

INSTRUCTIONS FOR USE

Maxi Sky 2 PLUS



WARNING

To avoid injuries, always read this *Instructions For Use* and accompanying documents before using the product.



It is mandatory to read the *Instructions For Use*.


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Thank you for purchasing Arjo equipment.

Your Arjo Maxi Sky® 2 Plus ceiling lift is part of a series of quality products designed especially for your health care facility. We are dedicated to serving your needs and providing the best products available along with training that will bring your staff maximum benefit from every Arjo product.

Contact us if you have any questions about the use or maintenance of your Arjo product.

Please read this *Instruction for Use* thoroughly

The information in this manual is crucial to the proper operation and maintenance of the *Maxi Sky 2 Plus*. It will help protect your product as well as ensure that the equipment performs to your satisfaction. Lifting and transferring a person always presents a potential risk. Some of the information in this manual is important for your safety and must be read and understood to help prevent injuries.

If a serious incident occurs in relation to this medical device, affecting the user, or the patient then the user or patient should report the serious incident to the medical device manufacturer or the distributor. In the European Union, the user should also report the serious incident to the Competent Authority in the member state where they are located.

Service and Support

WARNING: The *Maxi Sky 2 Plus* must be installed by Arjo authorized personnel as per the local codes and Arjo's general guidelines.

WARNING: Arjo strongly advises and warns that only parts designated by Arjo should be used on products and other devices supplied by Arjo. Injuries can be caused by the use of inadequate parts.

WARNING: Unauthorized changes on any Arjo product may affect its safety. Arjo will not be held responsible for any accidents, incidents or deficiencies of performance that occur as a result of any unauthorized changes to its products.

A service routine must be performed on your *Maxi Sky 2 Plus* by qualified service personnel. This will ensure the safety and good function of your product. See "Care and Maintenance" section in this manual.

Please contact your local Arjo agent if you need more information, notice any changes in the performance of your ceiling lift, want to report an unexpected event or need any help in setting up, using or maintaining your *Maxi Sky 2 Plus*. The agent can offer comprehensive support and service programs to maximize the long-term reliability, safety and value of the product.

Additional copies of this manual can be provided by your local Arjo agent. When ordering, include the *Instructions For Use* manual, product number 001-31249-XX.

Manufacturer Information

This product was manufactured by:

ArjoHuntleigh AB
Hans Michelsensgatan 10
211 20 Malmö
SWEDEN

Definitions Used in this Manual

WARNING:

Means: Failure to understand and follow this instruction may result in injury to yourself and others.

CAUTION:

Means: Failure to follow this instruction may cause damage to the product(s).

NOTE:

Means: Important information regarding correct use of the product.

Safety Instructions

Intended Use

The *Maxi Sky 2 Plus* is a configuration of *Maxi Sky 2* ceiling lift with a Dual Mode specifically designed for the bariatric population weighing between 159 kg and to 454 kg, with a Body Mass Index (BMI) of above 40. The *Maxi Sky 2 Plus* is designed to assist caregivers in hospitals, nursing homes, long-term care and home care environments, including private homes.

The *Maxi Sky 2 Plus*, in Single Mode, can also be used with non-bariatric patients weighing less than 159 kg.

The *Maxi Sky 2 Plus* is a patient handling device primarily intended to transfer patients of reduced mobility, to reposition them in bed and for limb support. In all cases, the proper sling needs to be selected. It is not intended to transport the patient over any long distances.

The *Maxi Sky 2 Plus* must be operated by trained caregivers as per the instructions found in this manual, with adequate knowledge of the care environment and common patient handling practices and procedures.

WARNING: Caregivers must continuously attend the patient during the usage of the ceiling lift.

WARNING: This product is not intended to be operated by the patient as they might become helpless in the unit in the unlikely case of a failure.

WARNING: The *Maxi Sky 2 Plus* must be only used for the reasons stated above.

Operational Life

The *Maxi Sky 2 Plus* has been designed and tested to a useful life of 10 years or 20,000 cycles (with a load of 1000 lb/454 kg), whichever comes first.

It is subject to preventive maintenance as specified in the "Cleaning the Ceiling Lifts" on page 36.

WARNING: The manufacturer cannot ensure full safety for a lift or an accessory of which the operational life has been exceeded. Wear may cause the breakage of a part and lead to a patient falling.

The expected life for other consumable products, such as batteries, fuses, slings, straps and cords is dependent upon the care and usage of the product concerned. Consumables must be maintained in accordance with published *Instructions For Use* and the *Preventive Maintenance Schedule*.

Important Safety Instructions

WARNING: Arjo warns of possible strangulation risks related to the lifting strap, the hand control cable, the accessories' cable, or the emergency pull cord, and advises to take necessary precautions to prevent these.

CAUTION: Keep all components of the ceiling lift clean and dry. Have electrical and mechanical safety checks done as instructed in the "Care and Maintenance" section to avoid malfunction of the device.

Keep this manual near the ceiling lift and refer to it as required. Make sure that all users are regularly trained in the use of the equipment according to the information found therein.

CAUTION: Do not drop either the ceiling lift or the batteries, as this may cause internal damage. If the lift is suspected to be damaged, contact your local Arjo agent.

All controls and safety features are used only as per the rules specified in this manual. Never attempt to force a control or button on the ceiling lift.

Safe Working Load (SWL)

The "Safe Working Load" of the *Maxi Sky 2 Plus* refers to the maximum lifting capacity of the ceiling lifts.

- SWL using both ceiling lifts (Dual Mode): 454 kg (1000 lb)
- SWL for one individual ceiling lift (Single Mode): 272 kg (600 lb)

WARNING: The *Maxi Sky 2 Plus* is intended to be used for patients whose weight is within a specified safe working load. Do not attempt to lift more than the lowest weight limit indicated on the following:

- the spreader bar;
- the accessories;
- the sling.

Do not exceed the SWL of any of these elements as this may lead to a patient fall and to injuries.

Battery and Battery Charger Safety Practices

CAUTION: Do not expose the battery connectors or the battery charger to water. The charger is designed for dry areas only and for normal air humidity conditions.

- Only use the charger that has been supplied with the product.
- Do not charge the batteries in an unventilated area.
- The charger must not be covered or exposed to dust.
- Do not crush, puncture, open, dismantle or otherwise mechanically interfere with the batteries.
- Do not store ceiling lift at a temperature higher than 70°C (158°F).
- Stop using battery if any damage or deformation is noted. Inform technical service before further use.

Shock Prevention

- Do not touch or use a ceiling lift with bare conductors or a damaged power cord. If the power cord is damaged, contact your local Arjo agent immediately.
- Do not attempt to service or repair the ceiling lift, battery or charger. If the unit is malfunctioning, contact your local Arjo agent.

Fire and Explosion Prevention

CAUTION: Do not place or store the battery under direct sunlight or near a heat source.

CAUTION: Do not expose the batteries or battery charger to flames. They might open, causing a chemical leak.

CAUTION: Do not use the charger in the presence of flammable anaesthetic gases. The charger might generate a spark, which could cause an explosion.

- Do not short circuit the battery terminals.
- Do not incinerate the battery.

Human and Environmental Safety Practices

- Should the battery casing crack and cause its contents to come into contact with skin or clothing, rinse immediately with water. If the contents comes in contact with the eyes, rinse immediately with plenty of water and seek medical attention.
- Inhalation of the contents can cause respiratory irritation. Sensitivity to nickel can cause allergic asthma to result. Seek out fresh air and medical attention.
- For recycling and disposal of the batteries, the rules according to the WEEE directive (Waste of Electronic and Electrical Equipment) as well as local laws and regulations must be followed. If not they may explode, leak and cause personal injury. When returning batteries, insulate their terminals with adhesive tape. Otherwise, the residual electricity in used batteries may cause fire or explosion. Figure below shows the symbols for disposal and recycling.

