



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM0000396

This is to certify:

That

oso precision GmbH
In den Hofwiesen 13,
58840 Plettenberg,
Germany

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
Steel type	Carbon and carbon-manganese, Alloy
Forging method	Closed die forging
Max. weight	See page 2
Heat treatment condition	See 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 **2025-03-24**

This Certificate is valid until **2028-03-23**.

DNV local unit: **Essen**

Approval Engineer: **Christian Wildhagen**



for **DNV**

This document has been digitally signed and will
therefore not have handwritten signature

Stefan Röhr

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

Particulars of the approval

Forgings for shafting and machinery

Steel type	Grade ²⁾	Forging method ¹⁾	Max. weight [kg]	Heat treatment condition
C and C-Mn	C70S6 acc. client/maker specification	CD	10	As forged
Alloy	46MnVS6 mod. acc. client/maker specification	CD	10	As forged

Remarks:

- ¹⁾ CD: Closed die forging
- ²⁾ For approved applications