



HOVERBOARD® RiBase

**Air-suspended stretcher support
with electromotive loading aid
for Ferno Mondial**

Edition 8/2022

RIBASE

CONTENTS	PAGE
Important notes _____	3
Return of goods / exchange _____	3
Warranty _____	3
Continuous development process _____	3
Property right _____	4
Customer service / serial number _____	4
Briefing _____	4
CE certification _____	4
Specification and Standards _____	4
Additional instructions for use _____	4
Lifetime _____	4
Technical support _____	4
WEEE Guidelines _____	4
1 Safety instructions _____	5
1.1 Danger _____	5
1.2 Warning _____	5
1.3 Attention _____	5
1.4 Bloodborne diseases _____	5
1.5 Tips _____	5
1.6 Symbols on the product and in these operating instructions _____	6
1.7 Compatibility of the mounting systems _____	6
2 Knowledge and training _____	7
2.1 Knowledge _____	7
2.2 Training _____	7
2.3 Operator Responsibility to maintain a safe Hoverboard _____	7
3 Product description and technical data _____	8

CONTENTS	PAGE
4 Operation of the Hoverboard Ribase _____	9
4.1 Operating elements _____	9
4.2 Loading the MONDIAL stretcher _____	10
4.3 Pneumatic lateral movement device _____	11
4.4 Unloading the MONDIAL stretcher _____	11
4.5 EMERGENCY STOP switch _____	12
4.6 Manual unloading of the MONDIAL stretcher in case of mechanical failure or Power interruption _____	12
5 Care and Maintenance _____	13
5.1 Manufacturer specifications _____	13
5.2 Cleaning and disinfecting _____	13
5.3 Lubrication _____	14
5.4 Function check (checklist) _____	14
6 Spare parts _____	14
Spare parts list _____	15 - 20

Edition: August 2022

Hoverboard is committed to a
continuous improvement process
and development of its products.

Therefore, technical and editorial changes are reserved

Important notes

These operating instructions are an important part of the product. Therefore, keep these operating instructions carefully and in the immediate vicinity of the product!

It should always be at hand.

If you resell this product, please hand over the user manual to the new owner. The user manual has been prepared to familiarize the operators of this Hoverboard with the correct and safe handling. Be sure to read the manual completely first and familiarize yourself with the functions of the product. Train the handling carefully before using the product in daily practice.

This product is used to secure the FERNO Mondial stretcher in the vehicle and thus to support patient transport and consequently to facilitate the work of the rescue service personnel. **At least two operators** of average height with practical experience are required for safe handling. Requirements are the ability to grip firmly with both hands, sufficient strength in back and legs for lifting, pushing and pulling, good sense of balance, good reflexes and muscle coordination. In rough terrain, with heavy patients or similar, additional helpers are needed to ensure safety for both patient and operator. Regular practice with the product is essential for safety and optimal patient care. In addition, the functional capability must be checked before each use. Described deployment measures are recommendations and may differ from their deployed deployment measures.

Return of goods / Exchange

Check the delivered parts for completeness and functionality.

Please inform us immediately of any complaints or damage.

Therefore, please inform us in advance if you want to return something to us.

Warranty

We warrant that the new products delivered by us are free of defects, as well as the existence of agreed or warranted characteristics, in accordance with the statutory provisions and our general terms and conditions, which can be requested from us.

In principle, we are obliged to rectify the defect.

If this fails three times, we are obligated to make a subsequent delivery of a defect-free item. If rectification and/or subsequent delivery is not possible or can only be carried out at a disproportionately high cost, the contract shall be rescinded (withdrawal).

We only provide warranty for products sold by us or repairs carried out by us to our contractual partners, the assignment or transfer of warranty claims to third parties requires our prior consent. If you have purchased a Hoverboard from a dealer or third party, the dealer or third party is obligated to provide you with warranty.

Otherwise, the return or exchange of goods is excluded. Our liability for warranted or agreed characteristics of our products is limited to compensation for direct damage, in accordance with our General Terms and Conditions. Knowledge of and compliance with the relevant standards for the use of our products and regulations for use is the responsibility of our customers in this case.

We offer instruction in the proper use of the equipment exclusively for our customers and product sold by us.

If you have purchased a Hoverboard product from a dealer or third party, please contact them to perform the instruction.

Modifications to our products as well as repairs or attempted repairs by persons other than authorized Hoverboard service partners will void any warranty claims.

Continuous improvement process

Hoverboard strives for continuous improvement and development of its products. Therefore, deviations from this description may occur on your product.

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Property right

Information contained in these operating instructions is property of Hoverboard GmbH, Gewerbepark 10, 6068 Mils, Austria. We reserve all proprietary rights for patents, design patents and copyright, unless otherwise expressly authorized in written form.

Customer service / serial number

The product described in these operating instructions has a serial number attached to the inside of the rear cover plate as shown here:



Please always quote this number for any complaints or spare part orders !

Hoverboard GmbH

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6068 Mils
Austria

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info@hover.at

Briefing

Take the opportunity of a professional instruction for your new Hoverboard product. Our experienced service partners will familiarize you with the correct functioning and handling of the product. According to applicable standards, Hoverboards may only be installed, operated, used and maintained by persons who have the necessary training or knowledge and experience.

CE certification

This product complies with EU Directive 93/42/EWG.



Specifications and standards

When properly installed and used with appropriate Ferno products, the Hoverboard meets or exceeds the following specifications and standards. Please note that these specifications and standards are subject to continuous development.

