

Electric wire rope hoist

REMOTE



Original of the OPERATING INSTRUCTIONS

Store for future use

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Dear customer

This hoist is an indispensable product for daily transportation.

When using wire rope hoists, some safety measures must be taken to avoid injury to persons and damage to the product.

Wire rope hoists should only be used by trained personnel.

Please read these instructions and keep them in a safe place so that they are always at hand.

We accept no liability for accidents and damage caused by non-observance of these instructions!

Suitable for commercial, industrial or professional applications only.

Operating instructions

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Model:	200/400kg, 500/990kg
Year of manufacture:	2023

Customer entries

Inventory no:	
Location:	

Storage

The operating instructions must be kept in the responsible specialist department. They must always be at hand.

Table of contents

1	Basic safety instructions	1-1
1.1	Observe the notes in the operating instructions	1-1
1.2	Obligation of the operator	1-1
1.3	Obligation of the personnel	1-1
1.4	Dangers when handling the wire rope hoist	1-2
1.5	Warranty and liability	1-2
1.6	Safety instructions	1-3
1.6.1	Explanation of symbols and notes	1-3
1.6.2	Organizational measures	1-4
1.6.3	Informal security measures	1-4
1.6.4	Training of personnel	1-4
1.6.5	Safety measures during normal operation	1-4
1.6.6	Maintenance and troubleshooting	1-5
1.6.7	Structural modifications to the wire rope hoist	1-5
1.6.8	Cleaning and disposing of the wire rope hoist	1-5
2	Product description	2-1
2.1	Intended use	2-1
2.2	Technical data	2-1
2.2.1	Loading/Dimensions/Weight	2-1
2.2.2	Ambient conditions	2-1
2.3	Structure	2-1
3	Transport and commissioning	3-2
3.1	Safety when transporting the wire rope hoist	3-2
3.2	Operating the radio remote control	3-2
4	Operation	4-4
4.1	Safety instructions	4-4
4.2	Daily check before commissioning	4-6
5	Maintenance	5-7
5.1	Safety instructions	5-7
5.2	Maintenance plan	5-7
5.3	Testing and cleaning	5-8
5.4	Grease	5-8
5.5	Repair	5-8
6	Troubleshooting	6-9
7	Decommissioning, storage, disposal	7-14

7.1	Storage conditions	7-10
7.2	Decommissioning	7-10
7.3	Disposal	7-10

1 Basic safety instructions

1.1 Observe the notes in the operating instructions

The basic prerequisite for safe handling and trouble-free operation of the wire rope hoist is knowledge of the basic safety instructions and the safety regulations.

These operating instructions contain the most important information on how to operate the wire rope hoist safely.

These operating instructions, in particular the safety instructions, must be observed by all persons working with the wire rope hoist.

In addition, the rules and regulations for accident prevention applicable to the respective place of use must be observed.

1.2 Obligation of the operator

The operator undertakes to allow only persons to work with the wire rope hoist who are

- are familiar with the basic regulations on work safety and accident prevention and have been instructed in the handling of the wire rope hoist,
- have read and understood the safety chapter and the warning notes in these operating instructions and have confirmed this by their signature.

1.3 Commitment of the staff

All persons assigned to work with the wire rope hoist undertake, before starting work:

- to observe the basic regulations on occupational safety and accident prevention,
- to read the safety chapter and the warning notes in these operating instructions and to confirm by their signature that they have understood them.

1.4 Dangers in handling de m rope hoist

The wire rope hoist has been built in accordance with the state of the art and recognized safety regulations. Nevertheless, its use may cause danger to life and limb of the user or third parties or damage to the wire rope hoist or other material assets. The wire rope hoist may only be used

- for the intended use; see chapter 2.1,
- in perfect condition in terms of safety.



Information.

Malfunctions that may affect safety must be eliminated immediately.

1.5 Warranty and liability

In principle, our "General Terms and Conditions of Sale and Delivery" apply. These are available to the operator at the latest since the conclusion of the contract.

