

OPERATING INSTRUCTIONS OF TEPA 501.2 MASTWINCH

THE WINCH HAS BEEN ASSEMBLED AND TESTED BY THE MANUFACTURER

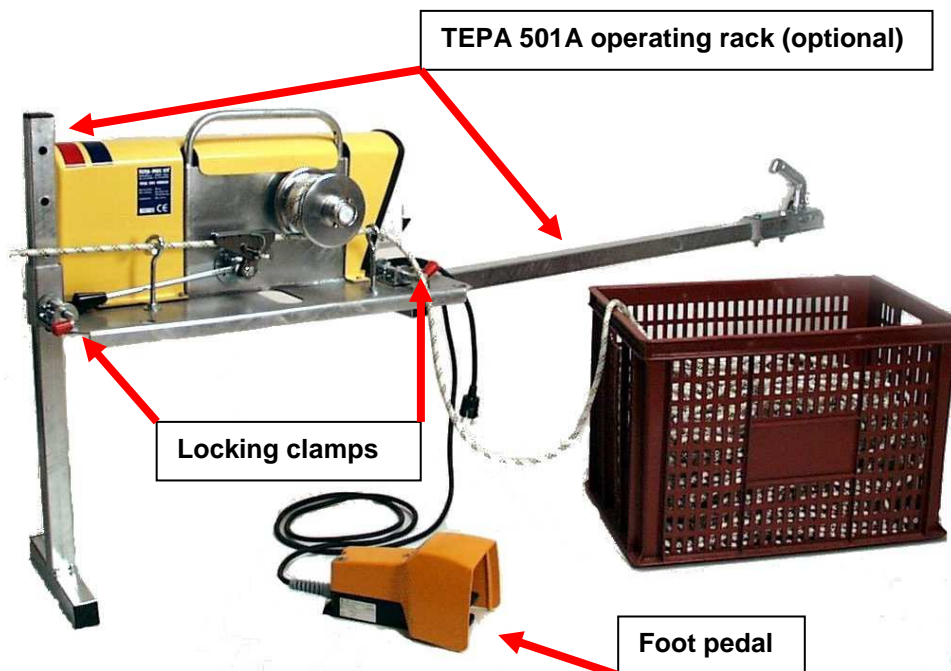
1. THE FASTENING OF WINCH

The operator must see to the arrangements of fastening very carefully.

As an optional equipment can be used a special rack TEPA 501A to attach the winch into a car's towing hook. Take care of park braking the car and that the locking devices of rack are attached. The winch is attached to the 501A rack so that the T shaped part goes to front trough square pipe and then locked to correct height with locking clamp. The other part of the operating stand goes to the rear of the winch and is locked with clamp.

The winch can also be attached from its frame to another robust base with help of fastening ropes. When using fastening ropes, the strength of rope must be at least 20 kN.

When the TEPA 501.2 Mastwinch is properly fastened and used according to the instructions, the operating is safe and easy



2. THE INSTALLATION OF ROPE

The rope and the rope pulleys are not included in a basic delivery. The winch is designed for an artificial twistrope. The diameter of rope is 10,5 mm, the tensile strength at least 20 kN and the maximum strain 4,5 %. A certificate of manufacture must be available for the rope.

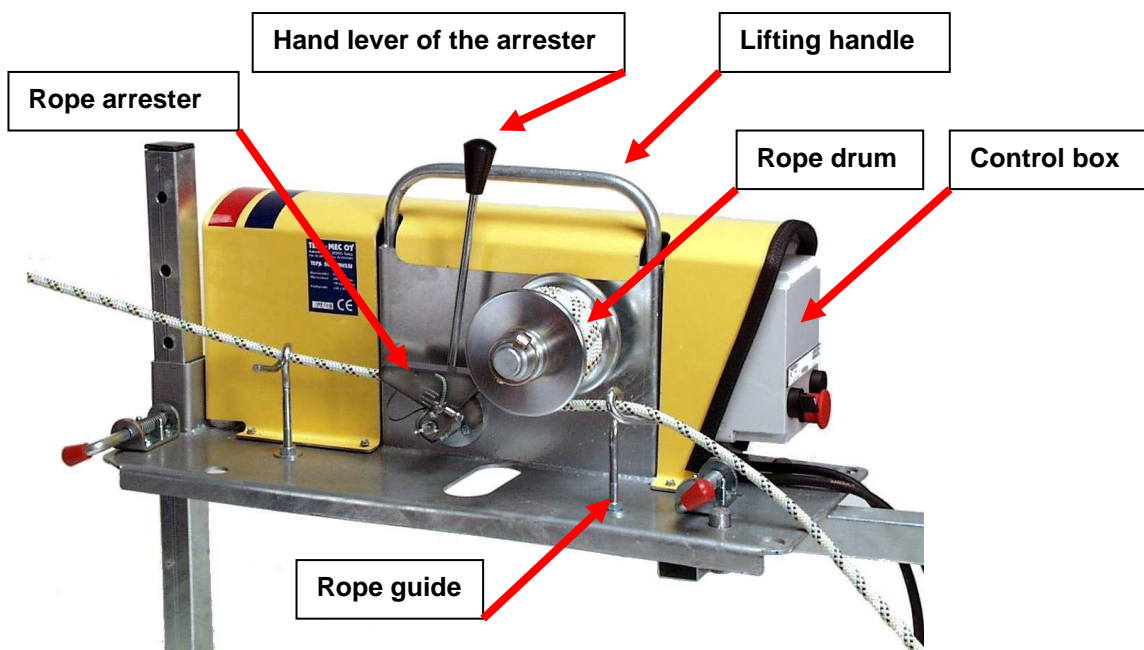
Before installation check the following points:

