

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. 2580-2 / 31.01.2020.
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:

Essential characteristics	Performance		Harmonized technical specification	Additional technical specification	
	Class 8.8 <M12	Class 8.8 ≥M12			
Tolerance on dimension and shape	Tolerance class A		EN 15048-1:2007	ISO 4014:2011; ISO 4017:2014 ISO 4032:2012	
Tensile strength R_m [MPa]	min.800	min.830		ISO 898-1:2013	
Elongation after fracture [%]	min.12	min.12		ISO 898-1:2013	
Stress at 0.2% nonproportional elongation $R_{p0.2}$ [MPa]	NPD	NPD		ISO 898-1:2013	
Stress under proof load S_p [MPa]	NPD	NPD		ISO 898-1:2013	
Tensile test under wedge loading [MPa]	min.800	min.830		ISO 898-1:2013	
Hardness HB	245-316	250-331		ISO 898-1:2013	
Rezilienta Kv -20°C [J]	min.27	min.27		-	
NUTS	Stress under proof load [MPa]	880		920	ISO 898-2:2012
	Hardness HV	200-302		233-353	ISO 898-2:2012
ASSEMBLY	Tensile strength [MPa]	min.800		min.830	-
		EN 15048-2:2007		-	
Electroplated fasteners	For dry internal use only			ISO 4042:1999	
Hot dip galvanized fasteners	C3-Interior :High humidity ,some air pollution Exterior:Urban inland or mild costal			EN ISO 10684:2004	
Dangerous 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 . 2580 /31.01.2020 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 31.01.2020



eng. Brenner Zoltan
Quality Controller