- EN 1789:2014
- EN 1865-5:2012
- ECE R17 (20g)

Additional instructions for use

The product described in these operating instructions can be used with other products. Be sure to read the operating instructions of the relevant products.

Lifetime

Depending on the frequency of use, load and regular care and maintenance, the recommended service life of this product is between 8 and 10 years.

Technical support

Customer service and product support are important aspects of all Hoverboard products. Please contact our service line directly with any questions regarding repairs, maintenance or service. Our experienced service partners will be happy to come to you if necessary.

WEEE Directives (EC)

The WEEE Directive (Waste of Electrical and Electronic Equipment) is the EC Directive 2002/96/EC on the reduction of waste electrical and electronic equipment.



Waste electrical and electronic equipment must not be disposed of with regular household waste.

If you have any questions regarding the WEEE guidelines in relation to our products, please contact us directly.


1 Safety instructions

1.1 Danger

Hazard warnings identify imminently hazardous situations which, if not avoided, will result in injury or death.

1.2 Warning

Warnings indicate potentially hazardous situations which, if not avoided, could result in injury or death.

 **WARNING**

Improper or inadequate installation may result in injury. The installer must check the planned installation for compliance with all relevant guidelines before carrying out the installation in a vehicle.

Untrained operators may cause injury or be injured. Allow only trained operators to use the Hoverboard.

Improper use of the Hoverboard can lead to injuries. Use the stretcher support only for the purposes described in these instructions for use.

Off-brand stretchers or transport systems may cause injury. Use only compatible Ferno products that have been manufactured or modified specifically for use with the Hoverboard.


Improper operation can lead to injuries. Operate the Ribase stretcher support only as described in these operating instructions.

Improper maintenance can lead to injuries. Only service the Hoverboard as described in this user manual.

Improper spare parts and service can cause injury. Use only Hoverboard approved spare parts and professional service with the Hoverboard.

The Hoverboard is designed for use with the Ferno Mondial Roll-In System only. Prior to use, conversions must be made to the Ferno Mondial by qualified personnel.

Modifying the Hoverboard can lead to injuries and damages. Use the Hoverboard only according to these instructions.

 **DANGER**

An electric shock can cause death or serious injury. Install the product only as described in these instructions.

Flammable gases can ignite and cause death or serious injury. Install the Hoverboard in well-ventilated areas away from gasoline tanks, gasoline lines, batteries, and other sources of ignition.

1.3 Attention

Attention Notes highlight important usage or maintenance instructions.

ATTENTION

This product must be disinfected by the operator before commissioning

When using accessories from third-party manufacturer, make sure that there is a CE marking on the product and ask the third-party manufacturer for confirmation of compatibility with our product.

Maintenance and repairs may only be carried out by our certified service partners.

This user manual describes the proper operation of the Hoverboard.

For more information on the operation of the MONDIAL stretcher, please refer to the MONDIAL stretcher instruction manual.

1.4 Diseases transmissible by blood

To reduce the risk of bloodborne diseases, such as HIV-1 and hepatitis, when using the product, follow the disinfection and cleaning instructions in this user manual.

1.5 Tips

Tips provide recommendations for easier use of the product.

Tip

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1.6 Symbols on the product and in these instructions for use

The following symbols can be found in these instructions for use and/or on the labels on the product. The symbols used are in accordance with the International Organization for Standardization (ISO), the American National Standards Institute (ANSI) and the regulations of the emergency services.



CE Certification



Read the instruction manual



Do not walk or stand here



Sealing mechanism



Maximum load capacity

1.7 Mounting compatibility - systems

Combining products from different manufacturers, e.g. using the Hoverboard with a stretcher from a third-party supplier, i.e. a stretcher other than the Ferno Mondial, will increase the risk of injury to the operator and patient and result in damage to the product.

In case of disregard, the operator assumes responsibility for any injuries and/or damage.

WARNING

The Hoverboard Ribase stretcher support is designed for use with the Ferno Mondial Roll-In System only.

Prior to use, conversions must be made to the Ferno Mondial by qualified personnel.

This conversion is urgently required to prevent injury to operator and patient, as well as damage to the Mondial chassis and the Hoverboard.

For easy identification if your products have the necessary conversion, adjusted products are provided with black-yellow checkered stickers. These stickers are located on the loading side on the chassis legs of the stretcher and on the tail lift of the Hoverboard.



Conversion prevents incorrect operation during the loading process. Through the stickers you can see which side of the stretcher has to be loaded onto the Hoverboard.

If you have a Hoverboard and a converted Ferno Mondial chassis, but no black and yellow stickers or if they are worn out, you can obtain new stickers from our service partners.

2 Knowledge and training

WARNING

Untrained operators may cause injury or be injured. Allow only trained operators to operate the product.

Improper or inadequate installation may result in injury. The installer must check the planned installation for compliance with all relevant guidelines before carrying out the installation in a vehicle.

Before use, conversion must be made to the Ferno Mondial Roll-In System by qualified personnel. This conversion is urgently required to prevent damage to the Mondial chassis and the Hoverboard, as well as injury to the operator and patient.

2.1 Knowledge

Operators working with the product must:

- Have sufficient practical knowledge of patient transport.
- Be empowered to support the patient.
- Have a complete understanding of the measures described in these instructions for use.

