



AC 161



Polska

CERTIFICATE

WELDING OF RAILWAY VEHICLES AND COMPONENTS acc. EN 15085-2:2007

Manufacturer: **ZUGIL Spółka Akcyjna**
ul. Sieradzka 56
98-300 Wieluń, Poland

Production plant: ul. Kolejowa 1
46-040 Ozimek, Poland

fulfills the requirements to perform welding work within the range

Certification level CL1 according to EN 15085-2:2007

Field of application: Manufacturing of:
 - rail vehicles and their components
 - non-pressurised containers without special test pressure
 - simple parts of rail vehicles
 - parts or purchased parts of rail vehicles
 - construction parts of rail vehicles

Range of approval:

Welding process acc. EN ISO 4063	Material group acc. ISO/TR 15608	Dimensions	Notes
111	1.2	3,0 – 22,0 / Ø ≥ 54,0	---
111	1.2	3,5 – 15,0	FW
111	8.1	3,0 – 12,0	---
111	8.1	≥ 5,0	FW

Continuation of the range of approval on the subsequent page

Welding coordinator:	Jarosław Zakrzewski, EWE
Deputy of welding coordinator:	Mariusz Mydlarz, IWT
Additional coordinators:	See reverse
Certificate no.:	TSP-15085-085.00
Valid:	From 15.07.2019 to 14.07.2022
Next surveillance audit:	Until 11.07.2020
Date of issue:	15.07.2019
Auditor:	Artur Labus

Mieczysław Obiedziński
Deputy CEO



(PP05-F03-15085 issue.4 valid from 01-10-2018)

TÜV SÜD Polska Sp. z o.o.
ul. Podwale 17
00 – 252 Warszawa



Range of approval (continuation):

Welding process acc. EN ISO 4063	Material group acc. ISO/TR 15608	Dimensions	Notes
131	1.1 + 8.1	2,1 – 7,2	FW
131	8.1	1,0 – 2,0	---
131	8.1	1,0 – 7,5	FW
135	1.2	1,4 – 170,0 / $\varnothing \geq 25,0$	---
135	1.2	$\geq 1,4$	FW
135	1.4	1,4 - 50,0 / $\varnothing = 10,0 – 40,0$	---
135	1.4	$\geq 1,4 / \varnothing = 10,0 – 40,0$	FW
135	2.1	3,0 - 80,0	---
135	2.1	$\geq 5,0$	FW
135	2.2	2,1 – 24,0 / $\varnothing \geq 30,0$	---
135	2.2	2,1 – 24,0 / $\varnothing \geq 30,0$	FW
135	3.1	10,0 – 160,0	---
135	3.1	$\geq 5,0$	FW
135	3.2	3,0 – 70,0	---
135	3.2	10,0 – 24,0	FW
136	8.1	2,1 – 60,0	---
136	8.1	$\geq 1,4 / \varnothing \geq 28,0$	FW
136	1.2 + 8.1	3,0 – 8,0	---
136	1.2 + 8.1	3,0 – 16,0	FW
136	2.2 + 8.2	4,0 – 16,0	FW
136	3.1 + 8.1	$\geq 5,0 / \varnothing \geq 25,0$	FW
138	1.2	3,0 – 140,0 / $\varnothing \geq 54,0$	---
138	1.2	$\geq 1,4$	FW
141	1.2	3,0 – 9,0 / $\varnothing \geq 25,0$	---
141	2.1	3,0 – 24,0	---
141	8.1	1,4 – 24,0 / $\varnothing \geq 25,0$	---
141	8.1	$\geq 1,4$	FW

Additional welding coordinators:

Kazimierz Chudy, IWT

Waldemar Nocoń, IWS

Michał Macherzyński, IWE