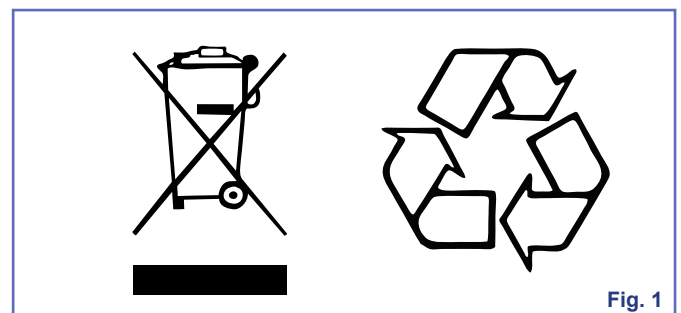


Fig. 1

Product Description

Maxi Sky 2 Plus

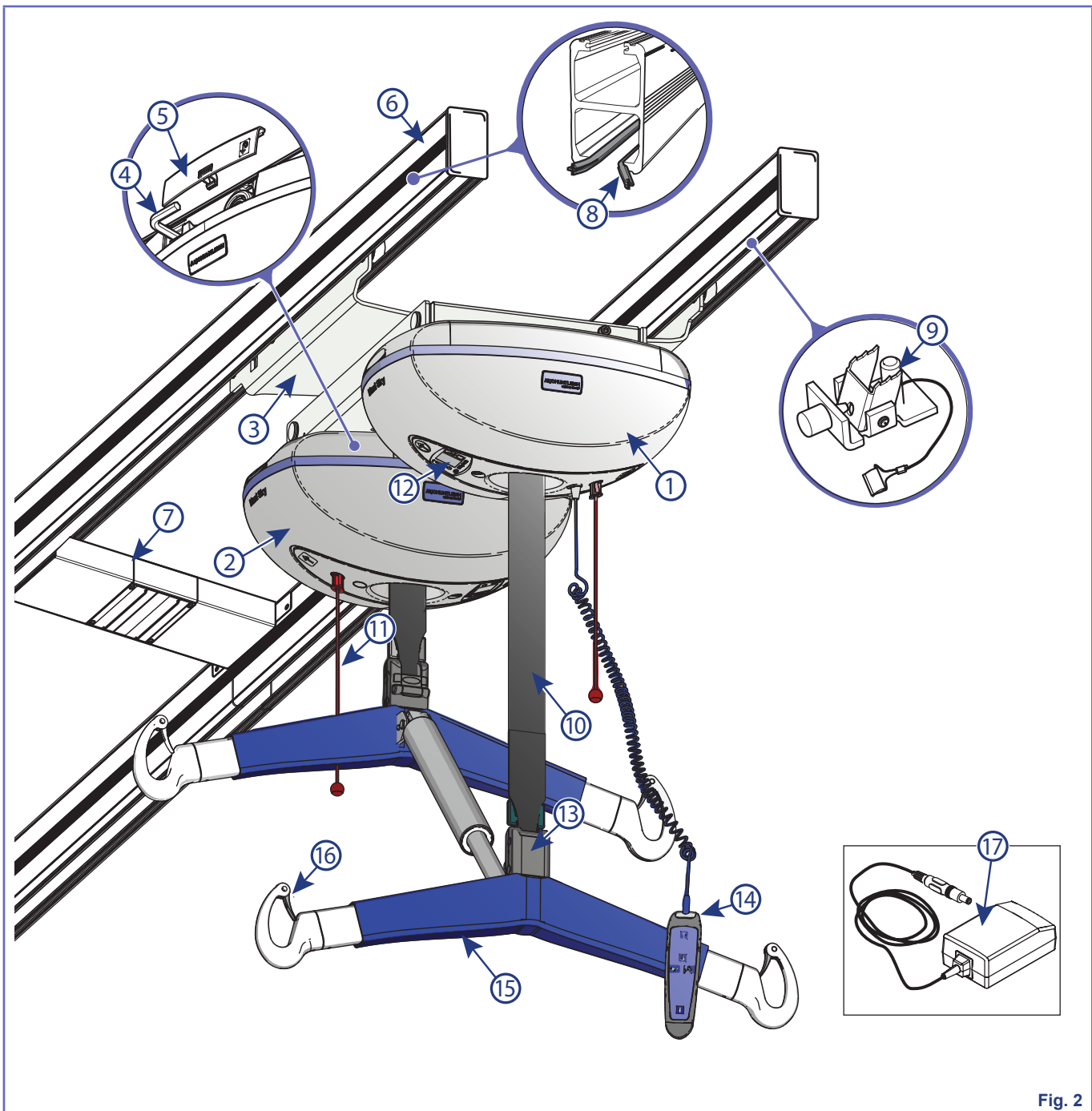


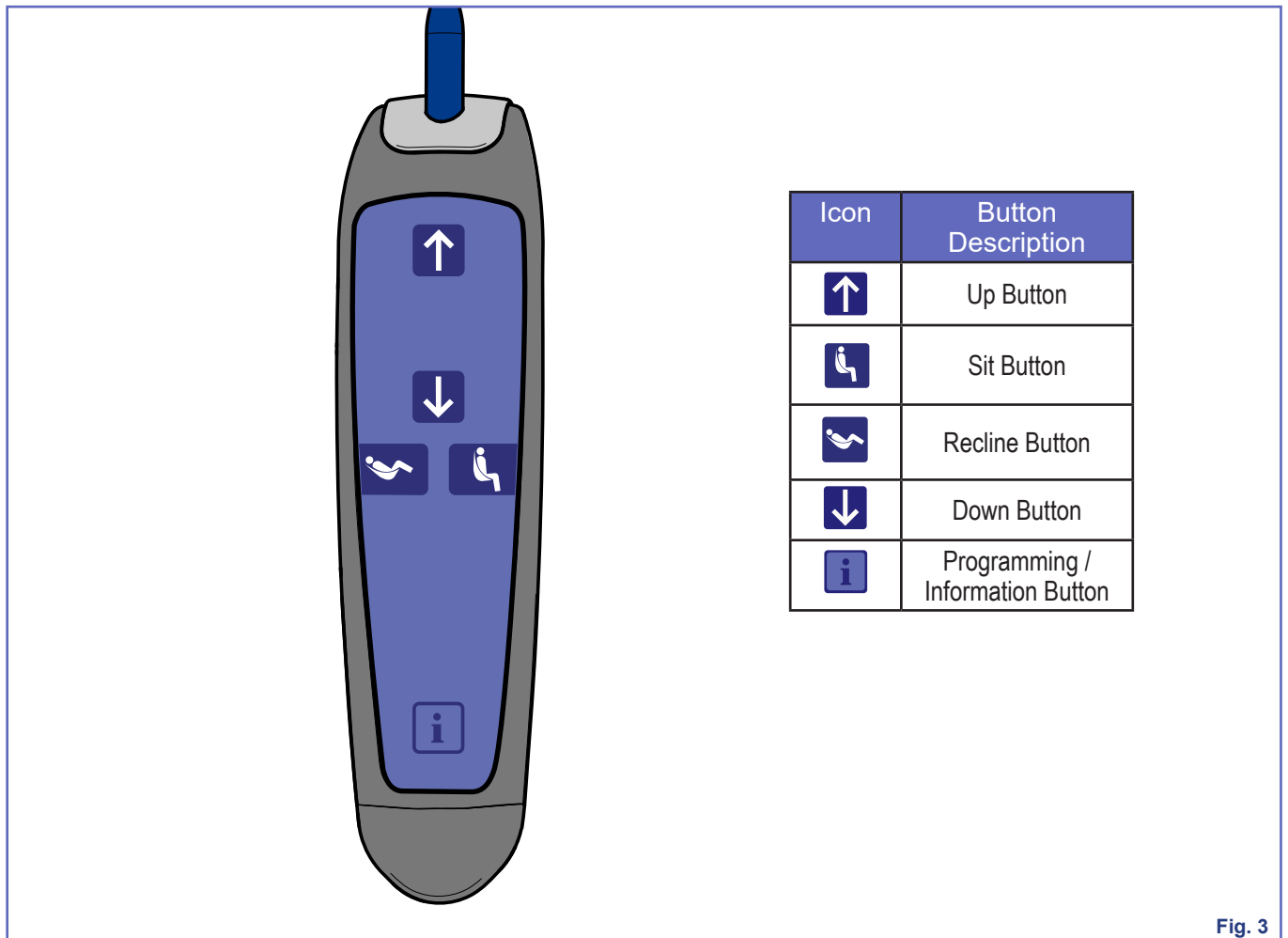
Fig. 2

Legend

① Leading ceiling lift (with hand control)	⑥ KWIKtrak rail	⑪ Red emergency stop cord	⑯ Latch
② Driven ceiling lift	⑦ Charging station*	⑫ Control panel	⑰ Universal charger
③ Trolley	⑧ Enhanced Charging System (ECS) strips*	⑬ Quick connect	
④ Emergency lowering hex key	⑨ KWIKtrak end stopper	⑭ Hand control	
⑤ Access door for emergency lowering mechanism	⑩ Strap	⑮ Spreader bar	

* This system is equipped with either a charging station or the ECS charging system.

Hand Control



See "Controls and Features" on page 11 for additional details.

WARNING: Never let go of the hand control while the cord is extended as this could cause injuries to others. When not in use, clip the hand control on the spreader bar.

Labels and Symbols

General



This symbol is accompanied by the date of manufacture and the address of the manufacturer.



CE marking indicating conformity with European Community harmonised legislation.



This symbol indicates the approval of the Canadian Standards Association.



This symbol indicates the approval of the Technischer Überwachungs-Verein.



This symbol is accompanied by the manufacturer's serial number.



This symbol is accompanied by the manufacturer's catalogue number.



Waste Electrical and Electronic Equipment (WEEE) - do not dispose of this product in general household or commercial waste.



This symbol identifies material that can be recycled.



This symbol indicates a risk of pinching.



This symbol indicates a type BF protection against electrical shock in accordance with IEC60601-1 standard.

IP_{N1N2}

Degree of protection provided by enclosure.

N1: Ingress of particles,
N2: Ingress of water.

SWL

The Safe Working Load represents the maximum load the ceiling lift is rated for safe operation



Unique Device Identifier



These symbols refer to the Instructions for Use.



This symbol locates the manual emergency lowering mechanism on the ceiling lift.



Direct current.



Alternating current.

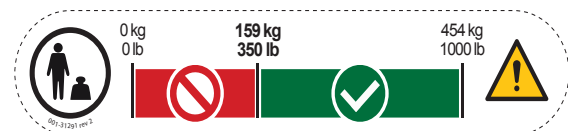


Indicates the product is a Medical Device according to the EU Medical Device Regulation 2017/745.

Spreader Bar



Head/Feet Labels
Instructs the caregiver with the correct installation of the sling to the spreader bar.



Patient Weight Range "Dual Mode"

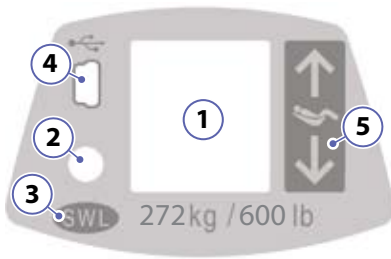
Instructs caregiver not to transfer patient weighing less than 159 kg (350 lb) when in dual mode.

Battery Charger



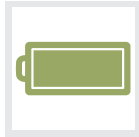
This symbol indicates a class II electrical equipment: term referring to electrical equipment in which protection against electric shock does not rely on basic insulation only.

Control Panel



The control panel regroups several elements intended to provide important information to the user.

- 1) Display
- 2) Status LEDs
- 3) SWL Rating
- 4) The USB access port
- 5) Auxiliary Up-Down buttons



1. Display

- This is the message centre that informs the user of the different statuses of the ceiling lift by means of intuitive icons (see "LCD Display Symbols" on page 8 for details).



2. Status LED

- A solid green LED indicates that the ceiling lift is ready for use.
