



Acceptance National Specialist Team  
Network Rail,  
Floor 4, 40 Melton Street  
London.  
NW1 2EE

## Acceptance Advice Note (for Network Rail users)

From: Acceptance Specialist

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Date: 29.11.06

This advice note provides appropriate background information and any specific action that may be required in accordance with the **attached certificate**. It will enable you to meet your obligations in meeting the requirements of the Network Rail procedure NR/CS/ACC/029 (formerly RT/LS/P/029).

Certificate Ref.	Issue	Product
PA05/02965	2	Rail Lifting Beam TRLB20

Manufacturer		
Thomson Rail Equipment Ltd; Valley Road, Cinderford. Gloucs. GL14 2NZ.		
Telephone: 01594-826611	Fax: 01594-825560	Email: <a href="mailto:thomson.rail@btconnect.com">thomson.rail@btconnect.com</a>

Background/Reason for Issue
For use as a road/rail vehicle attachment for lifting rails subject to the specific conditions, control measures and limitations listed. Certificate re-issued to remove time based constraint.

Network Rail action
<b>THE CERTIFICATE CONTAINS CONDITIONS TO BE COMPLIED WITH AND THESE SHOULD BE READ BEFORE PROCUREMENT AND USE OF THE PRODUCT.</b>

Acceptance Specialist



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Network Rail  
Floor 4, 40 Melton Street  
London. NW1 2EE

## Certificate of Acceptance

Certificate No: PA05/02965 Issue: 2 Date: 29.11.06  
Effective date: 29.11.06 Page 1 of 4

<b>Product:</b>	Rail Lifting Beam TRLB20
<b>Manufacturer:</b>	Thomson Rail Equipment Ltd; Valley Road, Cinderford. Gloucs. GL14 2NZ.

***The product above is accepted for use on Network Rail infrastructure within the defined scope of acceptance and any specific conditions in the certificate. Failure to abide by the certificate requirements may lead to acceptance by Network Rail becoming invalid.***

### Scope of Acceptance

For use as a road/rail vehicle attachment for lifting rails subject to the specific conditions listed.

### Specific Conditions:

- To lift up to 30ft (9.2M) lengths of full head section flat bottomed rail (CEN60,113A,110) using 3.6m lift centres.
- To lift up to 60ft (18.3M) lengths of full head section flat bottomed rail (CEN60,113A,110) using 6.0m lift centres.
- To lift full head section bull head rails up to 20ft (6.5M) using 3.6m lift centres
- To lift full head section bull head rails up to 30ft (9.2M) using 6.0m lift centres
- Lifting Bull Head rails in excess of 30ft (9.2M) requires a tandem lift utilising 2 TRLB-20 beams , based on a 60ft(18.3M) rail with a spacing configuration of 1-6-4-6-1; pro rata.
- Glued insulated rail joints may be lifted but acceptance limits the length of mid rail jointed rails to 9.2m using 3.6m lift centres and 12m using 6.0m lift centres.
- Acceptance does not include curved rail with a radius of 500m or less.
- All maintenance lifting operations are to be planned in conjunction with NR SMP-TK-06 and managed on site in conjunction with NR SMP –TK-07.

Authorised by:

Allan J Jones CEng, MIMechE  
Head of Rail Vehicle Engineering



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Certificate No: PA05/02965

Issue: 2

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Page 2 of 4

## **SPECIFIC CONDITONS**

### **MANUFACTURER**

**Thomson Rail Equipment Ltd** shall:

- ensure that the latest relevant standards/ drawings are available and worked to, and that the product is compliant.
- notify the Network Rail Acceptance Specialist identified in the Acceptance Advice Note:
  - 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.
- provide operating and maintenance manuals to purchasers/users of the product.
- provide training manuals and an appropriate level of training to purchasers/users of the product.

### **USER CLAUSES**

#### **GENERAL**

- Users of the product are responsible for ensuring compliance with the certificate conditions. If a condition is not understood guidance must be sought from the Acceptance Specialist identified in the Acceptance Advice Note.
- Each party in the Network Rail supply chain procuring and receiving the product is responsible for ensuring that it 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 the Acceptance Specialist identified in the Acceptance Advice Note.
- Anyone becoming aware of a change to the product configuration (to the actual product or its application); and a variation to or addition of manufacturing locations or processes, should inform the Acceptance Specialist in writing.

#### **LIMITATIONS ON USE**

- The equipment shall only be operated inside a possession that shall normally include any adjacent lines. In situations where there are more than two lines, a risk assessment shall be carried out to determine if the line separation is sufficient to permit some lines to remain open to traffic.
- Each beam shall have a valid LOLER certificate.
- In the fully closed position, the beam shall only be used to lift new or serviceable rail up to 9.2 m in length
- In the fully extended position, the beam shall only be used to lift new or serviceable rail up to 18.3 m in length
- The beam shall only be used to lift longer lengths of rail when the rail is scrap and marked accordingly.



## Certificate of Acceptance

Certificate No: PA05/02965 Issue: 2 Date: 29.11.06  
Effective date: 29.11.06 Page 3 of 4

- The beam shall be subject to all applicable limitations on the Engineering Acceptance certificate of the RRV to which it is attached.
- The beam shall only be used with an RRV whose RCI indicator is active, and the lifting duty is in excess of the beam/load in the most adverse condition.
- The beam shall only be used to lift longer lengths of rail when the rail is scrap and marked accordingly

### CONTROL MEASURES REQUIRED.

- Only the Crane Controller shall be responsible for setting the central hydraulic lever control valve from the green position to the red position.
- The Crane Controller shall ensure that the beam is fully extended when lifting rail greater than 9.2 m (30ft) in length, and bull head rail greater than 6.5m (20ft).
- The equipment shall only be operated in accordance with a Safe System of Work.
- Equipment shall be maintained in accordance with the manufacturer's instructions.
- All staff required to use the equipment shall be suitably trained and, where appropriate, qualified as competent to use it.
- Equipment shall be repaired / serviced by the manufacturer or its nominated agent only.
- Equipment operators shall wear appropriate PPE.

### PRODUCT CONFIGURATION

Part No.	Description	PADS No.
TRLB20	Rail Lifting Beam	094/002031

### ASSESSED DOCUMENTATION

Reference	Title	Date and Applies to Cert. issue No.	
IF-P-0004-06	Interfleet Technology assessment against GM/RT1310	24.07.06	1
-	Recommendation from I Bostock, Network Rail, Track Engineering.	18.08.06	1
-	Thomson Rail Equipment acceptance submission	03.07.06	1
IF-P-0007-06	Interfleet Technology assessment against GM/RT1310	23.11.06	2

### CERTIFICATE HISTORY

Issue Number	Date	Issue History
1	24.10.06	First accepted for use on a time limited basis.
2	29.11.06	Open certification.



## Certificate of Acceptance

Certificate No: PA05/02965 Issue: 2 Date: 29.11.06  
Effective date: 29.11.06 Page 4 of 4

### **DISTRIBUTION**

#### **Manufacturer**

Thomson Rail Equipment Ltd;  
Valley Road, Cinderford.  
Gloucs. GL14 2NZ.  
[thomson.rail@btconnect.com](mailto:thomson.rail@btconnect.com)

#### **Sponsor**

N/A

Scott Harrison  
Network Rail  
York.  
[Scott.harrison@networkrail.co.uk](mailto:Scott.harrison@networkrail.co.uk)

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#### **For PADS records**

PADS Input Agent  
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#### **For Information/briefing**

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