



Declaration of Performance

No. 001

1. **Product type:** Hollo-Bolt®
 2. **Type , batch or serial no.:** ETA 10/0416, Annex A1
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:** BM TRADA, Chiltern House,
Stocking Lane,
Hughenden Valley,
High Wycombe
Buckinghamshire
HP14 4ND
No. 1224
- issued:** ETA 10/0416
- on the basis of:** EAD No. 330001-00-0602
- performed:** Exova BM TRADA 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:** 1224-CPR-0208

9. Declared performance

Essential Characteristic	Performance					Harmonised technical specification
Mechanical Resistance	Nominal size	Tension resistance $F_{t,Rk}$ (kN)	Shear resistance $F_{v,Rk}$ (kN)	Material strength of sleeve (N/mm ²)		EAD No. 330001-00-0602 ETA - 10/0416 Section 4.1
	M8	23.1	32.9	430		
	M10	39.6	54.2	430		
	M12	45.8	71.0	430		
	M16	84.3	139	430		
	M20	124	211	390		
	M8	26.8	30.7	500		
	M10	46.0	51.0	500		
	M12	53.3	65.0	500		
	M16	98.0	128	500		
	M20	154	205	500		
Dimensional Stability	The tolerances for dimensions / size are defined in the ETA.					EAD No. 330001-00-0602 ETA – 10/0416 Section 6.1.2 and Annexes
Reaction to fire	A1 (Steel)					EN 13501-1
Durability	Corrosivity Class	Galvanised Steel	Electro - plated steel	Sheraplex finish	Stainless Steel	ISO 9223
	C1	More than 50 years	More than 50 years	More than 50 years	More than 50 years	
	C2	More than 50 years	More than 20 years	More than 50 years	More than 50 years	
	C3	More than 20 years	More than 10 years	More than 20 years	More than 50 years	
Product identification	Each product shall be identified by way of a label affixed to each packaging of fastener assemblies as defined in the ETA.					EAD No. 330001-00-0602 ETA – 10/0416 Section 4.7.6

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:



Gordon Browning Managing Partner

BRADFORD, UK 02/02/2017

Place and date of issue