



OPERATING INSTRUCTIONS

Electric winch

SW1000



Please read this manual before using the product and follow the instructions it contains!

GENERAL

Foreword	3
Safety instructions	3
Technical data	4
Overview of the main components	4
Operating instructions	5

MAINTENANCE

Regular inspections	5
Troubleshooting	6
Service & Contact	6
Declaration of conformity	7

FOREWORD

Congratulations on the purchase of your new electric winch. The SW1000 has been manufactured from high quality materials, specifically designed for durable and reliable use. For your own safety and to ensure correct operation of the winch, be sure to read and follow these operating instructions before using it.

Keep these operating instructions. Check the SW1000 for transport damage. Damaged winches must not be put into use.

The wire cable hoist is used to lift and transport loads of up to 1000 kg. Improper handling may result in injury or damage to the unit. The liability for damage resulting from improper use of the device or failure to observe the specifications and rules of conduct contained in this operating manual is excluded. The operator / user must ensure the correct use of the SW1000 by trained and authorized personnel.

SAFETY INSTRUCTIONS

- The electric winch may only be operated by trained personnel who have read and understood these operating instructions.
- Observe the attached safety instructions. Do not remove them.
- Check the functionality of the cable winch before starting operation. Perform a visual inspection on all safety-relevant components.
- Check the electric winch for possible transport damage before using it for the first time.
- Wear protective clothing, such as helmet, safety shoes and protective gloves, while using the tool.
- Bystanders must maintain a minimum safety distance of one meter in the area of the winch.
- Observe your surroundings, as well as the load and the winch during use.
- Do not lift persons or animals with the winch.
- Do not overload the winch under any circumstances.
- Do not let loads fall into the rope.
- Avoid swinging out loads, when lifting vertically.
- Lift loads as vertically as possible from the ground.
- Do not leave lifted loads unattended.
- Lower loads in case of prolonged non-use.
- Do not guide the steel rope over edges. This can cause damage to the rope and the unit and poses a risk of injury.
- Carry out maintenance and servicing work on a regular basis. Before such maintenance, switch off the winch and disconnect it from the power circuit.
- Only fully functional winches may be put into operation. If a defect is detected on the cable winch, the cable winch may only be used after the defect has been rectified.
- Have the SW1000 inspected annually by an expert in order to be able to determine the further service life.
- Observe the specifications regarding country-specific regulations and the accident prevention regulations.
- Do not make any modifications or changes to the cable winch without the manufacturer's consent. Such action will void the warranty.

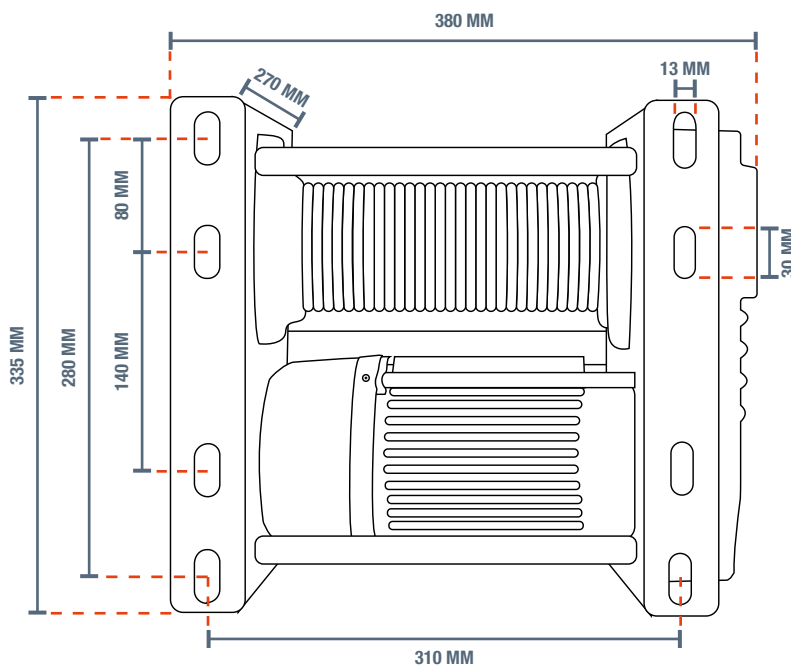
TECHNICAL DATA

GENERAL

Type	Unit	Value
Width	mm	380
Depth	mm	335
Height	mm	270
Dead weight	kg	40
Chain diameter	mm	6
Chain length	m	30
Chain material		Carbon steel
Housing material		Steel
Cable length	mm	450
Cable length to control unit	mm	930

MOTOR

Type	Unit	Value
Max. load	kg	1000
Motor speed	U/min	2800
Motor power	kW	2.2
Feeding speed	m/min	12
Protection class		IP40
Brake		Magnetic particle brake
Power supply	V	220



OVERVIEW OF THE MAIN COMPONENTS

No.	Name
1	Winch motor
2	Carbon steel cable
3	Steel housing with screw holes
4	Emergency stop switch
5	Load hook
6	Control panel



OPERATING INSTRUCTIONS



Keep an eye on the work area at all times to prevent possible hazardous situations.

