



Specification

Safelift Jib Cranes

Safelift jib cranes are Safelift products, produced by the Rossendale Group, backed by the Safelift Guarantee.

GENERAL PRODUCT DESCRIPTION

Safelift jib cranes provide a slewing overhead lifting facility, ideally suited to industrial workshop environments where an overhead crane is either unpractical or uneconomic. The slewing arms can either be wall or building column mounted or can be supported by their own free-standing column. The jib arm slews on steel spherical bearings or bushes giving balanced, easy rotation of the arm. They are available in a range of capacities from 125kg to 3.2t as standard, up to 6.3t as specials, and in a range of spans and heights. Standard components are series produced and selected according to duty requirements, giving an economic, safe and reliable jib crane to suit the customer's precise requirements.

Safelift jib cranes are available with either manual, electric, or pneumatic hoists with push, geared, or powered trolleys.

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

SERIES DESIGN

Safelift jib cranes 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.

Safelift jib cranes are manufactured in four basic types -

Type JFU – Freestanding underbraced jib crane

Type JFO – Freestanding overbraced jib crane



Type JWO – Wall mounted overbraced jib crane



Type JWU – Wall mounted underbraced jib crane



STANDARD COMPLIANCE AND QUALITY CONTROL

Safelift cranes are designed to BS733 1990. 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 jib 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 jib crane is subject to proof load testing and certified accordingly.

Many customers Engineers and third party bodies have audited and approved Rossendale Group as a manufacturer of overhead lifting equipment. Safelift jib cranes are issued with a CE declaration of Conformity in accordance with the Supply of Machinery (Safety) Regulations 2008.



SAFELIFT STANADARD 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
- Dual speeds to all motions
- Industry leading dimensional details
- Top & bottom limit switches
- Spheroidal graphite cast iron rope guide
- Coaxial gearbox with 3-stage reduction gears with heat treated helicoidal teeth
- Totally enclosed travel gears
- Asbestos free brake linings
- Overload protection with a threshold level micro-switch

SPECIFIC DATA

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

HOIST TYPE OPTIONS

- > Manual chain hoist
- > Electric chain hoist
- > Air chain hoist
- > Electric wire rope hoist



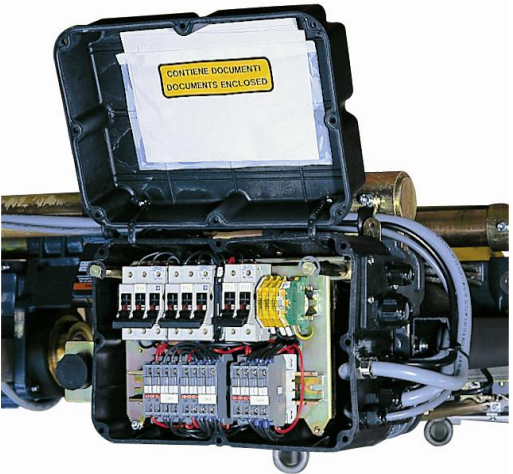
ELECTRICAL COMPONENTS

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 jib cranes 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 jib cranes 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 jib crane 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 jib cranes 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 jib cranes and other lifting equipment.



STORAGE

When not in use, Safelift jib cranes 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.

		Report No. E1JA183135 Job No. E1JA183 Date of this examination 04/02/2011 Date next examination due 03/02/2011
LOLER Report of Thorough Examination of Lifting Equipment (R02009)		
Issued under and complies with the Lifting Operations and Lifting Equipment Regulations 1998 LOLER regulation 3(9)(b)		
Issued by Rossendale Group, Portside North, Merseyton Road, Ellesmere Port, CH65 2HQ Tel: +44(0)1512259811 Fax: +44(0)1512272108 Email: sales@rossendalegroup.co.uk Web: www.rossendalegroup.co.uk		
Employer or user for whom examination was made 438 Flax Joint Venture PO Box 518, Brambank House, Hensley Green, Wigan Lancs, WN1 6AR	Location at which examination was made, if different Pinesworth WW7W	
Identification mark Particulars sufficient to identify the equipment Notes SWL Proof load applied by Rossendale Group Colour code (where applicable) Site location	UU115204 Overhead crane single girder top running 3.21 None Sludge treatment building	
Is the equipment installed properly (where applicable) and safe to operate? <small>Only where 'Yes' is reported above has the equipment on this report 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.</small>		YES
Examination & report by Date of last examination (where known) Date of this report Date next examination due Client P.O. No.	Dave Sargent 14/12/2009 04/02/2011 03/02/2011 Simon Bamford, Rossendale Group Ltd.	 Lifting Equipment Engineer authorised by Rossendale Group



SWL

The Safe Working Load of a Safelift jib crane is clearly marked on the arm of the crane. In certain circumstances the SWL may be derated. The user must not exceed the marked SWL.

SELECTION

Safelift jib cranes are available in a range of sizes, capacities and duty classes. Select the crane to be used and plan the lift taking into account the capacity, class of use and range of lift. Consult the supplier if the crane 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 jib cranes is carried out by competent installation engineers, who take account of all the crane loadings when specifying supporting structures. Jib cranes and the supporting structures must be tested and certified before first use.

MAINTENANCE PERIODS

LOLER requires periodic examination of a jib crane 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 jib cranes. Special applications include –

- Heavy-duty steel plant jib cranes
- Galvanising plant jib cranes
- Automated process jib cranes
- Water treatment works jib cranes
- Vehicle manufacturing process jib cranes
- Extreme environment jib cranes
- Offshore jib cranes
- Sparkproof jib cranes
- Ex jib cranes
- Nuclear installation jib cranes
- Power slewing jib cranes
- Knuckle jib cranes

