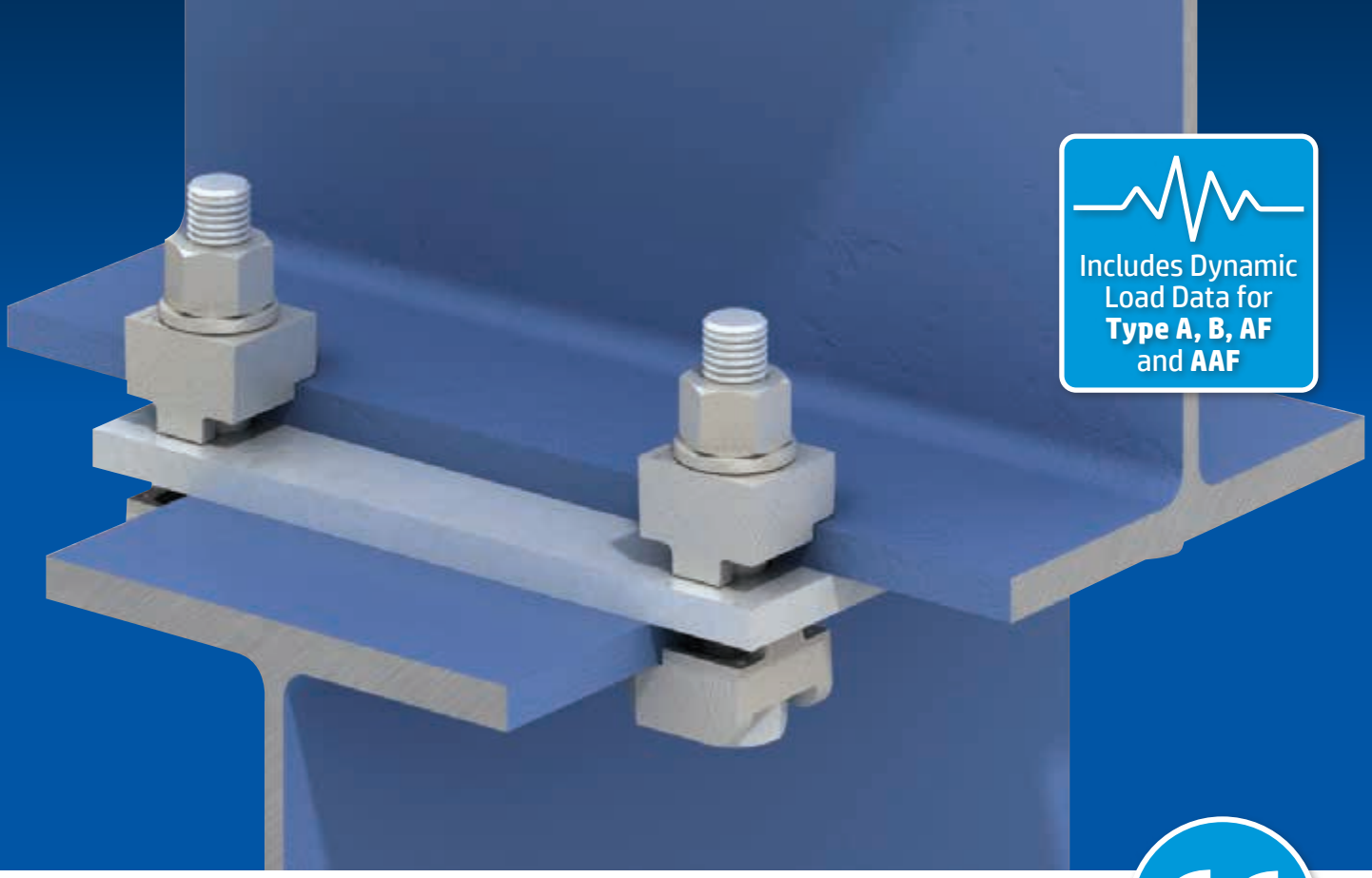


Includes Dynamic Load Data for **Type A, B, AF** and **AAF**

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 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.

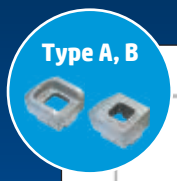
The characteristic values are used to determine the design resistance. The design resistance is calculated by dividing the characteristic value by a partial factor γM2. The partial factor is a nationally determined parameter, for example, γM2 = 1.25 for the UK).

