



# CERTIFICATE

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

ZE-16083-01-00-EN15085-2017.0178.008

DVS ZERT GmbH hereby certifies that the welding company

**Friedrich Hippe  
Maschinenfabrik und Gerätebau GmbH  
Töpferstraße 25  
49170 Hagen a.T.W.  
Germany**

fulfills the requirements  
for the scope according to

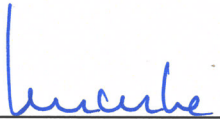
**EN 15085-2:2020 classification level CL1  
in the type of activity D, P, S**

in the range indicated in the annex.

validity: 2023-10-20 until 2025-05-16

Düsseldorf, 2023-10-20  
Place and date of issue

Lead auditor: B.Eng. BERG

  
Dipl.-Ing. GURSCHKE  
Head of certification body

## Scope of the certificate

ZE-16083-01-00-EN15085-2017.0178.008

### Scope:

Welding process according to EN ISO 4063	Material group according to CEN ISO/TR 15608	Dimensions	Remarks
111	1.1	t = 3 - 20 mm	-
131	23	t = 2 - 20 mm	-
135	- - 1.1 1.2 1.2 1.2/8.1, 8.1 2.2 3.1	t = 0.75 - 3 mm t = 3 - 13.5 mm D ≥ 25 mm t = 1.5 - 32 mm D ≥ 25 mm t ≥ 1.5 mm t = 1.5 - 20 mm t = 1 - 20 mm t = 1 - 3 mm t = 4 - 16 mm	BW BW, 42CrMo4, BW BW FW BW - Docol 1400M FW
141	1.2 23 8.1	t = 1 - 8 mm t = 2 - 5 mm t = 1 - 4 mm	- - -
21	1.1 23 8.1	t = 1 mm t = 2 mm t = 1.5 - 6 mm	- - -
24	1.1 1.2 1.2, 1.2/8.1 1.2 1.2	D = 13 - 55 mm D = 26 mm D = 30 mm D = 36 mm D = 55 mm	- - - - -
786	1.1, 1.1/8.1, 8.1 23	t ≥ 0.5 mm D = 3 - 8 mm t ≥ 0.5 mm D = 3 mm	- -

### Area of Application:

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

### Responsible welding coordinator(s):

Gerrit Zilch, IWE

born: 1976-01-30

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

Hans-Georg Herkenhoff, welding engineer

born: 1964-12-18

### Others deputies:

Jürgen Andretzky, IWS  
Daniel Herkenhoff, IWT

born: 1969-07-12

born: 1992-03-31

### Remarks:

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

### Register no.:

DVSZERT/15085/CL1/178/17/2A2

### General provisions:

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