



# LIFT-STIK

## PLS67-285



Model: \_\_\_\_\_  
Serial Number: \_\_\_\_\_  
Date placed in service: \_\_\_\_\_

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**Owner Manual**

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This manual was current at the time of printing. To obtain the latest, most updated version, please contact the Customer Service Department or go to our website: [www.PrestoLifts.com](http://www.PrestoLifts.com).  
You will find a complete list of current Owner Manuals to print.

<b>⚠ WARNING</b>
Cancer and Reproductive Harm - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

This label (part # 10095524) is required by California Law. For more information visit:  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

# 1 INTRODUCTION

This manual attempts to provide all of the information necessary for the safe and proper installation, operation and maintenance of the Presto Lifts Lift Stik. It is important that all personnel involved with the installation, maintenance or operator of the stacker read this manual. Additional manuals are available upon request or at [www.prestolifts.com](http://www.prestolifts.com).

Each of the Presto Lifts stackers is equipped with nameplate, serial number and model identifications. Please refer to these numbers when ordering parts or requesting further information.

The Presto Lifts stackers are designed for lifting, lowering and positioning a wide variety of loads. Where unique situations arise which are not covered in this manual, call Presto Lifts for further instructions.

The battery-operated stackers are designed for in-plant/non-hazardous locations only. These units are not for personnel lifting. All equipment is manually propelled and powered vertical travel.

## 1.1 Responsibilities of Owner and Users

**Basic Principles** - Owners/users shall apply sound principles of safety, training, inspection, maintenance to the expected operating environment. It shall be the responsibility of the owner/user to advise the manufacturer where deflection may be critical to the application.

**Manuals** - Owners/users shall keep and maintain a copy of the operating and maintenance manual(s) and ensure its availability to operating and maintenance personnel.

**Inspection and Maintenance** - It shall be the responsibility of the users to inspect and maintain the machine as required to ensure proper operation. The frequency of inspection and maintenance shall be based upon the manufacturer's recommendations and be compatible with operating conditions and the severity of the operating environment. Machinery that is not in proper operating condition shall be immediately removed from service until repaired. Maintenance and repairs shall be made by a qualified person and the repairs shall be in conformance with the manufacturer's recommendations.

**Maintenance Safety Precautions** - Before adjustments and repairs are started on the machine, the following precautions shall be taken as applicable:

1. Remove the load from the platform.
2. Lower platform to the full down position.
3. All controls in the "off" position and all operating features secured from inadvertent motion by brakes, blocks, or other means.
4. Disconnect power and follow established owner/user lockout/tag out policies.
5. Follow precautions and directions as specified by the manufacturer.

**Replacement Parts** - When parts or components are replaced, they shall be replaced with parts or components approved by the original manufacturer.

**Maintenance Training** - The user shall ensure only qualified personnel inspect and maintain the machine in accordance with the manufacturer's recommendations.

**Operator Training** - An owner/user, who directs or authorizes an individual to operate the machine shall ensure that the individual has been:

1. Trained in accordance with the manufacturer's operating manual.
2. Made aware of the responsibilities of operators as outlined in section 1.2 of this manual.
3. Retrained, if necessary, based on the owners/user's observation and evaluation of the operator.

**Modifications** and additions shall not be performed without the manufacturer's prior written approval. Where such authorization is granted, capacity, operation, and maintenance instruction plates, tags, or decals shall be changed accordingly.

## 1.2 Responsibilities of Operators

**Basic Principles** - Operators shall apply sound principles of safety and good judgment in the application, and operation of the machine with consideration given to its intended use and expected operating environment. Since the operator is in direct control of the machine, conformance with good safety practices is the responsibility of the operator. The operator shall make decisions on the use and operation with due consideration for the fact that his or her own safety as well as the safety of other personnel on or near the machine is dependent on those decisions.

**General Training** - Only personnel who have received general instructions regarding the inspection, application, and operation of machine, including recognition and avoidance of hazards associated with their operation, shall operate the machine. Such topics covered shall include, but not necessarily be limited to, the following issues and requirements:

1. A pre-start inspection
2. Responsibilities associated with problems or malfunctions affecting the operation of the machine
3. Factors affecting stability
4. The purpose of placards and decals
5. Workplace inspection
6. Safety rules and regulations
7. Authorization to operate
8. Operator warnings and instructions
9. Actual operation of the machine. Under the direction of a qualified person, the trainee shall operate the machine for a sufficient period of time to demonstrate proficiency in actual operation of the machine.

**Pre-start Inspection** - Before use each day or at the beginning of each shift, the machine shall be given a visual inspection and functional test including but not limited to the following:

1. Operating and emergency controls
2. Safety devices
3. Electrical cables and wiring harness
4. Loose or missing parts
5. Nameplates, precautionary and instructional markings and/or labeling
6. Guarding system
7. Items specified by the manufacturer

**Problem or Malfunctions** - Any problems or malfunctions that affect the safety of operations shall be repaired prior to the use of the machine.

**Before Operations** - The operator shall:

1. Read and understand the manufacturer's operating instruction(s) and user's safety rules or have them explained.
2. Understand all labels, warnings, and instructions displayed on the machine or have them explained.

**Workplace Inspections** - Before the machine is used and during use, the operator shall check the area in which the machine is to be used for possible hazards such as, but not limited to:

1. Bumps, floor obstructions, and uneven surfaces
2. Overhead obstructions and electrical hazards
3. Presence of unauthorized persons
4. Other possible unsafe conditions as noted in the operating manual.

**Operator Warnings and Instructions** - The operator shall ensure the operation of the machine is in compliance with the following:

1. **Guarding system** - Guarding shall be installed and positioned, and access gates or openings shall be secured per the manufacturer's instructions (If applicable).
2. **Distribution of load** - The load and its distribution on the platform shall be in accordance with the manufacturer's rated capacity for that specific configuration.
3. **Maintaining overhead clearance** - The operator shall ensure that adequate clearance is maintained from overhead obstructions and energized electrical conductors and parts.
4. **Point of Operation** - The operator shall not place any part of their body under the platform.
5. **Precaution for moving equipment** - When other moving equipment or vehicles are present, special precautions shall be taken to comply with the safety standards established for the workplace.
6. **Reporting problems or malfunctions** - The operator shall immediately report to a supervisor any problem(s) or malfunction(s) that become evident during operation. The operator shall ensure all problems and malfunctions that affect the safety of operations are repaired prior to continued use.
7. **Capacity limitation** - Rated capacity and load center shall not be exceeded when loads are transferred to the platform.

8. **Work area** - The operator shall ensure the area surrounding the machine is clear of personnel and equipment before lowering the platform.
9. **Securing the machine** - The operator shall comply with the means and procedures provided to protect against use by an unauthorized person(s).
10. **Altering safety devices** - Safety devices shall not be altered or disabled.
11. **Modifications** or alterations of the machine or the fabrication and attaching of frameworks or the mounting of attachments to the machine or the guarding system shall only be accomplished with prior written permission of the manufacturer.
12. **Assistance to the operator** - If an operator encounters any suspected malfunction or any hazard or potentially unsafe condition relating to capacity, intended use, or safe operation, the operator shall cease operation of the machine and request further instruction from the owner/user.
13. **Problems or malfunctions** - Any problem(s) or malfunction(s) that affect the safety of operations shall be repaired prior to the use of the machine.

## 1.3 General Description

- A Presto Lifts/ECO A lifter, is a battery-operated lifting device moved around manually, used to handle a wide variety of items, to reduce heavy and unnatural lifting from personnel, the intention is to improve work life in regards of personal health and safety.
- It is of most importance, that the lifter as a whole, is configured correctly, to handle the required load, with respect to the load type, the load center of gravity and the lifting height, to achieve a safe balance and operation.
- The lifter is in general consisting of 3 main components:
  - 1. Mast:**
    - The mast is a lifting column, optional in different heights, which is mounted on a set of "legs" and used to lift a "Tool", suitable for the customers' requirements.
    - The lifting function is gained from an electric motor, through a cambelt, which is moving a sledge inside the mast profile.
    - The connection between the motor and the cambelt, is through a "one way bearing", which is a built-in safety feature; hence the sledge is lowered only by gravity and not forced downwards by the motor.
    - The tool is mounted on the sledge with bolts.
  - 2. Legs:**
    - The legs are used to hold the mast in a vertical position and mounted with wheels, so that the lifter can be manually moved around on a flat, level floor.
    - The legs come in a variety of configurations, in different lengths, widths, and wheel configurations.
    - It is vital that the legs are configured correctly, with the main purpose of keeping the lifter stable and safe on the floor, in the specific configuration of tool type, weight, and center of gravity of the load and lifting height.
    - The mast is mounted on the legs with bolts.
  - 3. Tool:**
    - Presto Lifts/ECO A has a variety of tools to handle different items and loads.

## 1.4 Construction and Materials

All materials are suitable for use in production, retail, service and distribution.

Part	Material
Mast	Aluminium (AlMg3).
Handle	Powder-coated steel (1.0037 / S235)
Sledge	Electro-galvanized steel (1.0037 / S235)
Cover for control box	Powder-coated steel (1.0037 / S235)
Remote	Polyamide 6
Wheel frame	Powder-coated steel (1.0037 / S235)
Front wheels	Polyurethane
Back wheels	Polyamide and Polyurethane



## 1.5 Specifications

	<b>PLS67-285</b>
<b>Weight (lb/kg)</b>	100/45
<b>Height (in/mm)</b>	75/1920
<b>Lifting Height (in/mm)</b>	64/1642
<b>Max Load (lb/kg) and Load Center of Gravity</b>	285 lb/130 kg - 15.7 in/400 mm from mast for typical platform (If other than typical platform, consult Presto Service if not labeled)
<b>Lifting Speed (Normal Speed)</b>	4 - 5 in/s or 100 - 125 mm/s
<b>Reduced Lifting Speed</b>	1 - 4 in/s or 20 - 100 mm/s
<b>Protection Class</b>	IP41
<b>Batteries</b>	24v DC, 9.0 Ah
<b>Charger</b>	100 - 240 V, 50/60 Hz - 2 Amps
<b>Charging Time</b>	4 hours (80%), 5 hours (100%)
<b>Sound Pressure Level</b>	< 70 DB(A)
<b>Vibration Strength</b>	< 2.5 MS/s <sup>2</sup>

## 1.6 Loading

The max weight for a specific lifter depends on the specific tool, attachment, and configuration. The max load is indicated on each individual lifter and the max weight for the tool, attachment, is indicated on the tool, attachment. Consult Presto Service if not labeled. For the standard machine with a simple tool, the load center of gravity of the max load of 285 lb/130 kg to be no further than 15.7 in/400 mm from the mast.