CE

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

Product	Bolt property class	Tension Resistance (4 bolts) F_t,R_K (kN)	Slip Resistance (4 bolts) F_s,R_K (kN)
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

Allowable maximum forces for tension resistance for dynamic loading

Allowable maximum forces for tension (k=0)

Partial safety factors: γFf = 1.0 and γMf = 1.0		Allowable maximum forces For tension (k=0)			
Numbers of cycles		M12 kN	M16 kN	M20 kN	M24 kN
from	to				
	1×10^4	27.28[1)]	50.88[1)]	79.36[1)]	114.32[1)]
1×10^4	2×10^4	24.65	45.91	71.64	103.22
2×10^4	6×10^4	17.09	31.83	49.67	71.57
6×10^4	2×10^5	11.44	21.31	33.25	47.91
2×10^5	6×10^5	7.93	14.78	23.06	33.22
6×10^5	2×10^6	5.31	9.89	15.44	22.24
2×10^6	5×10^6	3.91	7.29	11.37	16.39
5×10^6	1×10^7	3.41	6.34	9.90	14.26
1×10^7	2×10^7	2.97	5.52	8.62	12.42
Greater than	1×10^8	2.15	4.00	6.25	9.00

1) Design value of tension resistance Ft,Rd for static load

Allowable maximum forces for alternating loads (k=-1.0)

Partial safety factors: γFf = 1.0 and γMf = 1.0		Allowable maximum forces For tension (k=-1.0)			
Numbers of cycles		M12 kN	M16 kN	M20 kN	M24 kN
from	to				
	1×10^4	27.28[1)]	50.88[1)]	79.36[1)]	114.32[1)]
1×10^4	2×10^4	12.33	22.95	35.82	51.61
2×10^4	6×10^4	8.55	15.92	24.84	35.79
6×10^4	2×10^5	5.72	10.65	16.63	23.96
2×10^5	6×10^5	3.97	7.39	11.53	16.61
6×10^5	2×10^6	2.66	4.95	7.72	11.12
2×10^6	5×10^6	1.96	3.64	5.69	8.19
5×10^6	1×10^7	1.70	3.17	4.95	7.13
1×10^7	2×10^7	1.48	2.76	4.31	6.21
Greater than	1×10^8	1.07	2.00	3.12	4.50

1) Design value of tension resistance Ft,Rd for static load

<table>
<tr><td>Dimensional Stability</td><td>The tolerances for dimensions / size are defined in the ETA.</td><td>EAD No. 330080-00-0602
ETA – 20/0918
Annex 12</td></tr>
<tr><td>Reaction to fire</td><td>A1 (Steel)</td><td>EN 13501-1</td></tr>
<tr><td>Durability</td><td><table>
<tr><th>Corrosivity Class</th><th>Galvanised Steel</th><th>Electro - plated steel</th></tr>
<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>
</table></td><td>ISO 9223</td></tr>
<tr><td>Product identification</td><td>Each product shall be identified by way of a label affixed to each packaging of fastener assemblies as defined in the ETA.</td><td>EAD No. 330080-00-0602
ETA – 20/0918
Annex 11</td></tr>
</table>

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

CE

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
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 number:	2812-CPR-1140

9. Declared performance

<table>
<tr><th>Essential Characteristic</th><th>Performance</th><th>Harmonised technical specification</th></tr>
<tr><td>Mechanical Resistance</td><td>
<table>
<tr><th rowspan="2">Product</th><th rowspan="2">Bolt property class</th><th colspan="2">Slip resistance Fs,Rk (4 bolts) (kN)</th><th rowspan="2">Tension resistance Ft,Rk (4 bolts) (kN)</th></tr>
<tr><th>Painted*</th><th>Galvanised</th></tr>
<tr><td>AAF12</td><td>8.8</td><td>12</td><td>14</td><td>136</td></tr>
<tr><td>AAF16</td><td>8.8</td><td>25</td><td>30</td><td>214</td></tr>
<tr><td>AAF20</td><td>8.8</td><td>50</td><td>60</td><td>460</td></tr>
<tr><td colspan="5"></td></tr>
<tr><td>AAF12</td><td>10.9</td><td>16</td><td>20</td><td>160</td></tr>
<tr><td>AAF16</td><td>10.9</td><td>42</td><td>44</td><td>284</td></tr>
<tr><td>AAF20</td><td>10.9</td><td>75</td><td>90</td><td>520</td></tr>
</table>
*Shot blast to Swedish standard SA2½, then painted one coat oxide primer
Allowable maximum forces for tension resistance for dynamic loading
Allowable maximum forces for tension (k=0)
Design resistance in tension for dynamic loading
<table>
<tr><th colspan="2" rowspan="2">Number of cycles</th><th colspan="3">Design resistances $F_{t,Rd}$ (tension) per 4 bolt connection (Property class 8.8)</th></tr>
<tr><th>AAF12 (kN)</th><th>AAF16 (kN)</th><th>AAF20 (kN)</th></tr>
<tr><th>from</th><th>up to</th><td></td><td></td><td></td></tr>
<tr><td></td><td>1×10^4</td><td>108.00</td><td>171.00</td><td>368.00</td></tr>
<tr><td>1×10^4</td><td>2×10^4</td><td>78.26</td><td>145.75</td><td>227.44</td></tr>
<tr><td>2×10^4</td><td>6×10^4</td><td>54.26</td><td>101.05</td><td>157.69</td></tr>
<tr><td>6×10^4</td><td>2×10^5</td><td>36.32</td><td>67.65</td><td>105.57</td></tr>
<tr><td>2×10^5</td><td>6×10^5</td><td>25.19</td><td>46.91</td><td>73.20</td></tr>
<tr><td>6×10^5</td><td>2×10^6</td><td>16.86</td><td>31.40</td><td>49.00</td></tr>
<tr><td>2×10^6</td><td>5×10^6</td><td>14.43</td><td>23.14</td><td>36.11</td></tr>
<tr><td>5×10^6</td><td>1×10^7</td><td>10.81</td><td>20.13</td><td>31.42</td></tr>
<tr><td>1×10^7</td><td>1×10^8</td><td>9.41</td><td>17.53</td><td>27.35</td></tr>
<tr><td>Greater than</td><td>1×10^8</td><td>6.82</td><td>12.70</td><td>19.83</td></tr>
</table>
</td><td>EAD No. 330080-00-0602
ETA – 20/0918
Section 3.1
Annex 9 & 10</td></tr>
<tr><td>Dimensional Stability</td><td>The tolerances for dimensions / size are defined in the ETA.</td><td>EAD No. 330080-00-0602
ETA – 20/0918
Annex 6</td></tr>
<tr><td>Reaction to fire</td><td>A1 (Steel)</td><td>EN 13501-1</td></tr>
<tr><td>Durability</td><td>
<table>
<tr><th>Corrosivity Class</th><th>Galvanised Steel</th></tr>
<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>
</table>
</td><td>ISO 9223</td></tr>
</table>

