

CERTIFICATE



TÜV SÜD Czech – CERTIFICATION BODY
 which carries out the assessment and certification of products

Product certification body No. 3084, accredited by the Czech Accreditation Institute
 according to ČSN EN ISO/IEC 17065:2013

hereby certifies that the organization



ŠKODA TVC s.r.o.
 Tylova 1/57
 CZ - 301 00 Plzeň - Jižní Předměstí
 Company Registration No.: 25247964

for the following fields / processes of activities:

**Welded constructions;
 Manufacture and servicing of components
 for railway vehicle bogies and bodies CL1**

has implemented and uses a welding process which conforms to

ČSN EN ISO 3834-2:2022

Number of the Audit Report: **15.021.320.3834**

Validity of certificate: **18.03.2025**

Certificate number: **12.917.811, Revision No. 3**

Certification scheme: ČSN EN ISO 3834-2:2022

Details and validity conditions are stated in the annex to this certificate which
 forms its integral part and contains 1 page.

Prague, on 04.04.2023



Head of the Certification body



SCOPE OF ACTIVITY

- 1. Kind of products:** bogies (headstocks, solebars, cross bearers, bogie frames); underframes of locomotives, passenger rolling stock and freight wagons (extensions, solebars, cross bearers, bolsters, assembly); draw and buffing gear; wheelset mountings, axleboxes, spring supports, shock absorbers, vibration dampers; exterior traction and power equipment (transformer casing, transformer suspension, engine suspension, transmission suspension, attachment for traction motor, instrument racks); power transmission parts (traction coupling, cardan shafts); turning and tipping equipment (e.g. freight wagon)
- 2. Standards used by certified organization:**
 - 2.1 Product standards: EN 15085-4
 - 2.2 Process standards (EN ISO 3834-5): ISO 9606-1, ISO 9712, ISO 13916, ISO 14555, ISO 14731, ISO 15607, ISO 15609-1, ISO 15613, ISO 15614-1, ISO 17635, ISO 17637, ISO 17662, CR ISO 17663
 - 2.3 Standards other than EN/ISO: --
- 3. Groups of basic materials** (according to CEN ISO/TR 15608): 1.2, 3.1, 5.1, 5.2, 8.1, 8.3, 72.2
- 4. Welding processes and similar processes:**

Welding processes (according to ISO 4063)	Groups of basic materials (according to CEN ISO/TR 15608)
111	1.2, 1.2 + 5.1, 1.2 + 8.3, 72.2 + 8.1
135	1.2, 1.2 + 5.2, 3.1 + 1.2
141	1.2 + 8.1

5. Authorized employees of the welding supervision:

Name	Qualification	Work function	Degree (according to ISO 14731)
Ing. Ladislav Benýr	EWE	Welding coordinator	6.2.2
Ing. Antonín Šmíd	EWE	Deputy of welding coordinator	6.2.2

This certificate is a revision No. 3 of the certificate No. 12.917.811, issued 18.03.2020.

