



Operation & Maintenance Instructions

Instructions for Safe Use

Safelift Wire Rope Pulling Machines

Certification Safelift wire rope pulling machines are lifting appliances for which the following regulations apply -

The Lifting Operations and Lifting Equipment Regulations 1998 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 wire rope pulling machine and offers a re-examination service on site or in our works 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 wire rope pulling machine.

Training Operators of Safelift wire rope pulling machines 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 wire rope pulling machines and other lifting equipment.

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.

SWL The Safe Working Load of Safelift wire rope pulling machines is marked on the equipment. In certain circumstances the SWL may be derated. The user must not exceed the marked SWL.

Selection Safelift wire rope pulling machines are available in a range of capacities and with different wire lengths. Select the wire rope pulling machine to be used and plan the lift/pull taking into account the load and the configuration of the lift/pull. Consult the supplier if the wire rope pulling machine 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.

Safe Use This document is issued in accordance with the requirements of Section 6 of the Health and Safety at Work etc Act 1974, amended March 1988. It outlines the care and safe use of wire rope pulling machines and is based on Sections 4 of the LEEA Code of Practice for the Safe Use of Lifting Equipment. This information is of a general nature only covering the main points for the safe use of wire rope pulling machines. It may be necessary to supplement this information for specific applications.

ALWAYS

- Store and handle wire rope pulling machines correctly.
- Inspect the machine, rope and accessories before use and before placing into storage.
- Ensure mounting and suspension points are secure and suitable for the full loads that will be imposed.
- Ensure the machine is free to align correctly with the rope and the rope is free of any obstructions.
- Use only the correct rope supplied for the machine.

NEVER

- Use kinked, damaged ropes or ropes with broken wires.
- Extend or force operating levers.
- Operate raising and lowering levers at the same time.
- Use wire rope pulling machines if the rope is twisted or trapped.
- Use wire rope pulling machines for man-riding applications unless they are specifically designed/adapted for that purpose.

SELECTING THE CORRECT WIRE ROPE PULLING MACHINES

Wire rope pulling machines are available in a range of capacities, with manual operation (hydraulic operation is available for certain applications) for both lifting and pulling duties. Various rope lengths are available. Select the machine to be used taking the following into account:

Type of machine - manual, hydraulic - lifting or pulling capacity - length of rope and need for rope collecting/coiling.

Rigging arrangement - diverters, pulley blocks - anchorage and suspension points - imposed loads.

Consult the supplier if the machine is to be used for man-riding applications.

STORING AND HANDLING WIRE ROPE PULLING MACHINES

- Never return damaged wire rope pulling machines, ropes etc to storage. They should be dry, clean and protected from corrosion.
- Rope should be carefully coiled onto a suitable drum or frame for storage, taking care to avoid any twists.
- Store machines and ropes on a suitable rack, not on the floor where they may be damaged.

INSTALLING AND COMMISSIONING

Follow any specific instructions for installation and commissioning issued by the supplier.

USING WIRE ROPE PULLING MACHINES SAFELY

- Do not use defective wire rope pulling machines, ropes, pulleys etc.
- Check the rigging arrangement, that anchorage and suspension points are secure and adequate for the imposed loads.
- Ensure the correct rope is fitted and that it is not twisted or kinked. The machine must be free to align with the rope.
- For lifting operations do not exceed the marked SWL. The line pull must not exceed that stated for pulling applications.
- Only use the operating lever provided with the machine and do not extend this with tubes etc. Undue force will damage the machine or cause safety pins to shear.
- Do not attempt to operate the raising and lowering levers at the same time.
- For man-riding applications only use a machine which has been designed or specially adapted for that purpose, following the supplier's specific instructions. Additional safety equipment will be necessary.

IN-SERVICE INSPECTION AND MAINTENANCE

- Follow the specific instructions for maintenance issued by the supplier. These should be incorporated into the site maintenance programme observing any particular needs due to the site or working conditions. Lack of lubrication will result in a jerky movement or failure to operate. Keep the machine well lubricated. It is impossible to over lubricate wire rope pulling machines.
- Regularly inspect the wire rope pulling machine and rope and, in the event of the following defects, refer the machine to a Competent Person for thorough examination: casing damaged or distorted; shear pins distorted or broken; operating lever bent or distorted; incorrect diameter sheaves used in association with rope; incorrect rope fitted; rope is kinked, worn, corroded or has broken wires; wire rope termination is damaged, cracked or pulled; terminal fittings damaged, distorted, cracked or gouged; marking illegible; jerky operation; any other visual defects or operational faults.