## 1.7 Exception of Liability

- Presto Lifts/ECOAs cannot be held responsible for any modifications on the lift or attached equipment, not authorized by Presto Lifts/ECOAs.
- Do only use original spare parts, otherwise Presto Lifts/ECOAs cannot be held liable for the function and safety of the lift.
- The lifter must only be serviced by a qualified technician, otherwise Presto Lifts/ECOAs cannot be held liable for the function and safety of the lift.

## 2 SAFETY

All personnel installing, operating, and maintaining this machine shall read and understand this manual. For questions or concerns contact the manufacturer.

### 2.1 Safety Alert Symbols



A symbol that indicates a hazard. It is composed of an equilateral triangle surrounding an exclamation mark. The safety alert symbol is only used on hazard alerting signs. It is not used on safety notice and safety instructions signs.

**A** – For use with **DANGER** signal word; (safety white triangle, safety red exclamation mark, safety red background)

**B** – For use with **WARNING** signal word; (safety black triangle, safety orange exclamation mark)

**C** – For use with **CAUTION** signal word; (safety black triangle, safety yellow exclamation mark)

**D** – For use with **DANGER, WARNING, or CAUTION** signal words; (**D** is a safety yellow triangle with a safety black border and safety black exclamation mark);

### 2.2 Signal Words



**DANGER** Indicates a hazardous situation that, if not avoided, will result in death or serious injury.



**WARNING** Indicates a hazardous situation that, if not avoided, could result in death or serious injury.



**CAUTION** Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.



**NOTICE** Indicates information considered important, but not hazard-related (e.g., messages relating to property damage).

This machine shall be installed, operated, and maintained by trained and/or qualified personnel only. In order to provide for the safe operation of these stackers, Presto Lifts has identified certain hazards that may occur during the installation, maintenance and use of these lifts. For safety reasons these units are designed to be serviced or repaired in the fully lowered position. If performed properly, this will greatly reduce the possibility of injury.

## 2.3 Typographic Convention

The following cautionary symbols may be used in the manual and / or on the lift.



**Warning!**

This pictogram draws attention to the risk of personal injury.



**Warning!**

This pictogram draws attention to the risk of personal injury.

- There is a risk of getting your fingers crushed.



**Warning!**

This pictogram draws attention to the risk of personal injury.

- The lifter must not be used for lifting persons.



**Warning!**

This pictogram draws attention to the risk of personal injury.

- There should be no body parts below or near the lifting tool when operated up or down.



**Warning!**

This pictogram draws attention to the risk of personal injury.

- There should be no body parts on top of the front legs steel profile, when the lift is elevated or operated.



This pictogram is posted on the lifter, if the lifter is antistatic. (Option)

## 2.4 General Safety Precautions During Use

The following guidelines must be observed and followed when using a lift, to prevent personal injury:



- Under no circumstances should the lift elevate more than specified on the label.
- It is of most importance, due to personal safety, that the specified weight, load position, and height are respected and that the lift is not overloaded.



- The lift must not be used for lifting persons.



- No body parts near the sledge or tool at the mast or other lifting equipment when operated up/down.



- Ensure that there is no person below the load, tool and lift when operated.



- There should be no body parts on top of the front legs steel profile, when the lift is elevated or operated.



- Only one person must operate the lift at a time.
- The user must read and understand these instructions or must have them explained to them before using the lifter.
- Only use the lift when operated on a hard level surface during lifting or transporting loads.
- When transporting cargo, the load should be lowered to the lowest possible position and secured in order to ensure that the cargo cannot slide.
- Always secure the cargo on the lift when moving.
- Note when not in use or storing, always ensure that the sledge is lowered to the lowest possible position and is free of any items or cargo.
- Operate and store in a clean, dry location with temperature from +5 °C to +40 °C.
- Make sure that the tool is firmly attached to the sledge and no slack occurs in the bolt connection.
- The lifter is to be inspected at least once a year or according to laws, regulations, directives, working conditions and experience. The inspection shall be performed by the manufacturer or a skilled technician. Please check your local requirements.
- Do not lift or handle open containers containing corrosive fluids, harmful to people if spilled.
- Industrial or commercial use only.
- Indoor use only.
- Do not use the lifter in explosive or flammable hazard environment.
- Do not use or store in a corrosive environment.
- The load's center of gravity to be no further than 15.7in/400 mm from the mast.
- The lifter should only be cleaned by wiping with a damp cloth, otherwise water may enter into contacts and control panel.
- The cam belt should be replaced every 8 years.

## 2.5 Residual Risks

There are residual risks for extraordinary wear, material or product failure due to great impact from collision, misuse, obstacle interference, blockade of driveways, etc.; e.g. a faulty wheel bearing, as a result of a heavy collision.



### Residual risk for personnel working with or around the lifter

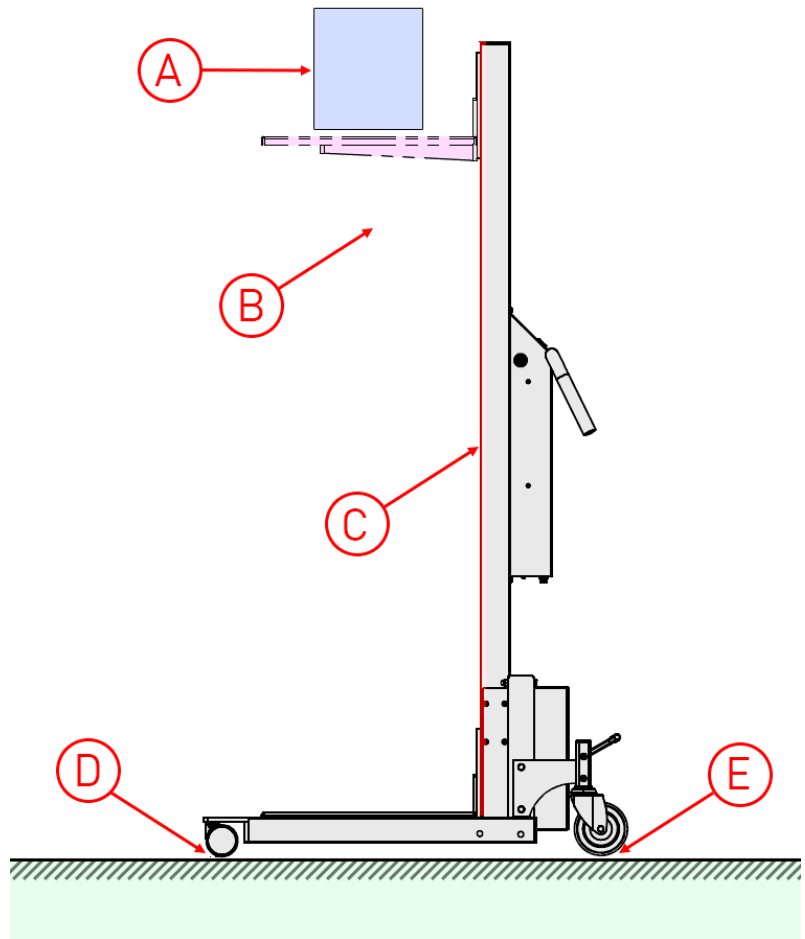
**A:** Do not use the lifter or tool with unstable, unbalanced load.

**B:** No persons or body parts must be put under the tool.

**C:** Do not put objects or limbs (feet, hands, fingers etc.) into any opening of the lifter.

**D:** Do not put limbs (feet, hands, fingers etc.) in the front wheel.

**E:** Do not put limbs (feet, hands, fingers etc.) in the back wheel.



### 3 LABELS

If any of the labels below become illegible, contact Presto Lifts Parts Department to order replacement ones.

Item 1	Located on bottom of control box	Item 2	Located on top of control box
Multi-Visual Indicator		Battery Level   Weight Capacity   On/Off Visual	
			
Item 3	Located on top of mast	Item 4	Located on mast
Warning Indicator		Manufacturer	
			
Item 5	Located on mast	Item 6	Intentionally left blank
Serial Number			
			

## 4 INSTALLATION

Setup of this machine shall be performed by trained and/ or qualified personnel only. The owner/ installer is responsible obtaining any necessary permission and/ or permits. The owner/ installer is responsible for compliance with all applicable codes and ordinances. Read and understand all safety and installation information in this manual.

Unless otherwise stated this machine shall only be used indoors in light industrial, laboratory, and office applications. It should not be exposed to the elements. It shall be setup and operated on a solid, smooth and level surface capable of supporting the machine and its maximum rated capacity.

Before setup, remove all shipping materials and verify all components on the packing list were received. Inspect the machine, all components, wiring, electrical connections, hydraulic hoses and fittings for damage. Presto Lifts tests and inspects every piece of equipment prior to shipment. If damage is apparent, a freight claim must be filed with the freight company. If components are missing, contact the freight company and/or the manufacturer before continuing installation.

With the lift in a lowered position, check for signs of damage especially to the back cabinet that houses the battery and power pack, check base frame for dimensions and structural integrity, inspect for any bent or damaged metal parts, check to see if the wheel locking system is in working condition, ensure battery cables are connected to the battery and ensure the battery is fully charged before using.