- A flashing green LED indicated that charging is in progress.
- A red LED is meant to draw the user's attention to a message being displayed on the control panel screen.



3. SWL Rating



- This label indicates the maximum lifting capacity of the ceiling lift.

4. USB Access Port

- The USB port is intended for service technicians only. It allows access to certain functions such as query history data.



5. Auxiliary Up-Down Button

- The  and  buttons are used to complete a transfer if a problem occurs with the hand control during the operation.



Audible Indicator

- The control panel is also equipped with a component that provides a beeping sound to acknowledge commands or to draw the user's attention to a message being displayed on the control panel screen.



Left/Right Labels

- These symbols refer to the hand control's lateral displacement buttons. Not applicable on this product.

LCD Display Symbols

The following is a description of all the symbols that may be presented on the display:



Battery Charge Level

- Several symbols will show a battery at various charge levels. These symbols indicate the status regarding the batteries and/or the regular charging system (see "Battery Information" on page 13 for details).



ECS Indicator

- On units equipped with ECS option, this symbol shows up when the batteries are charging.



Over Duty Cycle

- This symbol flashes when the ceiling lift is used for a long period without allowing it to cool down. This security feature disables the functions (up, sit/recline) that are being used beyond the recommended duty cycle to prevent damage.
- When the overheating protection is engaged, the function that exceeded the duty cycle is disabled while all other functions remain active.
- The red light will stay on during a cooling period. In addition, a single beep will be heard.



General Malfunction (Warning symbol accompanied with a numeric character.)

- This symbol flashes when the ceiling lift encounters a malfunction.
- The ceiling lift needs to be inspected/repared by a qualified service technician.
- The red light will stay on and a single beep will be heard.




Maintenance Required (Wrench symbol accompanied with a letter character.)

- This symbol displays for 7 seconds (accompanied with 2 beeps) when the ceiling lift is waking up from sleep mode and flashes every 5 seconds to draw user's attention.
- Contact your Arjo service centre for maintenance.



Overweight

While ascending:

- This symbol flashes when a transfer is attempted with a load exceeding one or both of the ceiling lifts' capacity.
- The red light will stay on (accompanied with 4 rapid beeps) until the patient is lowered.
- The  function is disabled while all other functions remain active.

While using the patient tilt function (sitting/reclining):

- This symbol flashes when the software detects that a weight shift caused by the tilting of a patient is overloading one of the ceiling lifts beyond its lifting capacity.
- The red light will stay on (accompanied with 4 rapid beeps) until the opposite function is enabled.
- The function (sit or recline) that triggered the overweight symbol will be disabled until the patient is readjusted back toward their previous position.

Powering Up

To turn on the ceiling lifts, push upwards on both "Power On" switches.

