



CERTIFICATE NUMBER
FOR-T2311051
ISSUING OFFICE
Yokohama SED

CERTIFICATE OF FORGING FACILITY AND PROCESS APPROVAL

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

BERTOLONI & BOTTURI SRL

VIA EMBLEGNA 24/26, GAVARDO, Italy, 25085

attend its facilities as indicated in the ABS Genoa Port port office survey report number 5277391 dated 11 October 2022 in order to carry out a survey of the facilities and associated quality procedures. The facility is considered capable of manufacturing

Steel Forging components for marine applications

in accordance with the ABS Approval letter (Reference T2311051), ABS Rules, designated standards and ABS approved drawings. The approval is valid till 10 October 2027 subject to adherence to relevant ABS Rules, Survey requirements and annual endorsement by an ABS representative.

Marcus Cridland
Chief Metallurgist, ABS

ISSUE DATE: 11 October 2022

EXPIRY DATE: 10 October 2027

FIRST ANNUAL
ENDORSEMENT:

SECOND ANNUAL
ENDORSEMENT:

THIRD ANNUAL
ENDORSEMENT:

FOURTH ANNUAL
ENDORSEMENT:



A. Bucella 2023-12-04

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 – T2311051
Forge Facility Approval - Initial
Certificate No. FOR-T2311051

Attention: BERTOLONI & BOTTURI SRL (WCN 474380)

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 forgings for machinery components as outlined in the process/product approval.

1. ABS Rules for Materials and Welding Part 2 (2022)
2. ABS MOU Rules (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 Satya Meruva at +1 281 877 6656, smeruva@eagle.org.

Very truly yours,

Wei-Biao (Bill) Shi
Vice President

Electronically Signed by: Satya Meruva

Documents List

Drawing No.	Rev. No.	Title	Status
Correspondence	-	Request for Approval	Correspondence
Submittals for Forge Approval	-	Forge Approval	Reviewed
Hot forging process	-	Hot forging process	Reviewed
Presentation	-	Client Profile	Filed by ABS for Reference Only
Functional Organization Chart_revised 11-2020	-	Supporting Information	Filed by ABS for Reference Only
Technical data sheet	-	Technical data sheet	Filed by ABS for Reference Only
PO nr.0690_Signed Application	-	Supporting Information	Filed by ABS for Reference Only
406087_MPS_en_09-2022	-	Report MPS	Filed by ABS for Reference Only
406088_MPS_en_09-2022	-	Report MPS	Filed by ABS for Reference Only
406089_MPS_en_09-2022	-	Report MPS	Filed by ABS for Reference Only
Elenco procedure	-	Procedure List	Filed by ABS for Reference Only
IM4P00-27_10-06 2022	-	Procedure for Ultrasonic Examination of Steel Forgings and Steel Bars	Filed by ABS for Reference Only
ISO 9001_2023	-	Supporting Information	Filed by ABS for Reference Only
ISO_9712_BERTOLINI_LEV3_UT	-	Supporting Information	Filed by ABS for Reference Only
M3P02_01-2018	-	Standard Process Flow	Filed by ABS for Reference Only

Electronic copies of the documents appropriately stamped, are available in the ABS Client Portal.

Process/Product Approval

Grade	Non-ABS – Low Alloy Steels
Melting Practice	ABS Approved Sources
Casting Practice	ABS Approved Sources
Manufacturing Practice	Closed Die Forge
Maximum Weight	250 kg
Maximum Thickness/Diameter	220 mm dia
Heat Treatment Facility	Sub-contracted Heat Treatment Facility approved by ABS
Product Examples	Machinery applications, such as gear, pinions, shafts, etc

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

Include: Manufacturer Approval Certificate (FOR-T2311051)