



Specification

Safelift Overhead Runway Beams

Safelift overhead runway beams are Safelift products, produced by the Rossendale Group, backed by the Safelift Guarantee.

GENERAL PRODUCT DESCRIPTION

Safelift overhead runway systems provide an overhead lifting facility with horizontal travel in one plane. They are ideally suited to industrial environments where an overhead crane is either unpractical or uneconomic. The runway beam can be fitted to a free-standing structure, usually a goalpost arrangement, or to an existing supporting structure. Safelift runway systems are available in a range of capacities from 125kg to 10t as standard, up to 30t as specials, and in a range of spans, lengths and heights. They are designed as modern, lightweight and compact systems, yet are heavy duty for hardworking in all industrial, construction, warehousing and manufacturing environments.

Safelift overhead runway beams are fitted with Safelift electric chain hoists as standard, but are also available with Safelift manual hoists, electric wire rope hoists or pneumatic hoists.

Properly used and maintained, Safelift overhead runway beams will give long life in arduous industrial environments, and will allow the user to carry out lifting operations efficiently and safely.

SERIES DESIGN

Safelift overhead runway beams are designed with the Rossendale Group automated parametric design system using SolidWorks™ 3D CAD design software. The design utilises standardised, stocked components, which provides rapid delivery and the facility to extend or modify systems with ease and low cost.

UNIQUE DESIGN FEATURES

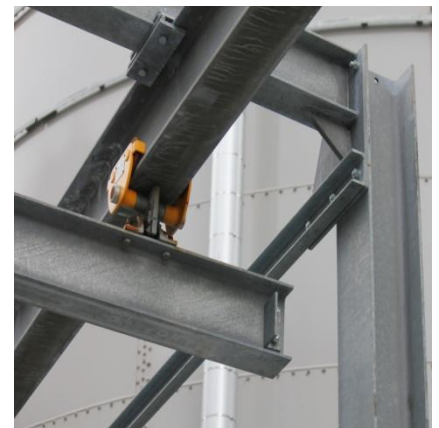
Safelift overhead runway systems include integrated supporting steelwork which spreads the imposed loads across the entire structure. The result is a lighter, lower cost structure with lower floor loadings and no bracing in any of the bays.

STANDARD COMPLIANCE AND QUALITY CONTROL

Safelift overhead runway beams are designed to BS EN 1993 Parts 1-6, Euro Code 3 (and BS 466 and 2573 parts 1 & 2 where relevant). They withstand operating stresses and deflect within the tolerances allowed in the standard. Construction uses steel to BS4360 and BS4. All fixings are grade 8.8.

Safelift overhead runway beams, crane and hoist products are manufactured within ISO9001 approved quality control facilities, which cover every stage of manufacturing from raw materials to the completed product.

Rossendale Group is a member of the Lifting Equipment Engineers Association. LEEA set, monitor and audit our technical, testing and certification standards. Every Safelift crane is subject to proof load testing and certified accordingly.



Many customers and third party bodies have audited and approved Rossendale Group as a manufacturer of overhead lifting equipment.

Safelift overhead runway beams are issued with a CE declaration of Conformity in accordance with the Supply of Machinery (Safety) Regulations 2008.



SAFELIFT STANADAR FEATURES

Extended 3 years parts and labour warranty (subject to single shift working and a service contract being taken with the Rossendale Group for the duration of the warranty)

24 hour service engineer call out service

Industry leading dimensional details

Coaxial gearbox with 3-stage reduction gears heated treated helicoidal teeth

Totally enclosed travel gears

Asbestos free brake linings

Spheroidal graphite cast iron rope guide (on all wire rope hoists)

Anti-derailment devices



SAFELIFT OPTIONAL FEATURES

Dual speeds to all motions

Top & bottom limit switches

Overload protection with a threshold level micro-switch

SPECIFIC DATA (applies to electric hoists on Safelift overhead runway beams)

Working temperature range	-10 to + 40 °C	Electric power supply	400-415V, 3phase, 50hz
Protection	Hoist IP55	Control voltage	48V
	Travel IP55	Noise level	< 85dB
	Pendant IP65	Motor Insulation	Class F

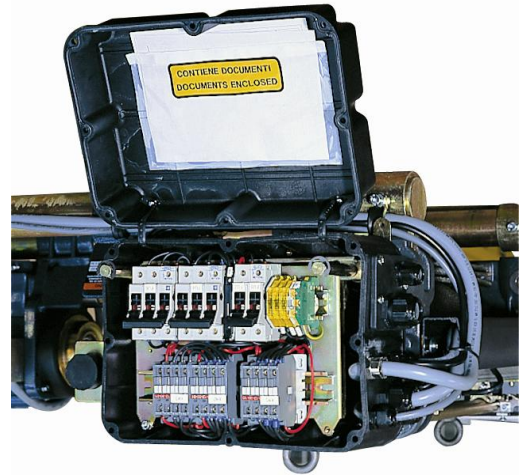
ELECTRICAL COMPONENTS

Where electrically operated hoists are fitted these are controlled by hold-on push buttons, each motion being electrically and mechanically interlocked. The control system operates on a 48V low voltage circuit.

The push buttons are fitted in a pendant conforming to IEC144 Class IP65, either suspended from the hoist or from trolleys running in a steel track along the full length of the beam.

