

CERTIFICATE

TÜV NORD Systems GmbH & Co. KG

certifies that the company

Hoedtke Kiel GmbH & Co. KG
Liebigstrasse 12-14
24145 Kiel, 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.: 07/204/1201/HS/4742/18

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

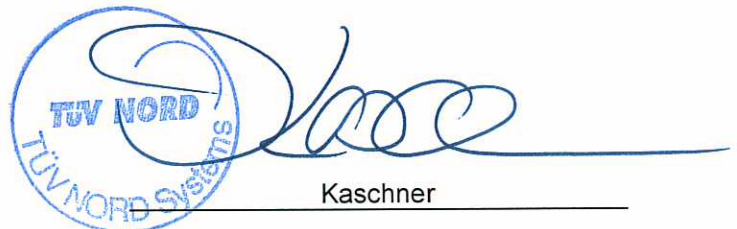
No.: 8116287953

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

This certificate is valid until

October 2021

Hamburg, 03.12.2018

A blue circular stamp with the text "TUV NORD" and "TUV NORD SYSTEMS" around the perimeter. Overlaid on the stamp is a blue ink signature that appears to read "Kaschner".

Kaschner

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

Scope of the welding activities

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

Manufacturer: Hoedtke Kiel GmbH & Co. KG, 24145 Kiel, Germany
Cert.-no.: 07/204/1201/HS/4742/18
Date of issue: 03.12.2018

1 Product(s) of the manufacturer

In the following depending on possibly further required certifications:
Pressure vessels and parts for railway vehicles

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

AD2000 HP0, DIN EN 15085
DIN EN ISO 9606-1, DIN EN ISO 14732
DIN EN ISO 5817
DIN EN ISO 15613, DIN EN ISO 15614-1

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

1.1 $R_{eH} \leq 275 \text{ N/mm}^2$, 8.1, 10, 41

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 with solid wire electrode, partly-mechanized	8.1, 10
141 TIG Tungsten inert gas welding with solid filler material (wire/rod), manual	1.1 $R_{eH} \leq 275 \text{ N/mm}^2$, 8.1, 41
142 Autogenous TIG welding, without filler material, manual, (corrosion resistance can be reduced)	1.1 $R_{eH} \leq 275 \text{ N/mm}^2$

5 Responsible welding coordinators

Name	Qualification	Scope of competence and level*
Dirk	EWS	Responsible welding coordinator B
Marco	EWE	Deputy welding coordinator C

* The level of knowledge complies with ISO 14731 B, S or C