### **DANGER**

**High Voltage: Electrical service and installation must be performed by trained and/ or qualified personnel. Lock-out/ tag-out the power source before installation. The charger is equipped with an AC electric cord having an equipment-grounding conductor and ground plug. Never alter this cord/plug. It must be inserted into a properly installed/specified outlet in accordance with all local codes and ordinances.**

**DC motors and AC chargers can create sparks. Do not set up this machine in an area where flammable gases may be present.**

**All electrical components must be protected from wet and/or dirty environments unless specifically configured for such environments.**

**Pinch points and Crush Hazards exist when moving and transporting the machine. Do not enter under any equipment while moving or transporting. Keep hands, feet, and loose clothing away from moving equipment.**

**Never enter beneath the platform unless the machine is unloaded and secured against lowering.**

**This machine does not have safety toe guard protection.**

## 5 OPERATION

This machine is to be operated by trained and/or qualified personnel only.

Before operating this machine, read and understand this manual. Inspect the machine for excessive wear and/ or damage. If excessive wear or damage is found, remove the machine from service and contact maintenance personnel. Do not operate this machine until all necessary repairs are completed. Inspect all precautionary labeling. If any label is missing or illegible contact the manufacturer for replacement labels. Ensure area is free of debris.

### **DANGER**

**Pinch points and Crush Hazards exist when moving and transporting the machine. Do not enter under any equipment while moving or transporting. Keep hands, feet, and loose clothing away from moving equipment.**

**Never enter beneath the platform unless the machine is unloaded and secured against lowering.**

**No personnel are permitted on the platform. Do not sit, stand, or ride.**

**Loads that may shift during operating must be secured before operating.**

**Keep hands, feet, and loose clothing away from moving parts.**

**Do not enter beneath any platform until the load has been removed and the platform has been secured.**

**Do not load or unload the machine while moving.**

**Engage central brake before lifting, lowering, or using as a workstation.**

**The load's center of mass must be centered on the platform and the load's center of gravity must be maintained within the area shown in the loading section. Uneven or off-center loading may cause excessive wear or permanent damage.**

**When transporting a load, it shall be lowered to the lowest possible position and secured to ensure the load cannot slide.**



## Power ON / OFF switch

Turn ON the lifter to use. Turn OFF when not in use.

**Note: It is recommended that when the lift is not in use it be placed on the charger.**



## Rocker switch

To operate the lifter, use the rocker switch located on the lifter's control panel on the mast:

This is used to operate the lifting and lowering function.

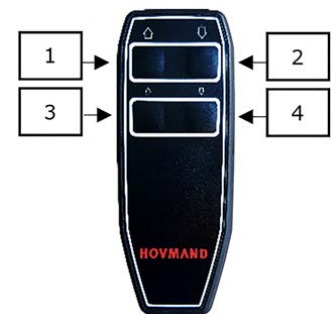
↑ The lifter will lift while the button is pressed (normal speed)

↓ The lifter will lower while the button is pressed (normal speed)



## Remote control - 4 buttons (OPTIONAL)

The remote control has 4 buttons with arrows, which operate as follows:



## The remote control symbols

Button no. / Function	Description	Symbol	Comments
1 Lifting	The lifter will lift while the button is pressed	↑	Normal speed
2 Lowering	The lifter will lower while the button is pressed	↓	Normal speed
3 Lifting	The lifter will lift while the button is pressed	↑	Reduced speed
4 Lowering	The lifter will lower while the button is pressed	↓	Reduced speed

## 5.1 Safety Areas and Distance

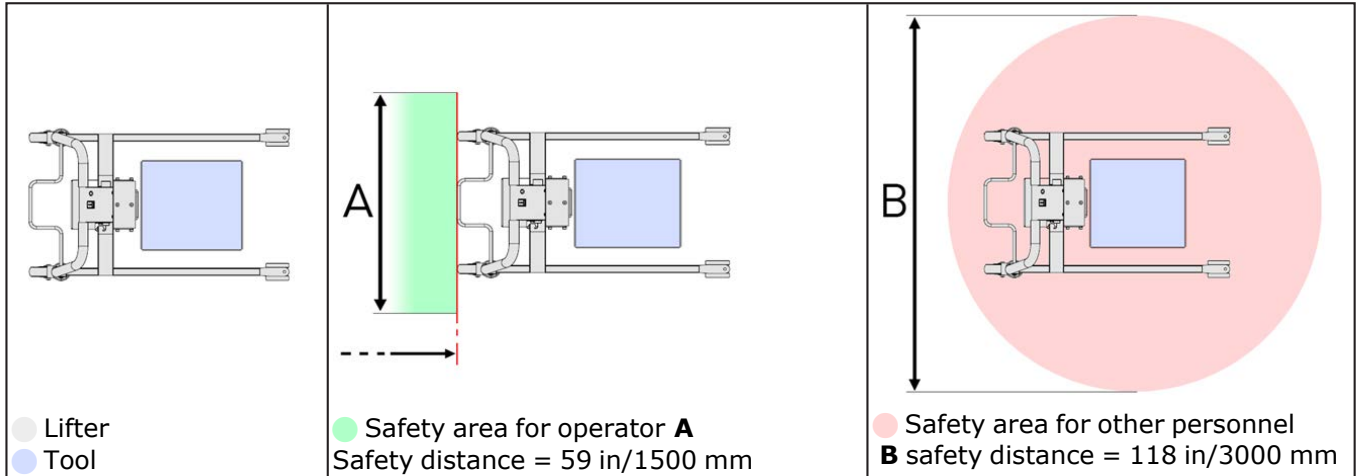


### Safety when operating the tool

The operator must ensure that the tool is clear of obstacles before lifting, lowering or rotating. The operator must warn other personnel before lifting, lowering or using the tool.

When lifting or lowering the tool, the operator must:

- stand behind the wheels of the lifter as illustrated below (● A).
- ensure that all other personnel are out of the danger zone as illustrated below (● B).



## 5.2 Central Brake

The lifter is equipped with central brake on the rear wheels. The brake has 3 different positions, neutral, brake and swivel lock.

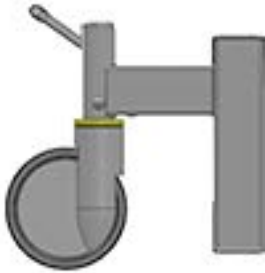


Central brake

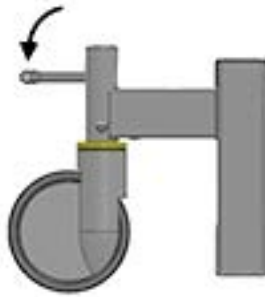
### 5.3 Brake Operation

The three different positions for the brake is pictured below.

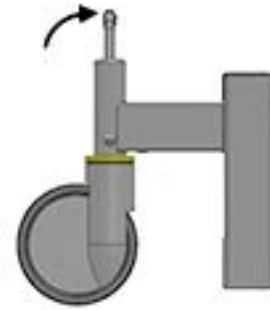
- Neutral position: The rear wheels can turn and swivel without limitations
- Braked position: Rear wheels are locked in both rotation and swivel
- Swivel lock position: Rear wheels can rotate but are locked and cannot swivel



Neutral position



Braked position



Swivel lock position

## 5.4 Batteries and Chargers



### Before using the batteries



New batteries should always be fully charged prior to using.

### Charge the battery pack

The battery pack must be charged immediately when the red battery status indicator light illuminates as total discharge can damage the batteries or shorten their lifespan.

### To charge the batteries:

- 1: Connect the lifter to the wall-plug .
- 2: The lifter may be turned **ON or OFF** when charging.
- 3: Charger indicator:

-  The charger is connected and charging.
-  The batteries are workable.



The indicator changes to green after 1 to 4 hours, which corresponds to 80% charge. The battery pack is fit for use as soon as the green light is on. However, it is recommended to do a full charge, which takes approximately 5 hours.

The charger automatically charges the batteries and switches to maintenance charging when the batteries are fully charged.






### Safety when charging

Use only original charger. Check that the wires are in good condition and connected properly before applying power. Make sure there is no dirt or water in the plug.

### The battery status indicator

The lifter is equipped with a battery status indicator, which indicates the battery status when the lift button is activated.



- |   |  |
|---|--|
|  Red indicator:    | Batteries must be recharged immediately. |
|  Orange indicator: | The batteries are functionally charged.  |
|  Green indicator:  | The batteries are fully charged.         |



### Safety when discharged

Using discharged batteries means an extreme stress for the battery and should be avoided.

## 6 ATTACHMENTS AND TOOLS

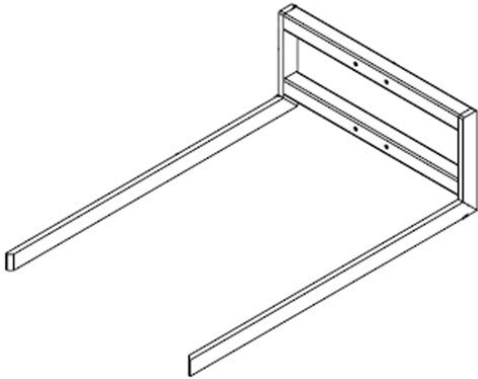
### 6.1 Fixed Forks

The fork is used for handling boxes, pallets or trolleys.



#### **Safety when using the fork**

Items handled with the fork must not be substantially larger than the fork, as there is risk of dropping the item.



Fork

### 6.2 Platform and Frame

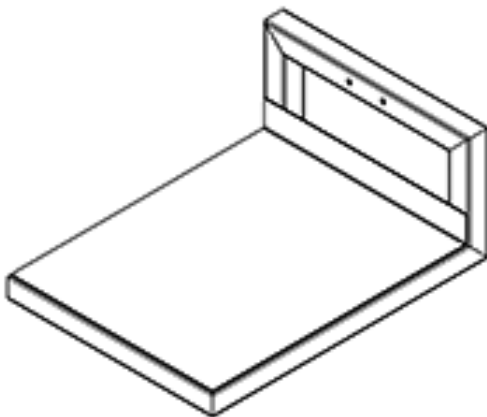
The platform can be used to handle various items or boxes.

