

Product Type Approval Certificate

Full

This certificate is issued to:

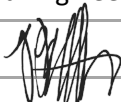
Supplier name and address:	Austrak Pty Ltd GPO Box 5094, Brisbane, QLD, 4001
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In respect of:

Manufacturer:	Austrak Pty Ltd
Place of manufacture:	<ul style="list-style-type: none"> • 825 Ann Street, Fortitude Valley, QLD, 4006 • 57 Dampier Street, Bomen, NSW, 2650 • 23 Boundary Road, Parkhurst, QLD, 4702 • 570 Dandos Road, Point Wilson, VIC, 3212
Product description:	<ul style="list-style-type: none"> • Standard gauge concrete sleeper with e clip shoulder (217-18S-e-c) • Standard gauge heavy duty concrete sleeper with Fast clip shoulder (217-18S-F-c)
Use approved for:	TfNSW Heavy Rail Network
Conditions of approval:	<ol style="list-style-type: none"> 1. This Type Approval Certificate will be subject to review within a period not exceeding 5 years. 2. Should the presence of any previously unidentified defect or condition in service arise, it shall require further collaborative investigation. 3. The supplier or manufacturer must advise ASA TfNSW 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. 4. Manufacture and Tolerance limits shall be compliant to AS1085.14-2012 Table 2.1. 5. This Type Approval shall be referenced on all Approved For Construction and As-Built drawings.

Limitations:	<p>Listed Sleeper in this type approval certificate are approved for plain line installations, for axel loading up to 30 tonnes.</p> <p>Configuration is subject to requirements of Asset Standards Authority Track Standards and Specifications.</p>
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Evaluating rail transport operator

Name:	John Paff
Position:	Lead Engineer – Track, Asset Standards Authority, Transport for NSW
Signature:	
Date:	29-01-2021

Product approval pack reference number: qA897038

Annexure 1 Schedule of Certifications

Title	Registration Number	Valid Till	Issuing Authority	Status
Certificate of Registration – Quality Management System – ISO 9001:2015	4664	04/10/2020	Sci Qual International Pty Ltd	Issued 14/08/17

Annexure 2 Supporting Documents

Title	Issuing Authority	Author	Report Number	Status
Standard Gauge Concrete Sleeper with e-clip shoulder	Austrak	Austrak	Drawing No. 217-18S-e-C Rev A	6/08/2018
Standard Gauge Heavy Duty Concrete Sleeper (with Fast-clip shoulder)	Austrak	Austrak	Drawing No. 217-18S-F-C Rev A	6/08/2018
Type testing of reinforced concrete railway sleepers	The University of Queensland	Ken Liddell, Fraser Reid	Test Report 312-v2	5/02/2018
Risk Assessment – for acquisition and installation of Standard Gauge Optimised Heavy Duty Sleeper	Laing O'Rourke		E-T-8-0938 v2	Created 14/02/2018
Austrak Company Policy Quality	Austrak Vossloh	Murray Adams		August 2019
Austrak Client Datasheet Guidelines for Handling and Stockpiling Sleepers	Austrak	Austrak	Rev 1	February 2011
Third Party Design Review	Nick Stevens Consulting Pty Ltd	Nick Stevens	–	Issued 20/07/2018
ARTC Type Approval Certificate	ARTC	John Furness	Certificate No. NESA-T118, Version 1.0	Current
Type Approval Certificate – TfNSW	TfNSW ASA	TfNSW	TR14/2001	Issued 19/02/2015