CHAVESBAO
Lontana group

DECLARATION OF PERFORMANCE

Nº CHB-SB-001

Acc.EU Nº305/2011

1. Unique identification code of the product-type:

See batch indicated on delivery note issued by Chaves Bilbao S.L.

Product range: Bolt: ISO 4014 M(8-36)X(25-200) [8.8]- SB (HDG, BZP).
Nut: ISO 4032 M(8-36) [8] – SB (HDG, BZP).

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

EN 15048 8.8 ZINC PLATED- ISO 4014+ISO 4032
EN 15048 8.8 HDG OVERSIZED- ISO 4014+ISO 4032

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical spècification, as foreseen by the manufacturer:

Metallic structural works

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

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

6. Factory production control certification body notified nº 2449 (VERUS Certification) that has carried out the initial inspection of the factory and the CPF, the permanent monitoring, evaluation and supervision of the CPF, and has issued the certificate of conformity of the CPF.

2449/CPR/AC-JW09

7. Declared performance

Mechanical characteristics of the bolts.

Mechanical characteristics	Applicable standard for the property class
	Carbon steel or alloy steel 8.8
Elongation before break	EN ISO 898-1
Minimum tensile strength	EN ISO 898-1
Lower yield strength or conventional yield strength at 0,2%	EN ISO 898-1
Stress under proof load	EN ISO 898-1
Resistance under wedge load	EN ISO 898-1
Hardness	EN ISO 898-1

Minimum impact resistance of the bolts

Characteristics	Property class
	Carbon steel and alloy steel
	8.8
Impact resistance K_v,min at -20ºC	$27J_a$
Impact resistance K_v,min at +20ºC	-
a) In measurements less than d16 does not apply.	

Nuts

Mechanical characteristics	Applicable standard for the property class
	8
Stress under proof load	ISO 898-2
Hardness	ISO 898-2

Tensile strength of the sets bolt/nut of carbon steel

Thread	Nominal stress area $A_{s, nom}$ mm²	Property class
		8.8
		Minimum tensile strength ($A_{s, nom}$ x $R_{m, min}$), N
M8	36,6	29 200
M10	58	46 400
M12	84,3	70 000
M14	115	95 500
M16	157	130 000
M18	192	159 000
M20	245	203 000
M22	303	252 000
M24	353	293 000
M27	459	381 000
M30	561	466 000
M33	694	576 000
M36	817	678 000

8. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Beatriz Andújar
Quality and Environment Manager

25th March, 2026, Larrabetzu.