Use the lifter to level the platform with the object to be lifted. The object can with little effort be pulled onto the platform. The same method is used to get the object off the platform again.



#### **Safety when using the Platform**

Boxes handled with the platform must not be substantially larger than the platform, as there is risk of dropping the item.



Platform

## 6.3 V-Cradle

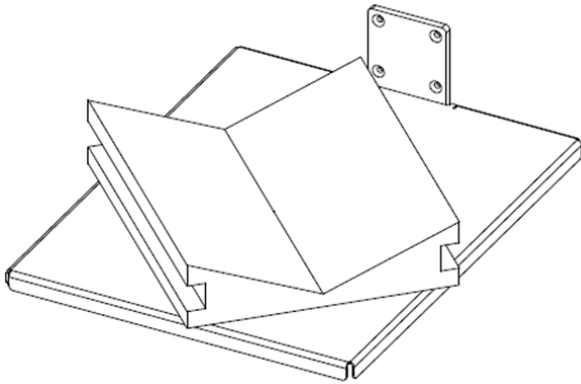
The V-cradle is used for handling reels where the reel is subsequently transferred to an axle or boom on a packaging machine or similar machines.

The V-cradle is inserted into the central hole of the lifter's standard platform. The V-cradle can be rotated to ensure the correct loading and unloading of the reel.



### Safety when using the V-cradle

It is important that the item is placed in the middle of the V-cradle in the longitudinal direction, as the load may become unbalanced on the lifter during the subsequent rotation of the item. Reels handled with V-cradles should not be more than 500mm in diameter, due to the risk of dropping the reel.



V-cradle

## 6.4 Boom / Double Boom

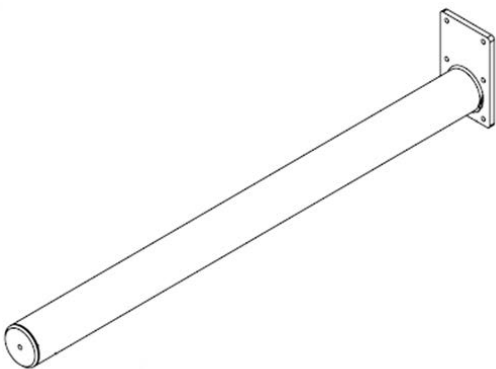
The boom is used for handling reels or other items with tubes in the center. The lifter can be equipped with 2 variations of booms:

- Single boom for lifting and handling lighter reels.
- Double boom for handling reels without a tube in the center of the reel.

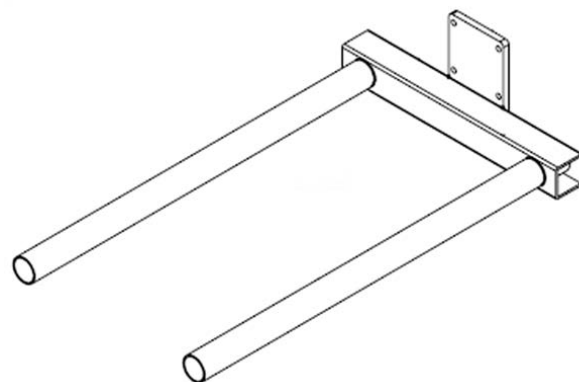


### Safety when using the boom/double boom

When handling an item, the operator must ensure that the mandrel passes completely through the item.



Boom



Double Boom

## 6.5 Reel Manipulators

The reel manipulator is used for the handling of reels with round center holes. Both reels standing upright or laying horizontally can be handled.



### Safety when using the Reel Manipulator

When loading the reel it is important to lock the positioning bolt and the safety lock. Failure to do so may cause the machine to tip over.

### Safety when using the safety lock

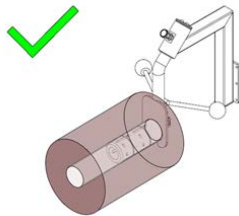
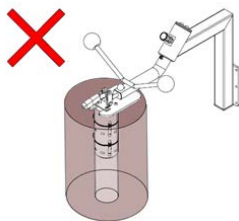
Do not release the safety lock before the reel is in position, otherwise the reel may accidentally fall off.

### Safety when using the positioning bolt

Turn slowly: The positioning bolt is not designed to act as a stop-tab when the reel is turned.

### Safety when moving the lifter

Always transport the reel with the core placed horizontally.

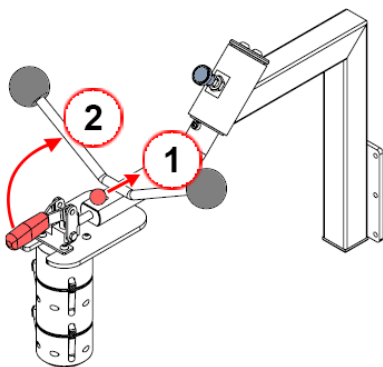


### MRP1 and MRP3:

#### To release the reel:

1: Pull and hold the red button (safety lock).

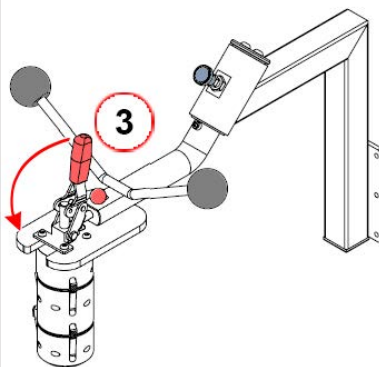
2: Rotate the red handle.



#### To fasten the reel:

(To activate the grip function)

3: Rotate the red handle until the safety lock is activated.

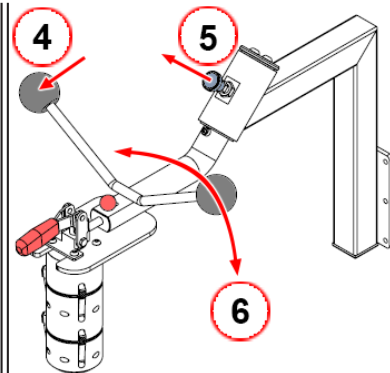


#### To rotate the reel:

4: Hold on to the grip.

5: Open the positioning bolt.

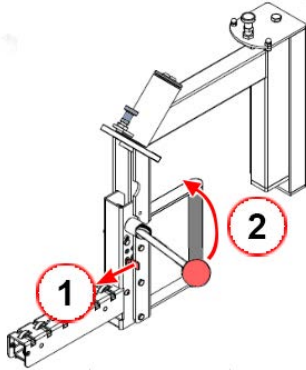
6: Turn the tool slowly.



## MRP2:

### To release the reel:

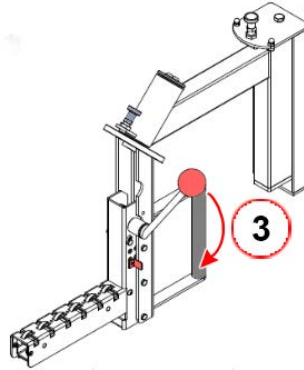
- 1: Push and hold the red button (safety lock).
- 2: Rotate the red handle.



### To fasten the reel:

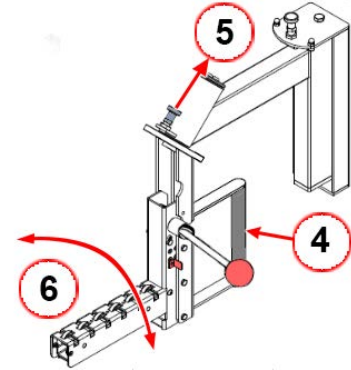
(To activate the grip function)

- 3: Rotate the red handle until the safety lock is activated.  
(Use only restricted strength)



### To rotate the reel:

- 4: Hold on to the grip.
- 5: Open the positioning bolt.
- 6: Turn the tool slowly.



## 6.6 Boom with V-Cradle

### Boom with V-cradle (DVB)

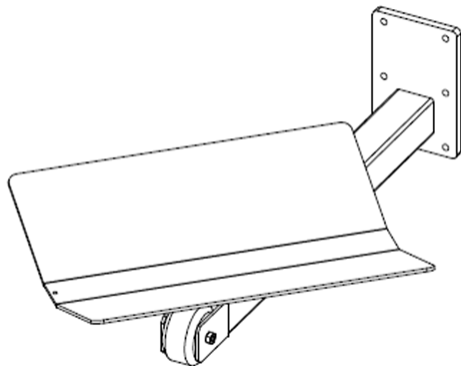
Boom with V-cradle is used for handling reels which are both lifted by their central hole and from beneath. The boom is equipped with a wheel at the front to facilitate the loading of the reels. When the V-cradle is used it is placed into the hole of the boom. The V-cradle can be rotated to ensure the correct loading and unloading of the reel.



#### Safety when using the Boom with V-cradle

It is important that the reel is placed in the middle of the V-cradle in a longitudinal direction in order to prevent uneven loading or the reel falling off.

Reels handled with V-cradle should not be more than 500mm in diameter; otherwise, there is a risk of dropping the reel.



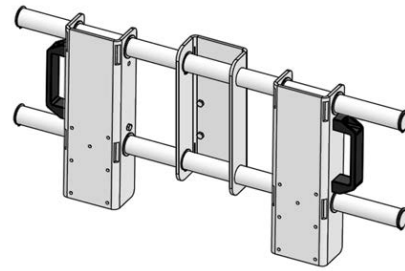
Boom with V-cradle



## 6.7 Flex Attachment

### The Flex Attachment

The Flex Attachment can be used with different arms options.



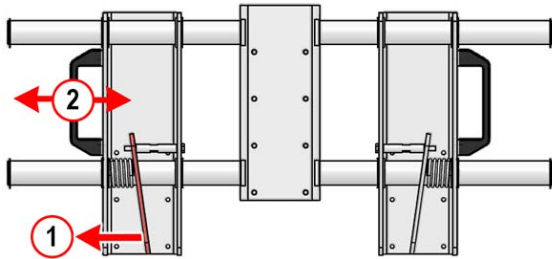
### Safety when using the Flex Attachment

- Activate the brake of the lifter.
- Do not adjust the Flex Attachment, when the lifter is loaded.
- The max weight for the tool is written on the tool.

