



BUILDING RESEARCH INSTITUTE - CERTIFICATION COMPANY Ltd.

Authorized and Notified Body Certification Body for Products, Qualification, EPD and Quality Buildings Testing Laboratory

Certification Body for Management Systems

issues

CERTIFICATE

No. 3013P-24-0051

CONSTRUCTION OF STEEL STRUCTURES ACCORDING TO ČSN EN 1090-2:2019, SPECIFIC REQUIREMENTS OF TKP 19, STATE RAILWAY BUILDINGS AND TKP CHAPTER 19, CONSTRUCTION OF ROADS MD CR, INCLUDING PRODUCTION, ASSEMBLY AND IMPLEMENTATION FOR CONSTRUCTION CLASS

EXC3

Manufacturer:

Maeg Costruzioni S.p.A.

ID: 03030960268

Company address:

Via G. Toniolo, 40 - 31028 Vazzola (TV), Italia

Production plant:

Via del Lavoro, 52 - 31013 Cimavilla di Codogne' (TV)

Via Moret, 13 - 33070 Maron di Brugnera (PN)

Via Comun, 7 - 31013 Codogne' (TV)

Via della Braida, 5 - 33070 Budoia (PN)

Identification and scope of certified process

Implementation of steel welded structures up to and including execution class EXC3, according to ČSN 1090-2:2019 of steels of groups 1.1, 1.2, 1.3, 1.4 and 3.1 according to TNI CEN ISO/TR 15608 by welding methods 111, 121, 135, 136, 138 and 785 according to ČSN EN ISO 4063:2011 in the scope: shearing, thermal cutting, flame straightening, drilling, welding, mechanical fastening, assembly, surface treatment.

Certification body for products, processes, classification and EPD accredited by the Czech Institute for Accreditation, o.p.s. according to ČSN EN ISO/IEC 17065:2013, reviewed the documents submitted by the manufacturer, checked the production and assembly process at the place of production and execution and found and certified that the procedures for the execution of steel structures are in accordance with the requirements set out in ČSN EN 1090-2:2019 and specific requirements of the Railway Administration, state organizations and SŽ for the implementation of railway steel bridges according to chapter 19 TKP of state railway constructions - Steel bridges and structures and specific requirements of the Ministry of Transport of the Czech Republic, Department of Infrastructure, for the implementation of steel road bridges according to chapter 19 of TKP - Steel bridges and structures - part A, B.

The Certificate is issued on the basis of the Certification Report No. P-3013P-24-0051 of the 12th February 2024.

The validity of the Certificate is tied to the fulfillment of the conditions specified in the certification protocol and positive findings of regular supervisions.

Frequency of supervision above the certified process for implementation of steel structures is specified once a year at least.

The certification scheme of type VUPS-4/6, based on the type of certification scheme No. 6 according to ČSN EN ISO/IEC 17067:2014, is based on the audit of the production, assembly and implementation management system.

Annexes No.1, No.2 and No.3 specifying the scope of its scope are an integral part of this Certificate.

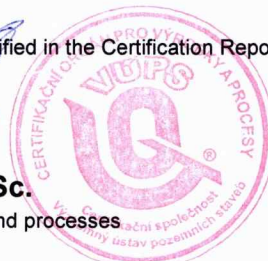
Date of issue: 12th February 2024

Validity till: 11th February 2027 connected to fulfilment of conditions specified in the Certification Report



Ing. Lubomír Keim, CSc.

Manager of Certification Body for products and processes



Issue: 1

Výzkumný ústav pozemních staveb - Certifikační společnost, s.r.o. 102 00 Praha 10 - Hostivař, Pražská 810/16

At: 24004

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ANNEX NO. 1

To the Certificate No. 3013P-24-0051

PRODUCTION PROCESS SPECIFICATION OF IMPLEMENTATION OF STEEL STRUCTURES ACCORDING TO EN 1090-2 INCLUDING PRODUCTION AND ASSEMBLY

