

UPLIFT



**USE AND
MAINTENANCE
HANDBOOK**

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Uplift

TELESCOPIC LIFTER WITH MECHANICAL WINCH

UPLIFT is a telescopic lifter made in painted steel, with mechanical lifter composed of 2 extension (+ 1 additional extension of 1 mt. as option). The maximum height is 2.20 mt., and reaches 3.20 mt with the additional element.

Easy to carry thanks to its small sizes and weight.

Equipped with round plates fitted with rubber feet and braking wheels.

Uplift
can be used with any 3D
Laser Scanner brand!



ATTENTION !!!!

READ CAREFULLY THE PRESENT INSTRUCTION
MANUAL BEFORE USING THE EQUIPMENT

IT IS STRICLY FORBIDDEN THE USE OF THIS
EQUIPMENT TO PEOPLE AGED LESS THAN 18

DETAILS AND ACCESSORIES



1	5/8" CONNECTION
2	COLUMN
3	MECHANICAL WINCH
4	SPHERICAL BUBBLE
5	ADJUSTABLE LEGS
6	ROUND PLATES FITTED WITH RUBBER FEET
7	BREAKING WHEELS
8	1 METER ADDITIONAL EXTENSION

ACCESSORIES

A	TOPOGRAPHIC TRIBACH	@
B	5/8" FEMALE AND 3/8" MALE ADAPTOR	@
C	BREAKING WHEELS and ROUND PLATES FITTED WITH RUBBER FEET	#
D	TRICUSPID WITH LOCKED LEVELING SCREWS	@
E	ROUND PLATE	#
F	1 METER OPTIONAL EXTENSION	@
G	SOFT BAG FOR THE TRANSPORT	#

- @ Item to be ordered separately
- # Item included in the order



G

F

INSTRUCTIONS FOR INSTALLATION AND USE

1° PHASE

Place the lifter on a solid and perfectly plane surface and proceed as follows:



1

Decide whether to use the Round Plates or the Breaking Wheels



2

To instal the Breaking Wheels screw the knob.
To instal the Round Plates pull out the locking screw and insert the plate.



3

Loosen the screw (A)



4

Bring down the gimbal until the connecting rods reach an horizontal position



5

Use the adjustable feet to level the lifter, check that the lifter is in a vertical position with the spherical bubble, turn and tighten the thumb-screw (A)



6

Screw the Round plate on the top of the lifter (is used to have a greater base of support for the device or tribach, can also be used with the extension)



7

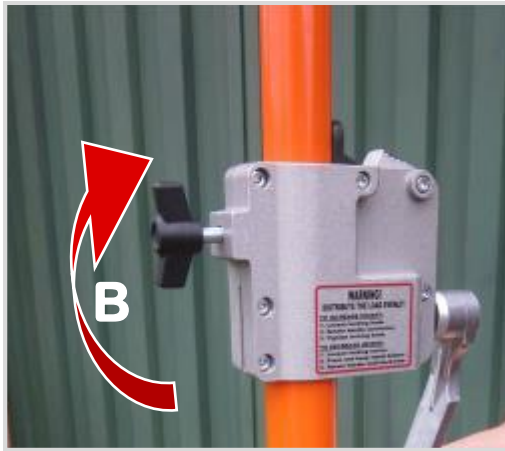
Place the device

It is strictly forbidden to exceed the maximum payload permitted, specified in the Technical Details



2° PHASE:

To lift the UPLIFT proceed as follows:



Loosen the thumb-screw (B)

7



8

Start lifting the load, by manually activating the winch handle clockwise, until the wanted height is reached. Lock the thumb-screw (B)

3° PHASE:

To descent the UPLIFT proceed as follows:



Press down the safety catch (C) on the winch without releasing it

9



10

Turn the winch handle counter clockwise. Once reached the *resting position* tighten the thumb-screw (B)

If the load on the top was not descending, make sure you have loosen the thumb-screw (B) and pressed the safety catch.

Do not turn the winch handle if the load does not descent.

Please, make sure you have done the descent procedure correctly.

4° PHASE:

To close the UPLIFT proceed as follows:



12

Loosen the screw (A)



13

Close the connecting rods and turn and tighten the thumb- screw (A) to close the UPLIFT

UPLIFT WITH THE EXTENSION

Extension installation:



Screw the extension on the top of the UPLIFT and tighten the locking screw to secure the two parts



REQUIREMENTS

SAFETY MEASURES

- 1) The lifter must be placed in a solid and plane surface. In case it is used on a rough terrain , please use the support legs.
- 2) It is compulsory to secure the equipment with the provided straps that must be hooked to cement blocks or eventually to unmovable structures, if it is used in open spaces so that it is possible to protect it against the wind. Eventually, you can use some stabilizing masses to be positioned on the connecting rods of the tripod.
- 3) Do not put a ladder against the lifter.
- 4) Do not stand under the lifter when the load is up.
- 5) Do not move the elevator when it is lifted.
- 6) The lifter is not homologated for raising human beings.
- 7) Always, remember to lock the extension with the provided thumb-screw and with the safety catch .
- 8) In case the lifter is used in presence of other people, surround it with barriers.

