

Manufacturer:
Sunbelt Rentals Plant Attachments

Issue : 2
Valid From : 17-07-2020

Astra ARC Rail Cropper

Product Description

Astra ARC Rail Cropper

The Astra ARC Rail Cropper attachment fits on a host RRV to cut scrap rail into suitable sized pieces for scrap rail recovery.

The Astra ARC cropper enables rail to be cropped in lying in any position.

The Mk2 Cropper feature modified blade mounts for improved reliability.

The Mk3 Cropper features improved jaws for improved reliability.

Product Image



Scope of Acceptance

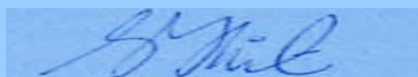
Full Acceptance

This product is granted full approval for the Mk1, Mk2 and Mk3 in line with the terms and conditions identified on this certificate or any associated reference documentation.

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:



Sam Flint
Product Acceptance Coordinator



Malcolm Miles
Professional Head of Plant

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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.

User

- 1) Appropriate PPE **SHALL** be worn at all times whilst the equipment is being operated, travelled and maintained.
- 2) The equipment **SHALL ONLY** be used in-line with site, task or location specific safe systems of work and work plans in accordance with NR/L2/RMVP/0200/P501 and GE/RT8000 Rulebook.
- 3) Full pre-use inspections **SHALL** be conducted before use and equipment operators must ensure the equipment is in a safe condition to work before undertaking any equipment operations.
- 4) The equipment **SHALL ONLY** to be used in accordance with OEM operational procedures.
- 5) The equipment **SHALL ONLY** be used by authorised trained and competent personnel.
- 6) The equipment **SHALL ONLY** be maintained by trained and competent personnel in accordance with the OEM maintenance procedures and NR/L2/RMVP/0200/P700.
- 7) Defects occurring to any safety critical system, or system which may subsequently cause a safety concern **SHALL BE** rectified before the equipment continues to operate or transit on NR managed infrastructure. If this occurs during operation the equipment must be safely transited to the nearest available position of safety to await repair.
- 8) The equipment **SHALL ONLY** be used in conjunction with a compatible power source.
- 9) Equipment **SHALL ONLY** be used on a suitable RRV excavator with an appropriate RCI turned on in lift mode, and a lift plan produced to cover the full range of operations
- 10) A risk assessed exclusion zone **SHALL** be enforced whilst the equipment is being operated.
- 11) This equipment **SHALL ONLY** be used within the confines of a possession.
- 12) The equipment **SHALL ONLY** be used in areas of third or fourth rail once the supply is isolated and earthed.
- 13) The equipment **SHALL NOT** be manually lifted.

Product Configuration

System or Complete Assembly

Part No.	Description	Catalogue No.
RS23 ZRS023AAR127	ZRS023AAR127 Astra ARC Rail Cropper	0066/038073
RS23 ZRS023AAR127	ZRS023AAR127 Astra ARC Rail Cropper Mk2	0066/038075
RS23 ZRS023AAR127	ZRS023AAR127 Astra ARC Rail Cropper Mk3	0066/038076

Hardware (Maintenance Spares and Line Replaceable Units)

Part No.	Description	Catalogue No.
LTL000257	Blade	0066/038074
LTL000257/MII	Blade Mk2	0066/038077
LTL000029	Blade Mk3	0066/038078

Certificate of Acceptance

PA05/06683

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Assessed Documentation

Reference	Title	Doc. Rev.	Date and Applies to Cert. issue No.	
CE marking	Declaration of CE Conformity	1	May 2016	1
FMEA RA426.01	FAILURE MODES EFFECTS ANALYSIS	1	19//04/2016	1
Various trial reports	Wigan – TXM depot, Carlisle - Story yard	1	May 2016	1
Technical Bulletin	Technical Bulletin – ARC Mark II Rail Cropper	1	02/07/2020	2
Z0006	Technical drawing MK2 blade	1	29/06/2020	2

Manuals and Training Materials

Reference	Title	Doc. Rev.	Date and Applies to Cert. issue No.	
Astra ARC Rail Cutter	Operating Instructions Manual	1.0.0	29/09/2016	1
Astra ARC Rail Cutter	Operating Instructions Manual MK3	1.0.0	30/06/2020	2

Certificate History

Issue	Date	Issue History
1	29-09-2016	Mk1 accepted for use
2	17-07-2020	Mk2 and Mk3 approved for use, change of OEM name from Astra Site Services to Sunbelt Rentals Plant Attachments

Contact Details

Manufacturer

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Sunbelt Rentals Plant Attachments**Issue :** 2
Valid From : 17-07-2020**General Terms & Conditions****1) General**

- 1) This certificate can only be amended by Network Rail Product Acceptance, the Professional 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.

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 Acceptance Requirements and in any deed of warranty for the relevant certificate number.
- 2) Notify Network Rail Product Acceptance:
 - 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 2011, where the specification and/or Product Acceptance Certificates specify quality assurance classifications (QA1 to QA5) 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 sponsor 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 GE/RT8270, 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 Regulation) 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.