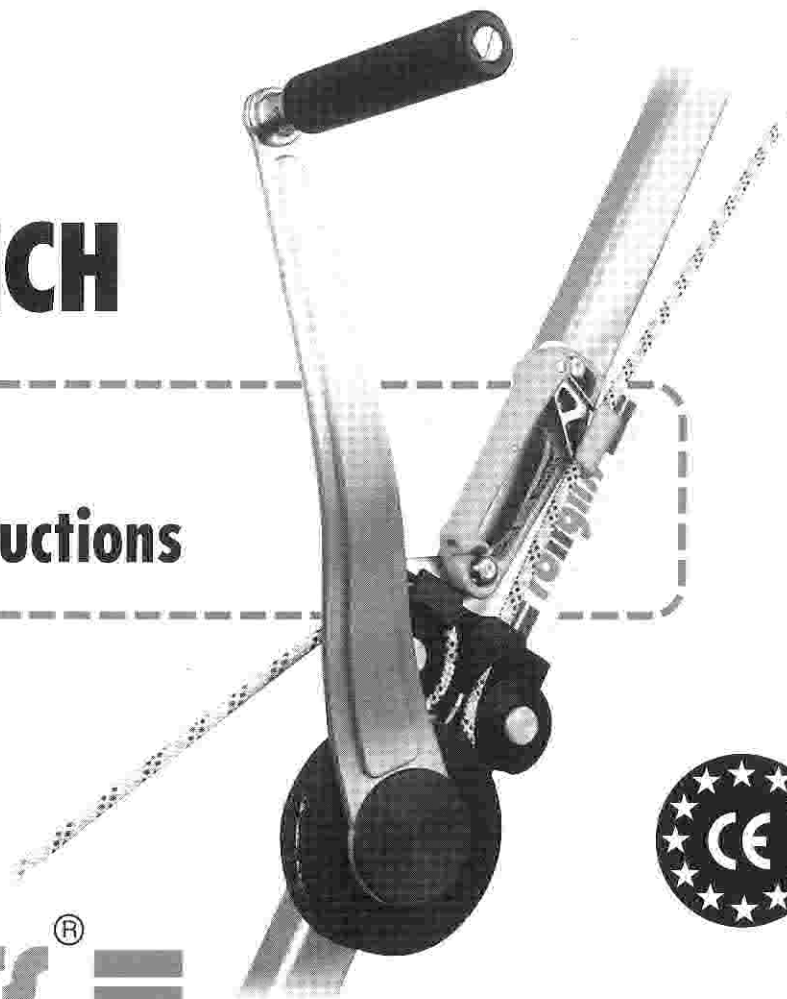


ROLLGLISS HAND WINCH

Operating and
maintenance instructions



THE ORIGINAL
rollgliss[®]
SYSTEMS

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Selzacherstrasse 32
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1. Foreword

1.1 Application

The Rollgliss hand winch is used to assist in lifting operations on the loose rope end of Rollgliss Top/R350 and Rollgliss R300 Safety and Rescue Systems. The Rollgliss hand winch is fitted with a flange so that it can be easily and securely attached to the Rollgliss aluminium and steel tripod support, ladder beams, fixed steel railing and angle iron.

2.1 Important instructions for using the hand winch

The new Rollgliss hand winch has been developed on the basis of decades of experience in the manufacture, maintenance and sale of Safety and Rescue Systems. It has been tested and inspected using the latest technical standards and carries the CE mark, for example, EN 1496, Class B.













The operating and maintenance instructions must be studied and followed, as this will ensure that the hand winch you have purchased gives you years of reliable service.

IMPORTANT!

- ▼ **Each time before using the Rollgliss hand winch it is essential that the operation and maintenance instructions be reviewed and carefully followed.**
- ▼ **Practice and regular training are indispensable, because incorrect use of the equipment can result in personal injury or death.**
- ▼ **During live training exercises additional fall stop protection or safeties must be in place in case of incorrect operation.**
- ▼ **No liability is accepted in the event of improper or inappropriate operation or application.**

