

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00000BD
Revision No:
2

This is to certify:

That
A.C.P. S.p.A.
Cividate al Piano (BG), Italy

is an approved manufacturer of
Steelmaking

in accordance with
DNV GL rules for classification – Ships
DNVGL-OS-B101 – Metallic materials

and the following particulars:

Application area	Steelmaking
Product	Semi-finished Products
Steel type	Carbon, Carbon-Manganese, Alloy, Austenitic Stainless
Manufacturing method	Electric Arc Furnace, Ingot or Continuous Casting
Deoxidation	Killed
Fine grain elements	Al, Al+V or acc. to standard
Heat treatment condition	See page 2
Max. thickness/diam.	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 **2019-09-27**

for **DNV GL**

This Certificate is valid until **2020-12-31**.

DNV GL local station: **Milan**

Approval Engineer: **Stefan Röhr**

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Thorsten Lohmann
Head of Section



Job Id: **263.11-004734-9**
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Particulars of the approval

Semi-finished products

Steel type	Product	Steel making ^{1) 2)}	Max weight [kg]	Max. thickness [mm]	Heat treatment condition ³⁾
C and C-Mn	Ingot	EAF, IC	160 000	2 400	AC
Alloy	Ingot	EAF, IC	160 000	2 400	AC
Austenitic stainless	Ingot	EAF, IC	160 000	2 400	AC
Alloy	Slabs, billets	EAF, CC	2 000	140	AC

Remarks:

- 1) EAF: Electric Arc Furnace; CC: Continuous Casting; IC: Ingot Casting
- 2) Fine grain elements: Al, Al+V or acc. to standard
- 3) AC: As cast