



Industrie Service

Welding Certificate

TÜV SÜD-00064.2013.004

in accordance with EN 1090-1, table B.1, its hereby declared:
The manufacturer has produced evidence that he fulfills the requirements of the European standard EN 1090-2 for execution of structural steel components

Manufacturer	ABUS Kransysteme GmbH	
	Sonnenweg 1 51647 Gummersbach GERMANY	
welding shops	see reverse	
Technical specification	EN 1090-2:2008+A1:2011	
Execution class(es)	EXC4 according to EN 1090-2	
Welding Process(es) <small>(Reference no. acc. to DIN EN ISO 4063)</small>	111 - Manual metal arc welding 135 - Metal active gas welding 138 - MAG welding with metal cored electrode 783 - Drawn arc stud welding with ceramic ferrule or shielding gas 784 - Short-cycle drawn arc stud welding	
Material Group	1.1, 1.2 according to CEN ISO/TR 15608 and EN 1090-2, table 2 and 3	
Responsible Welding Coordinator <small>(Title, Surname, Name, Qualification, Date of birth)</small>	Dipl.-Ing. Andreas Hardt, EWE	born on: 28.02.1974
Substitute <small>(Title, Surname, Name, Qualification, Date of birth)</small>	Dipl.-Ing. Jochen Polenske, EWE Dipl.-Ing. Petra Barth, EWE	born on: 14.08.1962 born on: 16.04.1961
Confirmation	All provisions concerning welding as described in the above mentioned technical specification(s) were applied.	
Validity start	26.08.2013	
Period of validity	25.08.2020	
Remarks	see reverse	
Place and date of issue	Munich, 04.10.2017 Dobers/KS	

Notified Body, No. 0036*Frank Steidl*Dipl.-Ing. (FH) Steidl
Head of certification body

EQ2611874

TÜV SÜD Industrie Service GmbH, Westendstr. 199, 80686 Munich, Germany

Certificate number: TÜV SÜD-00064.2013.004

welding shop:

ABUS Kransysteme GmbH, Industriestraße 8, 51709, Marienheide-Rodt,
GERMANY
ABUS Kransysteme GmbH, Hauptstraße 19a, 51709, Marienheide,
GERMANY
ABUS Kransysteme GmbH, Sonnenweg 1, 51647, Gummersbach,
GERMANY
ABUS Kransysteme GmbH, Archimedesstraße, 1, 51647, Gummersbach,
GERMANY

Remarks:

Upon successful completion of the next continuous surveillance, a new certificate will be issued. All other relevant data are detailed in our report No.IS-AN1-ESS-02.10.2017-18676496.
Mr. Dipl.-Ing. Andreas Hardt, Mr. Dipl.-Ing. Jochen Polenske and Ms. Dipl.-Ing. Petra Barth have the recognition to issue in-house welder and operator tests for the processes and material groups listed in the certificate according CEN ISO/TR 15608

General provisions

1. The regulations as addressed in the below listed documents in their respective relevant version shall apply:
 - a) General Terms and Conditions of Business of TÜV SÜD Industrie Service GmbH
 - b) Testing and Certification Regulations of TÜV SÜD Group
 - c) Certification Contract between TÜV SÜD Industrie Service GmbH and the customer (manufacturer) as named in the certificate
 - d) DVS Guideline 1711 of the German Society of Welding (the guideline shall generally apply except Annex B)
 - e) General provisions/ conditions for validity of Factory Production Control Certificates according to EN 1090-1 and of the associated Welding Certificates (Request of Certification, Annex 1 of Doc.-No. QS/PÜZ0005/AT)
2. This certificate may be reproduced or published for advertising or other purposes only in its entirety. The wording of any marketing publications must not be contradictory to the contents of this certificate.
3. The certifying body reserves the right to perform inspections at the company's premises at any time, without having to give notice and subject to additional charge, in the event of questions arising with regard to the manufacturer's qualification.
4. This certificate may be withdrawn, amended or modified at any time, with immediate effect and without compensation, if the conditions under which it has been issued have changed or if the requirements of this certificate have not been complied with.
5. The certifying body must be notified of following changes:
 - a) new production plant or changes to key production facilities;
 - b) changes in the position of responsible welding coordinator;
 - c) introduction of new welding procedures, new basic materials and corresponding WPQRs (welding procedure qualification records)
 - d) new key production facilities.

In the cases referred to above the certifying body will arrange for an inspection to be performed by the inspection agency.