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

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

CE

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

<table>
<tr><th>Essential Characteristic</th><th>Performance</th><th>Harmonised technical specification</th></tr>
<tr><td>Mechanical Resistance</td><td>
<table>
<tr><th rowspan="2">Product</th><th rowspan="2">Bolt property class</th><th colspan="2">Slip resistance Fs,Rk (4 bolts) (kN)</th><th rowspan="2">Tension resistance Ft,Rk (4 bolts) (kN)</th></tr>
<tr><th>Painted*</th><th>Galvanised</th></tr>
<tr><td>AF12</td><td>8.8</td><td>12</td><td>14</td><td>136</td></tr>
<tr><td>AF16</td><td>8.8</td><td>25</td><td>30</td><td>214</td></tr>
<tr><td>AF20</td><td>8.8</td><td>50</td><td>60</td><td>460</td></tr>
<tr><td>AF24</td><td>8.8</td><td>80</td><td>96</td><td>700</td></tr>
<tr><td colspan="5"></td></tr>
<tr><td>AF12</td><td>10.9</td><td>16</td><td>20</td><td>160</td></tr>
<tr><td>AF16</td><td>10.9</td><td>42</td><td>44</td><td>284</td></tr>
<tr><td>AF20</td><td>10.9</td><td>75</td><td>90</td><td>520</td></tr>
<tr><td>AF24</td><td>10.9</td><td>110</td><td>140</td><td>750</td></tr>
</table>
*Shot blast to Swedish standard SA2½, then painted one coat oxide primer
Allowable maximum forces for tension resistance for dynamic loading
Allowable maximum forces for tension (k=0)
Design resistance in tension for dynamic loading
<table>
<tr><th colspan="2" rowspan="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>AF12 (kN)</th><th>AF16 (kN)</th><th>AF20 (kN)</th><th>AF24 (kN)</th></tr>
<tr><th>from</th><th>up to</th><td></td><td></td><td></td><td></td></tr>
<tr><td></td><td>1×10^4</td><td>108.00</td><td>171.00</td><td>368.00</td><td>560.00</td></tr>
<tr><td>1×10^4</td><td>2×10^4</td><td>78.26</td><td>145.75</td><td>227.44</td><td>327.70</td></tr>
<tr><td>2×10^4</td><td>6×10^4</td><td>54.26</td><td>101.05</td><td>157.69</td><td>227.20</td></tr>
<tr><td>6×10^4</td><td>2×10^5</td><td>36.32</td><td>67.65</td><td>105.57</td><td>152.10</td></tr>
<tr><td>2×10^5</td><td>6×10^5</td><td>25.19</td><td>46.91</td><td>73.20</td><td>105.46</td></tr>
<tr><td>6×10^5</td><td>2×10^6</td><td>16.86</td><td>31.40</td><td>49.00</td><td>70.60</td></tr>
<tr><td>2×10^6</td><td>5×10^6</td><td>14.43</td><td>23.14</td><td>36.11</td><td>52.03</td></tr>
<tr><td>5×10^6</td><td>1×10^7</td><td>10.81</td><td>20.13</td><td>31.42</td><td>45.27</td></tr>
<tr><td>1×10^7</td><td>1×10^8</td><td>9.41</td><td>17.53</td><td>27.35</td><td>39.41</td></tr>
<tr><td>Greater than</td><td>1×10^8</td><td>6.82</td><td>12.70</td><td>19.83</td><td>28.56</td></tr>
</table>
</td><td>EAD No. 330080-00-0602
ETA – 20/0918
Section 3.1
Annex 9 & 10</td></tr>
<tr><td>Dimensional Stability</td><td>The tolerances for dimensions / size are defined in the ETA.</td><td>EAD No. 330080-00-0602
ETA – 20/0918
Annex 3</td></tr>
<tr><td>Reaction to fire</td><td>A1 (Steel)</td><td>EN 13501-1</td></tr>
</table>

Durability	<table><tr><th>Corrosivity Class</th><th>Galvanised Steel</th></tr><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></table>	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. 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