2.2 Training

Operators to be trained must:

- Read and understand these operating instructions.
- Be trained with the use of the product.
- Have practical experience with the use of the product before it is used.
- Document the training. Training records can be found at the end of these operating instructions.

Tip

Take the opportunity of a professional briefing on your new Hoverboard product. Our experienced service partners will familiarize you with the correct functioning and handling of the product. According to applicable standards, Hoverboards may only be installed, operated, used and maintained by persons who have the necessary training or knowledge and experience.

2.3 Operator responsibility to maintain a safe Hoverboard Ribase stretcher support

The Hoverboard is designed to securely lock a compatible Ferno MONDIAL Roll-In stretcher with Smart- Load™ technology into an ambulance.

Note that conversion must be made to the Ferno Mondial Roll-In system before use.

The trouble-free operation of the Hoverboard is based largely on the installer meeting or exceeding the specifications when installing the Hoverboard in a vehicle. Furthermore, the integrity of the Hoverboard is based on regular care and maintenance by the operator.

If the Hoverboard is properly installed and regularly maintained and serviced, the Hoverboard meets or exceeds all applicable specifications and standards.

To achieve compliance of the Hoverboard with the specifications and standards, the following is suggested:

1. Functional check: Check the Hoverboard at least once a month, more often if used more frequently. Check the vehicle from below for damage caused by environmental influences to the belly plates, nuts and screws. Replace the Hoverboard if the integrity is in question.
2. During the function check, check the secure tight fit of all components of the Hoverboard.

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3 Product description and technical data

The Hoverboard Ribase is a specially designed, air-suspended Hoverboard with electromotive loading aid for the FERNO MONDIAL® Roll- In system with Smart-Load™ technology.

- Lightweight construction - partly made of aluminum and high-grade stainless steel
- Openable loading ramp
- Automatic air suspension with hydraulic shock absorbers, suspension stroke 170 mm
- Fully automatic weight adjustment and optimal suspension from 0 - 225 kg patient weight.
- Automatic lowering when the carrier is unlocked
- Electromotive loading and unloading of the stretcher
- Safety stop for latching mechanism of the stretcher's legs during loading and unloading
- Fall arresting safety device
- Safety system with power interruption
- Simple maintenance, easy to clean
- Compressor in hermetically sealed external box, 12 Volts, 25 Amps max.
- Smooth-running lateral movement device (option)
- Switchable ergonomic resuscitation position (option)
- Main and reanimation switch in ceiling panel (option)
- Tested by DEKRA: EN 1789:2014
EN 1865-5:2012
ECE R17 (20g)

WARNING

Improper use of the product can lead to injuries. Use the product only for the purposes described in the instructions for use.

At least two operators of average size with practical experience are required for safe handling.



Maximum load capacity

ATTENTION

This product has a maximum load capacity of 270 kg. Check the product if the maximum load capacity has been exceeded.

Length	2 220 mm
Wide	635 mm
Height lowered	215 mm
Operating height	300 mm
Reanimation height	385 mm
Weight without/with transverse displacement	129/151 kg
Max. load capacity including stretcher	270 kg
Max. loading sill of the vehicle	720 mm

For more information, please contact our service line. Subject to modifications without prior notice.



4 Operation of Hoverboard Ribase Stretcher support

4.1 Operating elements

The following description refers to the standard version of the Hoverboard Ribase, with integrated switches. For versions with external switches, the same descriptions apply analogous.

The control buttons for electrically assisted loading and unloading of the stretcher (illuminated in blue) and the button for pneumatic unlocking of the lateral movement device are located at the foot end (Fig. 4.1).

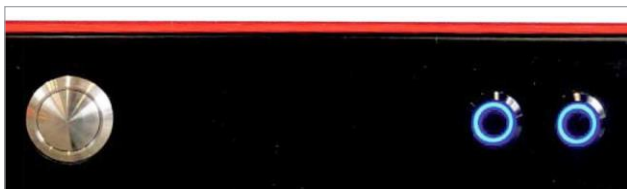


Fig. 4.1 Pushbutton for lateral movement device (left) and blue illuminated loading and unloading button (unloading - left / loading - right)

The blue main switch (on/off), the reanimation switch (suspended mode - highest/rigid position) and a second button for the pneumatic release of the lateral movement device are located at the head end (Fig. 4.2).



Fig. 4.2 Blue main switch (on/off), red switch for lifting the patient and silver release pushbutton for lateral movement device

