



Certificate of Type Approval for a product or system

Discipline	Track Engineering
Reference	TR16/5007
Manufacturer	Robel Bahnbaumaschinen GmbH
Supplier	KH1
Place of Manufacture	Robel Bahnbaumaschinen GmbH, Industriestr. 31, 83395 Freilassing, Germany
Product/System description	Robel Gauge Bars – Insulated 24.06/1
Use approved for	TfNSW rail infrastructure to maintain the track gauge within the standard limits given in ESC 210 – Track Geometry and stability.

Conditions

1. This Type Approval Certificate will be subject to review within a period not exceeding 12 months. This certificate shall only be used by Sydney Trains unless prior approval of Lead Engineer – Track, ASA is sought.
2. Robel Gauge bars are to be used in conjunction with existing processes of managing defects. Gauge bars are not to be solely relied upon to reduce the priority of defects or alleviate TSRs.
3. Sydney Trains is to develop and provide a procedure for the application and maintenance of Robel Gauge Bars to be available at the completion of this trial.
4. Gauge Bars should be used for the maximum periods outlined below. Any extension to these timeframes must seek approval from the Lead Engineer – Track, ASA prior to expiration of the initial period.
 - Mainline and/or critical focal points – 8 Weeks
 - Non-critical yards and/or sidings – 6 months
5. Where a series of Robel Gauge Bars are required to be installed, the maximum longitudinal spacing between bars shall not be more than 3 fastening assemblies.
6. The location, number of bars and gauge exceedance, date of installation and date of removal must be captured in a register for audit purposes.
7. The Place of Manufacture shall maintain International Quality System Certification.
8. The supplier or manufacturer must advise ASA, Sydney Trains of any changes made to the product or system that may alter its identification, performance characteristics, form, fit, function, processes required for correct usage or place of manufacture to enable review and revision of this approval.
9. Non insulated gauge bars must not be used on circuited tracks and switch sections.

Approval Signature	
Name	John Paff
Title	Lead Engineer - Track
Date	22 nd June 2016



Schedule of Certifications

Title	Registration Number	Valid till	Issuing Authority	Status
Robel Bahnbaumaschinen GmbH, Industriestr. 31, 83395 Freilassing, Germany Quality Management System (ISO 9001:2008) Issued by DNV GL	110382-2012-AQ- GER-DAkkS	29 th April 2018	DNV GL – Business Assurance	Seen, Issued 21 st April 2015
KH1 certification of appointment as Robel agent	NA	Unknown	Robel Bahnbaumasch inen GmbH	Seen, Issued 25 th February 2005

Supporting Documentation

Title	Issuing Authority	Author	Report Number	Status
Installation Instructions document Technical data Safety Appliance description Conditions for use Installation & Maintenance	Robel Bahnbaumaschinen GmbH	Unknown	24.06 - 01	Final
Spare Parts list and spare parts drawing document	Robel Bahnbaumaschinen GmbH	Unknown	EDV – Nr. 824 990 0006	Final
Robel Machines Engineering Report – 24.06	Robel Bahnbaumaschinen GmbH	Unknown	24.06	Draft