Warranty and liability claims for personal injury and property damage are excluded if they are due to one or more of the following causes:

- Improper use of the wire rope hoist.
- Improper assembly, commissioning, operation and maintenance of the wire rope hoist.
- Failure to observe the instructions in the operating manual regarding transport, storage, assembly, commissioning, operation and maintenance of the wire rope hoist.
- Unauthorized structural changes.
- Unauthorized modification of the cable pull.
- Poor monitoring of parts that are subject to wear.
- Improperly performed repairs.
- Catastrophic events caused by foreign bodies and force majeure.

1.6 Safety regulations

1.6.1 Explanation of the symbols and notes



Danger!

This symbol in connection with the signal word "Danger" means an imminent danger to the life and health of persons.

⇒ **Failure to follow these instructions will result in severe adverse health effects, including life-threatening injuries.**



Warning.

This symbol, in conjunction with the signal word "Warning", means a possible imminent danger to the life and health of persons.

⇒ **Failure to follow these instructions may result in serious adverse health effects, including life-threatening injuries.**



Caution.

This symbol in connection with the signal word "Caution" means a possibly dangerous situation.

⇒ **Failure to follow these instructions may result in minor injuries or damage to property.**



Information.

This icon provides you with application tips and particularly useful information.

⇒ **They help you to make the best use of all the functions of your wire rope hoist.**



Personal protective equipment!

⇒ **To protect against injuries, wear protective gloves and safety shoes while working with the chain hoist.**

1.6.2 Organizational measures

The required personal protective equipment must be provided by the operator.

Persons who are not involved in the operation of the wire rope hoist must be expelled from the danger area of the wire rope hoist and must stay at a safe distance.

1.6.3 Informal security measures

The operating instructions must be kept for future use.

In addition to the operating instructions, the generally applicable and local regulations for accident prevention and environmental protection must be provided and observed.

All safety and danger notices on the wire rope hoist must be kept in legible condition and renewed if necessary.

1.6.4 Staff training

Only trained and instructed personnel may work with the wire rope hoist.

Activity \ People	instructed operating personnel	Persons with mechanical training
Operation	X	X
Troubleshooting	--	X
Troubleshooting	--	X
Maintenance	--	X

Legend: X ... Allowed -- ... not allowed

1.6.5 Safety measures during normal operation

Only operate the wire rope hoist when you are sure that it is in proper condition.

Pay particular attention to the proper condition of the levers, chains and hooks.

Check the wire rope hoist for externally visible damage and functionality at least once a day.

Never transport persons with the wire rope hoist.

Be aware of the influence of wind when operating the wire rope hoist outdoors.

Only operate the wire rope hoist with sufficient ambient lighting.

.

1.6.6 Maintenance and troubleshooting

Perform prescribed maintenance and inspection work in due time.

Maintenance and troubleshooting only by trained personnel.

Check loosened screw connections for tightness.

Replace defective seals.

1.6.7 Structural changes on the wire rope hoist

Do not make any modifications, additions or conversions to the wire rope hoist without the manufacturer's approval. Unauthorized modifications to the wire rope hoist are prohibited.

This also applies to welding on load-bearing parts.

All conversion measures require the written approval of Trading EU GmbH.

Immediately replace parts that are not in perfect condition.

Only use original spare and wear parts.

In the case of externally purchased parts, there is no guarantee that they have been designed and manufactured to withstand the stresses and to meet safety requirements.

1.6.8 Cleaning and disposal of the wire rope hoist

Properly handle and dispose of used substances and materials in an environmentally friendly manner, in particular

- when working on lubrication systems and equipment,
- when cleaning with solvents.

2 Product description

2.1 Intended use

The wire rope hoist is designed exclusively for lifting loads on the up to the specified maximum load.