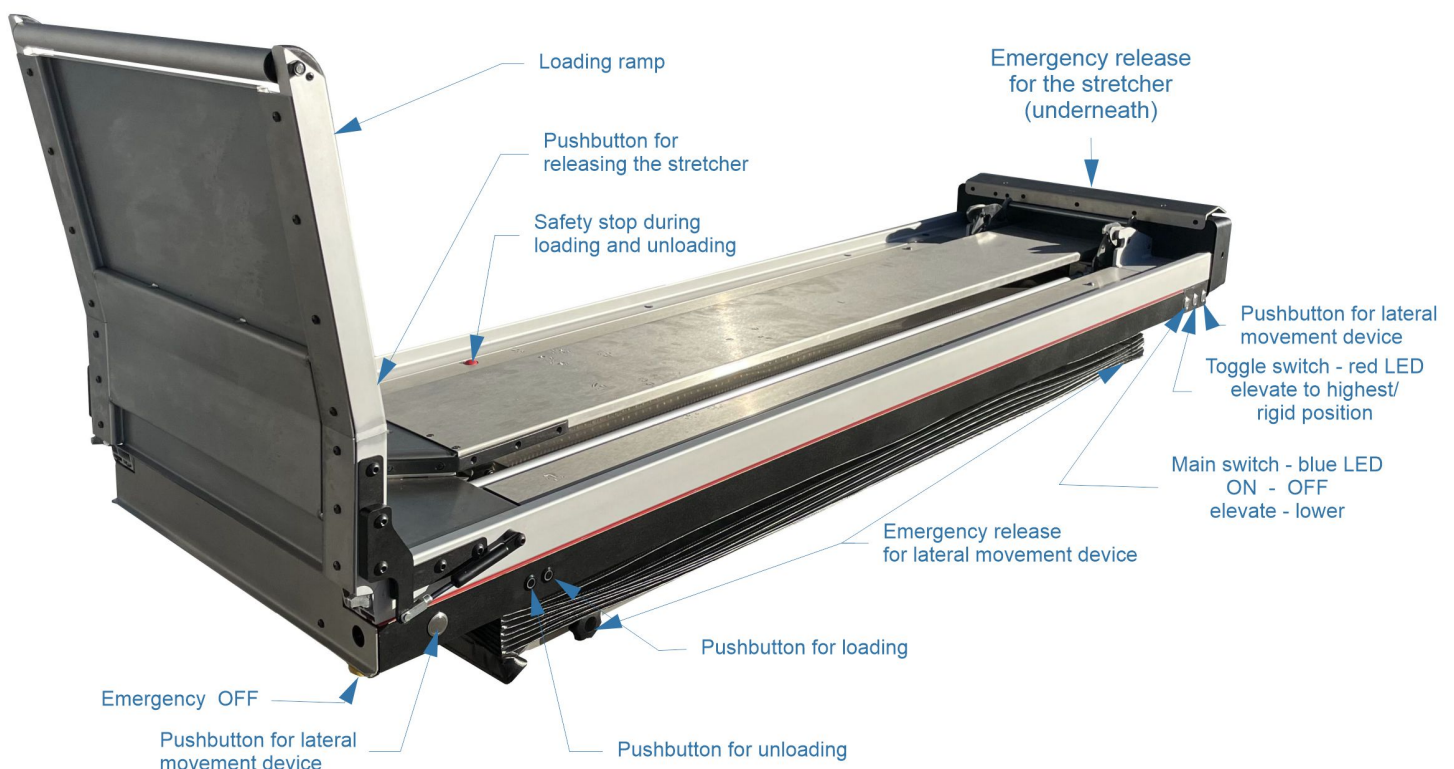
When the Hoverboard Ribase is switched on with the main switch, the Hoverboard automatically adjusts to the patient's weight and rises to the level for optimal suspension comfort; the switch lights up blue. Pressing it again switches the Hoverboard off and it lowers to the lowest position.

The switch for the reanimation position only works when the Hoverboard is switched on.

Pressing the switch raises the Hoverboard to the highest position (reanimation - rigid), the switch lights up red.

Pressing the switch again returns the Hoverboard to suspended mode.

The two silver release buttons for unlocking or locking the pneumatic lateral movement device work even when the Hoverboard is switched off.



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4.2 Loading the MONDIAL stretcher

IMPORTANT:

The retraction mechanism needs a lot of power and therefore requires high amperage. It only works if the auxiliary battery is strong enough and fully charged.

Otherwise the retraction mechanism will malfunction. Therefore, make sure that sufficient current can be drawn, e.g. by starting or running the engine.

Fold down the loading ramp. When folded down, the carriage must be located at the foot end of the Hoverboard. If not, move the carriage to the correct position.

- Drive the MONDIAL stretcher with the head end up to the Hoverboard Ribase stretcher.
- The carriage must be located at the foot end of the Hoverboard. If not, move the carriage to the correct position. Pressing the rear button moves the carriage towards the foot end or unloads the stretcher. Pressing the front key moves the carriage in the direction of the head end or loads the stretcher.
- Slide the MONDIAL stretcher onto the Hoverboard until the stretcher's locking axle engages and is secured in the stretcher lock of the carriage (Fig. 4.5).
- Check that the stretcher is properly locked in place by the stretcher lock of the carriage.
- Press the pushbutton to load or retract the stretcher.
- When the loading wheels of the stretcher reach the red button of the safety stop switch, it is triggered and interrupts the loading process (Fig. 4.7).
- This interruption serves to check the proper procedure of loading. Check the correct alignment of the stretcher and whether the rear chassis legs are ready to fold in during loading.
- After this check, press the front button 2x briefly for further loading of the stretcher.
- The carriage now brings the stretcher into the correct position and stops automatically when the fixed position at the head end is reached.
- Finally fold up the loading ramp.
- Once the stretcher is fully retracted, the Hoverboard automatically adjusts to the patient's weight and rises to the level for optimal suspension comfort.



Approach stretcher

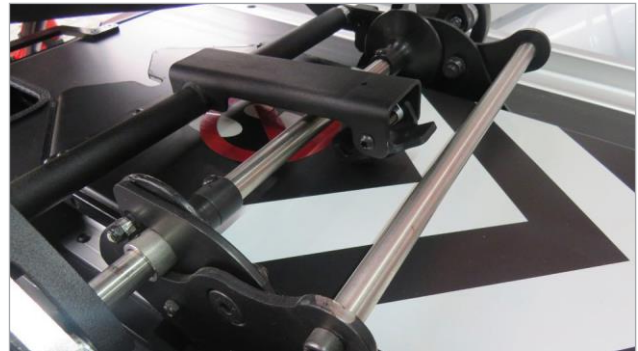


Fig. 4.5 Push in the stretcher until it is secured by the carriage lock.



