



OPERATING INSTRUCTIONS



Rope Winch

Type	4483.0,65 F	4483.0,65 K	4483.0,65 S
	4491.0,65 K	4491.0,65 S	

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1. SAFETY INSTRUCTIONS

Where to use this winch

This winch may only be used in accordance with the following operating instructions.

- To be used only to lift, lower and pull freely moving loads.
- To be used only if in perfect technical condition.
- To be used by trained personnel only.

Safe working practices

Read these operating instructions carefully before using the winch.

Work safely and be aware of dangers at all times.

Inform your supervisor immediately of any damage or faults to the winch. Do not operate the winch again until the damage or fault has been repaired.

Do not

- Exceed the maximum load (see tech. data and type-/capacity number plate).
- Transport people.
- Work under a suspended load.

Winch Application

- Not to be used continuously.
- Not to be used as a lift on construction sites.
- Not to be used for stage or studio.
- Not to be used for the transport of people.

Supervision

- Ensure that these operating instructions are always at hand.
- Do not allow this winch to be operated by untrained staff.
- Check regularly that the winch is operated safely and according to these instructions.

Installation, Maintenance and Repair

Installation, maintenance and repair may only be carried out by trained personnel.

Use only original manufacturer's replacement parts.

No changes or modifications may be carried out on parts relevant to safety. Additional equipment must not infringe on safety.

Additional instructions to be adhered to

- Safety and accident prevention regulations.
- National regulations, safety standards and guidelines.

2. TECHNICAL DATA

O/No. - zinc plated	F =	fixed crank	205347
O/No. - zinc plated	K =	adj. crank / folding handle	205331
O/No. - zinc plated	S =	free running crank	205405
O/No. - stainless steel	K =	adj. crank / folding handle	205350
O/No. - stainless steel	S =	free running crank	205406
Permitted load first rope layer	t		0,65
Permitted load last rope layer	t		0,398
Crank force	N		195
Lift per crank turn	mm	first rope layer / last rope layer	39 / 60
Total rope capacity	m		18
Recommended wire rope DIN 3060 FE zn k 1770 sZ			ø 7
Weight without rope	kg		8,8

haacon policy is one of continuous development. We reserve the right to amend specifications without notice or obligation.

3. GENERAL

High quality rope winches to lift loads of 0,65 tonnes. The winch has an extensive track record and is robust and reliable. It is suitable for compact installations.

4. CONSTRUCTION

The rope winches have a spur gear, a safety crank secured against load induced rebound and maintenance free bearings.

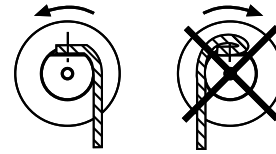
The "S" version is supplied with crank fitted with a free running device for fast reeling in and out without load.

5. INSTALLATION

For safety reasons the winch should be installed with 4 screws, washers and nuts screws size M10 min. 8.8.

6. ROPE INSTALLATION

When the crank is turned clockwise the cable (DIN 3060 Fe zn K 1770 sZ or better) must coil up on the drum **anti-clockwise**. Hard solder the end of the cable prior to clamping to drum.



7. OPERATION

K + S version

Unfold the crank handle. Turn crank clockwise to lift the load. To lower the load, turn crank anti-clockwise.

If the crank is not turned the load is suspended safely. When lifting a load, do not wind rope beyond the point where at least 1,5 x rope diameter is left free on drum flanges above outermost layer.

When loaded, at least two turns of the rope must remain on the drum.

The capacity of the first layer corresponds to the nominal capacity of the winch. This means that the capacity decreases with every further layer (refer to type-/ capacity number plate for capacity of first and last layer).

Features of the **S type** free running crank

- Operation under load:
- Pull crank arm away from winch and rotate until the two coupling pins engage into the coupling disc. Load can now be lifted or lowered.
- Free running operation:
- Disengage coupling pins from disc by pushing crank arm towards the winch. The crank is now free running and operational when there is no load on the winch.



Warning!

The crank in free running position may only be used when there is no load on the winch.

8. MAINTENANCE

The winch should be checked regularly by trained personnel depending on usage and conditions, but at least once a year.

Trained personnel are people who by virtue of training and experience have gained sufficient knowledge in the field of winches, lifting and pulling equipment and who are adequately acquainted with national standards of accident prevention and safety regulations and who are able to judge the condition of winches, lifting and pulling equipment where working safety is concerned. For operation, maintenance and replacement of worn wire ropes refer top regulation DIN 15020, part 2.

Gear wheels and pinions

The gearbox has been filled with high quality long-life grease by the manufacturer and the bearings are equipped with maintenance free plain bearings. This lubrication will last for approximately 5 years with normal use. If the winch is used frequently then the gearbox should be opened every 2 years, worn parts exchanged and new grease applied.

Safety crank

If the crank offers resistance when lowering a load, apply a few drops of oil into the recesses on the crank hub. Grease all moving parts on the crank handle if necessary.

The replacement of worn friction discs (aperture > 30o) and repair of faulty cranks may only be carried out by the manufacturer.



Warning!

The crank may only be removed when there is no load on the winch.

9. SPARE PARTS

The following data should be given with each order:

- Type number and serial number of rack jack / Pos. and Part number.

E.C. Declaration of Conformity to 98/37/EC IIA

haacon hebetchnik gmbh
Josef-Haamann-Straße 6
D-97896 Freudenberg/Main



Name and address: haacon hebetchnik gmbh Telefon: 09375/84-0
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Description:

Designation: Rope winch
Type: 4202, 4471, 4483 F, 4483 S, 4491 K, 4491 S, 4585
Capacities 0,4 - 0,5 - 0,65 - 0,75 t

Relevant E.C. Directives:

98/37/EC EC-machinery directive

Harmonised standards:

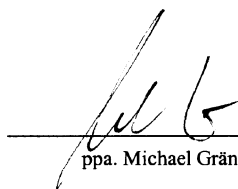
DIN EN ISO 12100-1/-2 safety of machines

National standards and technical specifications:

BGV A1 Unfallverhütungsvorschriften (Allgemeine Vorschriften)
BGV D8 Unfallverhütungsvorschriften (Winden, Hub-Zuggeräte)
DIN 3060 Rundlitzenseil 6x19 Standard
DIN 15020 Blatt 1 Grundsätze für Seiltriebe

Signed:

Freudenberg , 26.06.07


ppa. Michael Grän


i.V. Konrad Lazarus