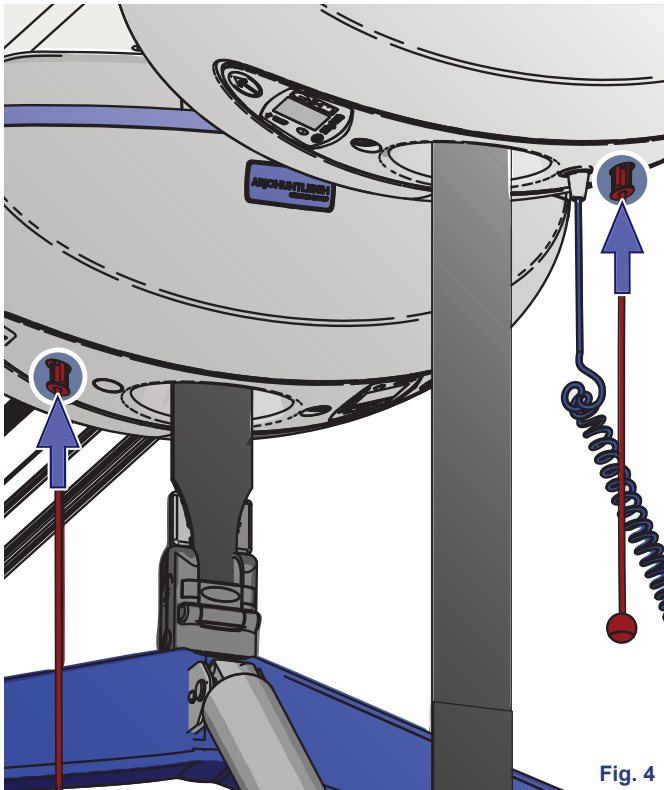


Fig. 4

Actions Before First Use

NOTE: Batteries need to be charged for a minimum of 8 hours prior to the initial use of the lift.

Always ensure that a weight load test has been performed on the track, as per Arjo's instructions.

Actions Before Every Use

Always ensure that:

- The *Maxi Sky 2 Plus* display shows that the battery charge level is within the normal operating range and able to perform a transfer (see "Battery Information" on page 13).
- The product is being used by trained caregivers.

NOTE: The need for more than one caregiver to transfer or reposition the patient must be assessed in each individual case. Arjo recommends that two or more caregivers be involved when performing transfers with bariatric patients.

WARNING: Prior to any type of patient handling, a clinical assessment to determine the patient's suitability must be carried out by a qualified health professional according to the following criteria:

- Weight
- Mobility level (including head and body stability)
- Medical conditions
- Ability to understand and respond to instructions

Among other things, the transfer may induce substantial pressure on the patient's body that can degrade the patient's health condition.

- Special consideration is taken when transferring a patient who is connected to electrodes, catheters, or other medical devices.

WARNING: Before transferring a patient, make sure there are no obstacles in the transfer path or injuries could occur.

- The sling has been inspected.
- The lifting procedures found in this manual will be followed.
- The daily maintenance has been carried out before using the ceiling lift and that attention has been paid to the following elements:
 - ◆ The straps were inspected for wear, discoloration or loose threads.
 - ◆ All sling parts (attachments, fabric, stitch areas and straps) have been inspected for signs of wear, discoloration, deterioration or loose threads.
 - ◆ The spreader bar has been inspected for damage or cracks, that all attachments are properly secured, and that all the quick connect's components (cover and latch) are present.
- An inspection for evidence of external damage, missing parts or broken panels has been carried out.
- Make sure all end stoppers and end caps are present in the track.

WARNING: Ensure that there is no objects in the path of the straps. This could damage or cut the straps, causing a patient to fall.

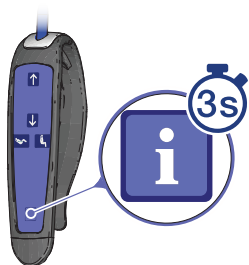
Customizing

With the *Maxi Sky 2 Plus*, a trained user can customize certain parameters to optimize its interaction with the environment in which it is installed using the hand control.

Entering Customizing Mode

To enter customizing mode, press and hold the **i** button for three seconds.

When the display shows the programming menu, press the **↓** button to select "customizing" then press the **i** button to enter customizing mode.



NOTE: While parameters *motor speed*, *RTC/RTH*, *PPP function* and *Detection time* are found in the menu, customizing them will have no impact since these functionalities have been disabled within the *Maxi Sky 2 Plus*.

The display will show the first parameter with its actual setting (see Fig. 5).

Use the **↓** and **↑** buttons to navigate through the menu.

When a relevant parameter option needs to be changed, press the **i** button to enter the customizing mode, then use the **↓** or **↑** button to select an option (next/previous) or to set (increase/decrease) numeric values.

Once the parameter is set to the desired option, press the **i** button to accept the selection. You will hear a short beep and the ceiling lift will return to the customizing menu.

The customized parameter will be set in both the leading and driven ceiling lifts. For example, if the *Ready state* setting is changed from 10.5 to 15 minutes, both ceiling lifts will adopt the changes simultaneously.

To exit customizing mode, select "back" and press the **i** button or wait for 60 seconds without pressing any button.

Programmable Parameters

The following table lists parameters that can be set to fit your needs.

PARAMETER	DESCRIPTION	SETTINGS (DEFAULT IN BOLD)
Ready state	Ceiling lift resting duration before entering sleep mode	1 to 20 min. (10.5 min.)
Hoist LED	Enabling/Disabling* green LED	disable, enable
Date/time	Actual date/time	Depends on value set at initial start-up (11-01-01 00:00)
Dual/Single Mode	Switching between modes	dual, single
Back	Exit Customizing mode	

* Red signals always remain enabled

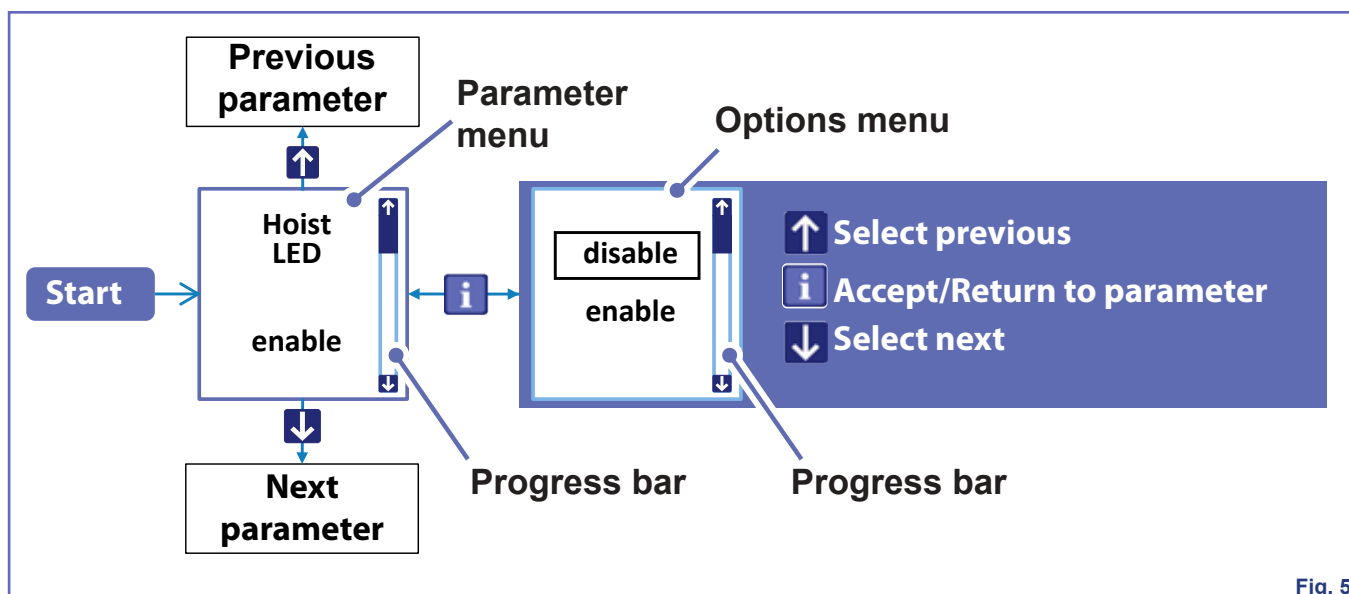


Fig. 5

How to Use the Maxi Sky 2 Plus

Controls and Features

Dual and Single Modes

The *Maxi Sky 2 Plus* is a configurable ceiling lift that can be set by the user to operate either in Dual or Single Mode.

