



Declaration of Performance

No. 001

Type: Hollo-Bolt®

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

System of Assessment and Verification of Constancy of Performance: System 2+

Technical Assessment Body: BM TRADA, Chiltern House,
Stocking Lane,
Hughenden Valley,
High Wycombe
Buckinghamshire
HP14 4ND

Number: 1224

Issued: ETA 10/0416 following the Requirements of CUAP No. 06.02/11

Performed: 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+

Factory Production Control Certificate Number: 1224-CPD-0208

Declared Performance:

Essential Characteristic	Performance					Harmonised technical specification
	Nominal size	Tensile resistance $F_{t,Rk}$ (kN)	Shear resistance $F_{v,Rk}$ (kN)	Material strength of sleeve (N/mm ²)		
Mechanical Resistance	M8	23.1	32.9	430		ETA - 10/0416
	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.					ETA – 10/0416
Suitability for blind fastening	The mechanical resistance, stiffness & ductility of the product and its performance during tightening are sufficient to ensure correct installation as defined in the ETA.					ETA – 10/0416
Reaction to fire	A1 (Steel)					EN 13501-1
Fire resistance	NPD					
Release of dangerous substances	NPD					
Safety in use	NPD					
Protection against noise	NPD					
Energy Economy & heat retention	NPD					
Durability	Corrosivity Class	Galvanised Steel	Electro - plated steel	Sheraplex finish	Stainless Steel	ETA – 10/0416
	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	
Serviceability	The performance of the product in service shall not be adversely affected by the forces applied to it as a fastener.					ETA – 10/0416
Product identification	Each product shall be identified by way of a label affixed to each packaging of fastener assemblies as defined in the ETA.					ETA – 10/0416

The performance of the product identified above is in conformity with the declared performance identified in the table.

Signed for on behalf of Lindapter International by:



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Gordon Browning Managing Partner

Beauford 2nd July 2013

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Place and date of issue