2. Safety warnings

2.2 Important operating instructions

-  These operating and maintenance instructions must be strictly followed. If these instructions are not complied with Rollgliss AG and its subsidiaries will accept no liability.
-  The Rollgliss hand winch may only be used in conjunction with the Rollgliss Top/R350 or Rollgliss R300 Systems. Operation of the Rollgliss Top/R350 and R300 Systems is described in the appropriate operating and maintenance instructions booklet.
-  The Rollgliss hand winch may only be flange mounted on the Rollgliss aluminium or steel support tripod.
-  Before each use it is essential that a visual inspection and operations check be completed.
-  In order to maintain the proper safety margin it is forbidden to modify either in whole or in part the original system.
-  If there is any doubt regarding the condition or operation of the system, in whole or in part, it must be immediately repaired or replaced. The required work must be carried out by the manufacturer (Rollgliss AG, Rollgliss GmbH, Rollgliss Inc.) or by authorised Rollgliss dealers.
-  It is important for safety, that a system or component part which has been shock loaded as a result of a fall is withdrawn from use and returned to the manufacturer (Rollgliss AG, Rollgliss GmbH, Rollgliss Inc.) or to a Rollgliss-authorized agent for maintenance and re-inspection.
-  The winch (particularly the rope and webbing) must not be exposed to acids, alkalis or other aggressive substances.
-  Rollgliss AG must be consulted any time that there is doubt about the effect of environmental or industrial factors on the materials.
-  Decontamination of the system is possible in principle but the decontamination method used must be approved by Rollgliss AG or authorised Rollgliss dealers.
-  The equipment or system may only be operated by trained and experienced individuals, who have been appointed or directed by the owner for this purpose.
-  The owner of the system shall be responsible for setting a policy regarding training and for all visual checks and functional load tests, which are to be completed by the user.

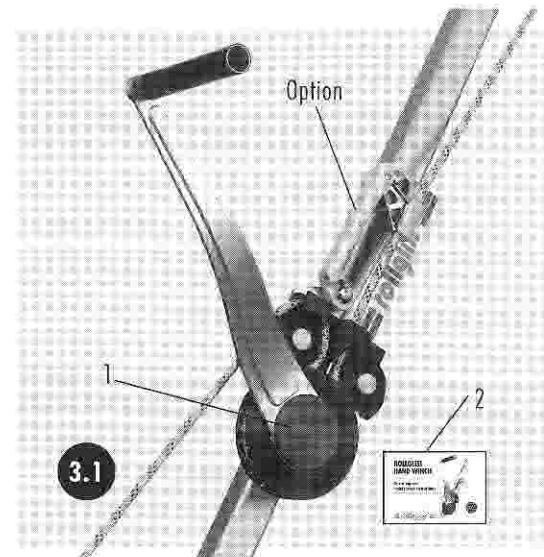
3.1 Equipment

(Rope diameter 9-13 mm [$\frac{3}{8}$ to $\frac{1}{2}$ inch])

Pos.	Item No.	Quantity	Item
1	800 300	1	Rollgliss hand winch
2	905 017	1	Operating and Maintenance Instructions

Optional equipment

Rope control device for Rollgliss Top/R350 ST/ES/AR/EG
800.260



4. Operating the hand winch

4.1 Technical information

Hand winch

Max. personal load:	1 person - 150 kg [330 lbs] 2 persons - 250 kg [660 lbs]
Rope diameter:	9 (-13 mm = option) [$\frac{3}{8}$ (to $\frac{1}{2}$ inch)]
Max. ascent/descent height:	depending on type - Top/R350 or R300
Tare weight:	3.0 kg
Approval:	CE 0158
Tested to:	EN 1496, Class B
Ambient temperature limits:	-40°C to +90°C



WARNING!

In order to reduce the tensile load, the following reducing gears must be fitted to the Top/R350 or R300. (Operating and Maintenance Instructions - Rollgliss Top/R350 or Rollgliss R300):

1 person	max. 150 kg [330 lbs]	min. reduction 3:1
2 persons	max. 250 kg [660 lbs]	reduction (4:1 or 5:1)

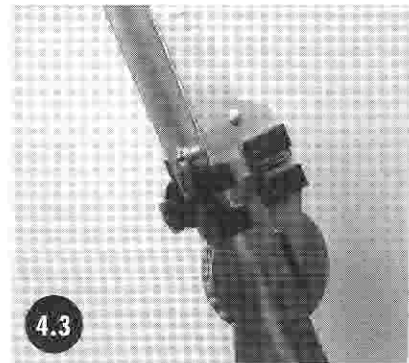
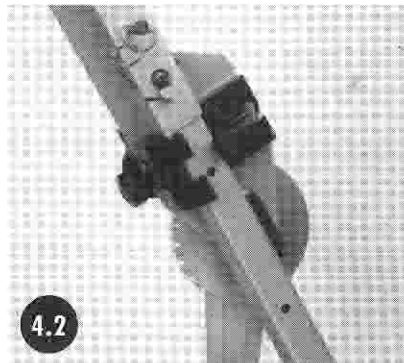
Also refer to the Rollgliss Top/R350 and Rollgliss R300 Operating and Maintenance instructions.

