



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
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-CPR-0208

Declared Performance:

Essential Characteristic	Performance					Harmonised technical specification		
Mechanical Resistance	Nominal size	Tensile resistance $F_{t,Rk}$ (kN)	Shear resistance $F_{v,Rk}$ (kN)		Material strength of sleeve (N/mm ²)	ETA - 10/0416		
	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.					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						ETA – 10/0416		
	Corrosivity Class	Galvanised Steel	Electro - plated steel	Sheraplex finish	Stainless Steel			
	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:



Gordon Browning Managing Partner

BRADFORD U.K 15.10.15

Place and date of issue