

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 y Hnos., 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 TECNALIA R&I CERTIFICACION S.L. 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+



  
Carlos Nazabal Alsua  
Manager

Issued on: **27/09/2013**  
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This document allows the manufacturer to fix the CE mark.

This certificate may be modified, temporarily suspended and withdrawn by TECNALIA R&I CERTIFICACION.

The validity of this certificate can be checked through its QR code or through consultation in [www.tecnaliacertificacion.com](http://www.tecnaliacertificacion.com).

ANNEX  
CERTIFICATE OF CONFORMITY  
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**Construction product:**

Non preloaded bolt connections for steel structure.

**ASSEMBLIES**

**BOLTS**

- Metric: M10 to M30 ( M10, M12, M14, M16, M18, M20, M22, M24, M27 and M30)
- Dimensions: According to EN ISO 4014:2011, Class A and B  
According to EN ISO 4017:2014, Class A and B

- Quality / Material / Standard:

Quality	Material	Standard
5.8	C26D	EN ISO 16120-2:2011
8.8	30MnB4	EN 10263-4:2001
10.9	41CrS4	

- Endings: Galvanize, Dracomet and Black finish

**NUTS**

- Metric: M10 to M30 ( M10, M12, M14, M16, M18, M20, M22, M24, M27 and M30)
- Dimensions: According to EN ISO 4032:2012, Class A and B
- Quality / Material / Standard:

Quality	Material	Standard
8	C35	EN 10083-2:2006
10	C45	

- Endings: Galvanize, Dracomet and Black finish

**WASHERS**

- Metric: M10 to M30 ( M10, M12, M14, M16, M18, M20, M22, M24, M27 and M30)
- Dimensions: According to EN ISO 7089:2000, Class A  
According to EN ISO 7093-1:2000, Class A
- Hardness / Material / Standard:

Hardness	Material	Standard
200 HV	C12D	EN ISO 16120-2:2011
300 HV	C35	EN 10083-2:2006

- Endings: Galvanize, Dracomet and Black finish

**Possible combinations**

Carbon steel and alloy steel assemblies

Bolts	Nuts	Washers	Assemble
Quality class	Quality class	Hardness	Tensile strength
5.8	8	200 HV mín.	520 N/mm <sup>2</sup> mín.
8.8	8	200 HV mín. (*)	830 n/mm <sup>2</sup> mín
8.8	8 and 10	300 HV mín.	830 N/mm <sup>2</sup> mín.
10.9	10		1040 N/mm <sup>2</sup> mín.

(\*) 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)