4. Operating the hand winch

4.2 Flange mounting the hand winch on the Rollgliss aluminium or steel support tripod*

- 1.0 Set up aluminium or steel support tripod according to the use and maintenance instructions.
- 2.1 In the case of the aluminium tripod, flange mount hand winch on the extending telescopic leg as per Figs. 4.1/4.2.
- 2.2 In the case of the steel tripod, flange mount on the hinged leg as per Figs. 4.1/4.3.
- 3.0 Check that the winch is secured tightly in position.
- 4.0 Lock crank handle into operating position.

* For weight and handling reasons, since 1996 Rollgliss has included only the aluminium support tripod in its range.

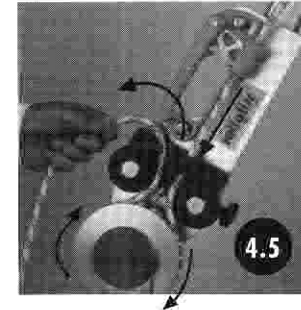
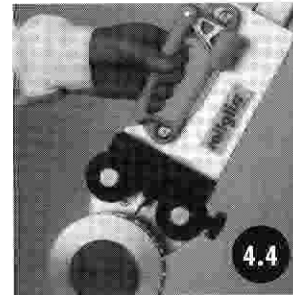


4. Operating the hand winch

4.3 How the hand winch works

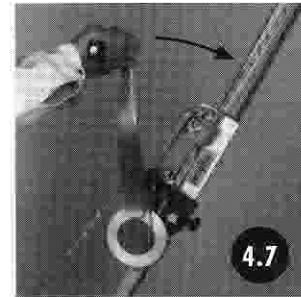
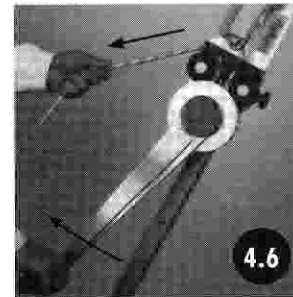
4.3.1 Inserting rope

1. Check reducing gear and maximum personal load on Top/R350 or R300 (see 4.1)
2. Fit rope control device into place over retension pins, Fig. 4.4.
3. Insert rope, Fig. 4.5.
4. Check to see that rope is correctly positioned.



4.3.2 Lifting

1. Pull the loose or running end of the rope through the winch as the hand crank is rotate in a clockwise direction for at least one turn, Fig. 4.6.
2. Once the rope is tight in the friction wheel, the loose rope can be released, Fig. 4.7.
3. Observe Points 1. and 2. every time lifting is interrupted.

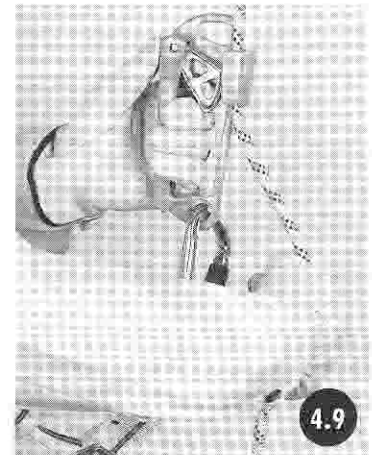
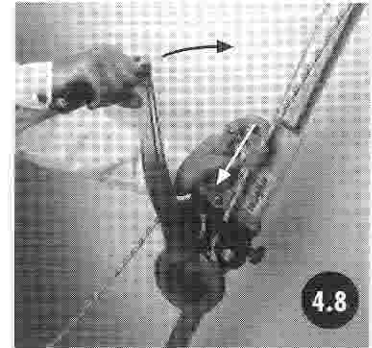


4.3.3 Descending with the hand winch

1. Relieve the rope stop device by tightening the winch (4.3.2) and open the catch lever, Fig. 4.8.
2. Rotate crank counter-clockwise.

4.3.4 Descending without the hand winch

1. Relieve the rope stop device by tightening the winch (4.3.2) and open the catch lever, Fig. 4.8.
2. Slowly rotate the crank counter-clockwise and remove the rope control device.
3. Use the rope control device to secure the rope and pull it out of the winch.
4. Continue descending, as described in the operations and instructions booklet for use of the Rollgliss Top/R350 or R300, Fig. 4.9



4. Operating the hand winch

4.4 Checking the Rollgliss hand winch

4.4.1 Cleaning

Only rub with a soft, damp cloth (do not use solvents, acids or alkalis).

