

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00000JH
Revision No:
1

This is to certify:

That

Forgia Rezzatese S.r.l.
Calcinato BS, Italy

is an approved manufacturer of
Steel Forgings

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Product	Open die forgings
Steel type(s)	Carbon and carbon-manganese Alloy
Max. weight	10 000 kg
Delivery Condition	Quenched and tempered
Remarks	See particulars of the approval

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules.

This Certificate is valid until **2019-05-31**.

Issued at **Hamburg** on **2016-05-20**

DNV GL local station: **Milan**

Approval Engineer: **Stefan Röhr**

for **DNV GL**

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Thorsten Lohmann
Head of Section

Job Id: **263.11-005873-1**
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Particulars of the approval

Forgings:

Grade	Product	Supply Condition	Thickness [mm], max.	Weight [kg], max.	Length [mm], max.
Forgings for hull structures and equipment					
F400UW, F440UW, F480UW, F520UW, F560UW, F600UW	FF	N, N+T, Q+T	800	10000	8000
F550AW, F600AW, F650AW	FF	Q+T	800	10000	8000
Forgings for shafting and machinery					
F400U, F440U, F480U, F520U, F560U, F600U, F640U, F680U, F720U, F760U	FF	N, N+T, Q+T	800	10000	8000
F600A, F700A, F800A, F900A, F1000, F1100A	FF	Q+T	800	10000	8000
Alloy steels					
Low-alloy chromium and chromium-molybdenum steels acc. to EN 10083-3 (up to 42CrMo4)	FF	Q+T	800	10000	8000
Low-alloy chromium and chromium-molybdenum steels acc. to EN 10250-3 (up to 42CrMo4)	FF	Q+T	800	10000	8000

FF: open die forgings (incl. bars)

N: normalized

N+T: normalized + tempered

Q+T: quenched + tempered