Let the stretcher retract



Fig. 4.7 Red safety stop switch



Let the stretcher retract further



Completely loaded stretcher

4.3 Pneumatic lateral movement device

There are two release buttons for the lateral movement device.

One button at the foot end and one button at the head end. Pressing one of those release buttons unlocks the pneumatic lateral movement device. As long as the button remains pressed, you can move the Hoverboard sideways in 8 positions of 32 mm each.



Silver release button for the pneumatic lateral movement device at the head end.



Pneumatic lateral movement device

WARNING

The lateral movement device must only be unlocked when the vehicle is stationary, because uncontrolled movements may occur when cornering.

Likewise, the Hoverboard will move due to its own weight when unlocked with the vehicle at an angle.

Loading and unloading the stretcher always requires 2 trained operators!

One to steer and push the stretcher and a second to operate the buttons and monitor the engagement and disengagement of the stretcher legs.

Untrained operators may cause injury or be injured. Allow only trained operators to operate the product.

4.4 Unloading the MONDIAL stretcher

- Fold down the loading ramp.
When folded down, the ramp protrudes from the vehicle, but does not touch the vehicle floor.
- Press the release button (picture below) for at least 1 second.
Don't be scared - the carriage moves back with the locked stretcher only a few centimeters.
- When the stretcher is unlocked, the Hoverboard lowers automatically.
- Press the rear of the two blue pushbuttons to unload the stretcher.
- When the loading wheels of the stretcher reach the red safety stop switch, it is triggered and interrupts the unloading process (Fig. 4.7 previous page).
- This interruption serves to check that the unloading process has been carried out correctly. Check the correct alignment of the stretcher and whether the rear legs of the stretcher have a safe touchdown and are locked for unloading.
- After this check, press the rear button 2x briefly for further unloading of the stretcher.
- If the front leg of the stretcher is not properly unfolded and locked when the stretcher rolls out, the safety hook of the stretcher will be intercepted by the safety bracket on the loading ramp (picture below) and the stretcher is secured against falling down.
- If the safety hook of the stretcher is held by the safety bracket, make sure that both legs of the stretcher are extended, safely locked and have a firm footing. Then push the stretcher slightly forward and release the safety hook of the stretcher from the safety bracket at the loading ramp manually.
- Drive the stretcher off the Hoverboard.
- Fold up the loading ramp.



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4.5 Emergency STOP switch

If you want to interrupt the process of loading or unloading, press the EMERGENCY STOP switch. This interrupts the current process and stops the loading mechanism. The power supply is interrupted.

If you then wish to continue the loading or unloading process, turn the EMERGENCY OFF switch slightly clockwise. It jumps back to its original position. Then you can continue the loading or unloading process as usual.



4.6 Manual unloading of the MONDIAL stretcher in case of mechanical failure or power interruption

- Turn off the Hoverboard at the main switch and then press the EMERGENCY OFF switch.
- Fold down the loading ramp.
- Now, one operator pulls the handle of the emergency release at the head end (underneath - picture below) and at the same time the bracket at the upside (picture right side), until the lock of the carriage is released.
- The stretcher can then be carefully pulled out by the second operator.
- Please consider the instructions for unloading the MONDIAL stretcher in the MONDIAL user manual.



WARNING

Two trained operators are required for loading or unloading.

It is not possible to load the stretcher in the event of a mechanical malfunction or power interruption.

Untrained operators may cause injury or be injured. Allow only trained operators to operate the product.

The Hoverboard Ribase is designed for use with the Ferno Mondial Roll-In System only. Prior to use, conversion must be made to the Ferno Mondial Roll-In System by qualified personnel.

- Make absolutely sure that the stretcher legs fold out properly and keep the stretcher under control.
- If the front leg of the stretcher is not properly unfolded and locked when the stretcher rolls out, the safety hook of the stretcher will be intercepted by the safety bracket on the loading ramp (picture below) and the stretcher is secured against falling down.
- If the safety hook of the stretcher is held by the safety bracket, make sure that both legs of the stretcher are extended, safely locked and have a firm footing. Then push the stretcher slightly forward and release the safety hook of the stretcher from the safety bracket at the loading ramp manually.
- Drive the stretcher off the Hoverboard.
- Fold up the loading ramp.

Stretcher locked in the carriage



5 Care and Maintenance

5.1 Manufacturer specifications

Maintenance is divided into inspection, servicing and repair. Regular maintenance is necessary both for the proper functioning of your product and for the safety of the patient and operator. With reference to the applicable standards, the operator or the person appointed by the operator is responsible for compliance with and implementation of the maintenance information specified by the manufacturer.

According to those standards, only persons, companies or facilities may be entrusted with the maintenance of medical products if they have certain expertise, prerequisites and the necessary resources to carry out this task properly.

According to the manufacturer's instructions, this product must:

- Be checked regularly on a monthly basis (functional check), or more frequently in the case of heavy use or extreme loads.

Please note:

Before each use, the user must perform a functional check to ensure that the device is working properly and is in proper condition.

- Inspected, maintained and, if necessary, repaired on a regular, annual basis by authorized personnel.