4.4.2 Visual check

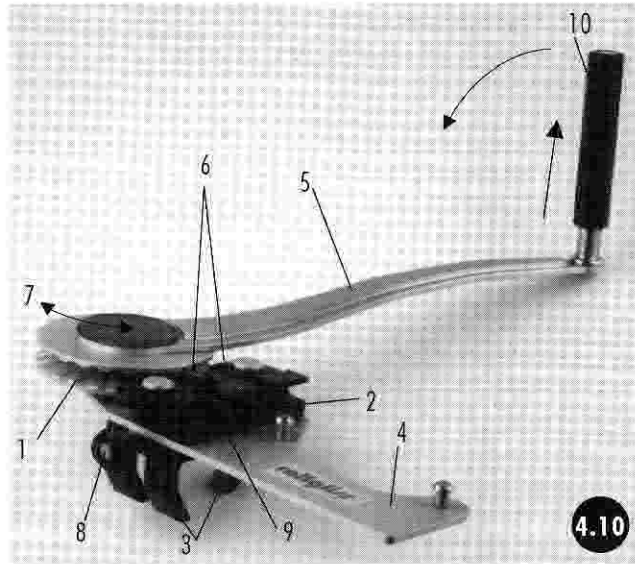
Make sure that

- ▶ the friction wheels are clean and free of oil or grease (1);
- ▶ the friction wheels are not worn (1);
- ▶ the rope guides are not bent or damaged (2);
- ▶ all screws/bolts are tightened;
- ▶ the hand winch is not cracked;
- ▶ the clamp (3), baseplate (4) and crank (5) are not bent.

4.4.3 Operational check

Make sure that

- ▶ the friction wheel can be turned freely and without resistance (1);
- ▶ the guide rollers can be turned freely and without resistance (6);
- ▶ the friction wheel can be moved in a longitudinal direction (7);
- ▶ the clamping bar can be easily moved with the three pronged locking handle (8);
- ▶ the guide tongue springs in and out automatically when gently pressed (9);
- ▶ the crank handle locks into place (10).



4.10

Rollgliss hand winch

- The Rollgliss hand winch requires no maintenance, apart from the visual and operational checks described.
- Under no circumstances should the Rollgliss hand winch be dismantled in part or in whole.
- For safety reasons, a visual inspection and operational check must be carried out of the system, and its parts (to EN 365), at least once annually by qualified individual as specified by the owner of the system.
- At least once every 10 years the Rollgliss hand winch must be returned to the manufacturer (Rollgliss AG, Rollgliss GmbH, Rollgliss Inc.) or to a Rollgliss-authorized dealer for inspection. It is recommended that rope and webbing be replaced in accordance with its use or 5 years from the date of purchase.

6. Storage

6.1. Storage instructions for the Rollgliss hand winch

The following storage instructions must be observed:

- ▶ The hand winch must be stored in a dry (max. 65% rel. humidity), clean place.
- ▶ A dark storage area out of direct sunlight (such as Rollgliss aluminum boxes) will add to the life of your system.
No extreme temperature fluctuations outside the normal ambient temperature (+ 20°C [+68°F]).
- ▶ Absolutely no exposure to oil or grease except in emergency situations.
- ▶ No contact with corrosive or chemical agents, such as acids, alkalis or their vapours except in emergency situations.
- ▶ No exposure to hydrocarbons or engine exhausts.
- ▶ No mechanical stresses, such as stress from weights, for example.
- ▶ Regular inspections is required.
- ▶ Store only in dry areas, secure areas absent of environmental or corrosive chemicals or agents.

7.1. Inspection log book for the Rollgliss hand winch

Purchase	
Unit No.:	_____
Date:	_____
Signature:	_____

Implement	
<input type="checkbox"/> R350	<input type="checkbox"/> R300
Appliance-No:	_____
Build:	_____

Delivery	
Date:	_____
Signature:	_____

GUARANTEE

The guarantee on Rollgliss equipment is for 2 years from the date of delivery to the end user. The guarantee covers only Rollgliss original parts, but not damage caused by improper handling or use. Complaints can only be recognised if the system is dispatched, undismantled, to Rollgliss AG, Rollgliss GmbH, Rollgliss Inc. or to a Rollgliss-authorized agent.

Re-inspection		
Date:	Work carried out	Signature

7. Inspection log book

7.2. Visual and operational check of the Rollgliss hand winch

This log is required to be filled out upon completion of each inspection:

Date:	Inspected by:	Comments:	Environmental and chemical contact:

8. Addresses

Switzerland/International

Rollgliss AG
Selzacherstrasse 32
CH-2545 Selzach

Phone +41-32-641 25 51
Fax +41-32-641 28 68

Germany

Rollgliss GmbH
Neu-Egling 15
D-82418 Murnau

Phone +49-8841-9 90 91
Fax +49-8841-9 96 61

USA

Rollgliss Inc.
45000 Underwood Lane
Unit L
Sterling, VA 220166

Phone +1-703-397 96 00
Fax +1-703-397 96 33

Dealer:

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