

**Manufacturer:**  
Henry Williams Ltd

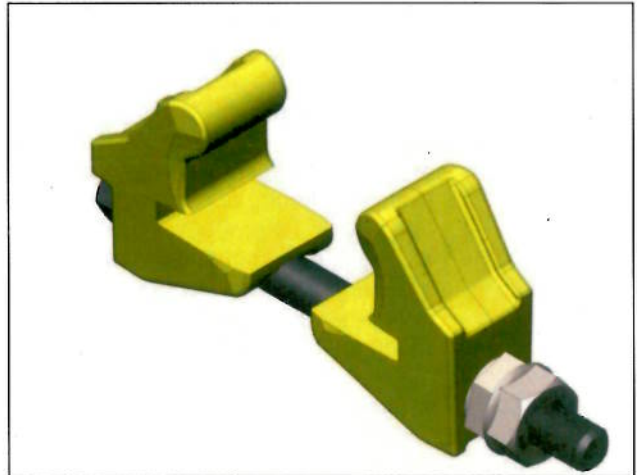
**Issue :** 2  
**Valid From :** 25-05-2017

**CLAMP TYPE 'B', 109/110A/113A & CEN 60 E-1 (UIC60) FB, FOR TEMPORARY JOINTS / RAIL DEFECT CLAMPING, FOR USE UP TO 50 MPH**

### Product Description

Clamps to be used for clamping rail defects in track and the forming of temporary rail joints in conjunction with the associated fishplates.

### Product Image



### Scope of Acceptance

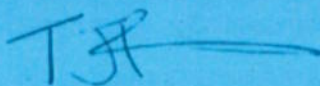
#### Full Acceptance

Clamps to be used for clamping rail defects in track and the forming of temporary rail joints in conjunction with the associated fishplates.

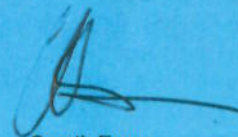
Network Rail Acceptance Panel (NRAP) hereby authorises the product above for use and trial use on railway infrastructure for which Network Rail is the Infrastructure Manager under the ROGS regulations.

Reviewed by:

Authorised by:



Tom Riley  
Product Acceptance Coordinator



Gareth Evans  
Professional Head of Track

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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) Adhere to the latest relevant standards/ drawings are available and worked to, and that the product is compliant.
- 2) Notify Network Rail Acceptance Services:
  - Within 48 hours, of any deficiencies affecting the product quality, functionality and safety integrity of the product (including corrective action undertaken or proposed).
  - Of any intended change to the accepted product. Changes include:
    - a) a change to the product configuration (to the actual product or its application);
    - b) a variation to or addition of manufacturing locations or processes; and
    - c) a change in the name or ownership of the manufacturing company.
- 3) The manufacturer will offer support to installers where required.
- 4) Provide all documentation in the English (UK) language.
- 5) Provide operating and maintenance manuals to purchasers/users of the product.
- 6) Refer to General Terms and Conditions

### User

- 1) Users of the product are responsible for ensuring compliance with the certificate conditions. If a condition is not understood guidance shall be sought from Network Rail Acceptance Services.
- 2) Users are responsible for checking that the product is fit for purpose and that the application of use complies with the scope of acceptance. Any product defect should be taken up immediately with the supplier. If the defect is a design or manufacturing fault likely to affect performance and/or the safe operation of the railway this shall be reported in writing to Network Rail Acceptance Services.
- 3) Anyone becoming aware of a change to the product configuration (to the actual product or its application) should inform Network Rail Acceptance Services in writing.
- 4) All staff required to use the equipment shall be suitably trained and, where appropriate, qualified as competent to use it.
- 5) Products shall be maintained in accordance with the manufacturer's recommendations.
- 6) Products shall be repaired / serviced by the manufacturer or its nominated agent only.
- 7) Where the product is to be used in areas where Network Rail is not the Duty Holder (e.g. Leased Stations), the sponsor shall obtain formal consent from the Duty Holder for the locality where the equipment is to be installed in compliance with Railway Group Standard GE/RT8270 to deploy that equipment on, or about, or as part of that party's on or about their infrastructure. The decision of that party is absolute, and cannot be overridden except through the escalation processes established in the ROGS regulations.
- 8) Where the M27 Hardlock nut is being used as supplied with the Henry Williams C-Clamp; the nuts shall be run up by hand without the need of powered plant. A calibrated torque wrench **MUST** be used to tighten to the specified torque. See clause 9 below
- 9) Shall only be used on the Network Rail Infrastructure where all bolts shall be torqued to  
**Tighten convex (bottom) nuts to 400-475 N·m (300-350 ft·lbf)**  
**Tighten concave (top) nuts to 250-390 N·m (185-290 ft·lbf)**  
 Under-torque can result in a joint failure. Over-torque can result in a bolt/nut failure.
- 10) The M27 Hardlock nut can be used more than once but **MUST** be inspected after each use; inspect the thread and both nut mating surfaces for damage. If any damage is found replace both nuts with new. OEM bolts only to be used as replacements. 0057/054266.

# Certificate of Acceptance

PA05/06848

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## Product Configuration

### System or Complete Assembly

Part No.	Description	Catalogue No.
2013.016-A1-001	C-CLAMP COMPLETE ASSEMBLY	0057/054265
2013.016-B1-001	C-CLAMP INNER	Not sold Separately
2013.016-B1-002	C-CLAMP OUTER	Not sold Separately
BLT-M27-001	M27 x 345 HEX BOLT CLASS 10.9	0057/054266
NUT-M27-001	STAYTITE HARDLOCK NUT M27 – containing Convex Nut (Class 10.9) Concave Nut (Class 8.8) Conical Washer	0057/054267

## Assessed Documentation

Reference	Title	Doc. Rev.	Date and Applies to Cert. issue No.	
2013.016-A1-001	C Clamp Assembly Drawing 2013.016/A1	1	25/05/2017	2
HWTRC01	Temporary Rail Clamps Operation & Maintenance Manual	1.2	25/05/2017	2
-	C Clamp Parts List	1	25/05/2017	2
Henry Williams Railtex 17 Bolt Proposal	Analysis comparing M24, M27 and 1" bolts for rail clamp application	1	25/05/2017	2
NR/L2/TRK/2102	Design and Construction of Track	8	25/05/2017	2
NR/L2/TRK/001/MANUAL	Inspection and Maintenance of Permanent Way	10	25/05/2017	2

## Certificate History

Issue	Date	Issue History
1	16/10/2013	First accepted for use on PA05/05812
2	25/05/2017	Re-issued to remove from PA05/05812 to be on stand-alone certificate. Add and amend user clauses and amend Product configuration, descriptions and PADS numbers.

## Contact Details

### Manufacturer

Henry Williams Ltd  
Andrew Nelson  
[adnelson@hwilliams.co.uk](mailto:adnelson@hwilliams.co.uk)

### Applicant

Tony Jackson  
Senior Engineer Track & Lineside  
[Tony.jackson@networkrail.co.uk](mailto:Tony.jackson@networkrail.co.uk)

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## 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.