Document all inspections, maintenance and, if necessary, repairs performed.

A template for a maintenance plan can be found at the end of these operating instructions.

For the function check, use the checklist in these operating instructions.

Minimum intervals Maintenance / Care	before each use	after each use	if required	monthly
Function control	+			+
Disinfection		+		
Cleaning			+	
Lubrication			+	

ATTENTION

According to applicable standards, the user of this device must assure himself of the functionality and proper condition before each use (functional check).

5.2 Cleaning and disinfecting

Clean:

Use water and soap or a mild cleaning agent for cleaning. When doing so, avoid large quantities of liquid and ensure that no liquids get into the interior of the Hoverboard if possible. If this should happen, move the Hoverboard to the highest (rigid) position and carefully loosen the bellows at the top by sliding a round object along between the Velcro fasteners.

Allow the bellows to drop down and all components will be easily accessible. Do not use disinfectants and cleaners containing chlorine, chloroacetic acid, phenolic resins or iodine compounds in this area. These can cause damage to the product.

Disinfect

Wipe all surfaces with disinfectant.

Follow the instructions of the disinfectant manufacturer. It is recommended to check the product for damage during cleaning and disinfection.

ATTENTION

Disinfectants and cleaners containing bleach, chlorine, especially chloroacetic acid, phenolic resins or iodine compounds may damage the product. Take care when using disinfectants and cleaning agents containing these chemicals.

This product must be disinfected by the operator before it is put into operation.

Abrasive cleaners and scrubbing brushes may cause damage to the product. Do not use abrasive cleaners and scrubbing brushes to clean the product.

High-pressure and steam cleaners can damage electrical components, hinges as well as connections, dissolve greases and thus cause corrosion. Be careful when cleaning moving parts, such as knuckles and hinges.

Lack of or incorrect maintenance and care can cause damage to the product, lead to malfunctions and thus to injuries. Only maintain and care for this product as described in these operating instructions.

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5.3 Lubrication

All spots where metal moves on metal require a certain amount of lubrication, which - depending on the use - must be renewed from time to time.

Especially after previous disinfection, the affected areas must be lubricated afterwards.

First free the affected areas from dirt and grease residues. Then apply new lubricant in sufficient quantity. Use non-resinous, commercially available greases. Then operate the products a few times so that the lubricants can reach the right spots. Finally remove excess grease again.

5.4 Function check

The product must be subject to a regular functional check according to the list below.

Check the product for proper condition and functionality using the checklist. Perform all the functions described in these operating instructions with the product. Pay attention to anything that could impair the functionality of the product, e.g. bent or broken parts or other damage.

If there is any damage or only the suspicion of damage, immediately take the product out of operation until the repair has been carried out or the relevant parts have been replaced.

Checklist function control

Function	Check
Does the product still have a valid service life ?	
Is the product within the inspection interval ?	
Ribase	
Are all parts complete and in the right position ?	
Does the stretcher support show no signs of premature wear ?	
Can all moving parts be moved easily and smoothly ?	
Do the electrical switches work properly ?	
Can the stretcher be loaded and unloaded properly ?	
Does the stretcher lock work properly ?	
Does the emergency OFF switch work properly ?	
Is the Hoverboard properly installed and securely fastened ?	



WARNING

Improper maintenance and spare parts can lead to injuries.
Only perform maintenance measures as described in these operating instructions.

ATTENTION

According to applicable standards, the user of this device must assure himself of the functionality and proper condition before each use (functional check).

6 Spare parts

On the following pages you will find all available spare parts with part numbers.

To order spare parts, please contact your product consultant or our service partner directly.



WARNING

Incorrect or replication parts can lead to injuries.

