

# C E R T I F I C A T E

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

036

Kiwa Sweden AB hereby certifies that the welding company

**Schunk Carbon Technology AB**  
**Industrigatan 15**  
**364 42 Lenhovda**  
**Sweden**

fulfills the requirements  
for the scope according to

**EN 15085-2 classification level CL1**  
**in the type of activity P, M**

in the range indicated in the annex.

validity: 2022-11-14 until 2025-11-19

Solna, 2022-11-14  
Place and date of issue

Lead auditor: KIHLMARK

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NORDGAARD  
Deputy head of certification body

## Scope of the certificate

036

### Scope:

Welding process according to EN ISO 4063	Material group according to CEN ISO/TR 15608	Dimensions	Remarks
135	1	t ≥ 2.1 mm D ≥ 25 mm	BW/FW, manually
	1	t = 2.1 - 19.8 mm	FW, manually
	8/1.1	D ≥ 12.5 mm t = 2.1 - 16 mm D ≥ 25 mm	BW/FW
141	1	t = 1 - 21.6 mm D ≥ 12.5 mm	FW, manually
	1	t = 2.1 - 6 mm D ≥ 12.5 mm	BW/FW, manually
	1	t = 6.2 - 12.5 mm D = 12.5 - 50 mm	manually, Plug Weld
	22	t = 1.2 - 40 mm D ≥ 12.5 mm	FW, BW, manually
	23	t = 1.2 - 40 mm D ≥ 12.5 mm	FW, manually
	22	t = 1.5 - 6 mm D ≥ 30 mm	BW/FW, manually
	23	t = 1.5 - 32 mm D ≥ 30 mm	BW/FW, manually
	8/1	t = 1 - 28.8 mm D ≥ 7 mm	BW/FW, manually
	8	t ≥ 0.7 mm D ≥ 5 mm	FW, manually
	8	t = 1 - 5.4 mm D = 7.5 - 44 mm	BW/FW, manually

### Area of Application:

- New build, repair and revisions of pantographs

### Responsible welding coordinator(s):

Martin Olsson, IWE [external]

born: 1960-11-10

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

anonymous (The data is known to the certification body.)

### Others deputies:

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### Remarks:

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

### Register no.:

KIWA/15085/CL1/001/10/2

### General provisions:

The General Terms and Conditions of the Kiwa Sweden AB apply in the currently valid version.