

## 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 EN 10204 no.368/03.11.2017
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 coting
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 Marmației, Unirii street, No.44, Maramureș, 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
		Class 4.6		
Tolerance on dimension and shape		Tolerance class C		DIN 7990:2008
Tensile strength [N/mm <sup>2</sup> ]		min.400		ISO 898-1:2013
Elongation after fracture [%]		min.22		ISO 898-1:2013
Lower yield strength, R <sub>eL</sub> [N/mm <sup>2</sup> ]		NPD		ISO 898-1:2013
Stress under proof load [N/mm <sup>2</sup> ]		NPD		ISO 898-1:2013
Tensile test under wedge loading [N/mm <sup>2</sup> ]		min.400		ISO 898-1:2013
Hardness HB		114-209		ISO 898-1:2013
Rezilianta Kv -20°C [J]		-		EN 15048-1:2007
NUTS	Stress under proof load[N/mm <sup>2</sup> ]	610 ≤M16	630 >M16	ISO 898-2:2012
	Hardness HV	130-302	146-302	ISO 898-2:2012
ASSEMBLY	Tensile strength [N/mm <sup>2</sup> ]	min.400		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
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 DIN 7990:2008 grade 4.6 and nuts EN ISO 4032:2012 grade 5** - delivered with invoice no 1608/03.11.2017 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 Marmației 03.11.2017



eng. Piroska Daroczi  
Quality Controller