Maximum loads:

Type	Mini 230V
Capacity (kg)	50/100, 125/250, 150/300, 250/500, 300/600, 400/800, 500/1000
Lifting height (m)	6/12

Any other use or use beyond this is considered improper and is a misuse of the wire rope hoist. Trading EU GmbH is not liable for any damage resulting from this.

2.2 Technical data

2.2.1 Loading/Dimensions/Weight

Type	Unit	Mini 230V	Mini 230V	Mini 230V	Mini 230V	Mini 230V	Mini 230V	Mini 230V
Load capacity	kg	50/100	125/250	150/300	250/500	300/600	400/800	500/1000
Weight	kg	4,88	10	10,5	16,3	17,5	19,8	31,5
Lifting height	m	6/12	6/12	6/12	6/12	6/12	6/12	6/12
Power	W	480	600	950	1200	1250	1300	1600

2.2.2 Environmental conditions

	Transport and storage	Operation
Temperature	-25 °C to + 55 °C	+ 5 °C to + 40 °C
Humidity	dry, roofed	without condensation

Storage/installation
site

Observe the transport instructions on the packaging

- dust free

2.3 Structure



Figure 2-1: Structure

Pos.	Designation
1	Motor
2	Fastening hooks
3	Control panel

3 Transport and commissioning

3.1 Safety during transport of the chain hoist



Caution.

Transport of the hoist to the place of use.

The wire rope hoist may fall off the transport vehicle or tip over.

Crushing of limbs is possible.

⇒ **Only use suitable means of transport with sufficient load-bearing capacity.**

⇒ **Observe the weight specifications in the technical data.**

⇒ **Observe the relevant regulations, e.g. UVV.**

3.2 Operation radio remote control/transmitter

Insert the AA type batteries into the transmitter at full power. Turn the knob key switch to ON and press the START button for 5 seconds to start the remote control.

Control:

(Automatic shutdown without action within 10 minutes) Operate the transmitter using the Handling key function according to the following sequence:

(1) Press emergency call key

(2) Turn off the key switch and pull it out if it will not be used for a long time.

The transmitter is supplied with two AA alkaline batteries.

The LED indicator flashes green after you press the button and the batteries are fully charged. Otherwise, the LED indicator flashes red or does not flash when the batteries are low or empty.

Then the batteries should be changed soon.

The TX LED remains on with a red light?

Solution: Please remove the batteries and insert them again.

The cable does not react at all?

Solution: Turn off the main power for 20 seconds and turn it on again.

Coding Method:

The following steps should be taken before coding:

1. Disconnect the power supply to the receiver
2. Remove the battery of the transmitter

Perform the steps for coding as follows:

Press and hold the "Up" button and the "Stop" button and insert the battery into the battery compartment of the transmitter until the LED turns red. The transmitter flashes quickly, now you can release the buttons.

When the receiver is connected to the power supply, the red LED light of the transmitter changes from fast flashing to slow flashing. Now the receiver and transmitter are in the code assignment state.

When the transmitter code and channel has sent a number to the receiver, the code assignment can be completed by pressing "UP". To send the receiver code and channel number back to the transmitter, simply press the "DOWN" key to complete the coding process.

After successful coding, the led will be green and the transmitter will blink once,

4 Operation

4.1 Safety instructions



Danger!

Danger to persons and operating equipment.

- ⇒ **Danger of the load falling.**
 - ⇒ **Risk of overturning when lifting or setting down the load, especially due to swinging/swinging load.**
 - ⇒ **Danger of hitting persons and operating equipment due to swinging/swinging load.**
-



Danger!

Danger to persons and the wire rope hoist!

- ⇒ **Observe all safety and danger notices on the wire rope hoist and keep them complete and legible.**
 - ⇒ **Do not remove or modify safety devices on the wire rope hoist.**
 - ⇒ **Observe all general and special safety instructions in these operating instructions. Keep the operating instructions within easy reach at the place of use.**
 - ⇒ **Refrain from any working method that could compromise safety.**
 - ⇒ **Report the fault to the responsible office/person if safety-relevant changes have been made or if the operating behavior of the wire rope hoist changes.**
 - ⇒ **Observe the applicable accident prevention regulations of the employers' liability insurance association.**
 - ⇒ **Do not modify the wire rope hoist without authorization.**
-



Danger!