### Adjusting the Flex Attachment

**1:** Squeeze the bottom of the spring latch

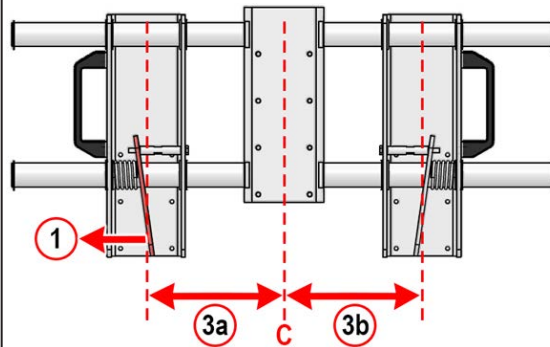
**2:** Pull or push the handle.  
(The sledge slides from side to side.)



**3: Safety:**

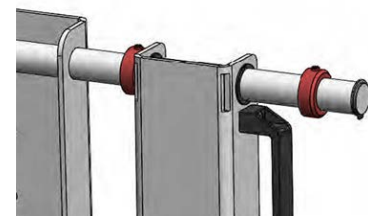
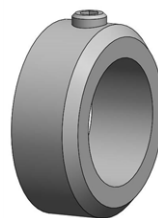


- The Flex Attachment must be symmetric: **3a** and **3b** must have the same distance to center **C**.
- The load must be positioned in the center **C** of the Flex Attachment



### Collars options

Collars can be mounted on the Flex Attachment. Collars are used to specify fixed widths.

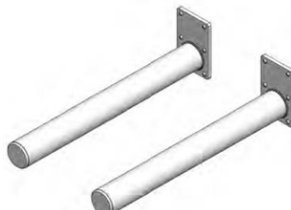


### Arm options:

D30



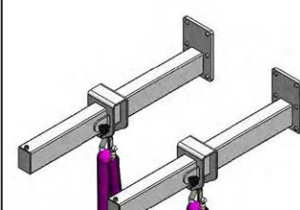
d1:



G1:

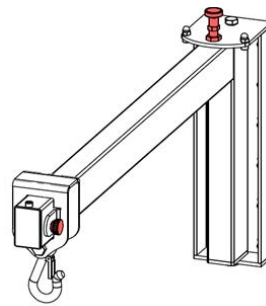


KA1:

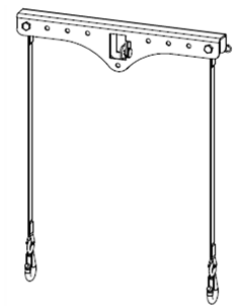


## 6.8 Boom with Hook & Traverse/Spreader Section

The boom arm is a boom with an adjustable hook.



Boom arm



Option: Traverse



### Safety when using the Boom arm

- Always activate the brake of the lifter.
- Do not adjust the trolley or arm swing, when the lift is loaded.
- Do not exceed maximum load:  
The maximum load is written on the boom arm.

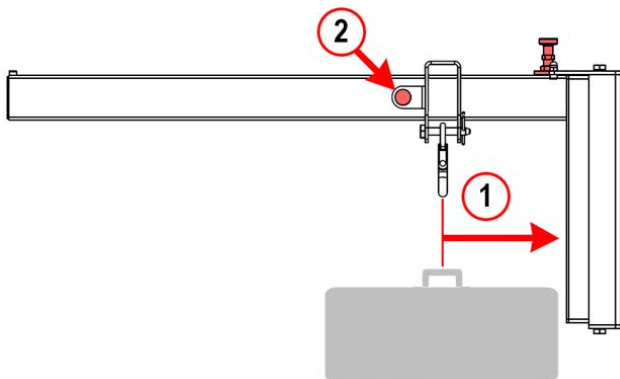
### Safety when moving the lifter

- Lower the boom arm as far as possible.

### Loading the Boom arm

**1:** The trolley must be as close to the mast as possible. The load must be positioned below the hook

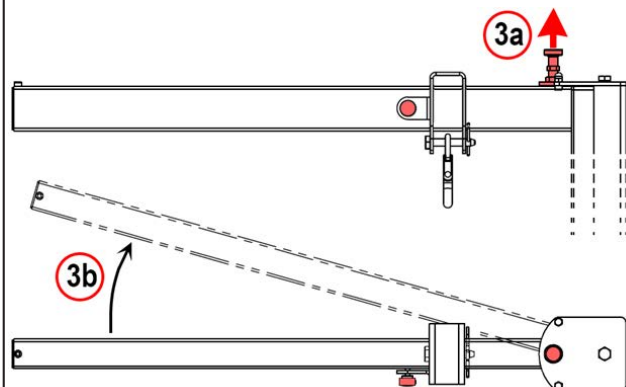
**2:** Lock the latch of the trolley.



**3 Swing option:** Boom arm

-a: Open the Swing latch

-b: Swing the boom arm. (max.  $\pm 15^\circ$ )

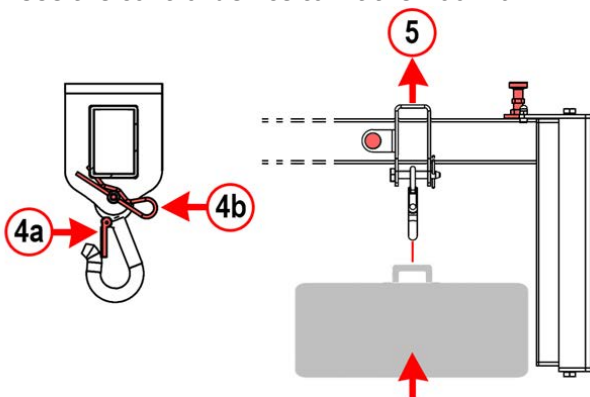


**4:** Fasten the cargo to the Boom arm.

-a: **Ensure** that the hook latch is locked !

-b: **Ensure** that the lock pin is locked !

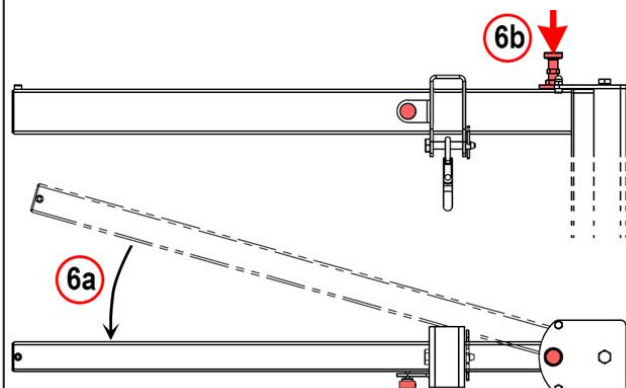
**5 :** Use the control device to lift the Boom arm.



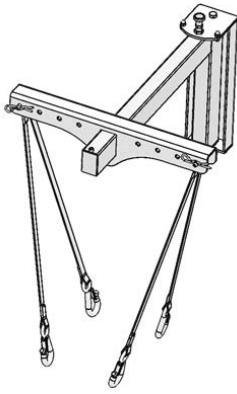
**6 Swing option:**

-a: Swing the boom arm back (Carefully)

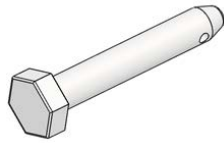
-b: **Ensure** that the Swing latch is locked !



**Traverse: Procedure for attaching and locking four Lifting straps (example)**



Boom and traverse



2x spinning locking pins



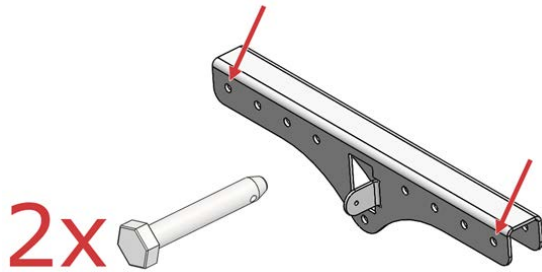
2x Spring locking pin



4x Lifting strap

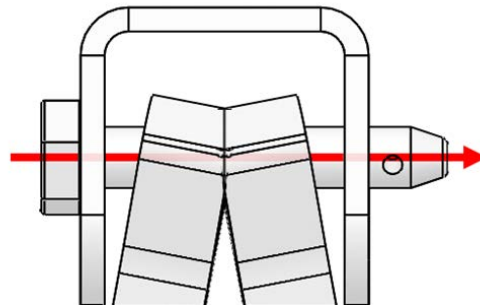
**1:**

Insert the two spinning locking pins into the holes of the traverse in the upper **left** and **right** corner.



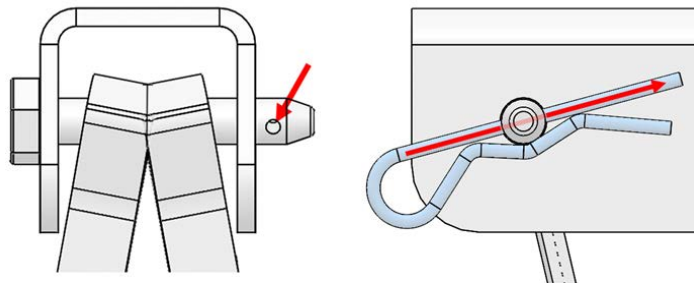
**2:**

...and through the holes of the two lifting straps and the traverse.



**3:**

Then insert the spring locking pin into the hole of the spinning locking pin.



**Control all Spring locking pin**

- The two Spring locking pin must be locked.

**Control lifting straps and load**

- The tool must be lowered to the lowest possible position, when steering the lift.
- The load must be in balance and must not swing, when steering the lift.
- Ensure that the Lifting straps are not tangled.

## 7 MAINTENANCE AND INSPECTION

All Presto Lifts products are designed for minimum maintenance, however some safety checks and procedures are required.

