



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00002YU
Revision No:
1

This is to certify:

That

FACES S.p.A.
Via delle Industrie, 23
30020 Marcon, VE,
Italy

is an approved manufacturer of
Steel Castings

in accordance with
DNV rules for classification – Ships

and the following particulars:

Application area	Castings for hull structures and equipment, Castings for machinery, Castings for boilers, pressure vessels and piping systems, Ferritic steel castings for low temperature service, Stainless steel castings
Steel type	Carbon and carbon-manganese, Martensitic stainless, See page 2
Casting method	Sand casting, See page 2
Max. weight	See page 2
Max. wall thickness	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 **2022-05-23**

for **DNV**

This Certificate is valid until **2025-04-24**.

DNV local station: **Italy/Malta CMC**

Approval Engineer: **Christian Wildhagen**

Thorsten Lohmann
Head of Section

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Page 1 of 2

Particulars of the approval

Castings for hull structure and equipment

Steel type	Grade ³⁾	Casting method ¹⁾	Max. weight [kg]	Max. section / wall thickness [mm]	Heat treatment condition ²⁾
C and C-Mn	NV C400UW, NV C440UW, NV C480UW	SC	1900	100	N, QT

Castings for machinery

Steel type	Grade ³⁾	Casting method ¹⁾	Max. weight [kg]	Max. section / wall thickness [mm]	Heat treatment condition ²⁾
C and C-Mn	NV C400U, NV C440U, NV C480U	SC	1900	100	N, QT

Castings for boilers, pressure vessels and piping systems

Steel type	Grade ³⁾	Casting method ¹⁾	Max. weight [kg]	Max. section / wall thickness [mm]	Heat treatment condition ²⁾
C and C-Mn	NV C450H, NV C490H	SC	1900	100	N, QT

Stainless steel castings

Steel type ³⁾	Casting method ¹⁾	Max. weight [kg]	Max. section / wall thickness [mm]	Heat treatment condition ²⁾
Martensitic	SC	1900	100	QT

Steel castings acc. other standards

Steel type	Casting method ¹⁾	Max. weight [kg]	Max. section / wall thickness [mm]	Heat treatment condition ²⁾
Steel acc. to ASTM A352 for low temperature service				
LCA, LCB	SC	1900	100	N, QT
Steel acc. ASTM A487				
CA6NM Class A	SC	3 000	100	QT

Remarks:

- ¹⁾ SC: Sand Casting
- ²⁾ SHT: Solution Heat Treated (Solution Annealing)
N: Normalised
QT: Quenched and tempered
- ³⁾ Incl. equivalent grades in acc. to other standards