Spare parts



010 Emergency stop switch complete



71020 Pushbutton IN-OUT illuminated blue



71030 Limit switch with roller bracket



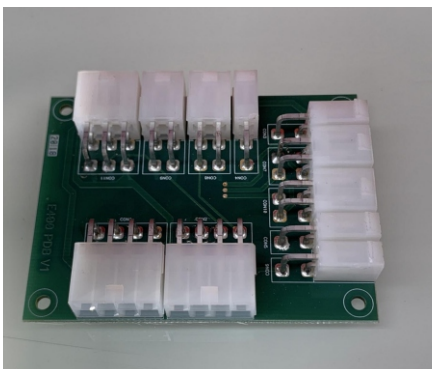
1031 Limit switch with red button



71040 Retracting motor



71050 Electronic control unit



051 Distributor board

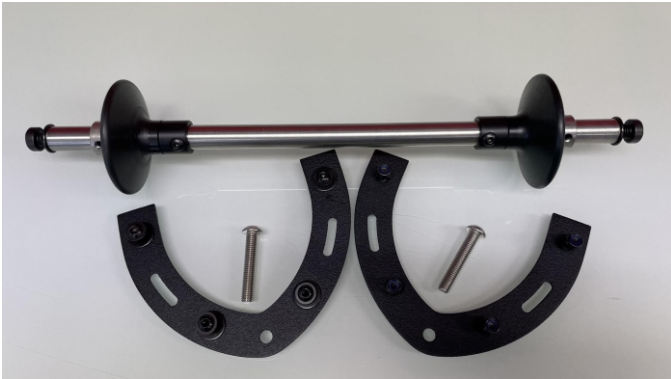


71052 Fuse board



52051 Locking hook

Spare parts



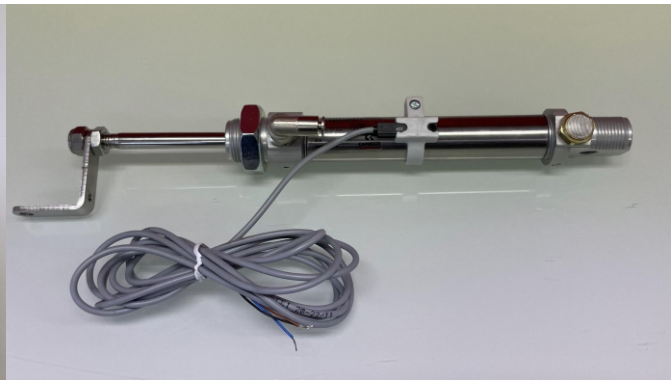
62210 Reinforcement front axle for Mondial
62211 Reinforcement for middle wheels



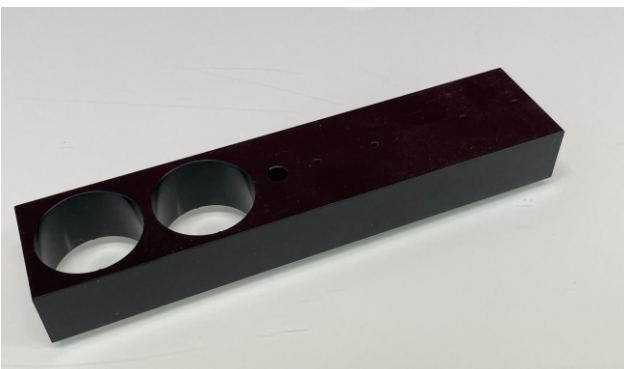
33080 Bowden cable for emergency release,
complete



62020 Ramp bracket set reinforced, complete
33021 Brass bushing



62010 Pneumatic cylinder for
unlocking the stretcher,
incl. reed sensor



52030 Vehicle interface adapter

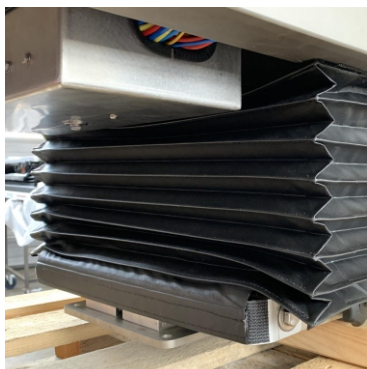


30302 Shock
absorber

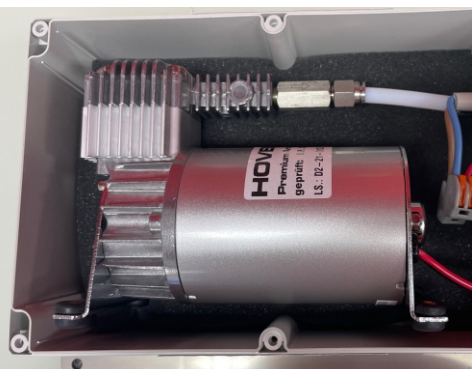


31010 Pneumatic cylinder
for unlocking the
lateral movement device

Spare parts



30085 Bellows, textile



30211 Compressor
(without box)



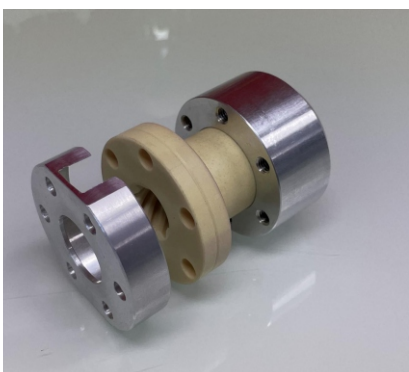
62002 Compressor box external
(without compressor)
62191 Repair kit pressure hose



