



# CERTIFICATE

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

ZE-16083-01-00-EN15085-2019.0070.005

DVS ZERT GmbH hereby certifies that the welding company

**Przedsiębiorstwo Usług Technicznych  
"FIRMUS" sp. z o.o.  
Ul. Wspólna 21  
32-300 Olkusz  
Poland**

fulfills the requirements  
for the scope according to

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

in the range indicated in the annex.

validity: 2023-08-10 until 2025-07-09

Düsseldorf, 2023-08-10  
Place and date of issue

Lead auditor: M.Eng. SWIDER

A handwritten signature in blue ink, appearing to read 'Gurschke', written over a horizontal line.

Dipl.-Ing. GURSCHKE  
Head of certification body

## Scope of the certificate

ZE-16083-01-00-EN15085-2019.0070.005

### Scope:

Welding process according to EN ISO 4063	Material group according to CEN ISO/TR 15608	Dimensions	Remarks
111	1.2	$t \geq 5 \text{ mm}$	FW
135	1.2 1.2 1.2 1.2 3.1 3.1 8.1 8.1	$t \geq 1.4 \text{ mm}$ $t = 1.4 - 24 \text{ mm}$ $D \geq 10 \text{ mm}$ $t = 1.75 - 60 \text{ mm}$ $t = 2.1 - 240 \text{ mm}$ $t = 3 - 12 \text{ mm}$ $D \geq 25 \text{ mm}$ $t = 3 - 40 \text{ mm}$ $t = 7.5 - 120 \text{ mm}$ $t = 1.75 - 40 \text{ mm}$ $t = 3 - 20 \text{ mm}$ $D \geq 10 \text{ mm}$	FW, FW FW, FW BW, BW T Stoß BW BW, BW FW, FW BW, BW BW, BW FW for rod
138	1.2 1.2 1.2, 1.2/2.1 1.2 1.2 1.2 1.2/1.3 1.2/1.3 1.2/1.3 1.2/2.1	$t \leq 5 \text{ mm}$ $D \geq 35 \text{ mm}$ $t = 2 - 50 \text{ mm}$ $D \geq 10 \text{ mm}$ $t \geq 3 \text{ mm}$ $t = 3 - 50 \text{ mm}$ $t = 3 - 120 \text{ mm}$ $t = 15 - 60 \text{ mm}$ $D \geq 50 \text{ mm}$ $t \geq 5 \text{ mm}$ $t = 15 - 60 \text{ mm}$ $t = 20 - 160 \text{ mm}$ $t = 7.5 - 30 \text{ mm}$	FW FW, FW FW, FW BW, BW TBW BW, BW FW, FW BW, BW TBW BW, BW
141	1.1/1.2 1.2 1.2 8.1 8.1	$t = 3 - 16 \text{ mm}$ $D \geq 3 \text{ mm}$ $t = 1 - 24 \text{ mm}$ $D \geq 12.65 \text{ mm}$ $t = 1.4 - 24 \text{ mm}$ $t = 1.4 - 5 \text{ mm}$ $t = 1.4 - 20 \text{ mm}$ $D \geq 16.85 \text{ mm}$	FW, EN ISO 15613 FW, FW FW, FW FW, FW

### Area of Application:

- New build of components for railway vehicles

### Responsible welding coordinator(s):

Mariusz Chmiest, IWE

born: 1978-05-11

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

Rafal Silezin, IWE [external]

born: 1976-05-31

### Others deputies:

Jakub Kwiecien, IWE

born: 1989-05-10

### Remarks:

### Register no.:

DVSZERT/15085/CL1/070/19/1A1

### General provisions:

The General Terms and Conditions of the DVS ZERT GmbH apply in the currently valid version.