CE

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

<table>
<tr><th>Essential Characteristic</th><th>Performance</th><th>Harmonised technical specification</th></tr>
<tr><td>Mechanical Resistance</td><td>
<table>
<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>
<tr><td>CF12/212</td><td>8.8</td><td>12</td><td>136</td></tr>
<tr><td>CF16/216</td><td>8.8</td><td>25</td><td>214</td></tr>
<tr><td>CF20/220</td><td>8.8</td><td>50</td><td>460</td></tr>
</table>
</td><td>EAD No. 330155-00-0602
ETA – 20/0921 Section 3.1 & Annex 27</td></tr>
<tr><td>Dimensional Stability</td><td>The tolerances for dimensions / size are defined in the ETA.</td><td>EAD No. 330155-00-0602
ETA – 20/0921 Annex 18</td></tr>
<tr><td>Reaction to fire</td><td>A1 (Steel)</td><td>EN 13501-1</td></tr>
<tr><td>Durability</td><td>
<table>
<tr><th>Corrosivity Class</th><th>Galvanised Steel</th></tr>
<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>
</table>
</td><td>ISO 9223</td></tr>
<tr><td>Product identification</td><td>Each product shall be identified by way of a label affixed to each packaging of fastener assemblies as defined in the ETA.</td><td>EAD No. 330155-00-0602
ETA – 20/0921 Annex 18</td></tr>
</table>

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

CE

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

<table>
<tr><th>Essential Characteristic</th><th>Performance</th><th>Harmonised technical specification</th></tr>
<tr><td>Mechanical Resistance</td><td>
<table>
<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>
<tr><td>LR10</td><td>8.8</td><td>2</td><td>11.5</td></tr>
<tr><td>LR12</td><td>8.8</td><td>3.5</td><td>34</td></tr>
<tr><td>LR16</td><td>8.8</td><td>6.5</td><td>63.5</td></tr>
<tr><td>LR20</td><td>8.8</td><td>10</td><td>99</td></tr>
<tr><td>LR24</td><td>8.8</td><td>14.5</td><td>143</td></tr>
</table>
</td><td>EAD No. 330155-00-0602
ETA – 20/0921
Section 3.1 & Annex 26</td></tr>
<tr><td>Dimensional Stability</td><td>The tolerances for dimensions / size are defined in the ETA.</td><td>EAD No. 330155-00-0602
ETA – 20/0921
Annex 3</td></tr>
<tr><td>Reaction to fire</td><td>A1 (Steel)</td><td>EN 13501-1</td></tr>
<tr><td>Durability</td><td>
<table>
<tr><th>Corrosivity Class</th><th>Galvanised Steel</th><th>Electro - plated steel</th></tr>
<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>
</table>
</td><td>ISO 9223</td></tr>
<tr><td>Product identification</td><td>Each product shall be identified by way of a label affixed to each packaging of fastener assemblies as defined in the ETA.</td><td>EAD No. 330155-00-0602
ETA – 20/0921
Annex 3</td></tr>
</table>

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

CE

Declaration of Performance

No. 007

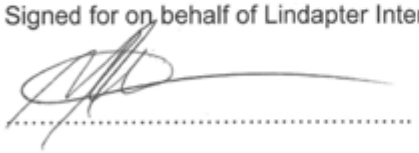
1.	**Product type:**	Type D2
2.	**Type, batch or serial no.:**	D210/D212/D216/D220 Batch no. See product packaging
3.	**Intended use:**	An adjustable clamp used to connect steel components. Adjustable to allow for use with multiple profiles of steelwork.
4.	**Manufacturer:**	Lindapter International Lindsay House, Brackenbeck Road Bradford, West Yorkshire BD7 2NF
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

<table>
<tr><th>Essential Characteristic</th><th>Performance</th><th>Harmonised technical specification</th></tr>
<tr><td>Mechanical Resistance</td><td>
<table>
<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>
<tr><td>D210</td><td>8.8</td><td>2</td><td>11.5</td></tr>
<tr><td>D212</td><td>8.8</td><td>3.5</td><td>34</td></tr>
<tr><td>D216</td><td>8.8</td><td>6.5</td><td>63.5</td></tr>
<tr><td>D220</td><td>8.8</td><td>10</td><td>99</td></tr>
</table>
</td><td>EAD No. 330155-00-0602
ETA – 20/0921
Section 3.1 & Annex 26</td></tr>
<tr><td>Dimensional Stability</td><td>The tolerances for dimensions / size are defined in the ETA.</td><td>EAD No. 330155-00-0602
ETA – 20/0921
Annex 6</td></tr>
<tr><td>Reaction to fire</td><td>A1 (Steel)</td><td>EN 13501-1</td></tr>
<tr><td>Durability</td><td>
<table>
<tr><th>Corrosivity Class</th><th>Galvanised Steel</th><th>Electro - plated steel</th></tr>
<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>
</table>
</td><td>ISO 9223</td></tr>
<tr><td>Product identification</td><td>Each product shall be identified by way of a label affixed to each packaging of fastener assemblies as defined in the ETA.</td><td>EAD No. 330155-00-0602
ETA – 20/0921
Annex 6</td></tr>
</table>

