

Declaration of Performance (DoP)

in acc. with EU-regulation 305/2011. Annex III
No. 0370-CPR-2238



1. Unique identification code of the product type

EN 15048-1

2. Type, batch or serial number

Non-preloaded structural bolting assemblies
Bolting assemblies lot number: See the label

3. Intended use

Non-preloaded structural bolting assemblies
Bolt connections are able to be shear and/or tensile loaded

4. Contact address

SHINJIN FASTENERS CO., LTD.
87-2 YONGWON 4-GIL, SEONGNAM-MYEON, DONGNAM-GU, CHEONAN-SI,
CHUNGCHEONGNAM-DO, 330-891, REPUBLIC OF KOREA

5. Contact address of the authorized representative

NPD

6. Quality rating system

System of assessment and verification of constancy of performance of the construction product as set out in Annex V:
System 2+

7. Notified body

The supervision of our own production control is effected as per the certificate No. 0370-CPR-2237, issued by the notified body 0370
LGAI TECHNOLOGICAL CENTER, S. A./Applus
Campus UAB, Apto Correos 18 08193 BELLATERRA (Barcelona) Spain

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8. Declared performance

Essential characteristics	Performance	Harmonized technical specification
Bolts		EN 15048-1:2007
Tolerances on dimensions, form and position	EN ISO 4759-1 For $d \leq 24$ mm and $l \leq 10 d$ or 150 mm : A For $d > 24$ mm or $l > 10 d$ or 150 mm : B	
Percent elongation after fracture	EN ISO 898-1	
Minimum tensile strength		
Stress at 0,2 % non-proportional elongation		
Stress under proof load		
Strength under wedge loading		
Hardness		
Impact strength		
Release of dangerous substances		
Durability	NPD	
Nuts		
Tolerances on dimensions, form and position	EN ISO 4759-1 $d \leq 16$ mm : A $d > 16$ mm : B	
Stress under proof load	EN 20898-2	
Hardness		
Release of dangerous substances	NPD	
Durability	NPD	
Washers		
Tolerances on dimensions, form and position	EN ISO 4759-3 Product grade B	
Hardness	EN ISO 7089	
Release of dangerous substances	NPD	
Durability	NPD	
Assemblies		
Tensile resistance of the assembly	$F_{bi \max} \geq F_{ub}$	
Durability	NPD	

9. Product performance corresponds to declared performance

The performance of the products identified in no.1 and no.2 is in conformity with the declared performance in no.8.
This declaration of performance is issued under the sole responsibility of the manufacturer identified in no.4.

Signed for and on behalf of the manufacturer by:
CHEONAN-SI, REPUBLIC OF KOREA
23rd October 2016

Head of Quality & Chief Technology Officer