

C E R T I F I C A T E

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

TÜVRh/15085/CL1/201/10/6

TÜV Rheinland Industrie Service GmbH hereby certifies that the welding company

CMASA Construcciones Mecánicas Aragonesas S.A.
C/ Ariza, 4
50011 Zaragoza
Spain

fulfills the requirements
for the scope according to

EN 15085-2 classification level CL1
in the type of activity P
in the range indicated in the annex.

validity: 2022-06-11 until 2025-06-10

Cologne, 2022-06-08
Place and date of issue

Lead auditor: Dipl.-Ing. (FH) DEDERICHS

signed on original
Dipl.-Ing. MAKOWKA
Head of certification body

ECWRV

Scope of the certificate

TÜVRh/15085/CL1/201/10/6

Scope:

Welding process according to EN ISO 4063	Material group according to CEN ISO/TR 15608	Dimensions	Remarks
135	1.2	$t \geq 3$ mm $D \geq 10$ mm	FW, partly mechanized
	1.2	$t = 3 - 60$ mm $D \geq 25$ mm	BW, partly mechanized
	8.1 X120Mn12	$t = 2 - 10$ mm $t = 3 - 12$ mm	partly mechanized, ./. FW, partly mechanized
141	1.2	$t = 3 - 20$ mm $D \geq 25$ mm	manually, ./.

Area of Application:

- New build of parts for railway vehicles
 - draw gears
 - anticlimbers
 - axel-boxes, spring supports, wheelset mountings,
 - supporting parts for vibration dampers
 - obstacle deflectors
 - supporting frames for external equipment parts

Responsible welding coordinator(s):

Francisco Aznarez Romeo, Level A (IWE) [external] born: 1982

1st deputy(ies) of the responsible welding coordinator(s):

Jose Luis Ibañez Plou, Level C born: 1965

Others deputies:

Luis Manuel Gracia Forcada, Level C born: 1972

Remarks:

The welding coordinator Francisco Aznarez Romeo is entitled to test welders / operators in accordance with the relevant standards within the scope of this certificate.

Register no.:

TÜVRh/15085/CL1/201/10/6

General provisions:

The General Terms and Conditions of the TÜV Rheinland Industrie Service GmbH apply in the currently valid version.

Scope of the certificate

