

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No: **AMMM00002SF** Revision No:

This is to certify:

That

BERTOT S.p.A.

Via Robaronzino 41bis, 10073 Cirie', TO, Italy

is an approved manufacturer of **Steel Forgings**

in accordance with

DNV rules for classification – Ships

DNV class programme – DNV-CP-0247 Steel forgings

and the following particulars:

Application area Forgings for shafting and machinery,

Stainless steel forgings

Steel type Alloy,

Austenitic stainless,

Forging method Ferritic-austenitic (duplex) stainless
Open die forging/closed die forging

Max. weightSee page 2Heat treatment conditionSee page 2

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules. Materials to be applied to DNV classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at Hamburg on 2023-06-22

for DNV

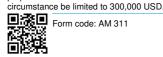
This Certificate is valid until 2026-06-30.

DNV local unit: Italy/Malta CMC

Approval Engineer: Andreas Koch

Thorsten Lohmann

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Head of Section



Job Id: Certificate No:

263.11-010740-2 AMMM00002SF

Revision No:

Particulars of the approval

Forgings for shafting and machinery

Steel type	Grade 3)	Forging method 1)	Max. weight [kg]	Heat treatment condition 2)
Alloy	NV F600A, NV F700A, NV F800A, NV F900A, NV F1000A, NV F1100A	OD, CD	180	QT

Stainless steel forgings

Steel type / grade ⁴⁾	Forging method 1)	Max. weight [kg]	Heat treatment condition 2)
Austenitic stainless	OD, CD	180	SHT
22 Cr duplex	OD, CD	180	SHT
25 Cr duplex	OD, CD	180	SHT

Remarks:

- OD: Open die forging; CD: Closed die forging
- QT: Quenched and tempered; SHT: Solution Heat Treated (Solution Annealing)
- 3) Incl. equivalent grades in acc. to other standards
- Stainless steel forgings shall be in accordance with recognized standards, e.g. EN 10222, ASTM A473/A965/A1049 and JIS G 3214, provided that supplementary requirements contained herein are also met.

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