



Industrie Service

CERTIFICATE

Welding of railway vehicles and components according to EN 15085-2

This is to certify that **SPIROFLEX d.o.o.**

Ljudevita Gaja, 7

**35208 Ruscica
CROATIA**

is qualified to perform welding work within the range of certification of:

Certification level CL1 according to EN 15085-2

Field of application: • New manufacture of railway vehicles and their components:

- metal bellows, expansion joints, flexible hoses
- with design, purchase and assembly
- without resale

Range of certification

Welding process according to EN ISO 4063	Material group according to CEN ISO/TR 15608	Dimensions	Comments
141/135	8.1	t = 3 - 14 mm D >= 84.1 mm	machine
141	8.1 8.1	t = 0.11 - 2.5 mm t = 1.1 - 3 mm D >= 25 mm	machine BW; FW: T1=2,1-6mm T2=9,5-37mm; D>=109,5mm

(continuation: see reverse)

Responsible welding coordinator: Josip Majic (IWE) [external] born: 30.10.1985

Deputy with equal rights: Tihomir Vidovic (Level C) born: 10.10.1983

Deputy: Ivan Kokanovic (IWE) [external] born: 05.06.1972

Certificate no.: TÜV SÜD/15085/CL1/824/0/20

Valid: from 27.11.2020 to 26.11.2023

Issued on: 27.11.2020

Auditor: JELACIC
General regulations (see reverse)

Certification Body
Material and Welding Technology

T. Sack

Sack

Deputy head of certification body



EQ3077091

Certificate no.: TÜV SÜD/15085/CL1/824/0/20

Continuation of range of certification

Welding process according to EN ISO 4063	Material group according to CEN ISO/TR 15608	Dimensions	Comments
142/141	8.1, 8.1/1.1	t = 1.4 - 4 mm	FW (raised edges) t ₂ ≥ 5mm
142	43 8.1 8.1/43 8.1	t = 0.1 - 0.3 mm t = 0.11 - 0.6 mm t = 0.35 - 0.55 mm D ≥ 25 mm t = 0.35 - 1.3 mm D ≥ 25 mm	automatic BW; automatic FW automatic (raised edges) t ₂ = 0, 10-0,44mm FW automatic (raised edges) t ₂ = 0,09-0,05mm
15	8.1, 43	t = 0.08 - 0.3 mm	BW; welding process 154

General regulations

according to EN 15085-2

Revocation of the Certificate

The national safety authority or the manufacturer certification body issuing this certificate may revoke the certificate if:

- there are justified doubts as to the proper execution of the welding work according to the stated standards,
- there are justified doubts as to the proper welding coordination according to the stated standards,
- no recognized welding coordinator is available any longer,
- no valid qualification test certificates for the welders and welding operators according to the specified standards are available,
- welders or welding operators without tested qualifications have been entrusted with the execution of welding work under the stated standards,
- other conditions according to the stated standards are no longer satisfied,
- the manufacturer certification body was refused an opportunity to perform the annual verification,
- the welding manufacturer waives the certificate

The welding manufacturer shall acknowledge the revocation in writing to the manufacturer certification body. The manufacturer certification body shall notify the national safety authority.

If a valid certificate is to be renewed, the renewal must be applied for with the manufacturer certification body at least **two months** before the end of the period of validity of the current certificate.

Distribution list:

1. Applicant (original)
2. Files