

CERTIFICATE

Welding of railway vehicles and components according to:
EN 15085-2

This Certificate is issued to:

TESIO COOLING SYSTEMS SPA

VIA VITTIME DI PIAZZA DELLA LOGGIA n° 20 – 10024 MONCALIERI
(TO). ITALY

Is qualified to perform welding work within the range of certification of

Certification Level CL1 according to EN 15085-2:2020+A1:2023

Type of activity: D, P, S

Type of components:

Design and manufacture of external support frame and cooling
system unit in aluminum alloy of new railway components

Welding processes and base material groups:

Welding processes according to EN ISO 4063	Base material group to CEN ISO/TR 15608	Dimensions (mm) Thks / Ø	Comments
141	23	$\geq 1 / \geq 25$	BW
141	23	3-16, ≥ 20	FW (a:3.37-8.14)

Responsible welding coordinator (RWC):

Massimo Iovacchini (Level A), External **born:** 1964

Deputy welding coordinator (DWC):

Giuseppe Caiafa (Level C)

born: 1982

Comments: see reverse.

Certificate No: LRQA/15085/CL1/0375/24/0A1

Valid: from 13 August 2025 to 23 December 2027

Issued on: 13 August 2025

Auditor: Paolo Molli

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Juan Antonio Pozo – Head of MCB

General regulations (see annex)

Annex certificate No: LRQA/15085/CL1/0375/24/0A1

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Welding processes according to EN ISO 4063	Base material group to CEN ISO/TR 15608	Dimensions (mm) Thks / Ø	Comments
141	23	Pipe 1.5 ÷ <6,0 Flange 3,0 ÷ <30,0 / ≥ 25.0	FW (a:1,5-3)
141	24.2 -22	6-7,5	BW partial penetration
141	23-22	3-12	BW
141	21-22	3-16	BW
141	24-22	t1 >3,0 ÷ <8.0; t2 >3,0 ÷ <12.0	FW (a:2.88-5.77)
<u>141</u>	<u>23</u>	---	<u>PLUG WELD (s: 3-8)</u>
924 (only for info)	22	---	Lap Joint

Comments:

This Certificate is subject to monitoring of compliance by LRQA Iberia Inspection S.A. as required by the standard EN 15085-2:2020+A1:2023

Performance class limited to CPC2

Small manufacturer in accordance with EN15085-2 Annex C

General regulations

according to EN 15085-2:2020+A1:2023

Revocation of the Certificate

The manufacturer certification body issuing this certificate may revoke the certificate if:

- there are justified doubts as to the proper execution of the welding work according to the stated Standards,
- there are justified doubts as to the proper welding coordination according to the stated standards,
- no recognized welding coordinator is available any longer,
- no valid qualification test certificates for the welders and welding operators according to the specified standards are available,
- welders or welding operators without tested qualifications have been entrusted with the execution of welding work under the stated standards,
- other conditions according to the stated standards are no longer satisfied,



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- the manufacturer certification body was refused an opportunity to perform the annual verification,
- the welding manufacturer waives the certificate,

The welding manufacturer shall acknowledge the revocation in writing to the manufacturer certification body. If a valid certificate is to be renewed, the renewal must be applied for with the manufacturer certification body at least three months before the end of the period of validity of the current certificate.

Distribution list:

1. Applicant (original- Email)
2. LRQA Inspection Iberia Madrid