

# Certificate

## Inspection of the welding quality requirements according ISO 3834

Certificate no.: 01 240 RO/A-20 0064.00

Name and address of the  
certificate holder: **ASTRA RAIL INDUSTRIES S.A.**  
**a GREENBRIER Europe Company**  
**Str. 1 Decembrie 1918 Nr. 146**  
**235200 Caracal**  
**Romania**

It is hereby certified that the manufacturer has furnished proof of the quality requirements according to the test basis. The mentioned company:

- operates a quality system which ensures that the manufacture and inspection of the products stated in our report, are in compliance with applicable technical standards and regulations;
- employs qualified supervisory and inspection personnel;
- has qualified welding processes and welding personnel;
- has adequate facilities permitting manufacture and inspection of welded products.

Test basis: **EN ISO 3834-2**


Audit report no.: 01 240 RO/A-23 0038

Scope: **The scope of the inspection and other relevant data are given in the annex to the certificate.**

Manufacturing plant: see certificate holder

Validity: **This certificate is valid until 2026-04-02.**

Cologne, 2023-03-31

  
Dipl.-Ing. Achim Makowka  
Certification Body for welding manufacturers



TUV Rheinland Industrie Service GmbH  
Certification Body for welding manufacturers  
Am Grauen Stein, D-51105 Cologne

M-012-Rev 24

# Annex

## to the certificate according to ISO 3834

Certificate no.: 01 240 RO/A-20 0064.00

Name and address of the manufacturer: **ASTRA RAIL INDUSTRIES S.A.  
a GREENBRIER Europe Company  
Str. 1 Decembrie 1918, nr. 146  
235200 Caracal  
Romania**

Specifications: EN ISO 3834-2

Scope of production: Manufacturing of  
- Railway vehicles or parts for railway vehicles

Welding process  
acc. EN ISO 4063: 111; 121; 135; 136; 138

Material group  
acc. CEN ISO/TR 15608: 1.1; 1.2; 1.3; 1.4; 2; 3; 5; 8; X120Mn12

Responsible welding coordinator  
acc. EN ISO 14731: Mr. Andrei Homescu; level C (IWE/IIW)

Substitute: Mr. Emil Rece; level C (IWE/IIW))

Remarks: This annex is only valid in combination with the ISO 3834 certificate and does not replace the supporting documents required under the scope of regulated by law.

Cologne, March 31, 2023

Explanations:  
B - basic technical knowledge, S - special technical knowledge, C - comprehensive technical knowledge according to ISO 14731

TÜV Rheinland Industrie Service GmbH  
Certification body for welding manufacturers  
Am Grauen Stein, D-51105 Köln

M-012-E-Cert Annex-3834-Rev25