



## Certificate of Type Approval for a product or system

<b>Discipline</b>	Track Engineering
<b>Reference</b>	<b>TR14/2001</b>
<b>Manufacturer</b>	Austrak Pty Ltd
<b>Supplier</b>	Austrak Pty Ltd
<b>Place of Manufacture</b>	Wagga Wagga, Australia
<b>Product/System description</b>	<b>Heavy Duty Concrete sleepers for Plain Line Infrastructure</b>  i) Heavy duty concrete sleepers (H30/TNSW) incorporating Pandrol e-clip fastenings for Plain Line, including provision for Trainstop attachment.  ii) Heavy duty concrete sleepers (H30/TNSW) incorporating Pandrol FastClip fastenings for Plain Line, including provision for Trainstop attachment.  iii) Heavy Duty Sleepers (Types GR1, GR2, GR3, GR4, GR5, GR6) incorporating Pandrol Fastclip for Plain Line, including provision for guard rail installation by Pandrol e-clip)
<b>Use approved for</b>	The above sleepers are approved for Plain Line installation within all mainline routes, for axle loadings up to 30 tonnes. Configuration is subject to requirements of Asset Standards Authority Track Standards and Specifications.

### Conditions

1. All Type Approval Certifications will be subject to review within a period not exceeding 5 years.
2. Sleepers approved for Trainstop attachment are subject to Operational Validation and Acceptance by Signalling discipline.
3. Manufacture and Tolerance limits shall be compliant to AS1085.14-2012 Table 2.1
4. No previous Product Approvals are superseded by this approval certificate.
5. 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.

### Approval

<b>Signature</b>	
<b>Name</b>	John Paff
<b>Title</b>	Lead Engineer Track Engineering
<b>Date</b>	19 <sup>th</sup> February 2015



## Schedule of Product drawing Designs

Title	Drawing Number	Revision No	Date	Status
Austrak Heavy Duty Trainstop Concrete Sleeper (FastClip)	217-20S-F-TS-C	A	13/03/2013	Approved
Austrak Heavy Duty Trainstop Concrete Sleeper (FastClip)	217-20S-F-C	B	13/03/2014	Approved
Austrak Heavy Duty Trainstop Concrete Sleeper (e-clip)	217-20S-e-TS-C	A	13/03/2014	Approved
Austrak Heavy Duty Trainstop Concrete Sleeper (e-clip)	217-20S-e-C	A	13/03/2014	Approved
Standard Gauge Concrete Sleeper Guard Rail Sleepers – General Assembly	217-20S-F-GRA	N/A	26/05/2014	Approved
Standard Gauge Concrete Sleeper Guard Rail Sleepers – Type GR1	217-20S-F-GR1	N/A	26/05/2014	Approved
Standard Gauge Concrete Sleeper Guard Rail Sleepers – Type GR2	217-20S-F-GR2	N/A	26/05/2014	Approved
Standard Gauge Concrete Sleeper Guard Rail Sleepers – Type GR3	217-20S-F-GR3	N/A	26/05/2014	Approved
Standard Gauge Concrete Sleeper Guard Rail Sleepers – Type GR4	217-20S-F-GR4	N/A	26/05/2014	Approved
Standard Gauge Concrete Sleeper Guard Rail Sleepers –	217-20S-F-GR5	N/A	26/05/2014	Approved
Standard Gauge Concrete Sleeper Guard Rail Sleepers – Type GR6	217-20S-F-GR6	N/A	26/05/2014	Approved