



Declaration of Performance

No. 002

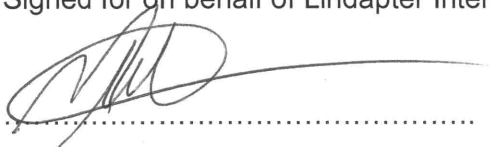
1. **Product type:** Lindibolt®
 2. **Type, batch or serial no.:** ETA 20/0916
Batch no. See product packaging
 3. **Intended use:** An expanding structural bolting assembly for use in blind fastening to steelwork
 4. **Manufacturer:** Lindapter International
Lindsay House,
Brackenbeck Road
Bradford,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

9. Declared performance

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

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

Signed for on behalf of Lindapter International by:



Michael Norris Managing Director

Bradford UK, 14th December 2020

Place and date of issue