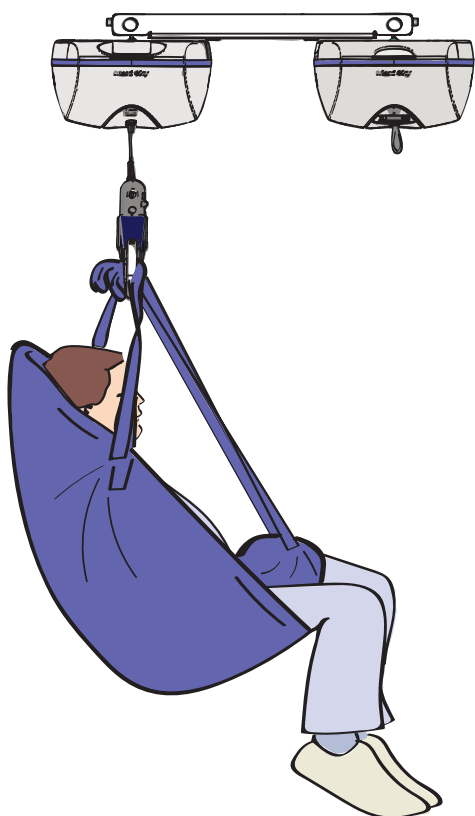
Dual Mode is intended for the bariatric population, whereas Single Mode is intended for non-bariatric patients.

Further sections of this manual will provide instructions on how to use the *Maxi Sky 2 Plus* in each of these modes and how to switch between them.

The decision whether to use Single Mode or Dual Mode is based on the patient's weight.

Patient weighing up to 159 kg (350 lb):

Single Mode



Patient weighing from 159 to 454 kg (350 - 1000 lb):

Dual Mode

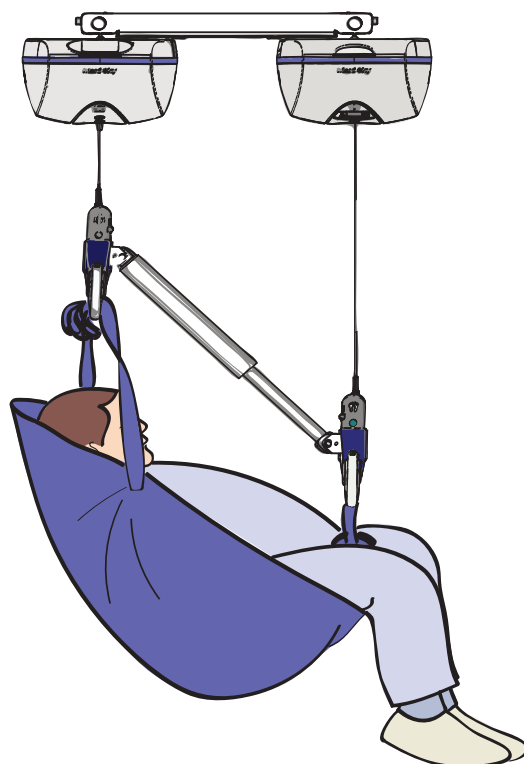


Fig. 6

WARNING: Do not use the *Maxi Sky 2 Plus* in Dual Mode with a patient weighing less than 159 kg (350 lb). This may result in a patient falling resulting in injuries.

Sleep Mode General Instructions

The ceiling lifts turn their displays off to save energy whenever they are not being used for more than the amount of time configured in the parameters (refer to "Ready state" parameter in the table on page 10). Therefore, the ceiling lifts need not be turned off after every use.

The green LED remains solid to indicate that the battery charge is above 25% or flashes if the ceiling lift is charging.

The red status LED turns on when the battery charge drops below 25% of their full charge. The ceiling lift will beep twice every 10 seconds when the batteries reach the critical point, that is, less than 5%.

The ceiling lift awakens every 15 minutes to display a low battery message and goes into sleep mode again after 30 seconds. Pressing any button on the hand control will also awaken the ceiling lift.

Usage Monitoring

The ceiling lifts in the *Maxi Sky 2 Plus* are equipped with a maintenance monitor that informs the user when maintenance is necessary, based on the number of transfers, usage history, its pre-programmed regular schedule or due to unexpected malfunctions (refer to "LCD Display Symbols" on page 8).

Required Maintenance

An audible beep and the red LED is used to indicate that a maintenance or malfunction-related message is being presented on the display.




Displaying Usage Data

The ceiling lifts in the *Maxi Sky 2 Plus* also record the number of times they have been used to assist the technician servicing the ceiling lifts.

Accessing Usage Data Using the Button

Momentary pressing the  button will bring the display into "usage history" screens.


Scroll through the screens using the  button.

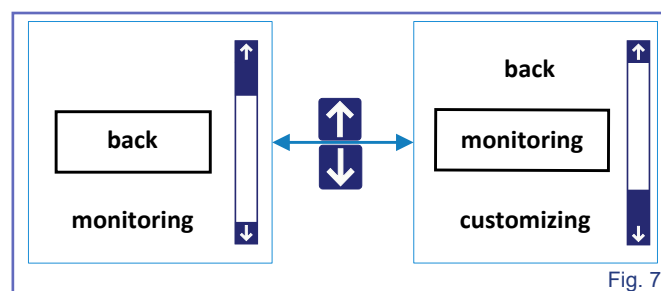
The ceiling lift will exit the data screens when pressing the  button while the "Average Lifts/Day" is displayed. It is also possible to exit the usage history at any time using the  or  button.




The following is a list of information available in this mode:

LABEL	DETAIL
1) Total Lifts	Cumulate lifts since initial start-up
2) Lifts Last Day	Updates at 00:00
3) Lifts Last Week	Sunday to Saturday
4) Average Lifts/Day	Based on last 7 days

Accessing the Usage Data Via the Monitoring Menu

Pressing and holding the  button for 3 seconds will bring the user into a menu screen which requires a confirmation to view the data info (see Fig. 7).




Navigate through the menu using the  or  button, select "monitoring", and press the  button to accept selection.

The following is a list of the information available in this mode.

- | | |
|----------------------|-----------------------|
| 1) Total Lifts | 5) Hours of Use |
| 2) Lifts Last Day | 6) Overweight Lifts |
| 3) Lifts Last Week | 7) Over Duty Cycles |
| 4) Average Lifts/Day | 8) Version / Serial # |

NOTE: Information for items 1 to 4 belong to the leading ceiling lift and is displayed on both ceiling lifts simultaneously. On the other hand, each lift will display items 5 to 8 separately.

To exit any data screen, select "back" then press  to accept.

Emergency Stop with Red Cord

The *Maxi Sky 2 Plus* has an easy and rapidly accessible feature that disables the ceiling lifts completely in the event that an uncontrolled situation would happen.

CAUTION: Do not move the lift by pulling on either of the red emergency stop cords. This could cause a malfunction or damage.

