



CERTIFICATE NUMBER  
FDRY-T2250672

ISSUING OFFICE  
Rotterdam Materials Eng

# CERTIFICATE OF FOUNDRY FACILITY AND PROCESS APPROVAL

This is to certify that a representative of ABS did, at the request of  
**DEUTSCHE EDELSTAHLWERKE SPECIALTY STEEL GMBH & CO.  
KG**

OBERE KAISERSTRASSE, SIEGEN, Germany, 57078

attend its facilities as indicated in the ABS Hamburg Port port office survey report number 5137873 dated 08 February 2022 in order to carry out a survey of the facilities and associated quality procedures. The facility is considered capable of manufacturing

## ***Steel Casting and Stainless Steel Casting components for marine applications***

in accordance with the ABS Approval letter (Reference T2250672), ABS Rules, designated standards and ABS approved drawings. The approval is valid till 15 February 2027 subject to adherence to relevant ABS Rules, Survey requirements and annual endorsement by an ABS representative.

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

ISSUE DATE: 08 February 2022  
EXPIRY DATE: 15 February 2027

FIRST ANNUAL  
ENDORSEMENT:

SECOND ANNUAL  
ENDORSEMENT:

THIRD ANNUAL  
ENDORSEMENT:

FOURTH ANNUAL  
ENDORSEMENT:

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, 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. This Certificate is a representation only that the structure, item of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, Guides, standards or other criteria of ABS as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a full description of any restrictions or limitation on the vessel's service or surveys. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of ABS who shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.



**Task – T2250672, T2206990**  
**Foundry Facility Approval - Renewal**  
**Certificate No. FDRY- T2250672**

Attention: Joanna.Krzanowska, DEUTSCHE EDELSTAHLWERKE SPECIALTY STEEL GMBH & CO. KG, SIEGEN, (WCN 755746)

The documents shown in the attached list are reviewed or filed for reference in accordance with the applicable requirements of the following and the facility is considered approved to manufacture castings for machinery components as outlined in the process/product approval.

1. ABS Rules for Materials and Welding Part 2 (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.

For any clarifications, contact Nikolaos Vrellos at +31 6827 49049, [nvrellos@eagle.org](mailto:nvrellos@eagle.org).

Very truly yours,

Wei-Biao (Bill) Shi  
Vice President

Electronically Signed by: Satya Meruva

### Documents List

Drawing No.	Rev. No.	Title	Status
ISO 9001	-	Supporting Information	Filed by ABS for Reference Only
Correspondence	-	Request for Approvals	Correspondence
PO 4500874180_Signed Application	-	Supporting Information	Filed by ABS for Reference Only
No Non-Conformances, No Change Confirmation	-	Client email statement	Reviewed
TUV Nord	-	Inspection Certificate	Filed by ABS for Reference Only
Material Stats	-	Product Certificates	Filed by ABS for Reference Only

An electronic copy of the documents appropriately stamped will be returned by FTP/e-mail.

### Process/Product Approval

<b>Grade</b>	Non-ABS Grades: - Carbon, C-Mn & Alloy Steel - Stainless Steel; Austenitic, Martensitic, Ferritic, Duplex
<b>Melting Practice</b>	ESR (Electro-Slag Remelting), EAF (Electric Arc Furnace)
<b>Casting Practice</b>	Ingot Casting / Continuous Casting
<b>Maximum Weight</b>	11,500 kg (ESR) / 36.000 kg (Ingots)
<b>Maximum Thickness/ Diameter</b>	Dia: 680 mm (ESR) 265 x 265 mm (Continuous Casting)
<b>Heat treatment facility</b>	In-house
<b>Application Examples</b>	Ingots / Semi-finished products

Note: Weld repairs and PWHT, if applicable, to ABS certified castings are to be approved prior to commencing the repair.

Include: Manufacturer Approval Certificate (FDRY- T2250672)