

Manufacturer-related Product Qualification

MPQ in accordance with DBS 918 005 [EXC3DB]

Technical specification for the construction of railway bridges and other engineering structures,
in keeping with the scope of Guideline 804.

The manufacturer:
(party placing the products on the
market)

**Josef Rädlinger Ingenieurbau GmbH,
Josef-Rädlinger-Str. 1, 94575 Windorf, Germany**

**and its manufacturing
works:**
(plant)

**Josef Rädlinger Ingenieurbau GmbH,
Josef-Rädlinger-Str. 1, 94575 Windorf, Germany**

are qualified for individual fabrication of the following steel structures and components:

- | | |
|---|---|
| <input checked="" type="checkbox"/> 1.1 Steel superstructures including provisional bridges
(on-site and off-site manufacturing), welding, mechanical joining and corrosion protection. | |
| <input checked="" type="checkbox"/> 1.2 Components for steel-concrete composite bridges | <input type="checkbox"/> 1.3 Composite bridges with concrete-encased steel members |
| <input checked="" type="checkbox"/> ! 2.1 Bridge bearings including restraining bearing | <input checked="" type="checkbox"/> ! 2.2 Bearings for special bridges |
| <input type="checkbox"/> 2.3 Bridge deck transition structures in accordance with Guideline 804.5202 | |
| <input checked="" type="checkbox"/> 2.7.1 Standardised and complex support structures for provisional and railway bridges
in accordance with Guideline 804.4110, Section 4 (4) | |
| <input checked="" type="checkbox"/> 2.7.4 Stiffeners in accordance with Guideline 804.4110, Section 4 (5) | |
| <input type="checkbox"/> 2.8 Control bar structures | |
| <input checked="" type="checkbox"/> 2.12 Support structures for transfer tables, turntables, elevated tracks and plant, machinery and equipment subjected to rail traffic | |
| <input checked="" type="checkbox"/> 2.16 Welded fastening of support points of the overhead line, of noise barrier posts and other welded steel structures on steel bridges | |

Restrictions:

- | | |
|--|--|
| <input type="checkbox"/> | The welding qualification (off-site manufacturing) for components is restricted to a mass of 12.5 t per individual component. |
| <input type="checkbox"/> | An increase of the individual mass (off-site manufacturing) is possible up to -/- following submission of a separate technology concept. |
| <input checked="" type="checkbox"/> !
see above 2.1+2.2 | Qualification to perform welding and corrosion protection work as part of maintenance, repair and/or installation work. Observe contractual and warranty requirements.
Does not count as manufacturing qualification and/or approval within the meaning of the specified regulations. |
| <input type="checkbox"/> | no further entries |

Manufacturer's mark used: 00242_DB-HPQ918005_Rädlinger.Ingbau-G07-2026

This certificate confirms that compliance with the requirements of DBS 918 005 for the above-mentioned types of steel structures and components has been verified as part of this manufacturer-related product qualification (documentary check and site inspection).

Valid until: Initial qualification for a limited period ending on 11 July 2026

Start: 11 July 2023

Valid until:
For restriction see above.

A valid certification in accordance with DIN EN 1090-1 WPK (conformity of internal production control), welding certification in accordance with DIN EN 1090-1 Table B.1 for welding steel structures in accordance with DIN EN 1090-2 (EXC 3 or EXC4) is required for this qualification to be valid in keeping with DBS 918005 EXC3DB. This qualification is valid for as long as the provisions of DBS 918005 mentioned above in conjunction with DIN EN 1090, the manufacturing conditions and/or the internal production control system have not significantly changed (see page 2 General provisions).

See reverse side of this certificate for general provisions

Deutsche Bahn AG
Beschaffung Infrastruktur (Infrastructure Procurement)
Quality assurance

Berlin, 01 September 2023

p.p. _____

Müller

p.p. _____

Dr. Eghdam

General provisions:

1. Deutsche Bahn AG, Infrastructure Procurement, Quality Assurance, must be informed in due time if persons mentioned in this certificate who are responsible for the implementation of the MPQ requirements leave the company, or if the conditions for obtaining the MPQ have significantly changed. Deutsche Bahn AG, Infrastructure Procurement, Quality Assurance, can request a repeat inspection of welding operations to be carried out if necessary.
2. If doubts arise concerning the suitability of the manufacturer and/or if the quality requirements for the products are not met, Deutsche Bahn AG, Infrastructure Procurement, Quality Assurance, reserves the right to conduct unannounced site inspections at the manufacturer's expense at any time.
3. This certificate can be withdrawn, extended or restricted at any time with immediate effect and without compensation if the conditions under which the certificate was granted have changed or if the requirements are not met. In case of a withdrawal, the manufacturer is obliged to immediately remove all issued MPQ certificates that are publicly available including any references to their ownership.
4. If the MPQ is to be extended, the manufacturer must coordinate the dates and terms of the extension with Deutsche Bahn AG, Infrastructure Procurement, Quality Assurance, at least two months prior to the expiry of the validity of the MPQ or before the date of the next inspection.
5. After a recertification, significant changes to the certificates (e.g. vSAP), etc., the holder of the qualification in accordance with DBS 918005 EXC3DB must provide Deutsche Bahn AG, Infrastructure Procurement, Quality Assurance, with a proof of the validity of the certification (EN 1090-1 - internal production control and welding - EXC 3 or EXC4). The same applies if the persons responsible for implementing the MPQ requirements change.

6. Audit for compliance review:

11 July 2024

Observe Item 11 on the information sheet MPQ 918005.

A compliance review is carried out if, for example, the requirements change or there are delays in implementing the findings of the audit. If no changes have occurred and the manufacturing process has been continuously monitored, the manufacturer can request that the compliance review be skipped. Agreeing on a date to conduct the compliance review or skip the compliance review for a justified reason does not invalidate or limit the validity of the MPQ in accordance with DBS 918005 EXC3DB. If the validity changes as a result of the review, Deutsche Bahn AG, Infrastructure Procurement, Quality Assurance, will announce this on their website.

Comments:

1. Processes presented by the manufacturer for MPQ:

Own processes:

- ☐ Planning/sizing, design
- ☒ First-stage processing (sawing, milling, drilling, etc.)
- ☒ Welding
- ☒ Thermal treatment/flame straightening
- ☒ Non-destructive testing (NDT)
- ☒ Fasteners
- ☐ Corrosion protection
- ☒ Assembly

Comment: NDT: VT, MT, PT

Sub-contracted processes:

- ☒ Planning/sizing, design
- ☐ First-stage processing (sawing, milling, drilling, etc.)
- ☐ Welding
- ☐ Thermal treatment/flame straightening
- ☒ Non-destructive testing (NDT)
- ☐ Fasteners
- ☒ Corrosion protection
- ☐ Assembly

Comment: NDT: VT, MT, PT, UT, RT

- ☐ **Services provided based on a contract for work and services/a subcontractor agreement** (see DBS 918005, Item 5.3)
 Types of services: None

2. Person responsible for implementing the requirements of the MPQ:
Mr Christian Lerchl, born 25 June 1979

3. Representative of the person responsible for implementing the requirements of the MPQ:
Mr Erich Nikolaj Jungwirth, born 08 April 1986

4. For the second stage of the HPQ, the holder of this certificate must provide the issuing body with the following documents relating to the next project within the scope of DBS 918 005/Guideline 804:

- Construction drawings for steel construction/assembly
- Steel construction plans
- NDT plan
- Welding schedule/welding sequence schedule
- Material distribution plan
- Construction drawings for corrosion protection
- QM plan

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