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

CE

Declaration of Performance

No. 008

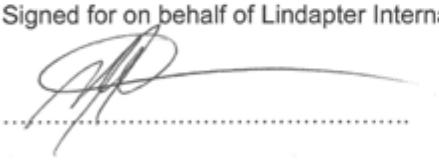
1.	**Product type:**	Type LS
2.	**Type, batch or serial no.:**	LS10/LS12/LS16/LS20 Batch no. See product packaging
3.	**Intended use:**	An adjustable clamp used to connect steel components. Adjustable to allow for use with multiple profiles of steelwork.
4.	**Manufacturer:**	Lindapter International Lindsay 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

<table>
<tr><th>Essential Characteristic</th><th>Performance</th><th>Harmonised technical specification</th></tr>
<tr><td>Mechanical Resistance</td><td>
<table>
<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>
<tr><td>LS10</td><td>A4-70</td><td>4</td><td>40</td></tr>
<tr><td>LS12</td><td>A4-70</td><td>8</td><td>80</td></tr>
<tr><td>LS16</td><td>A4-70</td><td>12</td><td>160</td></tr>
<tr><td>LS20</td><td>A4-70</td><td>20</td><td>220</td></tr>
</table>
</td><td>EAD No. 330155-00-0602
ETA – 20/0921
Section 3.1 and Annex 26</td></tr>
<tr><td>Dimensional Stability</td><td>The tolerances for dimensions / size are defined in the ETA.</td><td>EAD No. 330155-00-0602
ETA – 20/0921
Annex 9</td></tr>
<tr><td>Reaction to fire</td><td>A1 (Steel)</td><td>EN 13501-1</td></tr>
<tr><td>Durability</td><td>
<table>
<tr><th>Corrosivity Class</th><th>Stainless Steel</th></tr>
<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>
</table>
</td><td>ISO 9223</td></tr>
<tr><td>Product identification</td><td>Each product shall be identified by way of a label affixed to each packaging of fastener assemblies as defined in the ETA.</td><td>EAD No. 330155-00-0602
ETA – 20/0921
Annex 9</td></tr>
</table>

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

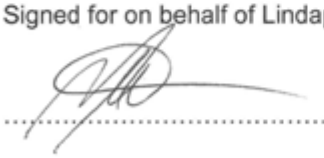
1.	**Product type:**	Type F9
2.	**Type , batch or serial no.:**	F910/F912/F916/F920/F924 Batch no. See product packaging
3.	**Intended use:**	An adjustable clamp used to connect steel components. Adjustable to allow for use with multiple profiles of steelwork.
4.	**Manufacturer:**	Lindapter International 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

<table>
<tr><th>Essential Characteristic</th><th>Performance</th><th>Harmonised technical specification</th></tr>
<tr><td>Mechanical Resistance</td><td>
<table>
<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>
<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>
</table>
</td><td>EAD No. 330155-00-0602
ETA – 20/0921
Section 3.1 & Annex 27</td></tr>
<tr><td>Dimensional Stability</td><td>The tolerances for dimensions / size are defined in the ETA.</td><td>EAD No. 330155-00-0602
ETA – 20/0921
Annex 15</td></tr>
<tr><td>Reaction to fire</td><td>A1 (Steel)</td><td>EN 13501-1</td></tr>
<tr><td>Durability</td><td>
<table>
<tr><th>Corrosivity Class</th><th>Galvanised Steel</th><th>Electroplated steel</th></tr>
<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>
</table>
</td><td>ISO 9223</td></tr>
<tr><td>Product identification</td><td>Each product shall be identified by way of a label affixed to each packaging of fastener assemblies as defined in the ETA.</td><td>EAD No. 330155-00-0602
ETA – 20/0921
Annex 15</td></tr>
</table>

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. 012

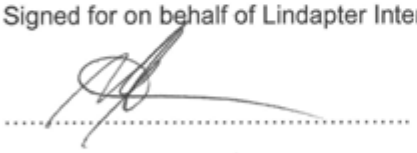
1.	**Product type:**	Type FC
2.	**Type, batch or serial no.:**	FC16 Batch no. See product packaging
3.	**Intended use:**	An adjustable clamp used to connect steel components. Adjustable to allow for use with multiple profiles of steelwork.
4.	**Manufacturer:**	Lindapter International Lindsay House, Brackenbeck 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

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

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

CE

Declaration of Performance

No. 001

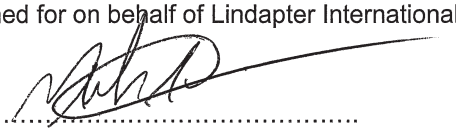
1.	**Product type:**	Hollo-Bolt®
2.	**Type, batch or serial no.:**	ETA 20/0917 Batch no. See product packaging
3.	**Intended use:**	An expanding structural bolting assembly for use in blind fastening to steelwork
4.	**Manufacturer:**	Lindapter International Lindsay House, Brackenbeck Road Bradford, West 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

