



## Product Type Approval Certificate

*Full / Provisional / Restricted*


This certificate is issued to:

<b>Supplier name and address:</b>	Martinus Rail Unit 2, 2 Ethell Road, Kirrawee, NSW, 2232
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In respect of:

<b>Manufacturer:</b>	Voestalpine Nortrak
<b>Place of manufacture:</b>	i) 690 E. Kenwood Avenue, Decatur, Illinois, 62526, USA ii) Lashufang Village, Dalian Bay Street, Canjingzi District, Dalian City, Liaoning Province CHINA
<b>Product description:</b>	RACOR 22-E Hand-operated trailable mechanical switch lever
<b>Use approved for:</b>	Turnout assemblies in yard and siding environments, where train movements can be trailed through points on TfNSW heavy rail network.
<b>Conditions of approval:</b>	For conditions of approval, refer to Appendix B
<b>Limitations:</b>	NA

## Evaluating rail transport operator

<b>Name:</b>	John Paff
<b>Position:</b>	Lead Engineer - Track
<b>Signature:</b>	
<b>Date:</b>	28-03-19

**Product approval pack reference number:** qA841567

## Appendix A:

### Supporting Documentation - Initial

Title	Issuing Authority	Author	Report Number	Status
National Trackwork and Racor Switch Lever – Force Tests	Transport for NSW – ASA	K. Gerrard	-	Issued 15 <sup>th</sup> Dec 2015
Installation and Maintenance Manual	Martinus Rail	-	MAN-0020	Issued 16 <sup>th</sup> Apr 2014
Certificate of Acceptance	Network Rail	K. Denton	PA05/00475	Issued 17 <sup>th</sup> May 2005
Certificate of Registration Quality Management System	Intertek	-	0008966-02	Initial Certification 21 <sup>st</sup> Sept 1998

### Supporting Documentation - CHINA

Title	Issuing Authority	Author	Report Number	Status
Certificate of Conformity of Quality Management System	CNAS	-	0071515Q13316R0S	Issued 12.11.2015 Valid to 11.11.2021
Quality Management System Certificate	CNAS	-	00916Q11556R4S	Issued 26.08.2016 Valid to 25.08.2019
22-E Switch Stand Inspection Checklist	Dalian Hongtai Machinery Co. Ltd	Zhang Lei, General Manager	-	17.09.2017

### Supporting Documentation - Australia

Title	Issuing Authority	Author	Report Number	Status
Certificate of Registration Quality Management System Martinus Rail Pty Ltd	SAI Global	K. Goodwin	QEC29920	Issued 22.08.2018 Valid to 14.09.2021
Installation and Maintenance Manual	Martinus Rail	M. Fulford	MR-QM-223 Revision V1.4	Issued 24.01.2019
Martinus Rail – Corrective and Preventative Action Form	Martinus Rail	M. Fulford	17-1017-NCR-067	Issued 30.11.18

## Appendix B:

1. All Type Approval Certifications will be subject to review within a period not exceeding 5 years.
2. The Place of Manufacture shall hold International Quality System Certification.
3. This Type Approval Certificate applies to the RACOR® 22-E model switch lever and switch stand only, excluding any rodding or other equipment connecting the switch stand to the track.
4. The track designer / installer of the RACOR switch lever must carefully ensure compliance with track clearance standards.
5. Consideration needs to be given to the particular requirements, processes and guidelines relating to the installation and maintenance of turnout components, including manual points levers, as contained within the ASA standards document TMC 251 Turnouts.
6. Competent personnel must be engaged to install and maintain this equipment, based upon information contained within the relevant "Installation and Maintenance Manual" provided with the equipment by the supplier, which is deemed to be the TMP for this product.
7. Should the presence of any previously unidentified defect or condition in service arise, it shall require further collaborative investigation.
8. The supplier or manufacturer must advise TfNSW ASA 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.