

Certificate

Inspection of the welding quality requirements according ISO 3834

Certificate no.:

01 220 RO/A-20 0064

Name and address of the
manufacturer:

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 comprehensive 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.

Specifications:

EN ISO 3834-2

Scope:

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

Manufacturing Plant:

ASTRA RAIL INDUSTRIES S.A.
a GREENBRIER Europe Company
Str. 1 Decembrie 1918, nr. 146
235200 Caracal, Romania


Test Report no.:

01 220 RO/A-20 0064

Valid until:

April 02, 2023

Cologne, May 12, 2020


i.A. Eng. Achim Makowka
Certification Body for Manufacturer Qualification



TÜV Rheinland Industrie Service GmbH
Certification Body for Manufacturer Qualification
Am Grauen Stein, D-51105 Köln

M-012-E-Zert-3834-2-Rev-224

Annex

to the certificate according to ISO 3834

Certificate no.: 01 220 RO/A-20 0064

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; 131; 135; 138; 24; 783; 786

Material group
acc. CEN ISO/TR 15608:

1.1; 1.2; 1.3; 1.4; 2.1; 2.2; 3.1; 5.1; 8.1; 11.1; 23.1; X120Mn12

Responsible welding coordinator
acc. EN ISO 14731:

Mr. Dipl.-Ing. Andrei Homescu; Level C (IWE/IIW))

Substitute:

Mr. Dipl.-Ing. Eduard Augustin Musteata; 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, Mai 12, 2020

Explanations:

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