<table>
<tr><th>Essential Characteristic</th><th>Performance</th><th>Harmonised technical specification</th></tr>
<tr><td>Mechanical Resistance</td><td>
<table>
<tr><th>Nominal size</th><th>Tension resistance $F_{t,Rk}$ (kN)</th><th>Shear resistance $F_{v,Rk}$ (kN)</th><th>Material strength of sleeve (N/mm²)</th></tr>
<tr><td colspan="4">Carbon Steel</td></tr>
<tr><td>M08</td><td>23.1</td><td>32.9</td><td>430</td></tr>
<tr><td>M10</td><td>39.6</td><td>54.2</td><td>430</td></tr>
<tr><td>M12</td><td>45.8</td><td>71.0</td><td>430</td></tr>
<tr><td>M16</td><td>84.3</td><td>139.0</td><td>430</td></tr>
<tr><td>M20</td><td>124.0</td><td>211.0</td><td>390</td></tr>
<tr><td colspan="4">Stainless Steel</td></tr>
<tr><td>M08</td><td>26.8</td><td>30.7</td><td>500</td></tr>
<tr><td>M10</td><td>46.0</td><td>51.0</td><td>500</td></tr>
<tr><td>M12</td><td>53.3</td><td>65.0</td><td>500</td></tr>
<tr><td>M16</td><td>98.0</td><td>128.0</td><td>500</td></tr>
<tr><td>M20</td><td>154.0</td><td>205.0</td><td>500</td></tr>
</table>
</td><td>EAD No. 330001-00-0602
ETA – 20/0917
Section 3.1 and Annexes</td></tr>
<tr><td>Dimensional Stability</td><td>The tolerances for dimensions / size are defined in the ETA.</td><td>EAD No. 330001-00-0602
ETA – 20/0917
Annexes</td></tr>
<tr><td>Reaction to fire</td><td>A1 (Steel)</td><td>EN 13501-1</td></tr>
<tr><td>Durability</td><td>
<table>
<tr><th>Corrosivity Class</th><th>Galvanised Steel</th><th>Zinc Plated + JS500</th><th>Sheraplex</th><th>Stainless Steel</th></tr>
<tr><td>C1</td><td>More than 50 years</td><td>More than 50 years</td><td>More than 50 years</td><td>More than 50 years</td></tr>
<tr><td>C2</td><td>More than 50 years</td><td>More than 20 years</td><td>More than 50 years</td><td>More than 50 years</td></tr>
<tr><td>C3</td><td>More than 20 years</td><td>More than 10 years</td><td>More than 20 years</td><td>More than 50 years</td></tr>
</table>
</td><td>ISO 9223</td></tr>
<tr><td>Product identification</td><td>Each product shall be identified by way of a label affixed to each packaging of fastener assemblies as defined in the ETA.</td><td>EAD No. 330001-00-0602
ETA – 20/0917
Annexes</td></tr>
</table>

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

CE

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

<table>
<tr><th>Essential Characteristic</th><th colspan="4">Performance</th><th>Harmonised technical specification</th></tr>
<tr><td>Mechanical Resistance</td><td colspan="4"><table>
<tr><th>Nominal size</th><th>Tension resistance $F_{t,Rk}$ (kN)</th><th>Shear resistance $F_{v,Rk}$ (kN)</th><th>Material strength of sleeve (N/mm²)</th></tr>
<tr><td>M10</td><td>12.0</td><td>14.8</td><td>380</td></tr>
<tr><td>M12</td><td>17.7</td><td>21.4</td><td>380</td></tr>
<tr><td>M16</td><td>34.5</td><td>40.6</td><td>380</td></tr>
<tr><td>M20</td><td>54.5</td><td>64.1</td><td>380</td></tr>
<tr><td>M24</td><td>79.1</td><td>93.2</td><td>380</td></tr>
<tr><td>M10</td><td>15.8</td><td>13.7</td><td>500</td></tr>
<tr><td>M12</td><td>23.2</td><td>19.9</td><td>500</td></tr>
<tr><td>M16</td><td>45.4</td><td>38.0</td><td>500</td></tr>
<tr><td>M20</td><td>71.7</td><td>60.1</td><td>500</td></tr>
<tr><td>M24</td><td>104.1</td><td>87.3</td><td>500</td></tr>
</table></td><td>EAD No. 330001-00-0602
ETA – 20/0916
Section 3.1 and Annexes</td></tr>
<tr><td>Dimensional Stability</td><td colspan="4">The tolerances for dimensions / size are defined in the ETA.</td><td>EAD No. 330001-00-0602
ETA – 20/0916
Annexes</td></tr>
<tr><td>Reaction to fire</td><td colspan="4">A1 (Steel)</td><td>EN 13501-1</td></tr>
<tr><td>Durability</td><td colspan="4"><table>
<tr><th>Corrosivity Class</th><th>Electro - plated steel</th><th>Stainless Steel</th></tr>
<tr><td>C1</td><td>More than 20 years</td><td>More than 50 years</td></tr>
<tr><td>C2</td><td>More than 5 years</td><td>More than 50 years</td></tr>
<tr><td>C3</td><td>Not suitable</td><td>More than 50 years</td></tr>
</table></td><td>ISO 9223</td></tr>
<tr><td>Product identification</td><td colspan="4">Each product shall be identified by way of a label affixed to each packaging of fastener assemblies as defined in the ETA.</td><td>EAD No. 330001-00-0602
ETA – 20/0916
Annexes</td></tr>
</table>