Danger to persons!

- ⇒ **Ensure that the wire rope hoist is rust-free. Use only on a sufficiently load-bearing surface.**
 - ⇒ **Prevent the load from swinging/oscillating.**
 - ⇒ **Make sure that there is no person in the danger zone before lifting or lowering loads.**
-



Danger!

Danger to life due to suspended load!

- ⇒ **Do not stand or work under suspended loads.**
- ⇒ **Never exceed the max. load capacity of the wire rope hoist.**
- ⇒ **Only use undamaged and sufficiently load-bearing lifting gear.**
- ⇒ **The load properly struck.**



Warning.

Improper operation!

- ⇒ **Familiarize yourself with the wire rope hoist.**
- ⇒ **Clearly define responsibilities and work areas.**
- ⇒ **Lifting people with the hoist is prohibited.**



Warning.

Improper operation!

- ⇒ **Only use the wire rope hoist for its intended purpose.**
- ⇒ **Check the wire rope hoist for damage before starting work.**
- ⇒ **Have damage to the hoist professionally repaired.**
- ⇒ **Only use the wire rope hoist when it is in a technically perfect, operationally ready and functionally safe condition.**



Warning.

Improperly performed work!

- ⇒ **First familiarize yourself with the individual assembly, maintenance and repair instructions, then carry out work.**
- ⇒ **Reattach detached components and check detachable connections for tight fit.**
- ⇒ **Check all screw connections regularly for tightness.**



Personal protective equipment!

- ⇒ **To protect against injury, wear protective gloves while working with the wire rope hoist.**

4.2 Daily check before commissioning

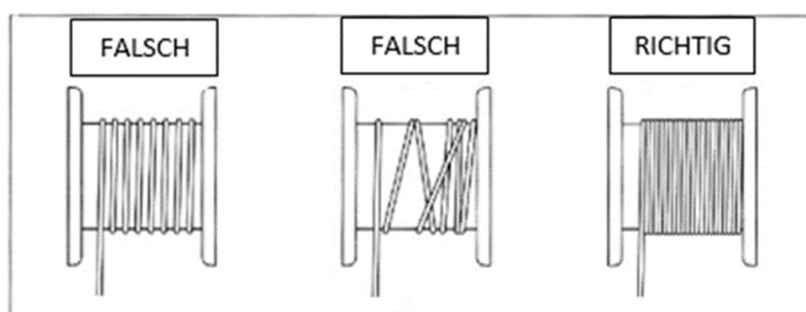
Check all moving parts **daily** for wear.

Check the wire rope hoist for loose bolts and nuts and tighten them if necessary.

Observe the mains voltage: The voltage of the power source must match the specifications on the nameplate of the wire rope hoist.

Make sure that the wire rope hoist is switched off when connecting it to the mains.

Make sure that the cable is correctly wound on the reel.



Leave at least three turns of the cable on the reel to avoid stressing the cable and damaging the cable's connection point.

General safety instructions

Your sockets must comply with safety regulations and applicable directives. If the sockets do not comply with the regulations, have them checked by a specialist.

Your electrical system must be equipped with an overcurrent / residual current circuit breaker.

Do not pull the cable to disconnect the device from the power supply.

If the wire rope hoist cannot lift a weight immediately, do not keep the actuation switch pressed. This means that the weight exceeds the maximum load capacity of the wire rope hoist.

Do not disassemble the hoist while it is in operation or connected to the power supply.

The hoist should be protected from frost and excessively low temperatures.

5 Maintenance

5.1 Safety instructions



Danger!

Observe the safety instructions!

