

## DECLARATION OF PERFORMANCE

No. DoP-2014-12-001

1. Unique identification code of the product-type:

**EN 15048-1 Non-preloaded structural bolting assemblies**

- **Hexagon structural bolt, nut, washers (EN 15048-1)**

2. Intended use/es:

**For structural connectors in structural metallic works**

3. Manufacturer:

**KPF**

**50, Chungjusandan 5-ro, Chungju-si, Chungcheongbuk-do, Korea, 380-250**

• TEL : 82-43-849-1343 • FAX : 82-43-849-1233

• URL : [www.kpf-global.com](http://www.kpf-global.com) • E-mail: [hikim@kpf.co.kr](mailto:hikim@kpf.co.kr)

4. Authorised representative:

**N/A**

5. System/s of AVCP

**System 2+**

6a. Harmonised standard:

**EN 15048-1:2007**

Notified body/ies:

**Notified Body number : 1020**

**TECHNICKY A ZKUSEBNI USTAV STAVEBNI PRAHA s.p.**

**Address: Prosecka 811/76a 190 00 PRAHA 9, Czech Republic**

6b. European Assessment Document: **N/A**

European Technical Assessment: **N/A**

Technical Assessment Body: **N/A**

Notified body/ies: **N/A**

7. Declared performance/s:

Essential characteristics		Performance	Harmonised technical specification
Bolt	Yield Strength	660 N/mm <sup>2</sup>	EN 15048-1 : 2007
	Tensile Strength	830 N/mm <sup>2</sup>	
	Elongation	12%	
	Impact strength	125.9J	
	Wedge Tensile Load	140,421 N	
	Load of Proof Load	91,000 N	
	Elongation of Proof Load	2 μm	
	Hardness	HRC 29	
Nut	Hardness	HV 295	
	Proof Load	138,200 N	
Washer	Hardness	HV 192	
Set	Assembly Tension Test	130,000N	

8. Appropriate Technical Documentation and/or Specific Technical Documentation:  
N/A

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

[name] Yong-seo, Kim

At [place] Chungju-City, Korea

on[date of issue] 05<sup>th</sup> Dec. 2014

[signature]