Presto Lifts strongly recommends the following checks be carried out on a daily basis and before using the lift. Ensure that the lift is functioning as intended. If in doubt, do not use.

- The lifter must be free of dirt or debris which could affect safe operation
- Ensure all labels are present, without damage and are readable.
- Ensure no sign of wear, unusual sounds or visual defects.
- Ensure bolts, nuts and rivets are not loose.
- Ensure correct operation of the brakes.
- Ensure the lifter moves freely on its wheels and casters.
- Ensure control unit is in working order.

The yearly maintenance must be performed by a qualified technician.

### 7.1 Critical Components

The critical components listed below, must be replaced with the intervals stated, to make sure that the lifter is in safe, operational condition.

#### **Critical components:**

Please contact Presto Lifts for instruction on how to replace critical components.

#### **Cam belt**

- Replace when / if any of the points below occur:
  - Any sign of wear, visual cracks, or miscolor.
  - Under normal use (Use < 20 lifts per day, in average over a year), replace after 8 years.
  - Under intensive use (Use > 20 lifts per day, in average over a year), replace after 4 years.

#### **One way bearing**

- Replace when / if any of the points below occur:
  - Any sign of wear, unusual sounds or visual defects.
  - Under normal use (Use < 20 lifts per day in average over a year), replace after 8 years.
  - Under intensive use (Use > 20 lifts per day, in average over a year), replace after 4 years.

### 7.2 Disposal

When disposing the lifter, make sure to sort the different materials by category, metal, electronic waste, batteries etc.. Make sure to follow the local environmental legislations, and hand over the materials to the local recycling station.



**Pb**

- Note: The batteries contain lead and must be disposed accordingly!

## 8 CLEANING INSTRUCTIONS



- **Swap batteries**

The external battery swap unit must be removed from the lifter, prior to cleaning.

<b>Ingress protection marking (IP)</b>			
<b>Model-approved IP code:</b>	<b>IP 41</b>	<b>IP code description</b>	
Solid particle protection	IP 4X	>1 mm	Most wires, slender screws, large ants etc.
Liquid ingress protection (with batteries)	IP X1	Dripping water	Dripping water (vertically falling drops) shall have no harmful effect on the specimen when mounted in an upright position onto a turntable and rotated at 1 RPM.
<b>Special instructions/Precautions</b>			
<ul style="list-style-type: none"> <li>• Always wear the correct safety equipment</li> <li>• Lower the lifting tool, so that you don't risk a head injury when cleaning near the floor.</li> <li>• The battery charger must be disconnected from the main during cleaning.</li> <li>• In case of remote control the plug on the mast must be protected during cleaning.</li> </ul>			
<b>Detergent application</b>			
	<ul style="list-style-type: none"> <li>• Use a standard PH neutral cleaning detergent.</li> </ul>		<ul style="list-style-type: none"> <li>• Do not use Acid, Alkaline or harsh chemical products, these might weaken the drive belt and other sensitive components or leave marks on the surfaces.</li> </ul>
<b>Work process</b>			
	<ul style="list-style-type: none"> <li>• The outer surfaces can be cleaned using a wet brush or a damp cloth.</li> </ul>		<ul style="list-style-type: none"> <li>• Do not use liquids to clean the lifter as this may have adverse effect on the electrical components.</li> </ul>
<b>Key inspection points</b>			
	<ul style="list-style-type: none"> <li>• Test that all functions are working properly before the lifter is placed back into service.</li> </ul>		

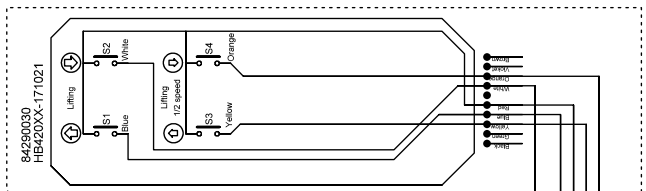
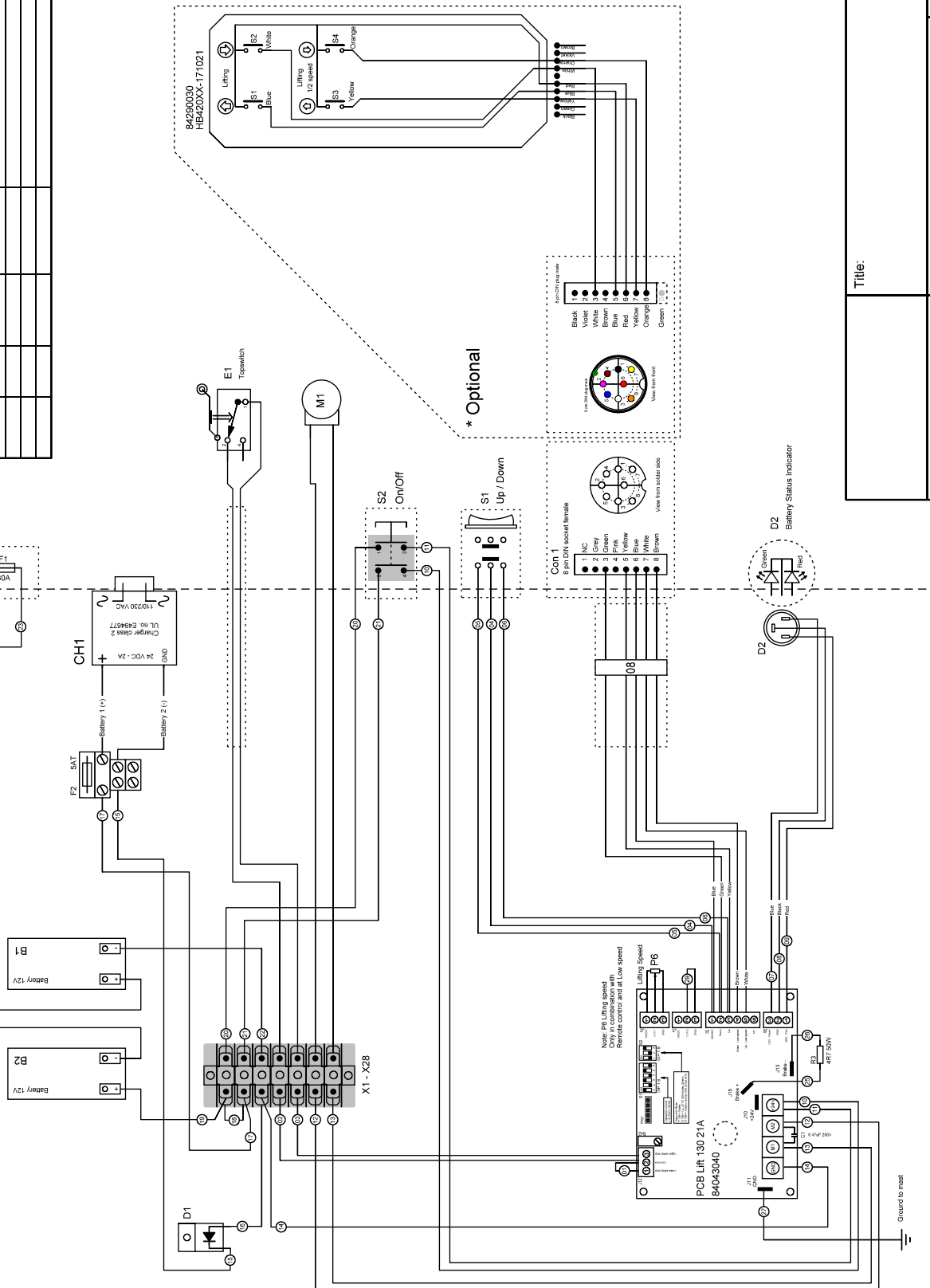
## 9 RESOLVING FAULTS

Fault type	Check the following	Solve
The timing belt jumps on the belt wheel (the belt is making crackling noises)	Is the belt slack?	Tighten the belt using the screws at the top of the mast.
	Is the belt worn?	Replace the belt.
The belt is skewed (the belt squeaks)	Is the belt running skewed in the track on the top cam wheel?	Adjust the screw at the top of the mast, on the side to which the belt is skewed.
	Is the belt worn?	Replace the belt.
The sledge jerks	Is there dirt in the mast on which the sledge runs?	Remove the dirt and wipe with alcohol.
	Is there dirt on the sledge wheels?	Remove the dirt or replace the wheels.
The lifter does not respond	Check whether the item being lifted is heavier than the lift's capacity	Remove the item.
	Check the main fuse or the on/off button	Replace the main fuse or press the button.
	Check that the batteries are charged	Connect the charger.
The lift works very slowly	Check the voltage of the batteries	Connect the charger.
	Check the charging frequency. Does the light quickly change to green when connected?	If the charger quickly changes to green, it could indicate that the batteries should be replaced or the fuse on the charger is broken or the main switch is off.