1. Mount the cable winch on a suitable surface that can also support the load of 1000 kg. For this purpose, use all screw holes (3) and screws that guarantee appropriate load absorption.
2. Carry out a functional test. For this purpose, extend and retract the rope completely.
3. Always place the load in the direction of the pulley. For lifting work, place the load vertically under the rope pulley.
4. Press the down arrow on the control panel (6) to unwind the rope winch.
5. Securely fasten the load hook (5) to the load. The safety clip must snap shut.
6. Move the load slowly by pressing the up arrow on the control (6). Correct the position to avoid swinging out and skewing.
7. When lifting the load, do not lift it completely until it stops swinging.
8. In emergency situations, press the emergency stop switch.



Always leave at least 5 wraps of steel cable on the winch to ensure tensile strength.

REGULAR INSPECTIONS

Inspection	Before start of operation	Every 3 months	Annual
Visual inspection of the load-bearing equipment	x		
Functional test	x		
Cable	x		
Brake function (load test)	x		
Lubricate moving parts		x	
Check cable for wear		x	
Fastening screws		x	
Full wear test (by expert)			x
Check warning notices and type plate for legibility			x

The respective inspection points (plus equipment identification) for the periodic inspections/thorough examinations are to be checked in an integrated manner in the associated inspection report of the lifting equipment, taking into account the mandatory fulfilment of the Lifting Operations and Lifting Equipment Regulations 1998 (LOLER). (Recommendation: FEM4.004)

TROUBLE SHOOTING

Problem	Cause	Solution
The engine does not start	The device is not connected to the power	Check the power supply and plug in the device
	The motor is damaged	Have the motor repaired. Contact customer service
The motor does not run correctly	The phases of the power connection are not connected properly	Have the power supply checked by an electrician
The brake fails after lifting a heavy object	There is oil on the brake	Clean the brake
	The wear of the brake is too high	Have the brake repaired or replaced
	Failure of the pressure spring	The pressure spring must be replaced
The gearbox makes untypical noises	The gear or bearing is defective	Check the gearbox. Have it repaired or replaced if necessary
	Gearbox is not oiled	Oil the gearbox
	The clutch is damaged	Check the clutch and have it repaired if necessary
	Screws are loose	Retighten the screws concerned
The winch housing is electrified	One phase is disconnected from the housing	Have the unit checked by an electrician
	The grounding is not connected or not connected properly	Have an electrician check the grounding
The motor temperature is too high	The unit is overloaded	Do not overload the winch
	There is too much dust on the heat sink	Clean the heat sink
	The distance between the brakes is too small	Adjust the distance between the brakes
The unit will not start after it has stopped halfway through the stroke	The supply voltage is too low	Wait until the supply voltage is sufficient again

SERVICE & CONTACT

Contact our product experts and find help and solutions for your product. Here you will find all contact information listed by country and language: www.topregal.co.uk/en/service

Responsible for the content:
 TOPREGAL GmbH
 Industriestrasse 3
 70794 Filderstadt
 GERMANY
www.topregal.com

EU Declaration of Conformity

The manufacturer / distributor

TOPREGAL GmbH
Industriestrasse 3
70794 Filderstadt
Germany

hereby declares that the following product

Product designation:

SolidHub
Electric winch

Type:

SW1000

complies with all relevant provisions of the applicable legal regulations (hereinafter) - including their amendments in force at the time of the declaration. The sole responsibility for issuing this declaration of conformity lies with the manufacturer. This declaration refers only to the machine in the condition in which it was placed on the market; parts and / or interventions subsequently fitted by the end user are not taken into account.

Conforms to the provisions of the following European directives:

2006/42/EC Machinery Directive

Conforms to the provisions of the following standards:

EN ISO 12100
EN 14492-1+A1/AC
EN ISO 17065

Name and address of the person who is authorized, compile the technical documentation:

TOPREGAL GmbH
Industriestrasse 3
70794 Filderstadt
Germany



Place: Filderstadt
Date: 09.11.2021

Juergen Effner
Chief Executive Officer

SolidHub