



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-22-0146

**IMPLEMENTATION OF STEEL STRUCTURES ACCORDING TO
ČSN EN 1090-2:2019, SPECIFIC REQUIREMENTS OF
TKP CHAPTER 19 SŽDC AND CHAPTER 19 OF TKP MD ČR
INCLUDING PRODUCTION FOR THE VERSION CLASS**

EXC3

Manufacturer: **Elektrizace železnic Praha a.s.** ID: 471 15 921

Company address: nám. Hrdinů 1693/4a, 140 00 Praha 4

Vlkov 107, 594 53 Osová Bítýška

Production plants: **Semanínská 2082, 560 02 Česká Třebová**

Identification and
scope of certified
process

Execution of welded and bolted steel structures up to the execution class EXC3, inclusive, according to ČSN EN 1090-2:2019 of steel grade 1.1, 1.2 according to TNI CEN ISO/TR 15608 by welding methods 135 according to ČSN EN ISO 4063:2011 in the scope: thermal cutting, flame straightening, drilling, punching, welding, 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, Part B.

The Certificate is issued on the basis of the Certification Report No. P-3013P-22-0146 of 30th May 2022.

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 a reassessment 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).

Annex No.1, 2 and 3 specifying the scope of its operation form an integral part of this Certificate.

Date of issue: 30th May 2022

Validity till: 29th May 2025 and is connected to fulfilment of conditions specified in the Certificate Report



Ing. Lubomír Keim, CSc.

Manager of Certification Body for products and processes



Issue: 1
At: 19109/4

Výzkumný ústav pozemních staveb - Certifikační společnost, s.r.o. 102 21 Praha 10 - Hostivař, Pražská 810 / 16
Id.No.:25052063 Tax Id.No.: CZ25052063 Tel.: +420 271 751 148, Fax: +420 281 017 241; E-mail: info@vups.cz www.vups.cz

**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**ANNEX No.1****To the Certificate No. 3013P-22-0146****PRODUCTION PROCESS SPECIFICATION OF IMPLEMENTATION OF STEEL STRUCTURES ACCORDING TO EN 1090-2 INCLUDING PRODUCTION AND ASSEMBLY**

Manufacturer:	Elektrizace železnic Praha a.s.		Execution class:	EXC3
Steel structures groups:	- statically and dynamically loaded building structures - construction of tubes			
Mechanical joints:	- bolted joints with non prestressed bolts			
Welding:	Welding method according to ČSN EN ISO 4063:	Material group according to TNI CEN ISO/TR 15608:	Dimensions:	
	135	1.2, 1.2	P: BWt= 3-30, FWt=5-18	
	135	1.2, 1.2	T: BWt= 3-20, FWt=3-24	
Quality of welding process:	The manufacturer is a holder of the Certificate for quality of fusion welding according to ČSN EN ISO 3834-2. Fulfilment of quality requirements for welding according to ČSN EN ISO 3834-2:2021 is shown in the Certificate No. TESIYO-CO-1893 of 06 th January 2022 with validity until 05 th January 2024; TESIYO, s.r.o.			
Quality management system:	The manufacturer is a holder of the certificate for the Quality management system according to ČSN EN ISO 9001. Fulfilment of the standard EN ISO 9001:2015 requirements is shown in the Certificate No. CZ17/0013/QES, issued by SGS Société Générale de Surveillance SA System & Servis Certification of 07 th April 2020 with validity until 06 th April 2023.			
Options handling in manufacturing and assembly:	max. weight of construction: 5 t, max. dimensions of construction: 36 m			
Methods of assembly:	Assembling of a mechanical connection components. Performing assemblies of direct placement.			
Welding supervision:		Ing. Miroslav Jašek	IWE/CZ 02013	
Welding supervisor's representative:		Josef Voborný	EWS/CZ 02008	

Issue: 1
At: 19109/4
Ing. Lubomír Keim, CSc.
Manager of Certification Body for products and processesVýzkumný ústav pozemních staveb - Certifikační společnost, s.r.o. 102 21 Praha 10 - Hostivař, Pražská 810 / 16
Id.No.:25052063 Tax Id.No.: CZ25052063 Tel.: +420 271 751 148, Fax: +420 281 017 241; E-mail: info@vups.cz, www.vups.cz

**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**ANNEX No.2****To the Certificate No. 3013P-22-0146**

**PRODUCTION PROCESS SPECIFICATION OF STEEL STRUCTURE
IMPLEMENTATION ACCORDING TO ČSN EN 1090-2 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:	Elektrizace železnic Praha a.s.	Version class:	EXC3
ČSN 73 2603	Steel bridge structures - Additional specifications for construction, quality control and inspection		
TKP Chapter 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, Part B		
Groups of steel structures of railway bridges and accessories:	- secondary load-bearing parts of bridges, including bracing - signal bridges and cantivelers		


Ing. Lubomír Keim, CSc.

Manager of Certification Body for products and processes

Issue: 1
At: 19109/4Výzkumný ústav pozemních staveb - Certifikační společnost, s.r.o. 102 21 Praha 10 - Hostivář, Pražská 810 / 16
Id.No.:25052063 Tax Id.No.: CZ25052063 Tel.: +420 271 751 148, Fax: +420 281 017 241; E-mail: info@vups.cz, www.vups.cz

**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**ANNEX No.3****To the Certificate No. 3013P-22-0146****SPECIFICATION OF RAILWAY AND ROAD BRIDGES STEEL
STRUCTURES ASSEMBLY PROCESS ACCORDING TO
ČSN EN 1090-2+A1:2012 AND ČSN 73 2603:2011**

Manufacturer:	Elektrizace železnic Praha a.s.	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">- handling equipment (cranes)		
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		
Control of nonconforming product of supplier:	The company has introduced system of nonconformity 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		

Issue: 1
At: 19109/4
Ing. Lubomír Keim, CSc.
Manager of Certification Body for products and processesVýzkumný ústav pozemních staveb - Certifikační společnost, s.r.o. 102 21 Praha 10 - Hostivař, Pražská 810 / 16
Id.No.:25052063 Tax Id.No.: CZ25052063 Tel.: +420 271 751 148, Fax: +420 281 017 241; E-mail: info@vups.cz, www.vups.cz