LIMITS OF USE

The two most important limits to be always checked are THE MAXIMUM PERMITTABLE PAYLOAD as well as the WIND STRENGTH

- * MAXIMUM PAYLOAD (see the technical data) refers to the mass that can be installed on the top of the mast to ensure a safe use. All loading conditions that exceed the limit will be considered as dangerous and will result in an immediate end of any form of warranty.
- * Similarly, it must be considered the STRENGTH OF THE WIND. If there is a strong wind, the manufacturer is not responsible of damages that may be caused by the inappropriate use of the equipment such as tipping etc.

RISKS RELATED TO THE USE

The **three** main **sources of risk** are :

1. RISK OF FALLING of the equipment extended in height, resulting from the action of wind that has not been evaluated adequately.
2. CONTACT WITH ELECTRICAL CABLES, avoiding the risks is possible if the product is used properly by paying attention to the possible sources of danger present in the area. Please, remember that the electrical cables for high voltage, may define the electric discharge to the ground simply approaching and not necessarily touching the conductor.

It is therefore recommended to limit, as far as possible, the influence of the above risks, both for the operational staff and for strangers, in the following way:

- * *prohibit the transit and parking space surrounding the Uplift*
- * *maintain the efficiency of the equipment*

The use of the column installed differently from the original configuration and aimed to processing other things than those provided by the manufacturer.

The use in the presence of functional anomalies and discrepancies in the terms of use and safety instructions described in this manual. If something happens, request and wait for assistance from the personnel.

- The instructions, drawings and documentation contained in this document are of confidential technical nature, of property of the manufacturer and may not be reproduced in any manner, either wholly, or in part.
- The manufacturer reserves the right to make changes and improvements at any time, without any modification to this manual, and without prior notice.
- This document must be kept for future reference, until the scrapping of the machine and must be made available to the operators.
- If the unit is sold or leased, both the person who rents and the one who offer the service, is obliged to give the manual to the new owner or user.
- The original instructions are provided by the manufacturer in the Italian language.
- This document assumes that in the places where the equipment is sold, users respect the safety standards in force in the country.
- If the manual is lost or damaged, you can request a copy to the dealer, providing the data of the model, serial number and year of construction.
- Do not use the manual for any purpose other than the use and maintenance of the product

CLEANING AND MAINTAINIANCE INSTRUCTIONS

- To ensure the lifter its fluidity and to protect it from the elements, it is recommended to periodically grease the equipment, with specific Teflon products.
- It is recommended to dry it if it is used under the rain.
- Clean with mild soap and water, do not use chemical cleaners.

INSTRUCTIONS FOR DEMOLITION

The demolition of the machine must be done by qualified personnel in such activities and provided with adequate expertise.

The disassembled components must be separated according to the nature of the materials they are made in compliance with the applicable laws of "different waste".



SUMMARY TECHNICAL DATA

- | | |
|--|--------------|
| • Height when closed | 120 cm |
| • Maximum Height | 220 cm |
| • Maximum Height with the additional element | 320 cm |
| • Basic diameter | 125 cm |
| • Tubular Diameter | 35 mm |
| • Maximum Payload | 55 kg |
| • Weight | 9,5 kg |
| • Dimension when closed | 20x20x120 cm |

WARRANTY

- The product warranty is of 12 months from the date of the delivery (Invoice Date).
- SCAN & GO S.r.l. will support, at its discretion, the repairmen and / or replacement of parts with manufacturing defects or damages during the warranty period, after having evaluated the failure.
- The shipping cost of the damaged/defective parts during the warranty period, and the labour for its removal and replacement, are not included in the warranty, and may be approved only after prior written request and consequent authorization.
- The warranty does not cover cases of normal wear and tear, negligence in use, improper maintenance and improper use.
- The warranty is void if the machine is equipped with accessories or non-original parts.
- In no event SCAN & GO S.r.l. will cover the expenses, for loss or damage of any kind resulting from the use more or less correct or from the partial or total malfunctioning of the equipment.
- The goods travel at the risk of the recipient, any damage incurred during the shipment must be claimed at the delivery by the courier in charge.

The manufacturer is deemed non-responsible in the case of:

- 1) inappropriate use of the UPLIFT
- 2) use of the equipment, against to any other applicable national regulations;
- 3) serious lack of attention in the maintenance;
- 4) interventions or unauthorized modifications;
- 5) use of non-original parts or replacing parts;
- 6) failure to comply, in whole or in part, of the instructions;
- 7) exceptional events.



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