

Manufacturer-Related Product Qualification

for the Fabrication of Products for the Permanent Way

The Manufacturer

DENA Stahlbau GmbH & Co. KG
Siemensstrasse 10
49086 Osnabrück
Germany

is qualified for the fabrication stages used in the manufacture of

the products
listed in the Annex below

in accordance with Deutsche Bahn standards
DBS 918 024, DBS 918 125, DBS 918 126, low drawings
at its premises in

Osnabrück.

Manufacturer's mark used:



or



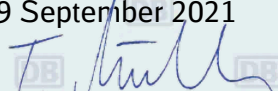
The Qualification is based on:

- Application for modification of the Manufacturer-Related Product Qualification dated 26 August 2021
- Inspections conducted on 23 September 2021

Qualification valid until: **31 July 2023**

Deutsche Bahn AG
Qualitätssicherung Beschaffung Infrastruktur (*Infrastructure Procurement Quality Assurance*)

Berlin, 29 September 2021



Thomas Müller



Klaus-Peter Dittmar

Annex to the HPQ for DENA Stahlbau GmbH & Co. KG dated 29 September 2021

Structure level as per the list of products subject to quality inspection	Designation
OBM2-2.05	Insulated rail joints (manufactured off-site)
OBM2-2.07.1	Fishplates (rolled)
OBM2-2.07.2	Fishplates and fishplate cores (forged)
OBM2-2.07.3	Fishplates and fishplate cores (cast)
OBM3-3.06.1	Clamping plates (rolled)
OBM3-3.06.2	Clamping plates (forged)
OBM3-3.07.1	Base plates (ribbed plates) (rolled)
OBM3-3.07.2	Base plates (ribbed plates) (forged)
OBM3-3.07.3	Base plates (ribbed plates) (cast)
OBM3-3.11.2	Height compensation plates (metal)
OBM3-3.12	Gauge tie bars
OBM3-3.13	Rail anchors
OBM4-4.2.1	Trough sleepers
OBM4-4.2.2	Y-steel sleepers
OBM4-4.2.3.1.1	Cable trough sleepers (cast, unpadded)
OBM4-4.2.3.1.2	Cable trough sleepers (cast, padded)
OBM4-4.2.3.1.3	Cable trough sleepers/cable crossing sleepers (welded, unpadded)
OBM4-4.2.3.1.4	Cable trough sleepers/cable crossing sleepers (welded, padded)
OBM4-4.2.3.2	Hollow sleepers for point locks (unpadded)
OBM4-4.2.3.3	Hollow sleepers for point locks (padded)
OBM4-4.2.4	Steel bridge sleepers
OBM4-4.6	Lateral resistance end plates
OBM4-4.7	Lateral resistance plates
OBM5-5.1.2.2	Check rails
OBM5-5.1.3.2	Common crossings, fixed-nose (complete)
OBM5-5.1.3.5	Common crossings, bainitic steel, fixed-nose (complete)
OBM5-5.3	Expansion joints
OBM5-5.4.01.1	Distance blocks (forged)
OBM5-5.4.02	Switch anchors
OBM5-5.4.03.1	Rail supports
OBM5-5.4.03.2	Switch blade supports (forged)
OBM5-5.4.03.3	Switch blade supports (cast)
OBM5-5.4.03.4	Support plates (cast)
OBM5-5.4.03.5	Support plates (forged)
OBM5-5.4.04	Base plates (bearing plates)
OBM5-5.4.05.1	Slide base plates (forged)
OBM5-5.4.05.2	Slide base plates (cast)
OBM5-5.4.05.3	Slide chairs (slide plates) (forged)
OBM5-5.4.06.1	Check rail support plates (forged)
OBM5-5.4.06.2	Check rail support plates (cast)

Annex to the HPQ for DENA Stahlbau GmbH & Co. KG dated 29 September 2021

Structure level as per the list of products subject to quality inspection	Designation
OBM5-5.4.07	Hold-downs
OBM5-5.6.1	Locking devices (fork locks, clamplocks, HRS, WKV, WEV and CKA locking devices, EVZ switch blade locking devices and EVH spring frog locking devices)
OBM5-5.6.1.1.1	Switch rods (forged)
OBM5-5.6.1.1.2	Switch rods (solid)
OBM5-5.6.1.3	Permanent locking devices
OBM5-5.6.1.4.1	Locking clamp bolts
OBM5-5.6.1.4.2	Locking piece bolts/O-clamps
OBM5-5.6.1.4.3	Dowel nuts and stud bolts
OBM5-5.6.1.4.4	Guide pieces
OBM5-5.6.1.4.5	Locking clamps/locking latches
OBM5-5.6.1.4.6	Closing plates
OBM5-5.6.1.4.7	Point lock assemblies
OBM5-5.6.1.4.8	Locking pieces
OBM5-5.6.1.4.9	Pin joint to stretcher bar brackets
OBM5-5.6.2	Switch blade rolling devices
OBM5-5.7.1	Sleeper connecting plates (cast, unpadded)
OBM5-5.9	Special-purpose components (drag shoe ejectors, lift bridges, etc.)
OBM7-7.1	Machining of permanent way components
OBM7-7.3	Production welding of permanent way components (except rails)