

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

NA

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

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

Essential Characteristic		Harmonised technical specification							
Mechanical Resistance	Product Bolt property class		Slip resistance Fs,Rk (4 bolts) (kN) Painted* Galvanised			Tension resistance Ft,Rk	EAD No. 330080-00- 0602 ETA – 20/0918		
·					11	(4 bolts) (kN)	Section 3.1 Annex 9 & 10		
	AF12	8.8	12		14	136	Alliex 9 & 10		
	AF16	8.8	25		30	214			
	AF20	8.8	50		60	460			
	AF24	8.8	80		96	700			
	AF12	10.9	16	1	20	160			
	AF12	10.9	42		44	284			
	AF20	10.9	75		90	520			
	AF24	10.9	110		140	750			
Allowable maximum forces for tension resistance for dynamic loading Allowable maximum forces for tension (k=0) Design resistance in tension for dynamic loading									
	Numb			Design resistances $F_{t,Rd}$ (tension) per 4 bolt connection (Property class 8.8)					
	from	up to	AF12 (kN)	AF16 (kN)	AF20 (kN)	AF24 (kN)			
		1 x 10 ⁴	108.00	171.00	368.00	560.00			
	1 x 10 ⁴	2 x 10 ⁴	78.26	145.75	227.44	327.70			
	2 x 10 ⁴	6 x 10 ⁴	54.26	101.05	157.69	227.20			
	6 x 10 ⁴	2 x 10 ⁵	36.32	67.65	105.57	152.10	·		
	2 x 10 ⁵	6 x 10 ⁵	25.19	46.91	73.20	105.46			
	6 x 10 ⁵	2 x 10 ⁶	16.86	31.40	49.00	70.60			
	2 x 10 ⁶	5 x 10 ⁶	14.43	23.14	36.11	52.03			
	5 x 10 ⁶	1 x 10 ⁷	10.81	20.13	31.42	45.27			
	1 x 10 ⁷	1 x 10 ⁸	9.41	17.53	27.35	39.41			
	Greater than	1 x 10 ⁸	6.82	12.70	19.83	28.56			
Dimensional Stability	The tolera	EAD No. 330080-00- 0602 ETA – 20/0918 Annex 3							
Reaction to fire	A1 (Steel)						EN 13501-1		

Durability				ISO 9223	
•	Corrosivity Class	Galvanised Steel	Galvanised Steel		
	C1	More than 50 years			
	C2	More than 50 years			
	C3	More than 20 years			
Product identification	Each product shall be each packaging of fa	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