DECLARATION OF PERFORMANCE - CPR 305/2011-EU

N° 2021-02HVCE

1. Unique identification code of the product-type**:**
HV CE - EN *14399-1 – High strength structural bolting assemblies for preloading- Part 1: General requirements*

2. Type, batch, serial number or any other element allowing identification of the construction product as required under Article 11(4): **MARVIT – HV – CE - 10.9**

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

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

MARVIT FASTENERS S.r.l. Via Galvani N. 29 - 36066 SANDRIGO VI - ITALY

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)

NOT RELEVANT

6.System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V: ***SISTEM 2+***

7. In case of declaration of performance concerning a construction product covered by harmonised standard: ***IMK -Slovenia N.1647 performed the initial inspection of the manufacturing plant and of production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control N. 1647 – CPR – 0054.***

8. Declared performance:

Essential charcteristics	**Performance**	**Harmonised technical specification**
Tolerance on dimensions,forms and position (bolt)	Product grade C (EN 14399-4)	**EN 14399-1:2015**
Percent elongation after fracture (bolt)	A% ≥ 9	
Minimum tensile strength (bolt)	Rm ≥ 1040 MPa	
Stress at 0,2%non proportional elongation (bolt)	$Rp_{0,2}$ ≥ 940 Mpa	
Stress under proof load (bolt)	Sp of 830 MPa	
Tensile strength under wedge loading (bolt)	Rm ≥ 1040 MPa	
Hardness (bolts)	≥ 320 HV and ≤ 380 HV	
Impact strength (bolt)	Kv ≥ 27 J at -20°C	
Friction coeffcient (K class)	K1 – K2	
Release of dangerous substances (bolt)	CPR 305/2011/EU Reach,RoHs	
Durability (bolt)	NDP	
Tolerance on dimensions,forms and position (nut)	Grade B (EN 14399-4)	
Stress under proof load (nut)	Pass	
Hardness (nut)	Pass	
Release of dangerous substances (nut)	CPR 305/2011/EU Reach,RoHs	
Durability (nut)	NPD	
Tolerance on dimensions,forms and position (washer)	Grade A (EN 14399-6)	
Hardness (washer)	≥ 300 HV and ≤ 370 HV	
Release of dangerous substances (washer)	CPR 305/2011/EU Reach,RoHs	
Durability (washer)	NPD	
Suitability for preloading (assembly)	EN 14399-1, EN 14399-2, EN14399-4 Fbi max≥0,9 fub As ΔΘ2: pass Kclass : K1 – K2	
Durability (assembly)	NPD	

9. The performance of the product identified in points 1 and 2 is in conformance with the declared performance in point 8. 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:

MARVIT FASTENERS – Quality Responsible

Sandrigo (VI) 24/08/2026

