



CERTIFICATE NUMBER  
FOR-T1711391

ISSUING OFFICE  
London Engineering  
Department

# CERTIFICATE OF FORGING FACILITY AND PROCESS APPROVAL

This is to certify that a representative of ABS did, at the request of

**KARL DIEDERICHS KG**

LUCKHAUSER STR. 1-5, D-42899 REMSCHEID, Germany

attend its facilities as indicated in the ABS Augsburg Station port office survey report number 3396072 dated 10 October 2017 in order to carry out a survey of the facilities and associated quality procedures.

The facility is considered capable of manufacturing

**Steel Forging and Stainless Steel Forging components for marine applications**

in accordance with the ABS Approval letter (Reference T1711391), ABS Rules, designated standards and ABS approved drawings. The approval is valid till 09 October 2022 subject to adherence to relevant ABS Rules, Survey requirements and annual endorsement by an ABS representative.



**Marcus Cridland**  
**Chief Metallurgist, ABS**

ISSUE DATE: 10 October 2017

EXPIRY DATE: 09 October 2022

FIRST ANNUAL  
ENDORSEMENT:

23.10.2018

SECOND ANNUAL  
ENDORSEMENT:

THIRD ANNUAL  
ENDORSEMENT:

FOURTH ANNUAL  
ENDORSEMENT:



NOTE: This certificate evidences compliance with one or more of the Rules, Codes, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes in the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by the terms and conditions as contained in ABS Rule 1-1-A/59 Terms and Conditions of the Request for Product Type Approval and Agreement (2018).

ABS000110



**KARL DIEDERICHS KG (105032)**

**LUCKHAUSER STR. 1-5,  
D-42899 REMSCHEID,  
GERMANY**

**Reference:** NV/Ry T1711391

**Project Number:** 3964525

**Certificate no:** FOR-T1711391

**ATTN: Dr. Jan Nebel**

## **Renewal Steel and Stainless Steel Forging Facility and Process Approval ABS Approval of KARL DIEDERICHS KG, Remscheid, Germany**

We have the ABS plant survey report HN3396072 dated 10 October 2017, along with your submittals together with enclosures relative to the subject. With regard thereto we advise that KARL DIEDERICHS KG, Remscheid, Germany is considered approved to produce hull and machinery forgings to the requirements of *ABS Materials & Welding Rules Part 2 (2017)* as outlined below, provided the Rules are adhered to in all respects and all production, testing and inspection are to the satisfaction of the attending ABS Surveyor.

<b>Grade</b>	Non ABS Grades: Carbon, Carbon-Manganese & Alloy Steels Stainless Steels (Austenitic & Duplex)
<b>Melting Practice</b>	ABS Approved Sources
<b>Casting Practice</b>	ABS Approved Sources
<b>Forging Practice</b>	Open Die Forging/Rolled Ring Forging
<b>Maximum Weight</b>	35,000 kg
<b>Maximum Thickness/Diameter</b>	Seamless Rolled Rings - 3,500 mm Ø Forged Bars - 850 mm (circular or square by 15m long)
<b>Heat treatment facility</b>	In-house
<b>Product Examples</b>	Bars, Semi-Finished & Hot Forged Products

Weld repair is generally not permitted on forgings, unless specially approved by the ABS Engineering Office.

The approval is valid for five years subject to annual endorsement survey and will expire on 09 October 2022. Please note it is the responsibility of the facility to inform ABS of any changes to the manufacturing parameters and request annual endorsement survey or renewal of approval prior to the five year expiry date. Our invoice to cover the costs of the technical review is subject to separate correspondence.

Electronically published by ABS London.  
Reference T1711391, dated 25-JAN-2018.



An electronic copy of the drawings, appropriately stamped, is available through the ABS Eagle Construct Engineering Manager (O2E) Web portal. If you need to contact ABS regarding this review please email Nikos Vrellos at [nvrellos@eagle.org](mailto:nvrellos@eagle.org).

Very truly yours,

Wei-Biao (Bill) Shi  
Vice President, Global Engineering  
ABS

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Satya Meruva  
Managing Principal Engineer  
Global Engineering – Materials, Welding  
And NDE

CC: ABS Haan



Drawing List

<b>Engineering Office:</b>	London Engineering Department	
<b>Submitter:</b>	KARL DIEDERICHS KG (105032)	
<b>Drawing No</b>	<b>Revision No</b>	<b>Drawing Title</b>
Correspondence	-	Plan Approval Request Form - Renewal 2017
ABS Mmdb approval request 015 Renewal Forging - KD	-	No changes confirmation
PO 675070	-	PO no. 675070
Correspondence	-	fee arrangements
Reference cmbd	-	Reference cmb
ABS material certificates	-	ABS material certs
HN3396072_Remscheid PS	-	Plant Survey
ISO 9001 KD englisch	-	ISO 9001
Previous Approval-KARL DIEDERICHS KG Remscheid & Soennecken	-	Previous Approval