

Certificate of Acceptance

PA05/07732

Manufacturers:
Gripple Ltd

Issue : 1
Valid From : 21/06/2023

Gripple Rail Dropper

Product Description

Current carrying flexible dropper.

Product Image



Scope of Acceptance

Full Acceptance

Product accepted for use on all Network Rail controlled 25kV ac OLE electrified lines where used in accordance with an approved basic design.

Network Rail Acceptance Panel (NRAP) hereby authorises the product above for use and trial use on railway infrastructure for which Network Rail is the Infrastructure Manager under the ROGS regulations.

Reviewed by:

Authorised by:



Sheran Sahabandu
Product Acceptance Coordinator



PP Martin O'Connor
Network Technical Head Contact Systems (AC/DC)

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Specific Conditions

The following Conditions are specific to the approved product/s contained within this Certificate. These conditions must be adhered to in addition to the Network Rail General Conditions contained within the "General Terms and Conditions" section.

Failure to adhere to these conditions may result in the withdrawal or suspension of Acceptance of some, or all of the items contained within the accepted configuration.

Manufacturer

- 1) None.

User

- 1) To be used and installed according to the Network Rail OLE Maintenance work instructions NR/L3/ELP/27237/D29C.
- 2) Locking nut on Contact Wire Clamp shall not be released.
- 3) Dropper Cam on Top Dropper Assembly shall not be actioned excessively prior to installation.

Product Configuration

Part No.	Description	Cat No.
GRD-CAT	Gripple Rail Dropper Contact Wire Clamp Assembly	0091/030523
GRD-10.5	Gripple Rail Dropper top Dropper Assembly	0091/030524
GRD-10.5-KIT-350MM	Gripple Crimped Wire Assembly 350mm	0091/030525
GRD-10.5-KIT-400MM	Gripple Crimped Wire Assembly 400mm	0091/030526
GRD-10.5-KIT-500MM	Gripple Crimped Wire Assembly 500mm	0091/030527
GRD-10.5-KIT-600MM	Gripple Crimped Wire Assembly 600mm	0091/030528
GRD-10.5-KIT-700MM	Gripple Crimped Wire Assembly 700mm	0091/030529
GRD-10.5-KIT-800MM	Gripple Crimped Wire Assembly 800mm	0091/030530
GRD-10.5-KIT-900MM	Gripple Crimped Wire Assembly 900mm	0091/030531
GRD-10.5-KIT-1M	Gripple Crimped Wire Assembly 1000mm	0091/030532
GRD-10.5-KIT-1.1M	Gripple Crimped Wire Assembly 1100mm	0091/030533
GRD-10.5-KIT-1.2M	Gripple Crimped Wire Assembly 1200mm	0091/030534
GRD-10.5-KIT-1.3M	Gripple Crimped Wire Assembly 1300mm	0091/030535
GRD-10.5-KIT-1.4M	Gripple Crimped Wire Assembly 1400mm	0091/030536
GRD-10.5-KIT-1.5M	Gripple Crimped Wire Assembly 1500mm	0091/030537
GRD-10.5-KIT-1.6M	Gripple Crimped Wire Assembly 1600mm	0091/030538
GRD-10.5-KIT-1.7M	Gripple Crimped Wire Assembly 1700mm	0091/030539
GRD-10.5-KIT-1.8M	Gripple Crimped Wire Assembly 1800mm	0091/030540
GRD-10.5-KIT-1.9M	Gripple Crimped Wire Assembly 1900mm	0091/030541
GRD-10.5-KIT-2M	Gripple Crimped Wire Assembly 2000mm	0091/030542
GRD-10.5-KIT-2.1M	Gripple Crimped Wire Assembly 2100mm	0091/030543
GRD-10.5-KIT-2.2M	Gripple Crimped Wire Assembly 2200mm	0091/030544
GRD-10.5-KIT-2.3M	Gripple Crimped Wire Assembly 2300mm	0091/030545
GRD-10.5-KIT-2.4M	Gripple Crimped Wire Assembly 2400mm	0091/030546
GRD-10.5-KIT-2.5M	Gripple Crimped Wire Assembly 2500mm	0091/030547
GRD-10.5-KIT-2.6M	Gripple Crimped Wire Assembly 2600mm	0091/030548
GRD-10.5-KIT-2.7M	Gripple Crimped Wire Assembly 2700mm	0091/030549
GRD-10.5-KIT-2.8M	Gripple Crimped Wire Assembly 2800mm	0091/030550
GRD-10.5-KIT-2.9M	Gripple Crimped Wire Assembly 2900mm	0091/030551

Please contact prodacc@networkrail.co.uk

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GRD-10.5-KIT-3M	Gripple Crimped Wire Assembly 3000mm	0091/030552
Drawing No 148/369/997	7/7/0.51mm Flexible Stranded Copper Dropper Wire - (SUPPLIED ON 5000M DRUMS [NOMINAL (465KG)])	0091/030331
Drawing No 148/369/998	7/7/0.51mm Flexible Stranded Copper Dropper Wire - (SUPPLIED ON 500M DRUMS [NOMINAL (46.5KG)])	0091/030332

Assessed Documentation

Reference	Title	Doc. Rev.	Date and Applies to Cert. issue No.	
NR/L2/ELP/27428 Module 06	Specification for 25kV A.C. Overhead Contact Line Droppers for Railway Electrification Equipment	1	24/02/2023	1
-	Rail Dropper Contact Clamp Design FMEA	1	24/02/2023	1
-	Rail Dropper Installation FMEA	1	24/02/2023	1
-	Rail Dropper Manufacturing FMEA	1	24/02/2023	1
-	Rail Dropper RAM Test Plan	1	24/02/2023	1
-	Rail Dropper Sub-system Reliability Testing Report	1	24/02/2023	1
-	Rail DropperTop Dropper Design FMEA	1	24/02/2023	1
-	RAM Assessment Document Gripple Rail Dropper	V5.1	24/02/2023	1

Certificate History

Issue	Date	Issue History
1	21/06/2023	First accepted for use.