Manufacturer:	Maeg Costruzioni S.p.A.	Version class:	EXC3
Steel structures groups:	<ul style="list-style-type: none">- unspecified railway and road bridges and structures similar to bridges- railway bridges and road bridges within the Enclosure no.2- surface building structures stressed statically and dynamically- pipe structures		
Mechanical joints:	<ul style="list-style-type: none">- bolt joints with non-pre-stressed bolts- bolt joints with pre-stressed bolts		
Welding::	Welding method according to ČSN EN ISO 4063:	Material group according to TNI CEN ISO/TR 15608 thickness (BM):	
	111	1.4 (BW 30-120, FW \geq 5)	
	121	1.1, 1.2 (BW 5-100, FW \geq 5); 1.3 (BW 30-120, FW \geq 5); 1.4 (BW 6-90; FW \geq 5); 3.1 (BW 6-60, FW \geq 5)	
	135/138	1.1, 1.2 (BW 3-120, FW \geq 5); 1.3 (BW 15-160, FW \geq 5); 1.4 (BW 3-80; FW \geq 5); 3.1 (BW 4-100, FW \geq 5)	
	136	1.1, 1.2 (BW 3-100, FW \geq 5); 1.3 (BW 15-80, FW \geq 5); 1.4 (BW 5-90; FW \geq 5); 3.1 (BW 15-60, FW \geq 5)	
783	1.1, 1.2, 1.3 (\emptyset 19+25); 1.4 (\emptyset 16+25); 3.1 (\emptyset 19+25)		
Quality in process of welding:	The Manufacturer is a holder of the Quality certificate for fusion welding of metals according to ČSN EN ISO 3834-2. Fulfilment of requirements for quality in welding according to EN ISO 3834-2:2022 is shown in the Certificate No. 2/IT/075-Rev.11 of 04 th December.2023, valid until 26 th November 2024; ANBCC: IIS CERT srl.		
Quality management system:	The Manufacturer is a holder of the Quality management system certificate according to ČSN EN ISO 9001. Fulfilment of requirements for quality to EN ISO 9001:2015 is shown in the Certificate No. IT14/0644.00 of 01 th September 2022, valid until 04 th September 2024; SGS ITALIA S.p.A.		
Options of handling in production and assembly:	For production and assembly: max. weight of part: 85 t, max. length of part: 50 m		
Methods of assembly:	Assembly of components by welding, by mechanical connecting. Execution of assembly by direct mounting, sliding out, flying assembly.		
Surface finish:	Preparation stage P1, P2, P3 for corrosion categories C1, C2, C3, C4, C5, CX is carried out.		

Welding supervision for workshop production:	PAVAN Alberto	IT/IWE/170063A
Supervisor 's representative for workshop production:	ORFANO Alberto	CSWIP 412788



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Manager of Certification Body for products and processes



Issue: 1

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ANNEX No. 2

To the Certificate No. 3013P-24-0051

**SPECIFICATION OF THE MANUFACTURING PROCESS OF STEEL
STRUCTURES ACCORDING TO ČSN EN 1090-2:2019,
INCLUDING PRODUCTION AND ASSEMBLY ACCORDING TO THE
SPECIFIC REQUIREMENTS OF TKP 19 OF STATE RAILWAY
BUILDINGS AND TKP CHAPTER 19, CONSTRUCTION OF ROAD,
STEEL BRIDGES AND STRUCTURES**

Manufacturer:	Maeg Costruzioni S.p.A.	Version class:	EXC3
ČSN 73 2603	Steel Bridge Structure – Complementary Specification for Execution, Quality Control and Inspections		
TKP 19 Issued by SŽDC	Technical qualitative conditions of state railway buildings – Chapter 19 Steel bridges and structures		
Chapter 19 TKP Issued by MD-OPK	Technical qualitative conditions of surface roads Chapter 19 TKP – Steel bridges and structures - Part A, B		
Groups of steel structures of railway bridges and accessories:	- the main supporting parts of the bridge - temporary bridges - supporting parts, including stiffeners		

The manufacturer has a system in place to correctly assess the specific requirements of the designer **for the EXC4 design class** and is competent to take appropriate action when manufacturing and assembling steel structures.



Issue: 1
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ANNEX No. 3

To the Certificate No. 3013P-24-0051

SPECIFICATION OF THE ASSEMBLY PROCESS ACCORDING TO ČSN EN 1090-2:2019 AND ČSN 73 2603:2011

Manufacturer:	Maeg Costruzioni S.p.A.	Version class:	EXC3
General:	The company has introduced and maintained the steel structures assembly control: - assembly procedures during production and assembly are documented - regular controls and tests during assembly are carried out - procedure for dealing with nonconformity is documented		
Device:	The company has appropriate facilities for assembly: - device for welding on assembly by method 111, 135, 136, 138, 783 - handling equipment (cranes, sliding device)		
Control and testing:	The company performs control and testing during assembly process: - control and testing procedures are documented - control and testing procedure is performed according to a predetermined plan - conclusive evidences and records of controls and tests are maintained		
Measuring and monitoring equipment:	The company has adequate measuring and monitoring device: - list of measuring and monitoring device is kept and maintained - metrological accuracy (verification and calibration) is ensured and records are kept - torque wrench for tightening of prestressed screws is available		
Control of nonconforming product of supplier:	The company has introduced system of nonconformity control during assembly: - procedure of handling with nonconforming products in assembly process is documented - records of nonconforming products are maintained and kept for a specified period		




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