ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

TÜV SÜD Industrie Service

CERTIFICATE

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

This is to certify that **Angst + Pfister AG**

Hardhofstraße 31

8424 Embrach
SWITZERLAND

is qualified to perform welding work within the range of certification of:

Certification level CL1 according to EN 15085-2

Field of application:
- New build of railway vehicles and their components:
  - full metal hoses
  - with design, purchase, assembly and resale
  - without repair

Range of certification

Welding process according to EN ISO 4063	Material group according to CEN ISO/TR 15608	Dimensions	Comments
141	8, 8/1.1	t = 0.7 - 1.3 mm D >= 6 mm	nozzle/bellow
	1.1, 1.1/8, 8	t = 0.7 - 8 mm D >= 6 mm	-
	8/43	t = 0.9 - 2 mm	nozzle/bellow

(continuation: see reverse)

Responsible welding coordinator: Gernot Busch (EWE) [external] born: 14.10.1965

Deputy with equal rights: -

Deputy: Manfred Kaiser (EWS) born: 17.02.1964

Certificate no.: TÜV SÜD/15085/CL1/269/3/09

Valid: from 10.09.2018 to 09.09.2021

Issued on: 09.11.2018

Auditor: WEYL

General regulations (see reverse)

Certification Body
Material and Welding Technology

Stangl
Deputy head of certification body

DAkkS Deutsche Akkreditierungsstelle D-ZE-14153-06-00

EQ2888322

TÜV SÜD Industrie Service GmbH

TÜV SÜD Industrie Service GmbH, Westendstr. 199, 80686 Munich, Germany

Certificate no.: TÜV SÜD/15085/CL1/269/3/09

Continuation of range of certification

Welding process according to EN ISO 4063	Material group according to CEN ISO/TR 15608	Dimensions	Comments
141	8/43	D = 12 - 24 mm t = 0.9 - 2 mm	nozzle/bellow, 141-v
	8	D = 12 - 24 mm t = 1.5 - 3.2 mm	nozzle/bellow, 141-v
	8	D <= 100 mm t = 1.5 - 3.2 mm	nozzle/bellow, 141-v
	8/1.2	D >= 6 mm t = 1.8 - 4.5 mm D >= 44 mm	BW; 141-v
142	8	t = 1.4 - 2.6 mm D = 6 - 100 mm	BW

Comments:

The welding coordinator, Mr. Gernot Busch, is allowed to conduct welder / operator tests within the scope of this certificate.

General regulations

according to EN 15085-2

Revocation of the Certificate

The national safety authority or the manufacturer certification body issuing this certificate may revoke the certificate if:

- there are justified doubts as to the proper execution of the welding work according to the stated standards,
- there are justified doubts as to the proper welding coordination according to the stated standards,
- no recognized welding coordinator is available any longer,
- no valid qualification test certificates for the welders and welding operators according to the specified standards are available,
- welders or welding operators without tested qualifications have been entrusted with the execution of welding work under the stated standards,
- other conditions according to the stated standards are no longer satisfied,
- the manufacturer certification body was refused an opportunity to perform the annual verification,
- the welding manufacturer waives the certificate

The welding manufacturer shall acknowledge the revocation in writing to the manufacturer certification body. The manufacturer certification body shall notify the national safety authority.

If a valid certificate is to be renewed, the renewal must be applied for with the manufacturer certification body at least **two months** before the end of the period of validity of the current certificate.

Distribution list:

1. Applicant (original)
2. Files