Contact Details

Manufacturer

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Sponsor

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General Terms & Conditions

1) General

- 1) This certificate can only be amended by Network Rail Product Acceptance, the relevant Network Technical Head or nominated delegate. Any alterations made by a other persons will invalidate the entire certificate.
- 2) Failure to abide by the requirements in this Certificate of Acceptance may invalidate the certificate, thereby restricting the right to operate the product and / or limiting the future supply and deployment of the product on the infrastructure.
- 3) Upon the review date this certificate and the product it relates to is invalid and not accepted for use. Manufacturers are to make an application for a review prior to the review date via the NR sponsoring applicant.

2) Manufacturer

The Manufacturer shall:

- 1) Ensure that all products supplied comply with the standards defined in the Acceptance Requirements or otherwise documented as part of the assessment, including meeting the reliability requirements included in the Network Rail Design for Reliability Standard (DFR) NR-L2-RSE-0005 and in any deed of warranty for the relevant certificate number.
- 2) Notify Network Rail Product Acceptance in writing (email prodacc@networkrail.co.uk):
 - a. Within 48 hours, of any deficiencies affecting the quality, functionality or safety integrity of the product (including corrective action undertaken or proposed).
 - b. Of any intended change to the accepted product; changes include:
 - i. a change to the product configuration (to the actual product or its application);
 - ii. a variation to or addition of manufacturing locations or processes;
 - iii. a change in the name or ownership of the manufacturing company;
 - iv. any changes to the ability or intention to support with technical services, spares or repairs.
- 3) The Manufacturer shall provide Network Rail Product Acceptance or National Supply Chain (NSC) at least 12 (twelve) months notice of its intention to discontinue supply or to provide such notice as is reasonable if such discontinuance is outside its control and will offer the opportunity of a Last Time Buy to Network Rail together with date for last order placement and supply of the parts affected. The introduction of proposed alternative products shall be communicated to Network Rail Product Acceptance.
- 4) Provide further copies of operating and maintenance manuals to purchasers / users of the product as necessary (including certificates of conformance, calibration etc).
- 5) Provide further copies of training manuals and an appropriate level of training to purchasers or users of the product as necessary.
- 6) Where applicable, specialist technical support, repairs and servicing of the product shall be carried out by the Original Equipment Manufacturer (OEM) or authorised agent only.
- 7) Network Rail may request information from the manufacturer to prove product compliance with clauses 1 and 2 above and reserve the right to suspend and/or withdraw any application where information is not forthcoming within a reasonable timeframe.
- 8) In accordance with Network Rail's Quality Assurance Policy Statement, where the specification and/or Product Acceptance Certificates specify quality assurance classifications for the products, the manufacturer shall comply with the specified level of quality assurance for each product and allow Network Rail access to carry out its quality assurance checks.
- 9) The manufacturer shall give Network Rail's representatives access at all reasonable times to its premises and allow them to inspect its quality systems and production methods and, if requested, to inspect, examine and test the products both during and after their manufacture and the materials being used in their manufacture.

3) Conditions of Use

Specifiers, installers, operators, maintainers, etc. using the product shall:

- 1) Comply with the certificate conditions. If a condition is not understood guidance must be sought from Network Rail Product Acceptance.
- 2) Check that the application of use complies with the relevant certificate's scope of acceptance.
- 3) Report any defect if it is a design or manufacturing fault likely to affect performance and/or the safe operation of the railway in writing to Network Rail Product Acceptance.
- 4) Inform Network Rail Product Acceptance in writing of a change to the product configuration (or to the actual product or its application).
- 5) Operate, maintain and service the product in accordance with Network Rail standards and Operation and Maintenance manuals as appropriate.
- 6) Be appropriately trained and authorised for the installation, maintenance and use of the product.
- 7) Only send products for repair or reconditioning to the Original Equipment Manufacturer (OEM) or authorised agent.
- 8) Users are to be aware that Product Acceptance is not a substitute for design approval.

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4) Compliance

Railways and Other Guided Systems (ROGS) Regulations

- 1) Where the product is to be used in areas where Network Rail is not the Infrastructure Manager (e.g. leased stations), the sponsoring applicant shall additionally obtain formal consent from the Infrastructure Manager for the locality where the equipment is to be installed. This may include a requirement for additional safety verification. The decision of that Infrastructure Manager is binding, and cannot be overridden by Network Rail except by the escalation processes established in the ROGS regulations
- 2) As required in Railway Group Standard RIS-8270-RST, at each use of this product the project or group responsible for installation and commissioning shall be required to demonstrate compatibility with:
 - a. All rail vehicle types that have access rights over the area affected by the change
 - b. Infrastructure managed by others
 - c. Neighbours.

Railway Interoperability Regulations

- 3) For interoperable constituents of systems the project or group responsible for installation and commissioning shall be required to demonstrate compliance with the relevant Technical Specifications for Interoperability (TSI) where appropriate.
- 4) An authorisation from the national safety authority (i.e. the Railway Safety Directorate of the Office of Rail and Road) is required before the equipment is to be used in revenue earning service.

5) Supply Chain Arrangements

- 1) Certificates of acceptance do not imply any particular quantity of supply nor any exclusivity of supply.
- 2) Products may be purchased by Network Rail or its agents, suppliers or contractors.
- 3) Manufacturers should note that it is not necessary to enter into any exclusive supply arrangements with resellers or other suppliers.