The hoist and travel contactors conform to BS775. Each pair of triple pole reversing contactors is mechanically interlocked. Each control circuit and motor circuit is protected by HRC fuses.

Power feed is generally a looped flatform cable (ISO Grade PVC sheathed, PVC insulated) carried in a steel track.



PRODUCT FINISH

Standard paint finish is a single cover of paint to a minimum of 75 micron finish, RAL1016. The hoists and travel motors are finished in Hammerite Blue. Other finishes are available on request.

EXCEPTIONAL HAZARDS

When using Safelift overhead runway beams in exceptionally hazardous conditions, the degree of hazard should be assessed by a competent person. Examples of exceptional hazards include lifting or pulling of potentially dangerous loads such as molten metals, corrosive materials or fissile material, loads which can move and loads with a high centre of gravity, and certain offshore activities.

CERTIFICATION

Safelift overhead runway beams are lifting appliances for which the following regulations apply -

The Lifting Operations and Lifting Equipment Regulations 1998 (LOLER) require the user to hold a current Report of Thorough Examination. This equipment requires thorough examination at least every 12 months. Rossendale Group issues a Report of Thorough Examination with every new Safelift overhead runway beam and offers a re-examination service on site for the subsequent periodic examinations. The Supply of Machinery (Safety) Regulations 2008 requires the user to hold a Declaration of Conformity. Rossendale Group issues a Declaration of Conformity with every new Safelift overhead travelling crane.

TRAINING

Operators of Safelift overhead runway beams must be trained in the safe use of the equipment, as required by The Management of Health and Safety at Work Regulations 1999, The Provision and Use of Work Equipment Regulations 1998 and The Health and Safety at Work Act 1974. Rossendale Group provides training courses for overhead runway beams and other lifting equipment.



STORAGE

When not in use, hoists on Safelift overhead runway beams should be parked safely, with the pendant or radio control device safely out of access to unauthorised users.

DOCUMENTS

Instructions for Safe Use and Operating Instructions for Safelift equipment are available at www.rossendalegroup.co.uk. Declarations of Conformity and Reports of Thorough Examination, including any ongoing periodic reports issued by Rossendale Group, are available at our SiteCert web site www.sitecert.info/. Purchasers and users of Safelift equipment and Rossendale Group examination clients are issued with user name and password access to their certificates.



rossendalegroup LIFTING EQUIPMENT EXAMINERS			
LOLER Report of Thorough Examination of Lifting Equipment (REG2006)6			Report No. E1JA183135
Issued under and complies with the Lifting Operations and Lifting Equipment Regulations 1998. Issued following a thorough examination of lifting equipment within an interval of 6 months under LOLER regulation 20(6)(b)			Job No. E1JA183
Issued by Rossendale Group, Portside North, Merseyton Road, Ellesmere Port, CH65 2HQ Tel: +44(0)151 355 5091 Fax: +44(0)151 321 2108 Email: sales@rossendalegroup.co.uk Web: www.rossendalegroup.co.uk			Date of this examination 04/02/2011
Employer or user for whom examination was made KME Plus Joint Venture PO Box 518, Bramcock House, Hesley Green, Wigan Lancs, WN1 6AR			Date next examination due 03/08/2011
Location at which examination was made, if different Flatwood WW7W			
Identification mark US112004	Particulars sufficient to identify the equipment Overhead crane single girder top running		
SWL 3.2 t	Notes		
Proof test applied by Rossendale Group None	Colour code (where applicable) None		
Site location Sludge treatment building			
Is the equipment installed properly (where applicable) and safe to operate? YES			
Only where 'Yes' is reported above has the equipment on this report has been thoroughly examined for any defect and been found to be of adequate strength and stability and suitable for continued use by suitably trained personnel.			
Examination & report by Clive Targent			
Date of last examination (where known) 14/12/2008	Lifting Equipment Engineer authorized by Rossendale Group		
Date of this report 04/02/2011	Report authorized by 		
Date next examination due 03/08/2011	Simon Bamford, Rossendale Group Ltd		
Client P.O. No.			

SWL

The Safe Working Load of a Safelift overhead runway beam is clearly marked on the beam and hoist. In certain circumstances the SWL may be derated. The user must not exceed the marked SWL.

SELECTION

Safelift overhead runway beams are available in a range of sizes, capacities and duty classes. Select the equipment to be used and plan the lift taking into account the capacity, class of use and range of lift. Consult the supplier if the hoist or beam is to be used in areas of high risk, exposed to the elements, water, steam etc, with hazardous substances, e.g. acids or chemicals, or subjected to extremes of temperature.

INSTALLATION

Installation of Safelift overhead runway beams is carried out by competent installation engineers, who take account of all loadings when specifying supporting structures. Overhead runway beams and the supporting structures must be tested and certified before first use.

MAINTENANCE PERIODS

LOLER requires periodic examination of an overhead runway beams at least every 12 months. It is the responsibility of the operator to establish an appropriate maintenance period for each specific crane.

SPECIALS

Rossendale Group specialises in the design and manufacture of special purpose overhead runway beams. Special applications include –

Low-headroom runways, hoists and rolling beams

Heavy-duty steel plant and galvanising plant runways, hoists and rolling beams

Vehicle manufacturing and automated process runways, hoists and rolling beams

Water treatment works, offshore and extreme environment runways, hoists and rolling beams

Sparkproof, Ex runways and nuclear installation, hoists and rolling beams