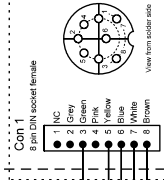
# 10 ELECTRICAL

Revision	Date	Drawn by	Approved By	Description
R1	20210816	RBK	SR	Initial Drawing

84252086-130  
Slyring Impact 130



\* Optional



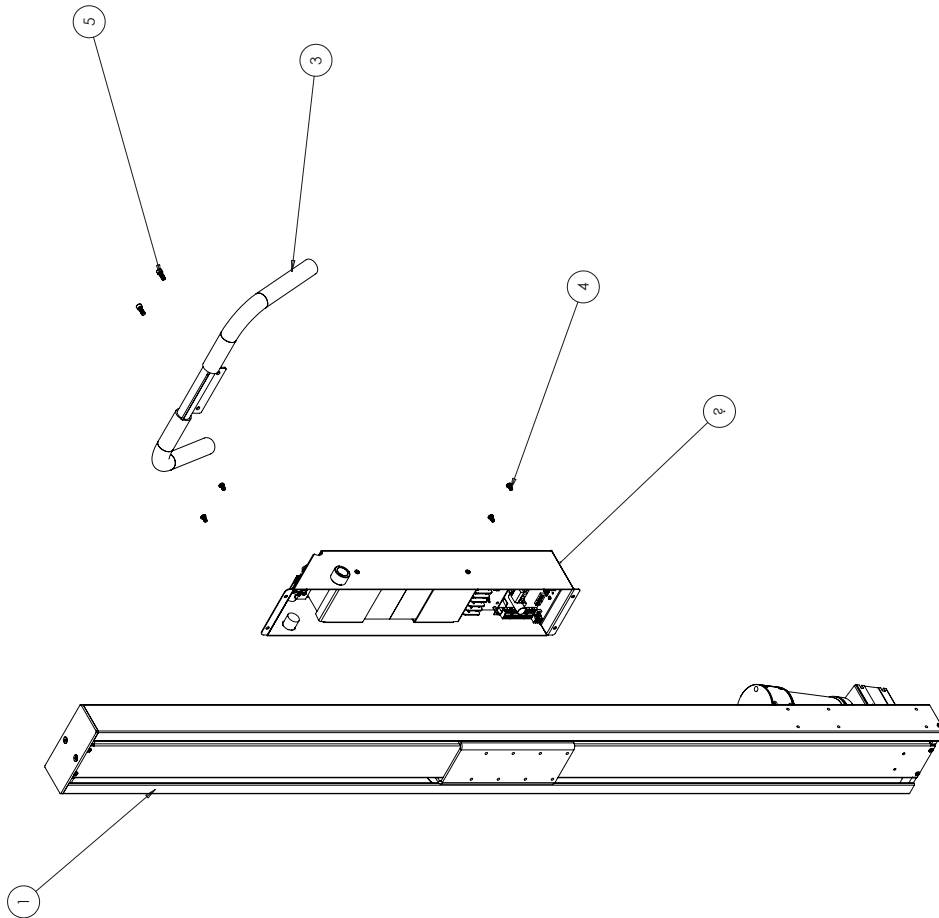
Title:	
84252086-130	Page no.

This drawing is not to be copied, shown to or taken advantage of by any unauthorized person.

# 11 SPARE PARTS

## 11.1 Mast Complete

ITEM NO.	PART NUMBER	DESCRIPTION	Default/QTY.	Revision
1	10084410	Mast Impact 130M	1	1
2	84252086-130	Control Unit Impact 130	1	1
3	81170102	Handle Impact 80-130 complete	1	3
4	81010380	Taprite M5x10 FZB	4	1
5	81010118	Screw M6x16 CH FZB DIN 912	2	1



FINISH	DO NOT SCALE DRAWING	REVISION: 2
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED		
Complete Mast		
MATERIAL	ALU/Steel	40010528 40010528
		A2 128



# 11.2 Mast

ITEM NO.	PART NUMBER	DESCRIPTION	Default/QTY.
1	30000437	Column Impact 130M	1
2	40000737	Cam bell holder Apollo 130	1
3	85020021	Flange for Minimotor	1
4	40000897	MiniMotor 41 r/min 120W	1
5	40000684	Motor shaft Impact 130	1
6	81190092	Bearing 6905 2RS	1
7	40000700	Spacer for motor shaft Impact 130	1
8	40000163	Timing Belt Pulley AT10/16 - Complete	1
9	40000699	Spacer for motor shaft Impact 130	1
10	81160090	Sledge Impact 80/130 komplet	1
11	40000705	Bottomstop Impact 130	1
12	84080016	Microswitch with roller V3 16A	1
13	40000665	Top plate Impact mast	1
14	81220027	Timing belt AT10-25x3690	1
15	40001894	Topwheel complete Impact 70-80-130	1
16	81030086	Spacer for topwheel	2
17	40000701	Support for coverplate Impact	1
18	84130020	Cable channel 12x12 white 430mm.	1
19	84130020	Cable channel 12x12 white 100mm.	1
20	84130020	Cable channel 12x12 white 670mm.	1
21	84210025	Receptacle crimp terminals 6,3-she-blue-UL	2
22	84280912	Wiring for topstop Impact	1
23	30000428	Coverplate Impact 80-130 M	1
24	81010083	Screw 6x12 UH FZB DIN 7991	1
25	81010134	Screw 8x12 RH FZB ISO 7380	4
26	81010088	Screw 8x16 UH FZB DIN 7991	1
27	40002247	Parallel key AS x 5 x 25 DIN 6885	1
28	81100012	Circlip 25x1,2 A2 DIN 471	1
29	81010296	Toplift M5x12 FZB Din 7500	2
30	81010426	Screw 3x14 CH FZB DIN 912	2
31	81010105	Screw 6x55 UH FZB DIN 7991	2
32	81010295	Toplift 4x12 FZB DIN 7500	1
33	81010328	Toplift 4x8 FZB DIN 7500	5

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS (INCHES IN PARENTHESES). EXCEPT AS NOTED OTHERWISE.