Distribution:

1. Applicant
2. File



Industrie Service

CERTIFICATE

Conformity of the Factory Production Control

0036-CPR-1090-1.00064.TÜV SÜD.2013.004

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the following construction product:

Construction product	Structural components and kits for steel structures to EXC4 according to EN 1090-2
Intended use	for load-bearing structures in all types of buildings
CE - marking method	ZA.3.2 to ZA.3.5 acc. to EN 1090-1:2009+A1:2011
	produced by or for
Manufacturer	ABUS Kransysteme GmbH Sonnenweg 1 5164 Gummersbach GERMANY
Manufacturing plants <small>production facilities of the manufacturer</small>	see reverse
Confirmation	This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the harmonised standard EN 1090-1:2009+A1:2011 under system 2+ are applied, and that the factory production control fulfills all the prescribed requirements stated therein.
Date of issue	26.08.2013
Next Surveillance audit	25.08.2020
Period of validity	This certificate will remain valid as long as the test methods and/or the factory production control requirements included in the harmonised standard used to assess the performance of the declared characteristics do not change, and the product and the manufacturing conditions in the plants are not modified significantly.
Remarks	see reverse
Place and date of issue	Munich, 04.10.2017 Dobers

Notified Body, No. 0036



Frank Steidl
Dipl.-Ing. (FH) Steidl
Head of certification body



EQ2611874

TÜV SÜD Industrie Service GmbH, Westendstr. 199, 80686 Munich, Germany

Certificate number: 0036-CPR-1090-1.00064.TÜV SÜD.2013.004

- Manufacturing plants**
1. **ABUS Kransysteme GmbH**
Georg-Schacht-Straße 25, 15295 Brieskow-Finkenheerd, GERMANY
 2. **ABUS Kransysteme GmbH**
Archimedestrasse 1, 51647 Gummersbach, GERMANY
 3. **ABUS Kransysteme GmbH**
Sonnenweg 1, 51647 Gummersbach, GERMANY
 4. **ABUS Kransysteme GmbH**
Hauptstraße 19a, 51709 Marienheide, GERMANY
 5. **ABUS Kransysteme GmbH**
Industriestraße 8, 51709 Marienheide-Rodt, GERMANY

Remarks

The Notified Body - 0036 TÜV SÜD Industrie Service GmbH has performed the initial inspection of the/of manufacturing plant(s) and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate remains valid during the aforementioned period and as long as the conditions lay down in the above mentioned technical specifications in reference or the manufacturing conditions in the factory itself are not modified significantly.

Upon successful completion of the next continuous surveillance, a new certificate will be issued.

General provisions

The regulations as addressed in the below listed documents in their respective relevant version shall apply:

- a) General Terms and Conditions of Business of TÜV SÜD Industrie Service GmbH
- b) Testing and Certification Regulations of TÜV SÜD Group
- c) Certification Contract between TÜV SÜD Industrie Service GmbH and the customer (manufacturer) as named in the certificate
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- e) General provisions/ conditions for validity of Factory Production Control Certificates according to EN 1090-1 and of the associated Welding Certificates (Request of Certification, Annex 1 of Doc.-No. QS/PÜZ0005/AT)



Industrie Service

CERTIFICATE

Conformity of the Factory Production Control

0036-CPR-1090-1.00066.TÜV SÜD.2013.004

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the following construction product:

Construction product	Structural components and kits for aluminium structures to EXC4 according to EN 1090-3
Intended use	for load-bearing structures in all types of buildings
CE - marking method	ZA.3.2 to ZA.3.5 acc. to EN 1090-1:2009+A1:2011
	produced by or for
Manufacturer	ABUS Kransysteme GmbH Sonnenweg 1 51647 Gummersbach GERMANY
Manufacturing plants <small>production facilities of the manufacturer</small>	see reverse
Confirmation	This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the harmonised standard EN 1090-1:2009+A1:2011 under system 2+ are applied, and that the factory production control fulfills all the prescribed requirements stated therein.
Date of issue	26.08.2013
Next Surveillance audit	25.08.2020
Period of validity	This certificate will remain valid as long as the test methods and/or the factory production control requirements included in the harmonised standard used to assess the performance of the declared characteristics do not change, and the product and the manufacturing conditions in the plants are not modified significantly.
Remarks	see reverse
Place and date of issue	Munich, 04.10.2017 Dobers

Notified Body, No. 0036



Frank Steidl
Dipl.-Ing. (FH) Steidl
Head of certification body



EQ2611874

TÜV SÜD Industrie Service GmbH, Westendstr. 199, 80686 Munich, Germany

Certificate number: 0036-CPR-1090-1.00066.TÜV SÜD.2013.004

- Manufacturing plants**
1. **ABUS Kransysteme GmbH**
Georg-Schacht-Straße 25, 15295 Brieskow-Finkenheerd, GERMANY
 2. **ABUS Kransysteme GmbH**
Archimedesstrasse 1, 51647 Gummersbach, GERMANY
 3. **ABUS Kransysteme GmbH**
Sonnenweg 1, 51647 Gummersbach, GERMANY
 4. **ABUS Kransysteme GmbH**
Hauptstraße 19a, 51709 Marienheide, GERMANY
 5. **ABUS Kransysteme GmbH**
Industriestraße 8, 51709 Marienheide-Rodt, GERMANY

