

# APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:  
**AMMM00000BD**  
Revision No:  
**1**

**This is to certify:**

That  
**A.C.P. SRL**  
**CIVIDATE AL PIANO BG, Italy**

is an approved manufacturer of  
**Steelmaking**

in accordance with  
**DNV GL rules for classification – Ships**  
**DNV GL offshore standards**

and the following particulars:

<b>Product Grade(s)</b>	<b>Semi-finished Products</b>
	<b>Carbon, Carbon-Manganese, Alloy,</b>
	<b>Austenitic Stainless</b>
<b>Steelmaking</b>	<b>Electric Arc Furnace</b>
	<b>Ingot or Continuous Casting</b>
<b>Deoxidation</b>	<b>Killed</b>
<b>Fine grain elements</b>	<b>Al, Al+V or acc. to standard</b>
<b>Delivery conditions</b>	<b>As cast</b>
<b>Max. thickness/diam.</b>	<b>2400 mm</b>
<b>Remarks</b>	<b>See particulars</b>

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 **2017-11-27**

for **DNV GL**

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

DNV GL local station: **Milan**

Approval Engineer: **Stefan Röhr**

**Thorsten Lohmann**  
**Head of Section**



Job Id: **263.11-004734-8**  
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## Particulars of the approval

### Semi-Finished Products:

Grade <sup>1)</sup>	Product	Supply Condition	Casting Method	Thickness [mm], max.	Weight [kg], max.	Deoxidation	Microalloy
C and C-Mn Steels	HZ	AC	IC	2400	160000	killed	acc. to standard
Alloy Steels	HZ	AC	IC	2400	160000	killed	acc. to standard
Austenitic Stainless Steels	HZ	AC	IC	2400	160000	killed	acc. to standard
Hull Structural Steels	HZ	AC	CC	140	2000	killed	acc. to standard

HZ: raw ingots / billets

AC: as cast

CC: continuous casting

IC: ingot casting

### Remarks:

<sup>1)</sup> Steel grades of unalloyed, low alloy and austenitic stainless steels incl. normal and higher strength hull structural steels cover the supply of semi-finished products for materials used for construction of vessels and fabrication of offshore structures incl. their equipment. The final processing mill is responsible for ordering steel which complies with their approved chemical composition and enables them to achieve the required mechanical properties.