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

CE

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

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

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

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

<table>
<tr><th>Essential Characteristic</th><th>Performance</th><th>Harmonised technical specification</th></tr>
<tr><td>Mechanical Resistance</td><td>
<table>
<tr><th>Product</th><th>Slip resistance Fs,Rk (4 Fixings) (kN)</th><th>Tension resistance Ft,Rk (4 fixings) (kN)</th></tr>
<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>
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ETA – 20/0919
Section 3.1 & Annex 8</td></tr>
<tr><td>Dimensional Stability</td><td>The tolerances for dimensions / size are defined in the ETA.</td><td>EAD No. 330079-00-0602
ETA – 20/0919
Annex 4</td></tr>
<tr><td>Reaction to fire</td><td>A1 (Steel)</td><td>EN 13501-1</td></tr>
<tr><td>Durability</td><td>
<table>
<tr><th>Corrosivity Class</th><th>Galvanised Steel</th><th>Electroplated steel</th></tr>
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<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>
</table>
</td><td>ISO 9223</td></tr>
<tr><td>Product identification</td><td>Each product shall be identified by way of a label affixed to each packaging of fastener assemblies as defined in the ETA.</td><td>EAD No. 330079-00-0602
ETA 20/0919
Annex 4</td></tr>
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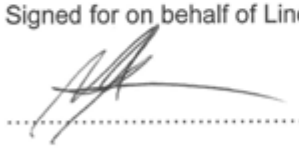
10. The performance of the product identified above is in conformity with the declared performance identified in the point 9.

Signed for on behalf of Lindapter International by:



Michael Norris Managing Director

Bradford UK, 14th December 2020

Place and date of issue

CE

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

<table>
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ETA – 20/0919
Section 3.1 & Annex 8</td></tr>
<tr><td>Dimensional Stability</td><td>The tolerances for dimensions / size are defined in the ETA.</td><td>EAD No. 330079-00-0602
ETA – 20/0919
Annex 7</td></tr>
<tr><td>Reaction to fire</td><td>A1 (Steel)</td><td>EN 13501-1</td></tr>
<tr><td>Durability</td><td>
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<tr><th>Corrosivity Class</th><th>Stainless Steel</th></tr>
<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>
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</td><td>ISO 9223</td></tr>
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ETA – 20/0919
Annex 7</td></tr>
</table>

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
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

<table>
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<tr><td>Mechanical Resistance</td><td>
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<tr><th>Product</th><th>Characteristic Value of Tension Resistance per fixing
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</table>
</td><td>EAD No. 331924-00-0602
ETA – 20/0920
Section 3.1 & Annex 9</td></tr>
<tr><td>Reaction to fire</td><td>A1 (Steel)</td><td>EN 13501-1</td></tr>
<tr><td>Durability</td><td>
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<tr><th>Corrosivity Class</th><th>Galvanized Steel</th><th>Electro-plated Steel</th></tr>
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<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>
</table>
</td><td>ISO 9223</td></tr>
</table>

*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

CE

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

<table>
<tr><th>Essential Characteristic</th><th>Performance</th><th>Harmonised technical specification</th></tr>
<tr><td>Mechanical Resistance</td><td>
<table>
<tr><th>Product</th><th>Characteristic Value of Tension Resistance per fixing
Ft,Rk (kN)</th></tr>
<tr><td>TR6006</td><td>1.875</td></tr>
<tr><td>TR6008</td><td>1.875</td></tr>
<tr><td>TR6010</td><td>1.875</td></tr>
</table>
</td><td>EAD No. 331924-00-0602
ETA – 20/0920
Section 3.1 & Annex 9</td></tr>
<tr><td>Reaction to fire</td><td>A1 (Steel)</td><td>EN 13501-1</td></tr>
<tr><td>Durability</td><td>
<table>
<tr><th>Corrosivity Class</th><th>Galvanized Steel</th><th>Electro-plated Steel</th></tr>
<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>
</table>
</td><td>ISO 9223</td></tr>
</table>

*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

CE

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

<table>
<tr><th>Essential Characteristic</th><th>Performance</th><th>Harmonised technical specification</th></tr>
<tr><td>Mechanical Resistance</td><td>
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<tr><th>Product</th><th>Characteristic Value of Tension Resistance per fixing
Ft,Rk (kN)</th></tr>
<tr><td>MF06</td><td>2.75</td></tr>
<tr><td>MF08</td><td>2.75</td></tr>
<tr><td>MF10</td><td>2.75</td></tr>
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ETA – 20/0920
Section 3.1 & Annex 9</td></tr>
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<tr><td>Durability</td><td>
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<tr><th>Corrosivity Class</th><th>Galvanized Steel</th><th>Electro-plated Steel</th></tr>
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</td><td>ISO 9223</td></tr>
</table>

