

Certificate

TÜVNORD/15085/CL1/106/09/4A2

Report no. / Manufacturer no. / Validity notice: 8122171492 / TN2430 / 2023-12-08 - 2024-12-16

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

TÜV NORD Systems GmbH & Co. KG hereby certifies that the welding company

**AQ Electric AD
Rajko Daskalov 68
2400 Radomir
Bulgaria**the requirements of the TNS-EN15085 certification scheme
for the scope**EN 15085-2:2020 classification level CL1
in the type of activity P**

fulfilled to the extent specified in the appendix.

Lead auditor:
Dipl.-Ing. ZABROCKI

Hamburg, 2023-12-08



certification body, Dipl.-Ing. (FH) ROHARDT

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Scope of the certificate

TÜVNORD/15085/CL1/106/09/4A2

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Scope:

Welding process according to EN ISO 4063	Material group according to CEN ISO/TR 15608	Dimensions	Remarks
131	1.1 8/1.1	t = 1 - 3 mm t = 3 - 12 mm	FW, BW, (on Zink surface) FW
135	1.1 1.2 1.2 1.2/8.1 8.1	t = 0.7 - 24 mm t = 3 - 50 mm t = 3 - 20 mm t = 3 - 20 mm t = 1 - 12 mm	FW, BW FW, BW FW, robotic FW FW, BW
138	1.2	t = 3 - 16 mm	FW, robotic
141	1.1 1.2 22 22.3 23.1 8.1 8.1	t = 1.4 - 6 mm t = 3 - 12 mm t = 3 - 10 mm t = 0.5 - 6 mm t = 1.5 - 6 mm t = 1 - 6.5 mm t = 0.7 - 18 mm	FW, BW FW, BW FW, BW FW, BW FW, BW FW, BW FW
21	1.1, 8 1.1 22.3 8.1	t = 0.3 - 2 mm t = 1 - 2 mm t = 2 - 3 mm t = 1 mm	TECNA TE 90 TECNA TYP 4625N SVGP 658 SNP + EK 61/M 109.401 TECNA 7913
23	8 8	t ≤ 2 mm t ≤ 3 mm	M5, M6 - SVGP 658 SNP + EK 61/M 109.401 M10 - SVGP 658 SNP + EK 61/M 109.401
783	1.1	t ≥ 3 mm	M12
784	8.1	-	M4x16, M6x10 mm, SOYER Stud Welder BMS-8N
786	1.1, 8.1	t ≥ 0.5 mm D = 3 - 8 mm	LBS + PKM - 1B

Area of Application:

- New build of components for railway vehicles

Responsible welding coordinator(s):

Ivan Yordanov Mariyanov, Level A (IWE)

born: 1975-10-04

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

Aneta Welinowa-Metodiewa, Level A (IWE)

born: 1979-08-16

Others deputies:

Lyubomir Tanyov Lyubchov, Level C (IWS)

born: 1983-02-16

Viktor Yordanov Borisov, Level C (IWS)

born: 1974-10-19

Vasil Nikolov Sapundzhiev, Level C (IWE)

born: 1965-11-23

Remarks: