

DECLARATION OF PERFORMANCE

1. Unique identification code of the product-type: Mecanica Sighetu structural conector, described in EN 15048-1:2007 and the Mecanica-Sighetu specification ST 02.
2. Type, batch or serial number identification of the construction product: Type and Lot-Number displayed on the packaging and 3.1 Inspection Certificate EN10204 No. 2765_2 / 07.07.2020.
3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

Generic type and use	Non preloaded structural bolting assemblies
Product size covered	M10 - M27
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 hot dip galvanized. Thread type	Screws manufactured with threads undersized tolerance 6az before coating HDG. Nuts in tolerance position H after coating
Fastener- coating electrolitical zink plated. Thread type	Screws threads after coating in tolerance 6h. Nuts in tolerance position H

4. Name, registered trade name and contact address of the manufacturer: **SC Mecanica Sighetu SA**, 435500 Sighetu Marmatiei, Unirii street, No.44, Maramures, Romania

5. System or systems of assessment and verification of constancy of performance of the construction product: **System 2+**

6. Declaration performance:

Declaration of Performance			Harmonized technical specification	Additional technical specification	
Essential characteristics	Performance				
	Class 8.8 <M12	Class 8.8 ≥M12	EN 15048-1:2007		
Tolerance on dimension and shape	Tolerance class A				
Tensile strength R _m [MPa]	min.800	min.830			
Elongation after fracture [%]	min.12	min.12			
Stress at 0.2% nonproportional elongation R _{p0.2} [MPa]	NPD	NPD			
Stress under proof load S _p [MPa]	NPD	NPD			
Tensile test under wedge loading [MPa]	min.800	min.830			
Hardness HB	245-316	250-331			
Rezilienta Kv -20 ^o C [J]	min.27	min.27			
NUTS	Stress under proof load[MPa]	880			920
	Hardness HV	200-302			233-353
ASSEMBLY	Tensile strength [MPa]	min.800			min.830
		EN 15048-2:2007			
Electroplated fasteners		For dry internal use only			
Hot dip galvanized fasteners		C3-Interior :High humidity ,some air pollution Exterior:Urban inland or mild costal			
Dangererous substance		NPD			

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 4014:2011; ISO 4017:2011 grade 8.8 and nuts EN ISO 4032:2012 grade 8** - delivered with invoice no . 2765/ 07.07.2020 on, are produced according to the specifications in the appendix **ZA of the EN 15048-1** and statements on the Certificate of Factory Production Control no.**2174-CPR-665**, issued by Certind SA Bucuresti, notified authority.

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 representant of S.C. Mecanica Sighetu. S.A.

Sighetu Marmatiei 07.07.2020



eng. Brenner Zoltan
Quality Controller

