

CERTIFICATE

TÜV NORD Systems GmbH & Co. KG

certifies that the company



**Kliewe GmbH
Flagentwiet 42
22457 Hamburg**

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/0574/23

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

No.: 8121871580

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

This certificate is valid until

September 2026

Hamburg, 08.09.2023

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: Kliewe GmbH, 22457 Hamburg
 Cert.-no.: 07/204/1201/HS/0574/23
 Date of issue: 08.09.2023

1 Product(s) of the manufacturer

Structural components and steel structures

until EXC2 according to EN 1090-2

in the following depending on possibly further required certifications:

pressure equipment and parts as well as piping and piping systems acc. to

AD 2000-Merkblatt HP0 / HP 100R as well as DIN EN 13445-4 and DIN EN 13480-4

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

DIN EN 1090-2, AD2000-Merkblatt HP0, HP100R, DIN EN 13445-4, DIN EN 13480-4

DIN EN ISO 9606-1, DIN EN ISO 9606-3, DIN EN ISO 9606-4, DIN EN ISO 13585,

DIN EN ISO 14732

DIN EN ISO 5817

DIN EN ISO 15614-1, -6, -8, DIN EN 13134

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

a) 1.1, 1.2 $R_{eH} \leq 355$ MPa

b) 8.1, 8.2, 10.1, 31, 34, 43 in the range of Directive 2014/68/EU*)

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, $R_{eH} \leq 265$ MPa
136 MAG Metal active gas welding with flux cored electrode, partly-mechanized	8.1 ^{*)}
111 E Manual metal arc welding	1.1, 1.2 $R_{eH} \leq 355$ MPa
141 TIG Tungsten inert gas welding, manual	1.1, 1.2 $R_{eH} \leq 355$ MPa, 8.1 ^{*)} , 8.2 ^{*)} , 10.1 ^{*)} , 34 ^{*)} , 43 ^{*)}
141/142 TIG Tungsten inert gas welding, fully-mechanized	8.1 ^{*)} , 43 ^{*)}
912, Flame brazing, manual	31 ^{*)} , 31-1.1 ^{*)} , 31-8.1 ^{*)}

5 Responsible welding coordinators

Name	Qualification	Scope of competence and level *
Gomse, Christian	SFI / IWE	Responsible welding coordinator C
Mayer, Marek	SFM / EWS	Support. welding coordinator B

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