*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

CE

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

<table>
<tr><th>Essential Characteristic</th><th>Performance</th><th>Harmonised technical specification</th></tr>
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Ft,Rk (kN)</th></tr>
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ETA – 20/0920
Section 3.1 & Annex 9</td></tr>
<tr><td>Reaction to fire</td><td>A1 (Steel)</td><td>EN 13501-1</td></tr>
<tr><td>Durability</td><td>
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<tr><th>Corrosivity Class</th><th>Galvanized Steel</th><th>Electro-plated Steel</th></tr>
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<tr><td>C3</td><td>more than 20 years</td><td>Not suitable</td></tr>
</table>
</td><td>ISO 9223</td></tr>
</table>

*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

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

DoPUKNov22

CE

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

<table>
<tr><th>Essential Characteristic</th><th>Performance</th><th>Harmonised technical specification</th></tr>
<tr><td>Mechanical Resistance</td><td>
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Ft,Rk (kN)</th></tr>
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<tr><td>AW08</td><td>1.875</td></tr>
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ETA – 20/0920
Section 3.1 & Annex 9</td></tr>
<tr><td>Reaction to fire</td><td>A1 (Steel)</td><td>EN 13501-1</td></tr>
<tr><td>Durability</td><td>
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<tr><th>Corrosivity Class</th><th>Galvanized Steel</th><th>Electro-plated Steel</th></tr>
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<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>
</table>
</td><td>ISO 9223</td></tr>
</table>

*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

CE

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

<table>
<tr><th>Essential Characteristic</th><th>Performance</th><th>Harmonised technical specification</th></tr>
<tr><td>Mechanical Resistance</td><td>
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Ft,Rk (kN)</th></tr>
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<tr><td>AMD08</td><td>1.875</td></tr>
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</td><td>EAD No. 331924-00-0602
ETA – 20/0920
Section 3.1 & Annex 9</td></tr>
<tr><td>Reaction to fire</td><td>A1 (Steel)</td><td>EN 13501-1</td></tr>
<tr><td>Durability</td><td>
<table>
<tr><th>Corrosivity Class</th><th>Galvanized Steel</th><th>Electro-plated Steel</th></tr>
<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>
</table>
</td><td>ISO 9223</td></tr>
</table>

*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

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.
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

<table>
<tr><th>Essential Characteristic</th><th>Performance</th><th>Harmonised technical specification</th></tr>
<tr><td>Mechanical Resistance</td><td>
<table>
<tr><th>Product</th><th>Characteristic Value of Tension Resistance per fixing
Ft,Rk (kN)</th></tr>
<tr><td>SD210</td><td>1.875</td></tr>
</table>
</td><td>EAD No. 331924-00-0602
ETA – 20/0920
Section 3.1 & Annex 9</td></tr>
<tr><td>Reaction to fire</td><td>A1 (Steel)</td><td>EN 13501-1</td></tr>
<tr><td>Durability</td><td>
<table>
<tr><th>Corrosivity Class</th><th>Galvanized Steel</th><th>Electro-plated Steel</th></tr>
<tr><td>C1</td><td>more than 50 years</td><td>more than 20 years</td></tr>
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*The characteristic resistances are valid for the decking fixing only. Please refer to the relevant composite decking manufacturer for acceptable loads from services.

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Signed for on behalf of Lindapter International by:

Michael Norris Managing Director

Bradford UK, 9th December 2020

Place and date of issue

CE

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

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<tr><th>Essential Characteristic</th><th>Performance</th><th>Harmonised technical specification</th></tr>
<tr><td>Mechanical Resistance</td><td>
<table>
<tr><th>Product</th><th>Characteristic Value of Tension Resistance per fixing
Ft,Rk (kN)</th></tr>
<tr><td>VN10</td><td>3.50</td></tr>
</table>
</td><td>EAD No. 331924-00-0602
ETA – 20/0920
Section 3.1 & Annex 9</td></tr>
<tr><td>Reaction to fire</td><td>A1 (Steel)</td><td>EN 13501-1</td></tr>
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<tr><th>Corrosivity Class</th><th>Galvanized Steel</th><th>Electro-plated Steel</th></tr>
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Michael Norris Managing Director

Bradford UK, 9th December 2020

Place and date of issue

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.

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

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

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

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

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.

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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.

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.

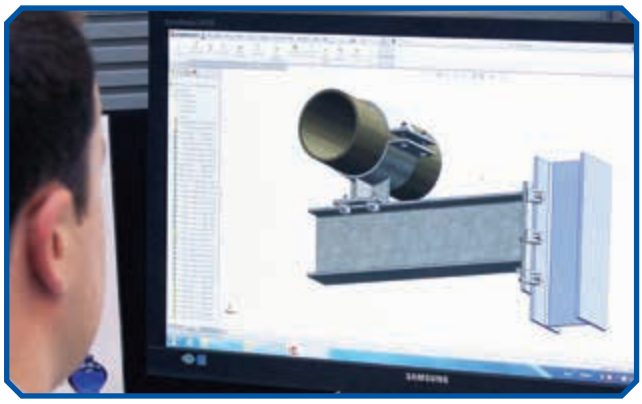
The Lindapter Service includes:

- Free design proposal
- 2D / 3D drawings
- Quotation
- Global distribution
- Installation guidance

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.