INDEX: [ ] DRAWING: [ ] DO NOT SCALE DRAWING

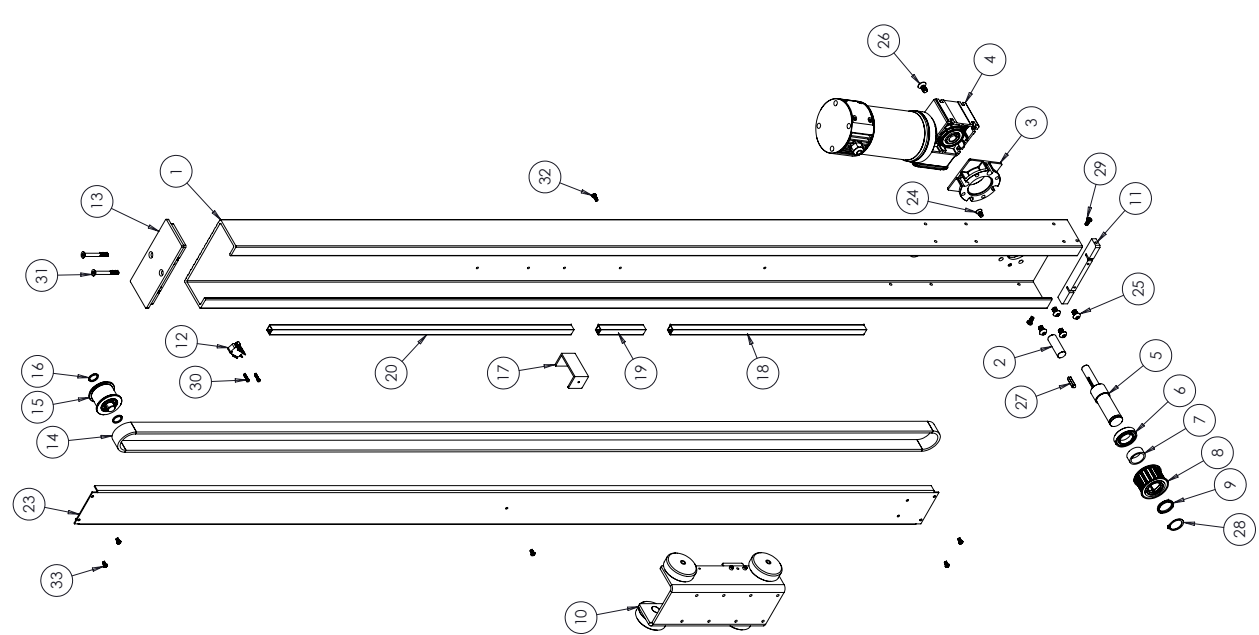
REVISION: 2

TITLE: Mast PLS67-285

MATERIAL: ALU/Steel

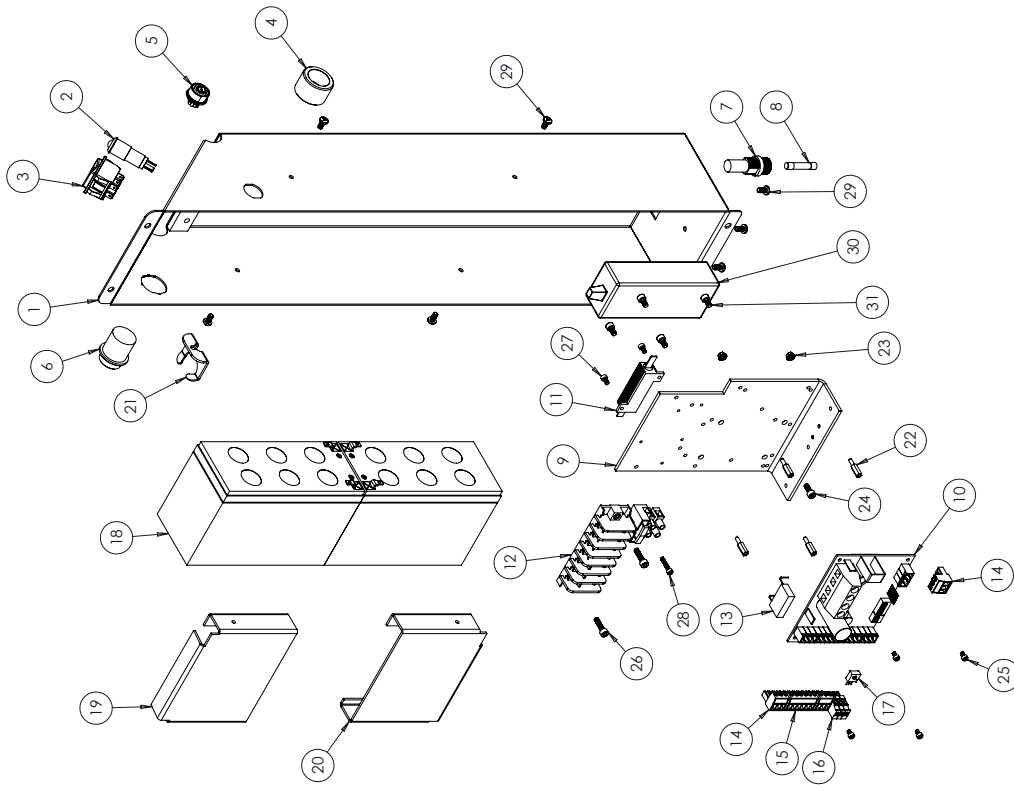
10000064

A2



# 12 CONTROL BOX

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	30017441	Control box	1
2	84170046	LED indicator	1
3	84100068	Rocker switch 2-p 4.8 UL	1
4	30006518	Mounting collar for remote plug	1
5	84281765	8 pole din plug with wire	1
6	84100092	on/off button Apollo Red	1
7	84040238	Fuse holder 6x32	1
8	84040233	Fuse T30/250 6x32 UL	1
9	30017357	Charger holder	1
10	84043040	PCB Lift 1.30 21A	1
11	84170066	Resistance 4R7 Ohm 50W	1
12	84281775	Cable set impact control UL-90-130-200	1
13	84170069	Condensator x2 0.47uf 275V	1
14	2010196	PCB connection plug 3 poles	3
15	2010197	PCB connection plug 6 poles	1
16	2010198	PCB connection plug 3 poles - angled	1
17	84170070	Potentiometer 10K	1
18		Battery 12V 9AH	2
19	30000914	Battery holder top impact control box	1
20	30000915	Battery holder bottom impact control box	1
21	30008669	Bracket for charging cable	1
22	84150009	Male-female spacer M3x12	4
23	81020069	Flange nut M3 FZB DIN 6923	4
24	81010115	Screw M4x10 CH FZB DIN 912	1
25	81010421	Screw M3x5 CH FZB DIN 912	4
26	81010422	Screw M4x16 CH A2 DIN 912	2
27	81010356	Screw M3x6 CH FZB DIN 912	2
28	81010317	Screw M3x16 CH FZB DIN 912	1
29	81010328	Taplite 4x8 FZB DIN 7500	7
30	84020071	Charger FUYUANG FY2942000	1
31	81010455	Screw M4x8 CH A4 DIN 912	4



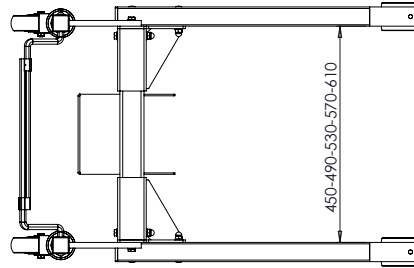
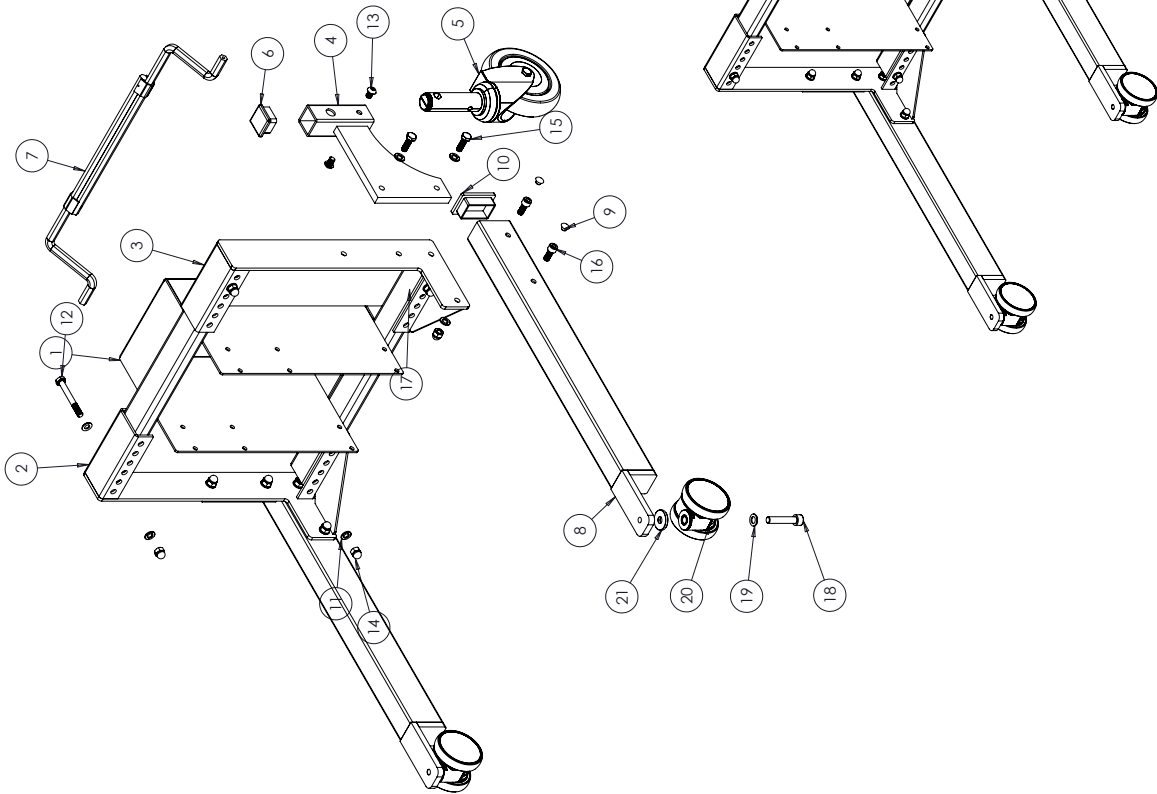
DESIGN AND CHECKED BY DATE	DESIGNED BY DATE	REVISED BY DATE	REVISIONS
			1
TITLE		CONTROL BOX DRAWING	
CONTROL BOX		CONTROL BOX	
DRAWING NO.		84252086-130	
SCALE		A2	
SHEET NO.		15	

Control Unit PLS67-285



# 13 STANDARD LEGS - FC1 (EXAMPLE)

ITEM NO.	PART NUMBER	DESCRIPTION	Default/Qty.	Revision
1	40002791	Console adjustable legset	1	2
2	40002794	Flexleg right	1	4
3	40002797	Flexleg left	1	4
4	40001267	bracket central br. impact	2	5
5	81200014	Wheel ø125 Tenle centrabr	2	2
6	81140021	End Cap 35x35 blackferrule 35x35 black	2	2
7	30003892	Central br.arm.	1	2
8	30007200	Leg 500mm Impact flex	2	1
9	81140023	Coverknob ø8/13x6 sort	4	2
10	40002253	Ferrule 60x40-3-5mm	2	1
11	81030007	8mm Spacer FZB DIN 125 A	20	
12	81010042	Bolt 8x70 FZB ISO 4014	4	
13	81010134	Screw 8x12 RH FZB ISO 7380	4	
14	RG-M8TOPPR	Nut M8 FZB Isp	10	
15	81010033	Bolt 8x25 FZB	4	
16	81010302	Screw M8x20 CH FZB DIN 912	4	
17	81020024	Lockingnut M8 FZB DIN 985	2	
18	81010250	Screw 10x50 CH A2 DIN 912	2	
19	81030109	10mm Spacer A2 DIN 433	2	
20	81200096	Wheel ø75 dobbelt Linea	2	1
21	30008641	Spacer Ø30x4	2	1



FINISH	ST6	DO NOT SCALE DRAWING	Revision: 2
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS (INCHES ARE IN PARENTHESES)			
TITLE	Flex-type I-500-75s		
MATERIAL	Benscset Impact		
		400T0018	A2

# 14 ANNUAL INSPECTION

**Date of inspection:**

**Controller:**

**Comments:**

_____	_____	_____
_____	_____	_____
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## 15 WARRANTY & CONTACT INFORMATION

Presto Lifts warrants this product to be free from defects in material or workmanship for the duration of the warranty period. Warranty periods vary and begin on the date of shipment. For specific warranty information, contact Presto Lifts with the machine's serial number.

Any claim for breach of this warranty must be received in writing by Presto Lifts within the warranty period. Warranties shall not cover failure or defective operation, caused by misuse, misapplication, negligence or accident, exceeding recommended capacities, or any alteration or repair of the item purchased which has not been authorized by Presto Lifts. Except as set forth herein, Presto Lifts makes no other warranties, express or implied, including THE WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE, all of which ARE HEREBY EXCLUDED.

Presto Lifts meets the labeling requirements of California's Proposition 65. Presto Lifts makes no warranty or representation with respect to the compliance of any product with other State or local safety or product standard codes and any failure to comply with such codes shall not be considered a defect of material or workmanship under this warranty. Presto Lifts shall not be liable for any direct or consequential damages arising out of such non-compliance.

Presto Lifts' obligations under any warranty or for any other damages which may arise under any sale, agreement, or contract, are limited to the replacement or repair of defective components at its factory or another location at Presto Lifts' discretion. This is buyer's sole remedy under any such warranty, sale, agreement, or contract. Presto Lifts will not be liable for consequential, incidental, exemplary, or punitive damages of any kind resulting from a breach of any warranty that it has provided or for breach of any term of any sale, agreement, or contract. Any warranty may be altered only in writing by Presto Lifts.

All commodities, software, or technology purchased from Presto Lifts are subject to the export and re-export control laws and regulations of the United States, including but not limited to the Export Administration Regulations ("EAR") and Department of the Treasury Office of Foreign Asset Controls ("OFAC") Regulations. Presto Lifts expects all distributors and customers to comply with these laws and regulations. Without limiting the foregoing, the distributor/customer cannot, without proper authorization from the applicable United States Government Agency, export, re-export, or transfer any commodity, software, or technology purchased from Presto Lifts, either directly or indirectly, to any entity, country, or national of any country in breach of such laws and regulations. Furthermore, Presto Lifts expects that the distributor/customer shall indemnify and hold harmless Presto Lifts from and against any claim, proceeding, action, fine, loss, cost and damages arising out of or relating to any noncompliance with export control regulations by distributor/customer, and distributor/customer are expected to compensate Presto Lifts for all losses and expenses resulting thereof, unless such noncompliance was clearly not caused by fault of the distributor/customer.

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(Find in About Us pull down menu)