⇒ **Observe the safety instructions in chapter 4 "Operation"**

5.2 Maintenance plan

The maintenance schedule lists the work to be performed on a regular basis.

Maintenance point	Clean	Fat	Inspect	Additional work	Frequency	Reference see chapter/page
Testing and cleaning	X	--	X	X	daily	5.3/5-8
Moving parts	--	X	X	--	At least every 3 months	5.4/5-8
Rope	--	X	X	--	As needed	

Legend: **X** ... Something to do here-- ... not applicable

5.3 Testing and cleaning

Check the following parts **daily** for wear:

- Rope,
- Hook

and clean these parts. Also check whether the parts are blocked by foreign bodies.

If the wire rope hoist is used in a dusty environment, impregnate it regularly with a greased cloth.

Check the wire rope hoist for loose bolts and nuts and tighten them if necessary.

Check the presence and legibility of all labels on the wire rope hoist, e.g. warning labels.

.

5.4 Fat

Moving parts:

Grease all moving parts of the wire rope hoist **every 3 months**. Depending on the duration and frequency of use, a shorter interval may also be necessary.

5.5 Repair

To keep the wire rope hoist running smoothly and in accordance with its intended use, maintenance or repair work is necessary or unavoidable.

In order to ensure the operational safety of the wire rope hoist, as well as to protect the personnel and the environment from unforeseen hazards, it is recommended to use original wear or spare parts and authorized accessories. Contact Trading EU GmbH to order spare parts.

6 Troubleshooting



Danger!

Observe the safety instructions!

⇒ **Observe the safety instructions in chapter 4 "Operation".**

Error	Cause	Remedy
Load is not lifted	Rope jammed	Try to loosen rope
	Overload	Max. Note load capacity
	Changeover lever defective	Replace changeover lever

7 Decommissioning, storage , disposal

Decommissioning, storage and disposal is one of the extremely rare operations to be performed.

7.1 Storage conditions

If you put the chain hoist out of operation for a longer period of time, keep the environmental conditions as described in chapter 2.2.2 described.

7.2 Decommissioning

Clean the hoist and cover it with a tarpaulin to protect it from dust.

7.3 Disposal

Pay attention to environmental compatibility, health risks, disposal regulations and their local options for disposal in accordance with regulations. For more information, contact your county waste management office.

Separate metals, non-metals, composites and auxiliary materials by type and dispose of them in an environmentally sound manner.

EG Konformitätserklärung / EC Declaration of conformity

EC Déclaration de conformité / EC Declaración de Conformidad / EC Dichiarazione di conformità

Hersteller:	Trading EU GmbH Gruckinger Str. 4 D – 85461 Bockhorn
Producer:	
Fabricant:	
Produttore:	
Fabricante:	

Hiermit erklärt der Hersteller, dass das Produkt

The producer hereby declares, that the following product

Le fabricant déclare par la présente que le produit

Il produttore dichiara che il prodotto

El fabricante declara que el producto

Bezeichnung und Modelltyp:	• REMOTE
Designation and type:	
Description et type:	
Designazione e tipo:	
Designación y tipo:	

folgenden einschlägigen Bestimmungen entspricht:

is in accordance with the following guidelines:

est conforme aux dispositions pertinentes suivantes:

è conforme alle seguenti disposizioni pertinenti:

cumple con las siguientes disposiciones pertinentes:

EG Maschinenrichtlinie 2006/42/EG, Amtsblatt L157/24
EC machinery directive 2006/42/EC
Directive de machine CE 2006/42/CE
Direttiva macchine CE 2006/42/CE
Directiva de máquinas CE 2006/42/CE

Angewandte harmonisierte Normen:	• EN ISO 12100:2010 • EN 1570-1:2010+A1:2014
Applied harmonized norms:	
Normes harmonisées appliquées:	
Norme armonizzate applicate:	
normas armonizadas aplicadas:	

Bockhorn, 11.05.2018

Ort, Datum


Bevollmächtigter Michael Seibold