Remarks

The Notified Body - 0036 TÜV SÜD Industrie Service GmbH has performed the initial inspection of the/of manufacturing plant(s) and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate remains valid during the aforementioned period and as long as the conditions lay down in the above mentioned technical specifications in reference or the manufacturing conditions in the factory itself are not modified significantly.

Upon successful completion of the next continuous surveillance, a new certificate will be issued.

General provisions

The regulations as addressed in the below listed documents in their respective relevant version shall apply:

- a) General Terms and Conditions of Business of TÜV SÜD Industrie Service GmbH
- b) Testing and Certification Regulations of TÜV SÜD Group
- c) Certification Contract between TÜV SÜD Industrie Service GmbH and the customer (manufacturer) as named in the certificate
- d) DVS Guideline 1711 of the German Society of Welding (the guideline shall generally apply except Annex B)
- e) General provisions/ conditions for validity of Factory Production Control Certificates according to EN 1090-1 and of the associated Welding Certificates (Request of Certification, Annex 1 of Doc.-No. QS/PÜZ0005/AT)



Industrie Service

CERTIFICATE

TÜV SÜD-W-0046.2015.002

Manufacturer: **ABUS Kransysteme GmbH
Sonnenweg 1
DE - 51647 Gummersbach**

Plant(s): **Sonnenweg 1 DE - 51647 Gummersbach
Industriestraße 8, DE - 51709 Marienheide-Rodt
Hauptstraße 19a, DE - 51709 Marienheide
Archimedestraße 1, DE - 51647 Gummersbach
Georg-Schacht-Straße 25, DE - 15295 Brieskow-
Finkenherd**

The above mentioned company fulfils the

**comprehensive quality requirements for fusion
welding of metallic materials**

according to

EN ISO 3834-2

Contract: 18676493

Valid until: August 2020

Munich, October 4, 2017

Certification Body
Material and Welding Technology


Frank Steidl



EQ2611874

TÜV SÜD Industrie Service GmbH, Westendstr. 199, 80686 Munich, Germany

The following range is certified according to EN ISO 3834-2

Scope of production:	- Crane rail systems
Base material(s): (Group(s) according to EN ISO/TR 15608)	- 1.1, 1.2
Dimension of items:	Thickness up to 90 mm, max. length 38 m, max. \varnothing 1000 mm, max. piece weight 64 t
Welding processes: (Process numbers according to EN ISO 4063)	111 Manual metal arc welding 135 MAG welding with solid wire electrode 138 MAG welding with metal cored electrode 783 Drawn arc stud welding with ceramic ferrule or shielding gas 784 Short-cycle drawn arc stud welding

Welding supervisor:	Mr. Andreas Hardt (EWE)
Deputy:	Mr. Jochen Polenske (EWE) Ms. Petra Barth (EWE)

Personnel for non-destructive testing:	
Responsible:	Mr. Andreas Hardt

All other relevant data are detailed in our report no IS-AN1-ESS-02.10.2017-18676496.

Remarks:
None



General Provisions

Should one of the named welding and testing supervisors leave the company, or welding and test procedures or important parts of equipment required for these procedures be changed or any of the welding-related quality assurance measures be modified, this must be reported beforehand to TÜV SÜD Industrie Service GmbH (hereinafter referred to as TÜV SÜD). If necessary, TÜV SÜD will initiate a renewed inspection at the company. The same applies to the permanent discontinuance of welding work.

Should there be any doubts pertaining to the qualification of the company, TÜV SÜD shall have the right to inspect the company and to carry out tests at the company at any time without prior notification.

This certificate can be withdrawn, amended or modified with immediate effect and without any compensation, if the conditions under which it was issued have changed or if the stipulations and provisions outlined in this certificate or the pertinent report have not been observed.

This certificate shall become invalid if the welding supervisor named therein leaves the company.

The authorization shall be suspended for as long as the company does not have a recognized responsible welding supervisor and no accepted deputy is on hand.

Application for renewal should be submitted to TÜV SÜD at least 2 months prior to expiry of the certificate.

Invalid or revoked certificates must be returned immediately to TÜV SÜD.

This certificate may only be copied or published in its entirety for advertising and other purposes. The text of promotional material may not contradict this certificate.