



BUILDING RESEARCH INSTITUTE - CERTIFICATION COMPANY Ltd.
Authorized and Notified Body Certification Body for Management Systems and Quality Buildings Testing Laboratory
Certification Body No. 3013 for Products, Qualification and EPD accredited by CAI

Issues

CERTIFICATE

No. 3013P-21-0042

IMPLEMENTATION OF STEEL STRUCTURES ACCORDING TO ČSN EN 1090-2, SPECIFIC REQUIREMENTS OF TKP 19 SŽDC AND CHAPTER 19 OF TKP MD ČR INCLUDING PRODUCTION FOR THE VERSION CLASS

EXC3

Manufacturer:

Maeg Costruzioni S.p.A.

ID: 03030960268

Company address:

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

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

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

Production plant:

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.

The certification body for products and production processes accredited by Český institut pro akreditaci, o.p.s. (Czech institute for accreditation) reviewed the documents submitted by the manufacturer, checked the production and assembly processes in the place of production and installation and certifies that methods of steel structures implementation are in compliance with the requirements specified in ČSN EN 1090-2:2019 with concretization of requirements of Správa železniční dopravní cesty - SŽDC (Management of railway traffic roads) for implementation of railway steel bridges according to the Chapter 19 TKP of the state railways buildings - Steel bridges and structures and specific requirements of the Czech Department of Transport, the division of infrastructure for implementation of steel road bridges according to Chapter 19 TKP - Steel bridges and structures - Part A, B.

The Certificate is issued on the basis of the Certification Report No. P-3013P-21-0042 ze dne 12.02.2021.

Validity of this Certificate is connected with fulfilment of conditions stated in the Certification Report and positive findings / observations of regular supervisions.

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

Certification body certification scheme 5 includes: selection; determination, including an initial assessment of the process of execution of steel structures; a review including verification of the results of the determination; certification of the process of execution of steel structures; supervision by assessing the process of execution of steel structures. (Using scheme 5 according to ČSN EN ISO / IEC 17067: 2014).

Enclosures nos. 1, 2 and 3 specifying the scope of its operation form an integral part of this Certificate.

Date of issue: 12th February 2021

Validity till: 11th February 2024 connected to fulfilment of conditions specified in the Certification Report



Ing. Lubomír Keim, CSc.

Manager of Certification Body for products and processes



Issue: 1
At: 20058

Výzkumný ústav pozemních staveb - Certifikační společnost, s.r.o. 102 21 Praha 10 - Hostivař, Pražská 810 / 16
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3013-CZ-00021-PP-SC-10001



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ENCLOSURE NO. 1

To the Certificate No. 3013P-21-0042

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 ≥ 5)	
	121	1.1, 1.2 (BW 5-100, FW ≥ 5); 1.3 (BW 30-120, FW ≥ 5); 1.4 (BW 6-90; FW ≥ 5); 3.1 (BW 6-60, FW ≥ 5)	
	135/138	1.1, 1.2 (BW 3-120, FW ≥ 5); 1.3 (BW 15-160, FW ≥ 5); 1.4 (BW 3-80; FW ≥ 5); 3.1 (BW 4-100, FW ≥ 5)	
	136	1.1, 1.2 (BW 3-100, FW ≥ 5); 1.3 (BW 15-80, FW ≥ 5); 1.4 (BW 5-90; FW ≥ 5); 3.1 (BW 15-60, FW ≥ 5)	
	783	1.1, 1.2, 1.3 (Ø 19+25); 1.4 (Ø 16+25); 3.1 (Ø 19+25)	
Quality in process of welding:	<p>The Manufacturer is a holder of the Quality certificate for fusion welding of metals according to ČSN EN ISO 3834-2.</p> <p>Fulfilment of requirements for quality in welding according to EN ISO 3834-2:2006 is shown in the Certificate No. 2/IT/075-Rev.8 of 08th November.2020, valid until 26th November 2024; ANBCC: IIS CERT srl.</p>		
Quality management system:	<p>The Manufacturer is a holder of the Quality management system certificate according to ČSN EN ISO 9001.</p> <p>Fulfilment of requirements for quality to EN ISO 9001:2015 is shown in the Certificate No. IT14/0644.00 of 18th September 2018, valid until 04th September 2021; SGS ITALIA S.p.A.</p>		
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:	<p>Assembly of components by welding, by mechanical connecting.</p> <p>Execution of assembly by direct mounting, sliding out, flying assembly.</p>		
Surface finish:	Preparation stage P1, P2, P3 for corrosion categories C1, C2, C3, C4, C5, CX is carried out.		

Welding supervision for workshop production:	MORRONE Luca	SI/IWE/00392
Supervisor 's representative for workshop production:	ZELENKA Goran	SRB/IWE/00686



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ENCLOSURE No. 2

To the Certificate No. 3013P-21-0042

**PRODUCTION PROCESS SPECIFICATION OF STEEL STRUCTURE
IMPLEMENTATION ACCORDING TO ČSN EN 1090-2:2019 INCLUDING
PRODUCTION WITH CONCRETIZATION OF SPECIFIC REQUIREMENTS
OF SPRÁVA ŽELEZNIČNÍ DOPRAVNÍ CESTY, (RAILWAY TRANSPORT
ROAD MANAGEMENT), TKP 19 STATE RAILWAYS BUILDINGS
AND MD ČR, CHAPTER 19 TKP SURFACE ROADS,
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 ČR	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.



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ENCLOSURE No. 3

To the Certificate No. 3013P-21-0042

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: <ul style="list-style-type: none">- 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: <ul style="list-style-type: none">- 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: <ul style="list-style-type: none">- 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: <ul style="list-style-type: none">- 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 noncomormity control during assembly: <ul style="list-style-type: none">- 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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