

Manufacturer-Related Product Qualification

for the Fabrication of Products for the Permanent Way

The manufacturer

SCHWIHAG GmbH
Werk Leipzig
Am Ostergraben 5
04435 Schkeuditz OT Radefeld

is qualified for the fabrication stages used in the manufacture of

**rail fastenings made of spring steel,
switch blade rolling devices, base plates, slide base plates, support plates,
hollow sleepers (cable trough sleeper and hollow sleepers for point locks)
padded sleepers, plastic guiding elements**

Manufacturer's mark used for rail clamps and angle guide plates



The qualification is based on:

- Application for renewal of manufacturer-related product qualification dated 11 May 2016
- Product list "Güteprüfungspflichtige Produkte Oberbaumaterial" (products subject to permanent way materials), version dated 1 December 2016
- Process description, overview of manufacturing and test facilities
- Proof of qualification for test equipment and personnel
- Results of internal production control
- Various test reports in accordance with the appendix to the manufacturer-related product qualification, page 2

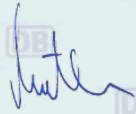
Restrictions:

- None

Qualification valid until: **December 2019**

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

Berlin, 22.09.2017



Thomas Müller



Klaus-Peter Dittmar

Appendix to manufacturer-related product qualification: list of rail clamps, cable trough sleepers, hollow sleepers for point locks (padded), angle guide plates

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Designation	Test reports	Created by	Date
Skl 1	Test report No. 08.3	TU Dresden	29.07.2008
Skl 12	Test report No. 08.5	TU Dresden	08.12.2008
Skl 14	Test report No. 09.11	TU Dresden	13.01.2010
Skl 15	Test report No. 12.01	TU Dresden	02.02.2012
Skl 3	Test report No. 12.02	TU Dresden	09.05.2012
Skl B15	Test report No. 13.01	TU Dresden	18.01.2013
Skl SL-1	Test report No. 12.03	TU Dresden	24.04.2012
Skl 21	Test report No. 15.07	TU Dresden	29.09.2015
Wfp 14	Test report No. 506 and 509/2013	Kunststoffzentrum Leipzig	22.10.2013 24.10.2013
Wfp 21T-12	Test report No. 4.5/1716.2-A/13	OMPG Rudolstadt-Schwarza	21.11.2013
Wfp 14K-12	FAI report No. 150209-N 10	Schwihag GmbH	19.02.2015
Wfp 14K 900-12	FAI report No. 131122-C	Schwihag GmbH	22.11.2013
Wfp 15a	FAI report No. 150625-N	Schwihag GmbH	06.07.2015
Wfp 21 B07-12	FAI report No. 150709-N	Schwihag GmbH	07.08.2015
	FAI report No. 170522-D/0	Schwihag GmbH	22.05.2017
Cable trough sleeper	Fatigue test, Report No. 08.6	TU Dresden	14.01.2009
	El. resistance, Report No. 09.4	TU Dresden	05.02.2009
Hollow sleeper for point lock	Fatigue test, report No. 11.2/E1	TU Dresden	06.04.2011
Hollow sleeper for point lock (padding)	Inspection sheet for sleepers with elastic padding in accordance with DBS 918 145-2	TEI 21	21.10.2013

This table is part of the applicable manufacturer-related product qualification.

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