

Manufacturer:
Thomson Engineering Design Ltd

Issue : 1
Valid From : 14-11-2013

Panel Lifting Hook Beam

Product Description

The Panel Lifting Hook Beam is designed for use with twin jib track layers to eliminate the working at height issues traditionally associated with the use of these cranes.

Product Image



Scope of Acceptance

Full Acceptance

The Panel Lifting Hook Beam is designed for use with twin jib track layer cranes only, to eliminate the working at height issues.

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.

Authorised by:

Roger Moore
Senior Engineer (Asset Management & Railway Systems)

James Allenden
Professional Head

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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) Refer to general terms and conditions.

User

- 1) Equipment must only be used by authorised personnel in accordance with mandatory rules and regulations, equipment operating instructions, and the operators declared safe system of work for ALL operational circumstances on Network Rail infrastructure
- 2) Equipment Operator(s) shall ensure that equipment is maintained in accordance with equipment manufacturers recommendations detailed below:
 - Operation and Maintenance Manual.
- 3) Equipment Operator(s) shall ensure that all staff required to use the equipment are suitably trained.
- 4) Possession working only.
Limitation applies
"Not to be used outside of a possession"
- 5) Not to be used in Conductor rail areas without the relevant isolation permit.
Limitation applies
"Not to be used in LIVE third or fourth rail areas"
- 6) Appropriate PPE must be worn at all times whilst the equipment is being operated.
- 7) Unit weight is 235kg
Limitation applies
"Not to be manually lifted"
- 8) Noise levels:
None, but host machine exclusion zones must be observed
- 3) Failure to supply an adequate and timely report may delay achievement of full product acceptance and may result in the product under trial having to be removed and the infrastructure returned to an operational condition acceptable to Network Rail.

Product Configuration

System or Complete Assembly

Part No.	Description	Catalogue No.
170613Assem21	Hook lifting beam Complete	094/013701
260810Assem1	Swivel head assembly	094/013702
11021053	M16 Bolt	094/013703
M16	Nord Loc washer	094/013704
M16 x 90	Socket head capscrew	094/013705
13011301	Long serial plate	094/013706

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Assessed Documentation

Reference	Title	Doc. Rev.	Date and Applies to Cert. issue No.	
BSEN13977clause by clause.pdf	Clause by clause assessment against BS EN 13977 for the Hook lifting beam	1	Oct 2013	1 / 1
24 th Oct13 proposed application on the railway.pdf	24 th October 2013 the proposed application of the Hook lifting beam on the railway infrastructure	1	Oct 2013	1 / 1
24 th Oct13 requirements for product functionality.pdf	24 th October 2013 the requirements for the product functionality of the Hook lifting beam on the railway infrastructure	1	Oct 2013	1 / 1
24 th Oct13 requirements for product performance.pdf	24 th October 2013 the requirements for the product performance of the Hook lifting beam on the railway infrastructure	1	Oct 2013	1 / 1
EN directive 2000-42-EC checklist.pdf	Hook lifting beam EN directive 2000/42/EC checklist document	1	Oct 2013	1 / 1
Cert 130410.pdf	ISO 9001 certification	1	26/03/2013	1 / 1
100713Assem11 – sheet1.pdf	General arrangements drawing	1	Oct 2013	1 / 1
100613Assem21 – sheet1.pdf	General arrangements drawing x 3	1	Oct 2013	1 / 1
22 nd Oct13 IP statement.pdf	Hook lifting beam intellectual property rights statement	1	Oct 2013	1 / 1
Hook lifting beam parts list.pdf	Hook lifting beam parts list	1	Oct 2013	1 / 1
Certificate of conformity.pdf	Panel hook lifting beam EC certificate of conformity	1	Aug 2013	1 / 1

Manuals and Training Materials

Reference	Title	Doc. Rev.	Date and Applies to Cert. issue No.	
Operators instructions issue1.pdf	Panel lifting hook beam operating instructions	1	Aug 2013	1 / 1
Maintenance plan issue1.pdf	Panel lifting hook beam Maintenance plan	1	Aug 2013	1 / 1
23 th Oct13 competency and training.pdf	23 th October 2013 the competency and training of the Hook lifting beam on the railway infrastructure	1	Aug 2013	1 / 1
Course notes module M1.pdf	Training course module M1 notes	1	Aug 2013	1 / 1

Certificate of Acceptance

PA05/06016

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Certificate History

Issue	Date	Issue History
1	14/11/2013	First accepted for use

Contact Details

Manufacturer

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General Terms & Conditions

1) General

- 1) This certificate can only be amended by Network Rail Technology Introduction Group. Any alterations made by a different person 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 Technology Introduction Group:
 - 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 Technology Introduction Group 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 the Network Rail Technology Introduction Group.
- 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 Technology Introduction Group.
- 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 Technology Introduction Group.
- 4) Inform Network Rail Technology Introduction Group 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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Issue : 1**Valid From :** 14-11-2013**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.