

# APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:  
**AMMM000035H**

This is to certify:

That

**Arvedi Tubi Acciaio S.p.A.**

**Via Acquaviva, 3 Zona Porto Canale, 26100 Cremona, CR,  
Italy**

is an approved manufacturer of  
**Steel hollow sections**

in accordance with

**DNV rules for classification – Ships**

**DNV-OS-B101 – Metallic materials**

**DNV class programme – DNV-CP-0347 Steel hollow sections**

and the following particulars:

<b>Application area</b>	<b>Normal strength steel, High strength steel</b>
<b>product</b>	<b>Structural hollow sections</b>
<b>Steel type</b>	<b>Carbon and carbon-manganese</b>
<b>Manufacturing method</b>	<b>Electric resistance welding Hot finished Cold formed</b>
<b>Max. outer diameter</b>	<b>See page 2</b>
<b>Max. wall thickness</b>	<b>See page 2</b>
<b>Heat treatment condition</b>	<b>See page 2</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 classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at **Hamburg** on **2024-04-23**

This Certificate is valid until **2027-04-22**.

DNV local unit:

Approval Engineer: **Dechun Lou**



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**

---

**Structural hollow sections**

Steel type <sup>3)</sup>	Product	Manufacturing method <sup>1)</sup>	Max. outer diameter [mm]	Max. wall thickness [mm]	Heat treatment condition <sup>2)</sup>
C and C-Mn	Round section	HF ERW	88.9	10	Acc. to standard
		CF ERW	300	16	N
	Square section	CF ERW	300 x 300	16	N
	Rectangular sections	CF ERW	300 x 200	16	N

Remarks:

- 1) HF ERW: hot finished electric resistance welded.  
CF ERW: cold formed electric resistance welded.
- 2) N: Normalised.
- 3) Suitable hollow section grades shall be selected from the following recognised standards:  
ISO 10799 Part 1, ISO 12633 Part 1, EN 10219 Part 1, EN 10210 Part 1, ASTM A500, ASTM A501.