

DECLARATION OF PERFORMANCE

1. Unique identification code of the product-type: VIPA Spa structural connector described in EN 15048-1

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): Type and lot number displayed on the packaging and 3.1 Inspection Certificate EN 10204

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

Generic Type and use	Non preloaded structural bolting assemblies
Product size covered	M12 ÷ M36
Base and fastened material	Steel specified in ISO 898-1 and ISO 898-2
Base and material condition	Heat treatment
Fastener head type	Hexagonal head bolts and nuts
Fastener – coating electrolytical zinc plated / HDG. Thread type	Screw threads after coating are in tolerance 6h. Nut threads are in tolerance 6H.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): VIPA Spa Fasteners, 42047 ROLO (RE) ITALY

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. Declared performance

Essential characteristics		Performance	Harmonized Standard	Standard and Technical Specification
Tolerance on dimension and shape		Tolerance class A	EN 15048-1	ISO 4014 ISO 4017 ISO 4032
Tensile strength (N/mm ²)		Min. 830	EN 15048-1	ISO 898-1
Elongation after fracture (%)		Min. 12	EN 15048-1	ISO 898-1
Stress at 0,2% non proportional elongation (N/mm ²)		Min. 660	EN 15048-1	ISO 898-1
Stress under proof load (N/mm ²)		Min. 600	EN 15048-1	ISO 898-1
Tensile strength under wedge loading (N/mm ²)		Min. 830	EN 15048-1	ISO 898-1
Hardness (HV)		255 – 335	EN 15048-1	ISO 898-1
Impact strength Kv -20°C (J)		Min. 27	EN 15048-1	EN 10045-1
NUTS	Stress under proof load (N/mm ²)	Min. 920	EN 15048-1	ISO 898-2
	Hardness (HV)	≤ Ø16: 200 – 302 > Ø16: 233 – 353	EN 15048-1	
ASSEMBLY	Tensile strength (N/mm ²)	Min. 830	EN 15048-1	ISO 898-1
Electroplated fasteners		For dry internal use only	EN 15048-1	ISO 4042
Hot dip galvanized fasteners		NPD	EN 15048-1	ISO 1461
Dangerous substance		NPD	EN 15048-1	-



**UNI EN ISO
9001:2015
CERTIFIED**



EU directive according to Construction Product Regulation EU 305/2011, Decision 98/214/EC is applicable. We hereby certify that the products – bolts to ISO 4014/4017 grade 8.8 and nuts EN ISO 4032 grade 8 delivered are produced according to the Production Control.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 6.

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

The authorized representative of VIPA Spa

VIPA Spa
Quality System Manager
Wilson Poppi

A handwritten signature in black ink, appearing to read 'Wilson Poppi', is written over the printed name.