

# CERTIFICATE

Welding of railway vehicles and  
components according to EN 15085-2:2020

TÜV SÜD/15085/CL1/704/18/2

TÜV SÜD Industrie Service GmbH hereby certifies that the welding company

**AMM MANUFACTURING DOO LUŽNICE**  
**Aleja Milanović bb**  
**34325 Lužnice, Kragujevac**  
**Serbia**

fulfills the requirements  
for the scope according to

EN 15085-2:2020 classification level CL1  
in the type of activity P, S

in the range indicated in the annex.

validity: 2024-01-05 until 2027-01-04

München, 2024-01-05  
Place and date of issue

Lead auditor: M.Sc. STOJČIĆ

signed on original

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Dipl.-Ing. SACK  
Deputy head of certification body

## Scope of the certificate

**Scope:**

Welding process according to EN ISO 4063	Material group according to CEN ISO/TR 15608	Dimensions	Remarks
131	21/23.1 22.3/23.1  22.4/23.1  22.4/23.1  23.1  23.1  23.1	t = 3 - 14 mm t = 1.5 - 12 mm D ≥ 40 mm t ≥ 1.5 mm D ≥ 85 mm t = 1.5 - 40 mm D ≥ 85 mm t ≥ 1.2 mm D ≥ 25 mm t ≥ 1.2 mm D ≥ 52.5 mm t = 1.2 - 24 mm	FW; t2=3-40mm FW; t2=1.2-34mm  BW; t2=1.5-30mm  FW; t2>=1.5mm  FW  BW  BW, fully mechanized
135	1.2 1.2 1.2/1.3  1.2/2.1 1.2/2.1 2.1/2.2 1.2/2.2 1.3/1.4 1.3/2.1 1.2/5.1  1.2/8.1 1.2/8.1  1.3 1.3/8.1 1.3 1.3/8.1 1.4 1.4 2.1 2.1 2.1/2.2 2.1/8.1 2.2 2.2 8.1 8.1	t = 1.5 - 70 mm t ≥ 2.1 mm t = 2.1 - 6 mm D ≥ 10 mm t = 1.5 - 6 mm t = 2.1 - 6 mm t = 2.1 - 6 mm t = 1 - 3 mm t = 1 - 3 mm t = 1 - 3 mm t ≥ 3 mm D ≥ 22.5 mm t = 1.5 - 20 mm t = 2.1 - 20 mm D ≥ 25 mm t = 0.7 - 3 mm t = 0.7 - 3 mm t = 1.5 - 3 mm t = 1 - 4 mm t = 1.2 - 12 mm t = 1.7 - 8 mm t = 1 - 6 mm t = 1.4 - 6 mm t = 1.5 - 10 mm t = 1.4 - 4 mm t = 2.1 - 10 mm t = 3 - 10 mm t = 1 - 24 mm t ≥ 1.4 mm	BW FW FW; t2=1.4-4mm  BW; t2=3-5.2mm FW; t2=3-8mm FW FW; t2=2.1-6mm FW; t2=3-10mm FW; t2=1.4-4mm FW, FW; Robot, t2=3-30mm  BW; t2=1.1-70mm FW; t2>=1.4mm  BW BW; t2=0.7-3mm FW FW; t2=1-12mm BW FW BW FW BW; t2=1.5-6mm FW; t2=3-12mm FW BW BW FW
141	1.1  1.1  1.1/1.2  1.1/1.2  1.1/1.4	t = 1.3 - 5.8 mm D ≥ 21 mm t = 1.8 - 8 mm D ≥ 4 mm t = 1.8 - 8 mm D ≥ 4 mm t = 1.3 - 5.8 mm D ≥ 21.2 mm t = 3 - 8 mm D ≥ 4 mm	BW  FW  FW; t2=2.1-36mm  BW; t2=3-50mm  FW; t2=1.4-4mm

