

PULLING ROBOT LKE 85



Performance

- Max pull force: approx. 85 kg
- Max speed: approx. 29 m/min (1.7 km/h)
- Conductor-Ø: 10 – 45 mm
- Operating distance: approx. 3000 m with 50 kg pulling force (depends on: inclination, pull force, battery condition, temperature)

Control and electric system:

- Radio remote control:
 - Type tested (by German TÜV). Additionally with "Reflektomat" => highest safety, no malfunction because of external interferences
 - Transmitter with 2 push buttons for forward / backward
 - Effective radius: approx. 1000 m
- Electric system:
 - Robust and shock resistant control box
 - With battery charge control and with on/off switch
 - Battery pack with housing, electric socket and fixing device => change of pack within 2 minutes

Drive system

- 2 drive wheels are driven by 24 V electric engine
- The wheels are provided with high quality groove linings with very high abrasion resistance
- It is possible to run over compression connectors due to the special clamping system

Weights

- Aluminum pulling robot: 22.5 kg (without battery)
- Battery pack (2 x 12 V/33 Ah): 25 kg
- Transport box: 67 kg
- Recovering device: 9 kg

Dimensions

- Pulling robot with battery (l x w x h): 690 x 570 x 950 mm
- Transport box (l x w x h): 1200 x 800 x 650 mm

Delivery package

- Robot with radio remote control system including transmitter
- Second battery pack (2 x 12 V/33 Ah)
- Special charger for gel batteries
- Spare battery and charger for radio remote control
- Lockable transport box
- Recovering device for tow off the robot in the case of malfunction

Optional equipment

- Battery pack with higher capacity (2 x 12 V/44 Ah)

Special equipment or models on request

Model 77-2000 Cradle block for 2-rope-system

The cradle block will be installed by the pulling robot on the ground wire of the overhead transmission line.

This operation system is specially designed for replacement of existing ground wires by new Optical Ground Wires (OPGW) – even under life line conditions.

Can also be used instead of building a scaffold when crossing a road or railway line.

Suitable for the 2-rope-system (GroundWire/OPGW + fibre rope as supporting rope).

Frame made of high-strength aluminum; polyamide or aluminum rollers with maintenance free ball bearings; robust and very easy to handle rope clamping unit and opening device to install the rope.

The OPGW is perfectly protected by the rollers.

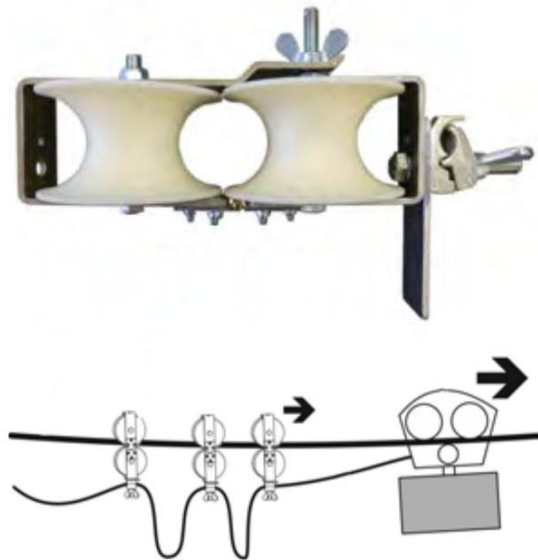
Weight: approx. 2 kg

Working load: 2 kN

Optional:

Model 77-2010 Cradle block for 2-rope-system with aluminum rollers

Weight: approx. 3.25 kg



Model 77-2020 Cradle block for 3-rope-systems (also suitable for 2-rope-system)

The cradle block will be installed by the pulling robot on the ground wire of the overhead transmission line. This operation system is specially designed for replacement of existing ground wires by new Optical Ground Wires (OPGW) – even under life line conditions.

Can also be used instead of building a scaffold when crossing a road or railway line.

Suitable for the 3-rope-system (GroundWire/OPGW + fibre rope as supporting rope + fibre rope as pulling rope) and also suitable for the 2-rope-system.

Frame made of high-strength aluminum; aluminum rollers with maintenance free ball bearings; robust and very easy to handle rope clamping unit and opening devices to install the ropes.

The OPGW is perfectly protected by the polyamid plates and the rollers.

Weight: approx. 2 kg

Working load: 2 kN



suitable for 3-rope-system



suitable for 2-rope-system