CAUTION: Damage to the ceiling lifts may occur if their emergency cord is pulled with excessive force.

When pulling either one of the red cords:

- Both ceiling lifts will stop all activity and their displays and indicators will shut off as well.
- A small red plunger will come out of the casing.

NOTE: Patients weighing more than 110 kg (240 lb) might descend slowly when the emergency stop is activated. The position of the patient (sitting or reclining) may also change as the patient descends.

To Reactivate the Ceiling Lift

Push up on both red plungers.

The ceiling lift is ready to use when either the battery symbol or the **ECS** icon appears on the display.

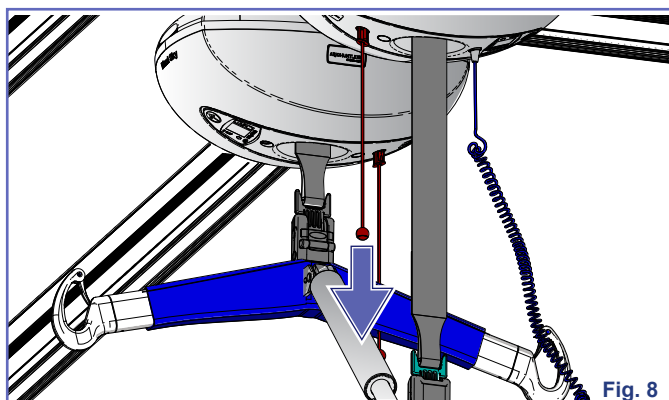
Emergency Lowering Mechanism

In the unlikely event of an abnormal situation (e.g. an electrical failure), the emergency lowering mechanism provides a safe way of getting the patient down onto a chair, bed or wheelchair.

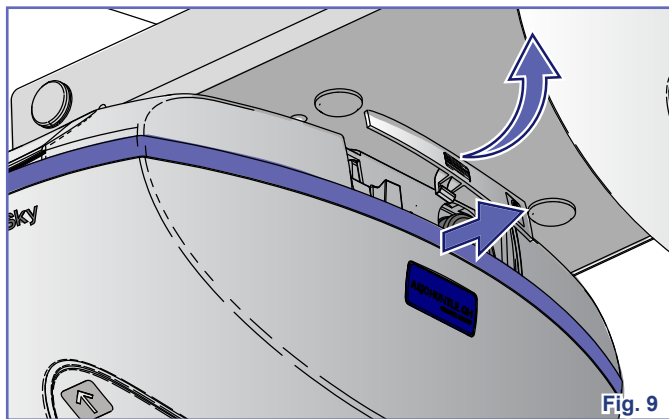
The emergency lowering mechanism should be used only in case of an emergency.

Emergency Lowering Procedure

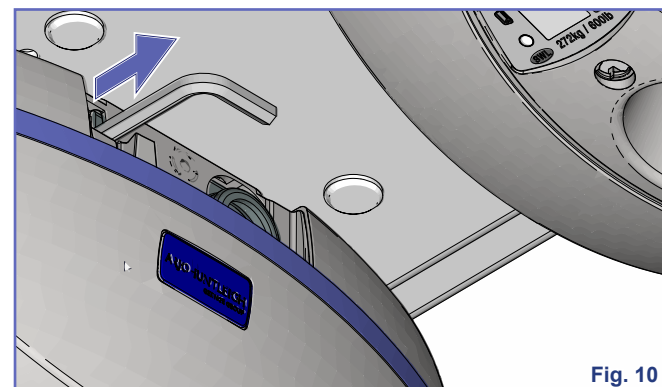
- 1) Pull on either one of the emergency stop cords.



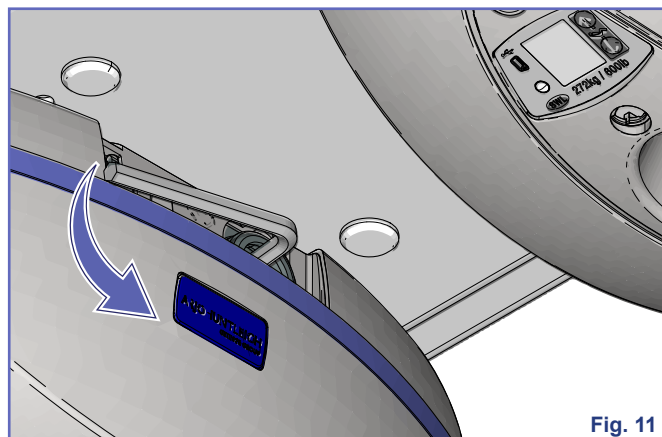
- 2) Open the small doors to gain access to each ceiling lift's lowering mechanism.



- 3) Pull the 8 mm hex keys from their storage compartments.



- 4) Insert the hex key deep into the axle. Turn the hex key counter-clockwise to slowly lower the patient. Do this for both ceiling lifts. Once the patient is lowered and secured within a chair, bed or wheelchair, call a qualified technician to inspect the ceiling lift.



Emergency Brake

In the unlikely event of an abnormal situation (e.g. a mechanical failure), the ceiling lifts are equipped with a brake system that automatically engages to block the descent. In this situation, the emergency lowering mechanism will not be functional. It will be necessary to initiate emergency procedures to release the patient from the ceiling lift.










WARNING: If the emergency brake activates, turn the unit off, apply a warning sign on the lift to prevent any further usage and call your local Arjo agent for an inspection.

Battery Information

The batteries for this device are rechargeable lead-acid batteries. For safe handling and to extend the battery lifetime, please follow the instructions found in this manual. Not following these instructions can cause short battery life and may, in extreme cases, put the user at risk.

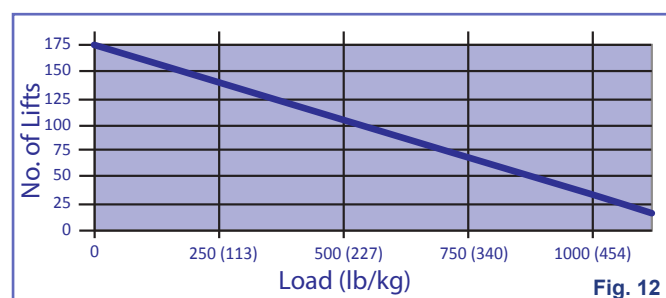
Battery life depends on many factors. These are: frequency of use, frequency of charging, temperature of operation, storage and storage time.

Using lead-acid batteries below 5% charge can damage the battery resulting in shorter battery life. The 5% charge is indicated by the critical battery level symbol flashing on the display. At this time, the ceiling lift will allow only the down function. Make sure to recharge the batteries as soon as possible. Let the batteries recharge for a complete charging cycle.

DISPLAY	BATTERY CHARGE	REMARKS
	100%	Fully charged
	75%	Normal operating range
	50%	
	25%	Low—Accompanied with a short beep when one of the following button is pressed:    
	< 5%	Critical—Icons alternate accompanied with two short beeps every 10 seconds

The graph in Fig. 12 illustrates the relationship between the number of lifts that can be performed with the *Maxi Sky 2 Plus* before reaching the battery's critical level, versus the load being lifted.

Note that battery depletion rates may differ between each ceiling lift in the *Maxi Sky 2 Plus*.



Charging the Batteries

The *Maxi Sky 2 Plus* is equipped with two universal AC voltage chargers; one per ceiling lift.

Regular Charging System

The chargers feed a charging station located between the tracks. It transfers power to the *Maxi Sky 2 Plus* for the recharging of the batteries.

