



CERTIFICATE

Welding of railway vehicles and components according to
EN 15085-2:2020+A2:2025

TÜV SÜD/15085/CL1/343/11/5

TÜV SÜD Industrie Service GmbH hereby certifies that the welding company

**FES GmbH
Fahrzeug - Entwicklung Sachsen
Crimmitschauer Str. 59
08058 Zwickau
Germany**

fulfills the requirements
for the scope according to

**EN 15085-2 classification level CL1
in the type of activity P**

in the range indicated in the annex.

validity: 2026-01-27 until 2029-01-26

München, 2026-01-27
Place and date of issue

Lead auditor: Dipl.-Ing. (FH) JACOBI



Certification Body
Material and Welding Technology

Sack

Dipl.-Ing. SACK
Deputy head of certification body



EQ3166137



Scope of the certificate

Scope:

Welding process according to EN ISO 4063	Material group according to CEN ISO/TR 15608	Dimensions	Remarks
135	1.2	t = 1 - 4 mm	-
141	8	t = 1.2 - 5 mm	-
522	1.2 8	t = 0.8 - 5 mm t = 1.7 - 4 mm	with and without addition BW; (without addition)

Area of Application:

- New build of railway vehicles and their components
 - Vehicle structure, battery case
 - Front and side wall, roof, traverse, base plates (bogie)

Responsible welding coordinator(s):

Christian Sieber, Level A (IWE)

born: 1985-09-10

1st deputy(ies) of the responsible welding coordinator(s):

Sebastian Thiem, Level C (IWS)

born: 1982-10-11

Others deputies:

-

Remarks:

Register no.:

TÜV SÜD/15085/CL1/343/11/5

General provisions:

The current version of the TÜV SÜD Group's testing and certification regulations apply.



CERTIFICAT

CERTIFICADO

СЕРТИФИКАТ

認證證書

CERTIFICATE

ZERTIFIKAT

CERTIFICATE

TÜV SÜD-MUC-WD-3268620.2020.004

Manufacturer: **FES GmbH Fahrzeug-Entwicklung Sachsen
Crimmitschauer Straße 59
DE – 08058 Zwickau**

Plant(s): **Crimmitschauer Straße 59
DE – 08058 Zwickau**

The above mentioned company fulfills the

**comprehensive quality requirements for fusion
welding of metallic materials**

according to

EN ISO 3834-2

Contract: 4287779

Valid until: January 26, 2029

Munich, January 27, 2026

Certification Body
Material and Welding Technology

Toralf Sack



EQ3268620



The following range is certified according to EN ISO 3834-2:

- Scope of production:**
- Rail vehicles / vehicle components:
front and side walls, roof, traverse, bases plates,
battery case
 - other constructions and components:
vehicle components, aeronautical components
- Base material(s):**
(Group(s) according to EN ISO/TR 15608)
- 1.1, 1.2
 - 8.1
- Dimension of items:**
- Thickness up to 5 mm, max. length 4 m,
max. piece weight 5 t
- Welding processes:**
(Process numbers according to EN ISO 4063)
- | | |
|-----|---|
| 135 | MAG welding with solid wire electrode |
| 141 | TIG welding with solid filler material (wire / rod) |
| 522 | Gas laser welding |
- Welding supervisor:**
- Deputy: Mr. Christian Sieber (IWE)
Mr. Sebastian Thiem (IWS)
- Personnel for non-destructive testing:**
- Responsible: Ms. Dannemann
Deputy: Mr. Christian Sieber
- All other relevant data are detailed in our report no R-2396932-26.1.
- Remarks:**
None



General Provisions

Should one of the named welding and testing supervisors leave the company, or welding and test procedures or important parts of equipment required for these procedures be changed or any of the welding-related quality assurance measures be modified, this must be reported beforehand to TÜV SÜD Industrie Service GmbH (hereinafter referred to as TÜV SÜD). If necessary, TÜV SÜD will initiate a renewed inspection at the company. The same applies to the permanent discontinuance of welding work.

Should there be any doubts pertaining to the qualification of the company, TÜV SÜD shall have the right to inspect the company and to carry out tests at the company at any time without prior notification.

This certificate can be withdrawn, amended or modified with immediate effect and without any compensation, if the conditions under which it was issued have changed or if the stipulations and provisions outlined in this certificate or the pertinent report have not been observed.

This certificate shall become invalid if the welding supervisor named therein leaves the company.

The authorization shall be suspended for as long as the company does not have a recognized responsible welding supervisor and no accepted deputy is on hand.

Application for renewal should be submitted to TÜV SÜD at least 2 months prior to expiry of the certificate.

Invalid or revoked certificates must be returned immediately to TÜV SÜD.

This certificate may only be copied or published in its entirety for advertising and other purposes. The text of promotional material may not contradict this certificate.