- The condition of rope
The rope fabric must be without rips. The rope must be clean, dry and knotless.
- The fastening of rope pulleys must be sufficient firm.

Install the rope to the rope arrester on left side of rope drum:

- Loosen the locking pin of the rope arrester.
- Install the rope between the clamps.
- Close the clamps and install the locking pin of the arrester.
- Check, that the point of locking pin is in safety position.

Install the rope underneath 2 - 3 rounds around the rope drum and through the rope guide.



3. OPERATING

Connect the power supply (230 V) to a plug.

Turn on the main switch in the control box in to I position. Check, that the red emergency stop is released. The drilling machine which operates the winch is equipped with two speeds. In the control box there is an adjustable current relay for limiting the load. The current relay is adjusted according the rated current value of the operating machine. The relay comes off on load of 380kg when using slow speed and on 120kg when using fast speed. The relay can be temporarily pass by pushing the by pass button in the control box and keep the button pushed down during the lift.

The rotation of drill is selected with a toggle switch. The electric drill is designed to rotate only clockwise for more efficient cooling so, that try to avoid wrong direction of rotation. You may lower the load with drill when needed by installing the rope the other way around the rope drum.

Push on the operating switch of the drill and lock it. Depending on the load to be lifted choose the operating speed either 1 (slow) or 2 (fast) from the drilling machine.

The drill will start by pressing down the foot pedal switch and stop by loosening the pedal.

The winch will work only when the operator pulls the rope tight around the rope drum and the rope friction will increase. The tractive power of winch will disappear, when the operator loosens the rope, although the rope drum and the drill are rotating.

The operator must always take care of the winch and the hanging load.

3.1. LIFTING A LOAD

Check the operation of the rope arrester and the fastenings of winch and rope pulleys before lifting operation. Pull the rope tight around rotating rope drum and loosen the rope so, that the rope arrester will hold the load and you may check the fastenings.

When lifting a load, the operator must all the time hold the rope tight around the rope drum. When loosening the rope, the tractive power of winch will disappear and the rope arrester will hold the load.

The load must never hang on the winch without a follow-up and always fasten the rope to the bollard of the operating stand or to another place.

LIFTING A PERSON WITH THIS WINCH IS NOT ALLOWED.

3.2. LOWERING A LOAD

When lowering a load, the operator must hold the rope tight around the rope drum and simultaneously loosening the rope arrester by pulling the hand lever of the arrester to the rope drum. The speed of lowering is adjusted by controlling the tightness of rope around the rope drum. When the hand lever of the arrester is loosened, the rope arrester will hold the load and stop the lowering.

When starting the lowering, the operator must first lift a load slightly for loosening the hand lever of the rope arrester.

4. TECHNICAL SPECIFICATIONS

Operating machine: AEG SB2E 1010RS, 1010W, 0-1450/0-3400rpm, 54Nm.

Maximum pulling / hoisting capacity	460 kg
Limited maximum pulling / hoisting capacity with slow gear	380 kg
Maximum pulling / hoisting speed with slow gear	9m/min
Limited maximum pulling / hoisting capacity with fast gear	120 kg
Maximum pulling / hoisting speed with fast gear	20m/min

Weight: 31kg (without 501A operating rack)

5. MAINTENANCE AND SAFETY

Check the winch approximately after every time it has been used. Take care of sufficient cleanness of the winch. Check cleanness / condition of the pulling rope regularly according to the instructions of the rope. The best place to storage the winch is in dry place in its storage box. The best place to storage the rope is in dry place in ventilated storage box. When moving the winch lift from its lifting handle.

Do not use the winch if some of its parts is damaged or makes abnormal noise when operating the winch. Never use damaged rope.

Check the condition of the rope arrester regularly. Especially check that the brake clamp is in good condition and that it has not worn out. Check the operation instructions of the rope arrester Rescucender B50.

Maintenance and operation of the drilling machine according to the user manual of the machine.

Maintenance and spare part service is available from manufacturer or local dealer.

In all cases for maintenance it is advisable to contact manufacturer or local dealer.

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