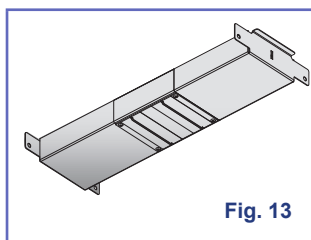


Fig. 13

WARNING: Do not operate the charging station with a damaged cord or if the station has been dropped or damaged. Do not bend the power cord by force, or place a heavy object on it, since it could damage the cord and may cause fire or electrical shock.

NOTE: When underneath the charging station, the lift can be operated at any time. Operating the lift will automatically stop the charging process.

To initiate battery charging, move the ceiling lift under the charging station.

Check the LED to confirm that batteries are charging properly.

- The LED will flash green for a fixed period of 8 hours.
- The display will cycle through charge level icons according to actual battery charge level to show the charging progress.

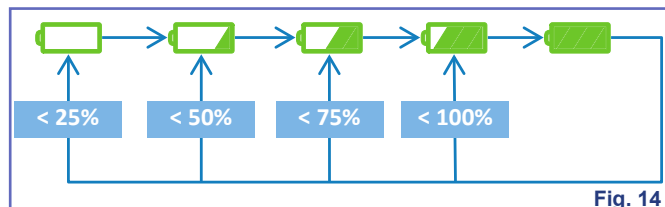


Fig. 14

If the batteries have been completely drained it could take up to 8 hours to completely recharge them.

ECS Charging System

The *Maxi Sky 2 Plus* is also compatible for use with the KWIKtrak Enhanced Charging System (ECS). This track system allows the ceiling lift to benefit from continuous charging wherever it is on the track.

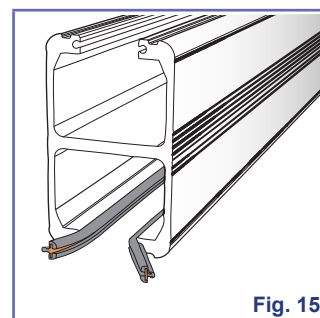


Fig. 15

Systems equipped with ECS will display the

 icon when batteries are charging.

The LED will flash green for a fixed period of 8 hours. After that time period, the device will initiate another 8-hour charging period if the batteries are still below 80%. Otherwise, the LED will become solid.

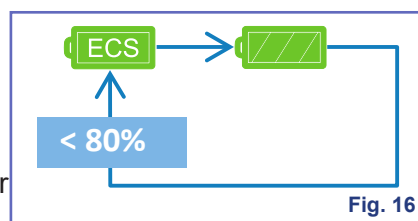


Fig. 16

If a function is activated during the charging process, the ECS icon will disappear and the flashing green LED will become solid. Once the function button is released, and if the battery charge level is still below 80%, the device will attempt to reconnect to the ECS system after approximately 20 seconds.



If the ECS system is not supplying voltage due to a system fault or power failure, the display will show the actual battery level as it would for a non-ECS system. If the battery charge level is below 80%, the ceiling lift will try reconnecting to the ECS system with three attempts at 15-minute intervals.

Operating the Maxi Sky 2 Plus in Dual Mode

Movement Controls


Operating the *Maxi Sky 2 Plus* is achieved with the aid of the command buttons on the hand control.

Vertical Movement

- The  and  buttons are used to raise or lower the patient. When either button is pressed, both straps on the *Maxi Sky 2 Plus* will move together.

NOTE: Although the ascending and descending speeds are synchronized by software, a number of factors may cause the two spreader bars to move at slightly different speeds, which in turn may cause minor changes in the patient's final position. Readjust as necessary.



- The raising and lowering functions accelerate gradually to prevent any abrupt movements when the button is initially pressed, and remain active for as long as the button remains pressed.
- The movement decelerates gradually to prevent any abrupt movement when the button is released.


NOTE: If the  button is continuously pressed, the ceiling lifts in the *Maxi Sky 2 Plus* will each reach their highest raising limits, but at different times. This will produce a tilting motion that will cause the patient's position to shift.


Horizontal Movement and Rotation

Horizontal movement, as well as rotating the patient, with the *Maxi Sky 2 Plus* is achieved by manually pulling or pushing the lift to the desired location (see Fig. 17).

Maxi Sky 2 Plus Patient Tilt Function

The *Maxi Sky 2 Plus* is equipped with a patient tilt function. The hand control features the  and  buttons, which allows for the positioning of the patient in the upright or reclined position according to the transfer starting and/or destination position.

 Press and hold to tilt patient to a reclined position.

 Press and hold to bring patient up to sitting position.

The *Maxi Sky 2 Plus* will activate only the leading ceiling lift when adjusting the patient's position. Therefore, no matter which one of the patient positioning buttons are pressed, only the "foot-end" spreader bar will rise or lower accordingly. The travel of this spreader bar is limited by software to 350 mm above and below the "head-end" spreader bar.

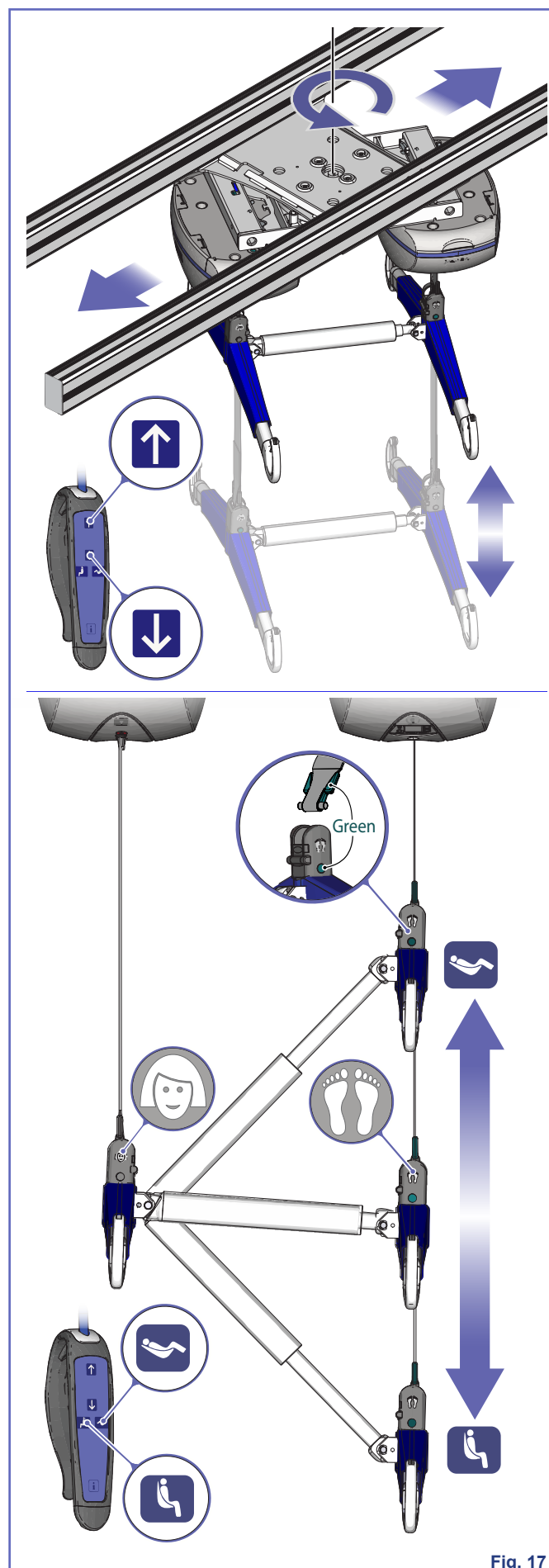




Fig. 17

Using the Auxiliary Buttons

In addition to the  and  buttons on the hand control, the *Maxi Sky 2 Plus* is also equipped with auxiliary buttons on both ceiling lifts that can be used in the event that the hand control malfunctions.

