

CERTIFICATE

TÜV NORD Systems GmbH & Co. KG

certifies that the company



HAWART Sondermaschinenbau GmbH
Handwerksweg 8
27777 Ganderkesee / 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/3487/20rev

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

No.: 8117730573

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

This certificate is valid until

January 2023



Hamburg, 17.12.2020

Dipl.-Ing. Kaschner

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

Scope of the welding activities

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

Manufacturer: HAWART Sondermaschinenbau GmbH,
27777 Ganderkesee / Germany
Cert.-no.: 07/204/1201/HS/3487/20rev
Date of issue: 17.12.2020

1 Product(s) of the manufacturer

Structural components, steel structures and aluminium structures
until EXC3 according to EN 1090-2 and EN 1090-3

In the following depending on possibly further required certifications:

Welded structures, machinery and plant engineering as well as manufacturing
equipment, lifting tools and transport components for the wind energy industry
(development, engineering, manufacturing, distribution, service and assembling)

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

DIN EN 1090-2, DIN EN 1090-3
DIN EN ISO 9606-1, DIN EN ISO 9606-2
DIN EN ISO 5817, DIN EN ISO 10042
DIN EN ISO 15614-1, DIN EN ISO 15614-2

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

1, 2, 3.1 $R_{eH} \leq 690$ MPa, 22

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, 2, 3.1 $R_{eH} \leq 690$ MPa
141 TIG Tungsten inert gas welding, manual	1.1, 1.2 $R_{eH} \leq 355$ MPa
131 MIG Metal inert gas welding, partly-mechanized	22
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5 Responsible welding coordinators

Name	Qualification	Scope of competence and level *
Schröder, Marco	IWE	Responsible welding coordinator C
Trosin, Ralf	EWS	Support. welding coordinator B
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* The level of knowledge complies with ISO 14731 B, S or C