

APPROVAL OF MANUFACTURER CERTIFICATE

This is to certify:

That

**Morris Bean & Company
Yellow Springs OH, USA**

is an approved manufacturer of
Aluminium Alloy Castings

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Application area	Aluminium Casting Alloys
Alloys	Al-Si-Mg
Manufacturing method	Sand casting
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 GL classed object shall fulfill the material requirements in the applicable DNV GL class rules.

Issued at **Hamburg** on **2020-06-10**

for **DNV GL**

This Certificate is valid until **2023-06-09**.

DNV GL local station: **Houston**

Approval Engineer: **Stefan Röhr**

**Thorsten Lohmann
Head of Section**

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Job Id: **263.11-004870-2**
Certificate No: **AMMM00002S6**

Particulars of the approval

Aluminium alloy castings

Grades / alloy type	Casting method ¹⁾	Max. weight [kg]	Delivery condition ²⁾
Al-Si-Mg	SC	1000	F, T6

Remarks:

- 1) SC: Sand casting
- 2) F: As cast condition; T6: solution heat treated and completely artificially aged