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141	1.1/8.1	t = 1.3 - 5.8 mm	BW; t2=1.3-24mm	
	1.1/8.1	D ≥ 10.6 mm t = 1.8 - 36 mm	FW; t2>=3mm	
	1.2	D ≥ 4 mm t = 1 - 50 mm	FW	
	1.2	D ≥ 4 mm t = 1.2 - 80 mm	BW	
	1.2/1.3	D ≥ 13 mm t = 1.8 - 5.2 mm	FW; t2=1-3mm	
	1.2/1.4	D ≥ 21.2 mm t = 3 - 40 mm	FW; t2=3-10mm	
	1.2/8.1	D ≥ 10 mm t = 1.4 - 16 mm	FW; t2>=3mm	
	1.2/8.1	D ≥ 5 mm t = 3 - 12 mm	BW; t2=7.5-30mm	
	1.3	D ≥ 15 mm t = 0.7 - 3 mm	BW	
	1.3	t = 1 - 3 mm	FW	
	1.3/1.4	t = 1.5 - 3 mm	FW; t2=3-10mm	
	1.3/8.1	t = 0.6 - 3 mm D ≥ 20 mm	BW; t2=0.7-4mm	
	1.3/8.1	t = 1.05 - 3 mm D ≥ 16 mm	FW; t2=1-4mm	
	1.4/8.1	t = 3 - 10 mm D ≥ 10 mm	FW; t2=1.4-4mm	
	2.2	t = 1.5 - 6 mm	BW	
	2.2/8.1	t = 2.1 - 6 mm	FW; t2=1-3mm	
	21/22.4	t = 3 - 14 mm	FW; t2=3-16mm	
	21/23.1	t = 3 - 14 mm	FW; t2=1-5mm	
	22.3	t = 1 - 4 mm	FW	
	22.3/23.1	t = 1.5 - 6 mm D ≥ 38 mm	BW; t2=3-40mm	
	22.3/23.1	t = 1.5 - 12 mm D ≥ 10 mm	FW; t2=1.2-40mm	
	22.4/23.1	t = 3 - 16 mm D ≥ 10 mm	FW; t2=3-12mm	
	22.4/23.1	t = 3 - 20 mm	BW; t2=3-20mm	
	23.1	t ≥ 1.2 mm D ≥ 5.5 mm	BW	
	23.1	t ≥ 1.2 mm D ≥ 10 mm	FW	
	24.2	t = 3 - 20 mm D ≥ 37.5 mm	BW	
	8.1	t = 1 - 24 mm D ≥ 16.8 mm	BW	
	8.1	t ≥ 1.4 mm D ≥ 2.5 mm	FW	
	43	23.1	t = 4 mm	-
		23.1	t = 8 mm	-
		23.1	t = 15 mm	-
23.1		t = 18 mm	-	

## Scope of the certificate

Welding process according to EN ISO 4063	Material group according to CEN ISO/TR 15608	Dimensions	Remarks
43	23.1	t = 25 mm	-
783	1.3/8.1	t = 2 mm	8.1 M10
784	8.1	t = 2 mm	M6

**Area of Application:**

- New build of railway vehicles and their components
- Purchase and supply of welded components

**Responsible welding coordinator(s):**

Filip Acimovic, Level A (IWE) born: 1977

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

Bratislav Vlatkovic, Level A (IWE) born: 1978

**Others deputies:**

Dusan Tucakovic, Level A (IWE) born: 1990  
 Vladimir Milojkovic, Level C born: 1988  
 Dragan Andjelkovic, Level C born: 1985  
 Milan Jokic, Level C born: 1976  
 Ivan Mijailovic, Level C born: 1980  
 Ivan Andjelkovic, Level C born: 1981  
 Pedrag Jovanovic, Level C born: 1975  
 Marko Mitic, Level C born: 1998  
 Nenad Raketic, Level B (IWT) born: 1973  
 Dragan Simovic, Level C born: 1975  
 Nemanja Radovanovic, Level C born: 1986  
 Vladan Radosavljevic, Level C born: 1991  
 Nikola Obradovic, Level C born: 1989  
 Mihajlo Jelic, Level C born: 1999  
 Nikola Slavkovic, Level C born: 2001  
 Dusan Milojevic, Level C born: 1997  
 Dragan Stanojevic, Level A (IWE) born: 1997  
 Petar Ljusic, Level A (IWE) born: 1994  
 Nikola Jovanovic, Level B (IWT) born: 1995  
 Nikola Palic, Level A (IWE) born: 1993  
 Nikola Drincic, Level A (IWE) born: 1996  
 Jovan Vujovic, Level C born: 1998  
 Nikola Cvetkovic, Level C born: 1999  
 Milan Stepic, Level C born: 1990  
 Darko Klickovic, Level C born: 1994  
 Dusan Adzic, Level C born: 1984  
 Stefan Trmčić, Level C born: 1993

**Remarks:**

The welding coordinators Filip Acimovic, Bratislav Vlatkovic are authorised, within the scope of this certificate, to test welders/operators in accordance with the relevant standards.

## Scope of the certificate

**Register no.:**

TÜV SÜD/15085/CL1/704/18/2

**General provisions:**

The current version of the TÜV SÜD Group's testing and certification regulations apply.

