

CERTIFICATE

TÜV NORD Systems GmbH & Co. KG

certifies that the company

**WiRoPa GmbH
Marie-Curie-Straße 1
48712 Gescher / Germany**

has been verified and recognized
as welding workshop based on the requirements of the standard

DIN EN ISO 3834-2

Comprehensive quality requirements

Certificate-No.: 07/204/1411/HS/3285/22

The range of validity and details of the inspection can be seen
on the back page and in our report

No.: 8120186365

The company is using a quality assurance system,
technical equipment, qualified personnel and procedures for joining processes.

This certificate is valid until

February 2025



Hamburg, 01.11.2022

To verify the validity of the digital signature of the TÜV NORD Systems
employee, the installation of the TÜV NORD GROUP root certificate is
required: <https://www.tuev-nord.de/en/customer-login/digital-signature/>

Certification body
of TÜV NORD Systems GmbH & Co. KG
Accredited Body

TÜV NORD Systems GmbH & Co. KG • Technikzentrum • Certification Body
Große Bahnstraße 31 • 22525 Hamburg
Telefon (040) 8557-2368 • Fax (040) 8557-2710 • E-mail: technikzentrum@tuev-nord.de

Scope of the welding activities

Only valid in relation and as an attachment to the certificate DIN EN ISO 3834 Part 2

Manufacturer: WiRoPa GmbH, 48712 Gescher / Germany
Cert.-no.: 07/204/1411/HS/3285/22
Date of issue: 01.11.2022

1 Product(s) of the manufacturer

Welded components for Railway Vehicles according to EN 15085 and structural components and steel structures until EXC3 according to EN 1090-2.

2 Product standards and other standards (see DIN EN ISO 3834-5)

DIN EN 15085, DIN EN 1090-2, DIN EN 1090-3
DIN EN ISO 9606-1
DIN EN ISO 5817
DIN EN ISO 15614-1, DIN EN ISO 14555

3 Material groups (acc. to CEN ISO/TR 15608)

1.1, 1.2 $R_{eH} \leq 355$ MPa, 8.1
1, 2, 3.1, 3.2 $R_{eH} \leq 1200$ MPa*

4 Welding processes and related material groups

| Welding processes (acc. to ISO 4063) with grade of mechanization | Material groups (acc. to CEN ISO/TR 15608) |
|--|---|
| 135 MAG Metal active gas welding, partly-mechanized | 1.1, 1.2 $R_{eH} \leq 355$ MPa, 8.1 1, 2.1, 2.2 $R_{eH} \leq 500$ MPa* |
| 141 TIG Tungsten inert gas welding, manual | 8.1 |
| 783 Drawn arc stud welding | 1.1, 1.2 $R_{eH} \leq 355$ MPa 1, 2, 3.1, 3.2 $R_{eH} \leq 1200$ MPa* |
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*not in the Range of DIN EN 1090-2

5 Responsible welding coordinators

| Name | Qualification | Scope of competence and level * |
|---------------------|---------------|-----------------------------------|
| Nauendorff, Carsten | IWT | Responsible welding coordinator S |
| Heisterkamp, Dirk | IWS | Support. welding coordinator B |
| Lechtenberg, Oliver | IWS | Support. welding coordinator B |
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* The level of knowledge complies with ISO 14731 B, S or C