

CERTIFICATE

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

TÜVRh/15085/CL1/666/20/1A1

TÜV Rheinland Industrie Service GmbH hereby certifies that the welding company

Astra Rail Industries S.A.
a GREENBRIER Europe Company
Dunarii Street nr. 3
220160 Drobeta-Turnu Severin
Romania

fulfills the requirements
for the scope according to

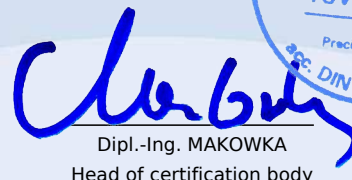
EN 15085-2:2020 classification level CL1
in the type of activity P, M

in the range indicated in the annex.

validity: 2024-02-26 until 2026-03-31

Cologne, 2024-02-26
Place and date of issue

Lead auditor: MIHAI-VLADIMIR


Dipl.-Ing. MAKOWKA
Head of certification body



TÜV Rheinland Industrie Service GmbH, Am Grauen Stein, 51105 Köln, Germany

Scope of the certificate

TÜVRh/15085/CL1/666/20/1A1

Scope:

Welding process according to EN ISO 4063	Material group according to CEN ISO/TR 15608	Dimensions	Remarks
111	1.2 1.2	t = 3 - 14 mm t = 3 - 70 mm	BW, manually FW, manually
121	1.2 1.2, 1.3 1.3 2.2	t = 3 - 14 mm t = 3 - 70 mm t = 3 - 28 mm t = 3 - 12 mm	BW, fully mechanized FW, fully mechanized BW, fully mechanized BW, fully mechanized
135	1.2 1.2, 1.3, 2.1, 3.1, 7, 8 1.2/X120Mn12 1.3 2.1, 3.1 2.2 2.2 5.1 5.1 7 8	t = 3 - 64 mm D ≥ 25 mm t = 3 - 70 mm t = 3 - 30 mm t = 3 - 84 mm t ≥ 5 mm t = 3 - 12 mm t = 3 - 12 mm t = 3 - 64 mm t = 7 - 28 mm t = 3 - 20 mm t = 3 - 28 mm	BW, partly mechanized FW, partly mechanized FW, partly mechanized BW, partly mechanized BW, partly mechanized BW, partly mechanized FW, fully mechanized BW, partly mechanized FW, partly mechanized BW, partly mechanized BW, partly mechanized
138	1.2, 2 1.2, 2	t = 3 - 24 mm t = 3 - 30 mm	BW, partly mechanized FW, partly mechanized
141	1.2	t = 3 - 8 mm	BW, manually
141/135	1.2 1.3	t = 3 - 8 mm D ≥ 54 mm t = 3 - 8 mm D ≥ 44 mm	BW, manually BW, manually
24	1.2/11	D ≤ 40 mm	BW

Area of Application:

- • New build, conversion and repair of rail vehicles and their components.
- Clasification level CL1 according to EN 15085-6 for maintenance.
 - freight cars
 - underframes
 - vehicle body
 - railway tanks

Responsible welding coordinator(s):

Iulica Carapencea, Level A (IWE)

born: 1962-01-07

TÜV Rheinland Industrie Service GmbH, Am Grauen Stein, 51105 Köln, Germany

Scope of the certificate

TÜVRh/15085/CL1/666/20/1A1

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

Amalia Melcea, Level A (IWE)

born: 1986-11-01

Others deputies:

Marian-Cristian Mirea, Level A (IWE)

born: 1989-08-01

Felicia-Valeria Carapencea, Level C (IWS)

born: 1961-09-25

Remarks:

Welding supervisors qualification; The welding coordinators Iulica Carapencea, Amalia Melcea are authorised, within the scope of this certificate, to test welders/operators in accordance with the relevant standards

Register no.:

TÜVRh/15085/CL1/666/20/1A1

General provisions:

The General Terms and Conditions of the TÜV Rheinland Industrie Service GmbH apply in the currently valid version.

TÜV Rheinland Industrie Service GmbH, Am Grauen Stein, 51105 Köln, Germany