

CERTIFICATE OF CONFORMITY OF FACTORY PRODUCTION CONTROL

1239/CPR/0806802

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 laying down harmonised conditions for the marketing of construction products, it's certified that the

Construction product: **Non-preloaded structural bolting assemblies.**

Scope of Certification: **see Annex**

Provided and produced by: **JESUS OÑATE, S.A.
Larrasoloeta, nº 8
48200 DURANGO (Bizkaia) SPAIN**

Is subject to a factory production control and to the inspection of samples in accordance to a prescribed test plan by the manufacturer, and that the Notified Body CERTINALIA, S.L.U. has carried out initial type tests for all relevant characteristics of the product, as well as the initial inspection of the factory and FPC, and the continuous surveillance, assessment and approval of FPC.

This certificate shows compliance with all regulations applicable to the conformity assessment in the Annex ZA of the standard

EN 15048-1:2007

and that the product meets the minimum requirements applicable.

System of assessment and verification of constancy of performance: **SYSTEM 2+**

Issued on: **27/09/2013**
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Carlos Nazabal Alsua
Manager

This document allows the manufacturer to fix the CE mark.
This certificate may be modified, temporarily suspended and withdrawn by CERTINALIA.
The validity of this certificate can be checked through consultation in www.certinalia.com.



ANNEX CERTIFICATE OF CONFORMITY OF FACTORY PRODUCTION CONTROL

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Construction product:

Non preloaded bolt connections for steel structure:

- Metrics: M8, M10, M12, M14, M16, M18, M20, M22, M24, M27 and M30
- Coatings: Galvanize (tZn), Geomet (fZn) and Black finish

| Assemblies | | | | |
|--|---------------|----------|------------------------|--|
| BOLTS | | | | |
| – Dimensions: According to EN ISO 4017:2014 (bolts with full length thread). Class A and B | | | | |
| According to EN ISO 4014:2011 (bolts with partial thread). Class A and B | | | | |
| NUTS | | | | |
| – Dimensions: According to EN ISO 4032:2012, Class A and B | | | | |
| WASHERS | | | | |
| – Dimensions: According to EN ISO 7089:2000, Class A (200 and 300 HV) | | | | |
| According to EN ISO 7091:2000, Class C (100 HV) | | | | |
| According to EN ISO 7093-1:2000, Class A (200 and 300 HV) | | | | |
| POSSIBLE COMBINATIONS | | | | |
| Carbon steel and alloy steel assemblies | | | | |
| Bolts | Nuts | Washers | Assemblie | |
| Quality class | Quality class | Hardness | Tensile strength | |
| 5.8 | 8 | 200 HV | 520 N/mm ² | |
| 8.8* | 8 y 10 | 100 HV | 830 N/mm ² | |
| 8.8* | 8 y 10 | 200 HV | 830 N/mm ² | |
| 8.8 | 8 y 10 | 300 HV | 830 N/mm ² | |
| 10.9* | 10 | 100 HV | 1040 N/mm ² | |
| 10.9 | 10 | 300 HV | 1040 N/mm ² | |

(*) It is not valid for unions of one single overlap with a bolt or one line of bolts. (see apt. 3.6.1 of the standard EN 1993-1-8:2005)

