



Product Type Approval Certificate

Full

This certificate is issued to:

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| Supplier name and address: | Progress Rail 24 Daisy Street, Revesby, NSW, 2212 |
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In respect of:

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| Manufacturer: | Moletta Pty Ltd |
| Place of manufacture: | 23 Deakin Street, Brendale, QLD, 4500 |
| Product description: | Steel In-Bearer Part A and Part B Assembly as per Progress Rail Drawing P-A100424-018G |
| Use approved for: | Tangential Turnouts on 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. The suppliers shall provide in writing verification of the quality assurance of all third party products, in the absence of any third party product suppliers' International Quality System Certification. 3. Should the presence of any previously unidentified defect or condition in service arise, it shall require further collaborative investigation. 4. 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. 5. Installation shall be compatible with the manufacturer's manual - Progress Rail Australia Doc_693 '<i>Installation and Product Information Manual for TfNSW Steel In-Bearers</i>'. 6. This Type Approval shall be referenced on all Approved For Construction and As-Built drawings. |

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| Limitations: | |
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Evaluating rail transport operator

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|-------------------|---|
| Name: | John Paff |
| Position: | Lead Engineer - Track, Asset Standards Authority, Transport for NSW |
| Signature: |  |
| Date: | 22-04-2020 |

Product approval pack reference number: qA854637

Annexure 1 Assemblies covered in this type approval

Progress Rail In-Bearer "A" Assembly as shown on drawing P-A100424-029G - consists of the following 5 sub-assemblies:

- 1 off Bearer P-A100424-006
- 1 off Type A Base Plate P-A100160-038G
- 1 off Type B Base Plate P-A100160-039G
- 1 off Type E Base Plate P-A100160-044G
- 1 off Type F Base Plate P-A100160-045G

Progress Rail In-Bearer "B" Assembly as shown on drawing P-A100424-028G – consist of the following:

- 1 off Bearer P-A100424-017
- 2 off Type E Base Plate P-A100160-044G
- 2 off Type F Base Plate P-A100160-045G

Steel In-Bearer - individual components of the "Mid Drive" Assembly are as follows:

- 1 off Bearer P-A100424-007
- 1 off Type C Base Plate P-A100160-040G
- 1 off Type D Base Plate P-A100160-041G
- 1 off Type E Base Plate P-A100160-044G
- 1 off Type F Base Plate P-A100160-045G

Steel In-Bearer - individual components of the "Back Drive" Assembly are as follows:

- 1 off Bearer P-A100424-008
- 1 off Type C Base Plate P-A100160-040G

1 off Type D Base Plate P-A100160-041G

1 off Type E Base Plate P-A100160-044G

1 off Type F Base Plate P-A100160-045G

Schedule of Certifications

| Title | Registration Number | Valid Till | Issuing Authority | Status |
|--|--------------------------------------|------------|------------------------|---------------|
| Progress Rail Services Quality Management System AS / NZS ISO 9001-2016 | 95D932DDC710AE42 CA25838B003D93B8 | 27/01/2022 | Global Mark Pty Ltd | 8 Feb 2019 |

Annexure 2 Supporting Documentations

| Title | Issuing Authority | Author | Report Number | Status |
|---|-------------------|----------------|---------------------|---------------|
| Progress Rail – Quality Manual | Progress Rail | P. Dawson | Doc_554 4 5 6 | 9 March 2018 |
| Incoming Product Inspection and Receipt Procedure | Progress Rail | J. Walker | Doc_569 8.4.1 | 30 Jan 2017 |
| Quality Policy | Moletta Pty Ltd | Stephen Flux | PN0003 V 1.0.0.3 | 1 April 2013 |
| Installation and Product Information Manual for TfNSW Steel In-Bearers | Progress Rail | A. Sperandio | Doc_693 V 1.3 | 6 April 2020 |
| Assessment of Strength and Service Life of TfNSW Steel In-Bearer | Progress Rail | A. Sperandio | DF-0156 V 1.0 | 21 Jan 2018 |
| Failure mode, effects and criticality analysis | Progress Rail | | Doc_687 | 12 April 2019 |
| Certificate of Compliance issued to John Holland | Progress Rail | | | 29 Nov 2018 |
| NIF Maintenance Facility - Progress Rail In-Bearers endorsement by John Holland | John Holland | David Carberry | | 30 Mar 2020 |

| Title | Issuing Authority | Author | Report Number | Status |
|---|--------------------------|-------------------|----------------------|---------------|
| ST email regarding 'no objection' to full Type Approval of Progress Rail Steel In-Bearers | Sydney Trains | Joseph Sest | Email | 14 April 2020 |
| Steel In-Bearer Paint Specification Dulux DUREMAX® GPE | Dulux | | PC 255 | March 2010 |
| Insulation Test between Baseplate and Steel In-Bearer | Progress Rail | Kenneth Blomqvist | DF-0156 | 25 Mar 2019 |