71100 Loading ramp complete



71110 Stainless steel cover,
with LEDs



71070 Spindle bearing,
reinforced



71080 Flexible coupling



71093 Gas spring for loading ramp
150 N

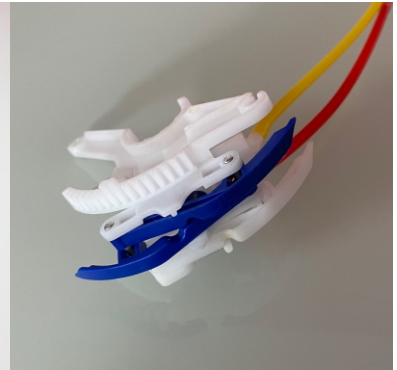
Spare parts



30620 Air suspension, complete



30311 Air cushion



30291 Level control valve



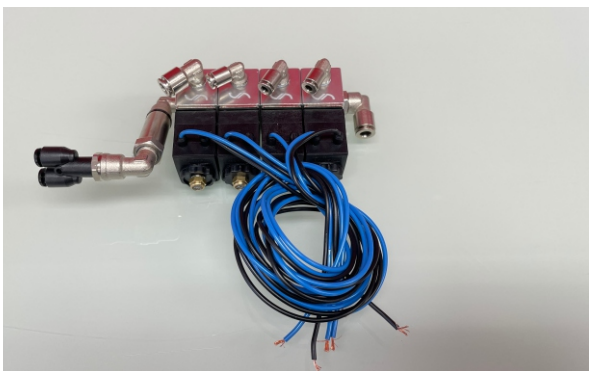
30292 Level control bow



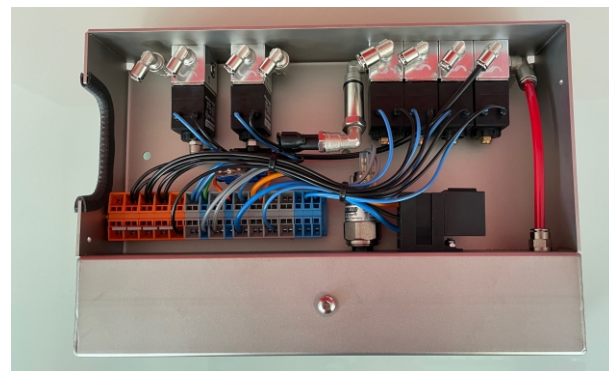
30058 Solenoid valve 1



30059 Solenoid valve 2



34110 Solenoid valve block



52012 Stainless steel tank, empty
62193 Stainless steel tank with valve set and pressure switch, complete

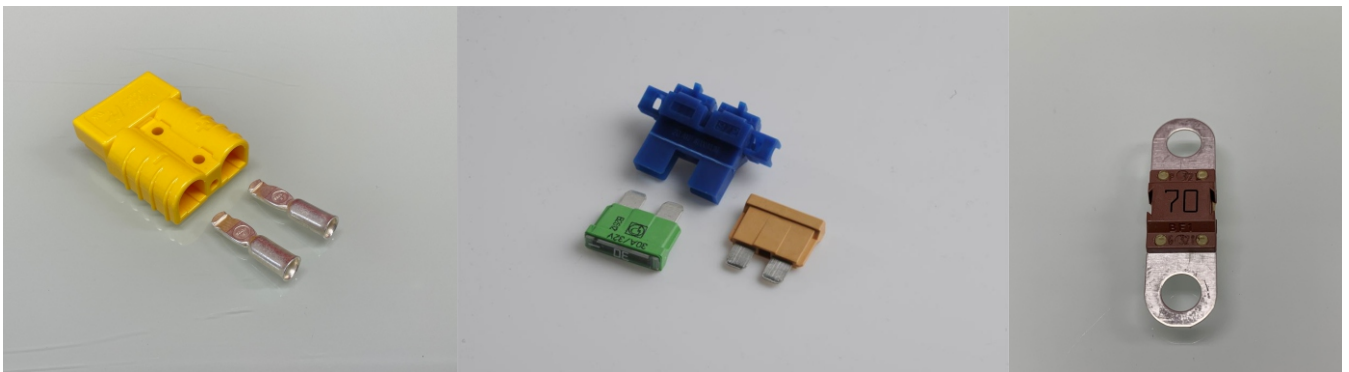
Spare parts



31270 Terminal grey
31272 Terminal blue
31275 Terminal orange

52050 Safety bracket

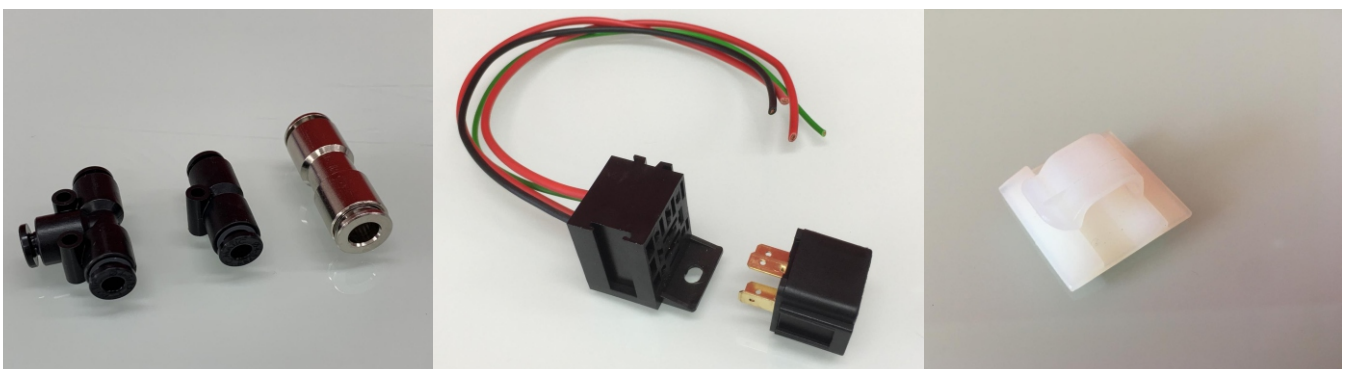
35080 3 pin connector set



35030 Connector for wire 16 mm²

30251 Fuse holder
30253 Fuse 5A

30254 Flat fuse 70A



31020 Quick connector 4-4-4
31021 Quick connector 4-4
31022 Quick connector 6-6

30520 Relay
30530 Relay socket

31283 Cord clip self-adhesive

Spare parts



35010 Main switch,
Power icon blue

35011 Toggle switch,
Arrow icon red

35012 Pushbutton for
Lateral movement device



30244 Pressure hose 4 mm, red
30245 Pressure hose 4 mm, blue
30246 Pressure hose 4 mm, yel.
30240 Pressure hose 6 mm, red

31086 Teflon hose
31080 Thermal
protection hose

30066 Pressure switch



71121 Extension

71120 Crank handle

31040 Knob