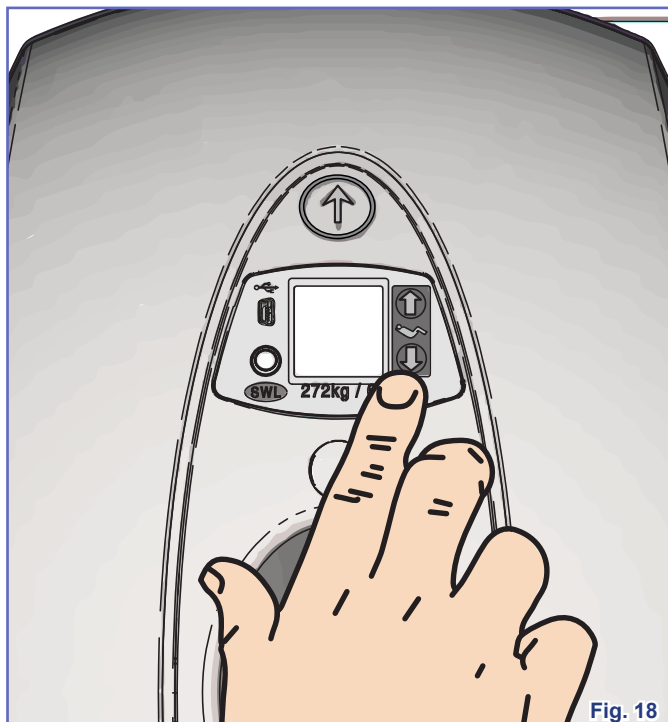


Fig. 18

To raise or lower a patient in the *Maxi Sky 2 Plus*, press both matching buttons (up or down) on both ceiling lifts simultaneously.

Note: When using the auxiliary button, the software no longer limits the travel of the "foot-end" spreader bar.

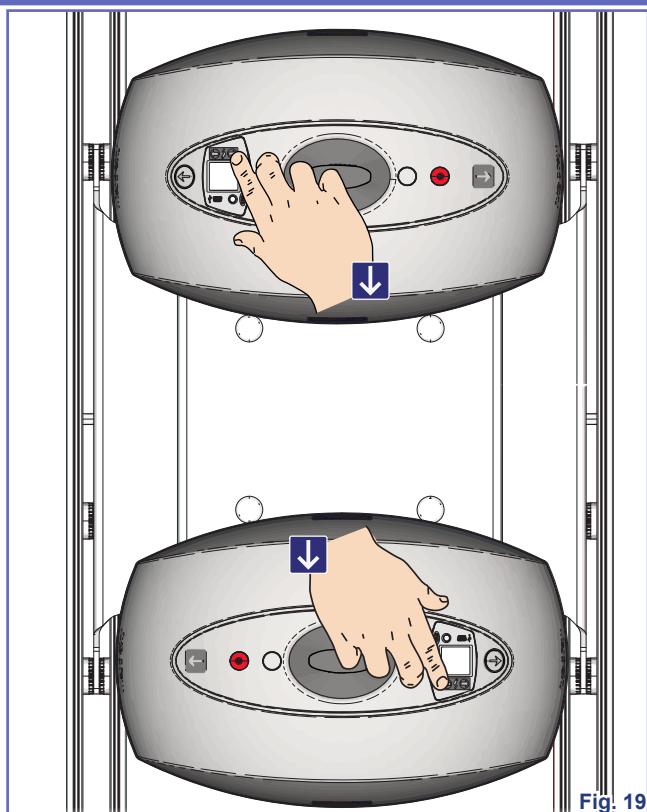


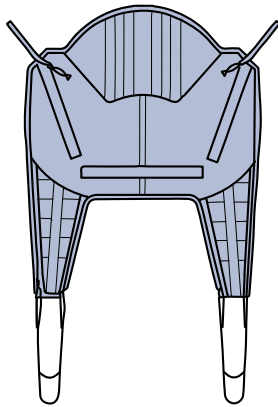
Fig. 19

Loop Sling Applications

The following is a list of all Arjo loop slings that are compatible with the *Maxi Sky 2 Plus* when operating in *Dual Mode*.

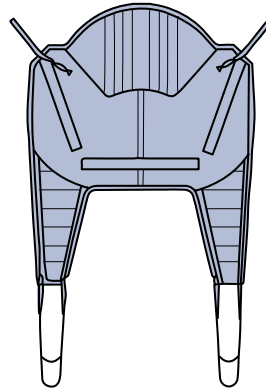
WARNING: Failing to conform to the following directives by using other Arjo sling models—such as MAA8030—to perform seated transfers with the *Maxi Sky 2 Plus* set in *Dual Mode* may lead to hazardous situations in which a patient may slide and fall out of the sling.

General Transfers



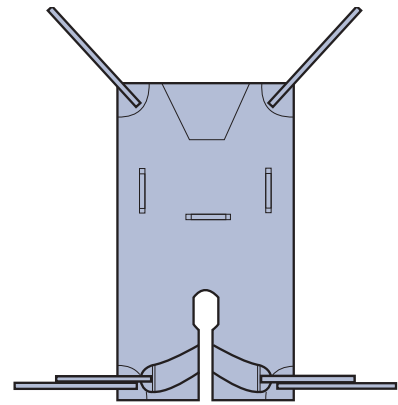
MAA8000

Bariatric Loop Deluxe Padded



MAA8010

Bariatric Loop Basic Padded



MAA8020

Bariatric Loop Deluxe
Divided Leg Hammock

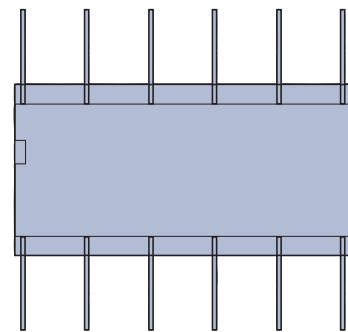
WARNING: Do not use the *Maxi Sky 2 Plus* in *Dual Mode* with a patient weighing less than 159 kg (350 lb). This may result in a patient falling, resulting in injuries.

Limb Support



11002
Bariatric Limb Sling

Bed Repositioning



11004 - Bariatric Repositioning Sling
22004 - Bariatric Disposable Repositioning Sling

Fig. 21

Sling Selection

Most slings are color coded for size by having a different color edge binding or attachment strap coloring:

- Yellow - Medium (M)
- Green - Large (L)
- Blue - Extra Large (XL)
- Terracotta - Extra Extra Large (XXL)

Note that not every sling is available in all sizes. It is always preferable to select a sling that is more close-fitting than one that is overly loose.

NOTE: Only use Arjo slings with the *Maxi Sky 2 Plus*.

Sling Loop Selection

When using *Maxi Sky 2 Plus* in Dual Mode, it is recommended to use the longest loops of the sling (#1 for shoulders, #1 for legs) when attaching the sling to the spreader bar.

If needed, the combinations found in the following table can be used, but it is not crucial, since the patient tilt can be adjusted during the course of the transfer.

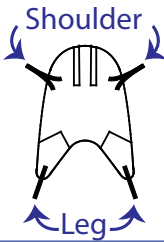




Body Position According to Loop Strap Position Combinations		
	Shoulder	Leg
	3	1
	2	1
	1	1
	1	2

Fig. 22

Attaching the Sling to the Spreader Bar

- Place the attachment loop onto the hook.
- Make sure that the loop is positioned correctly and that the spring-loaded latch is closing the hook.
- Repeat the same procedure for all loops.

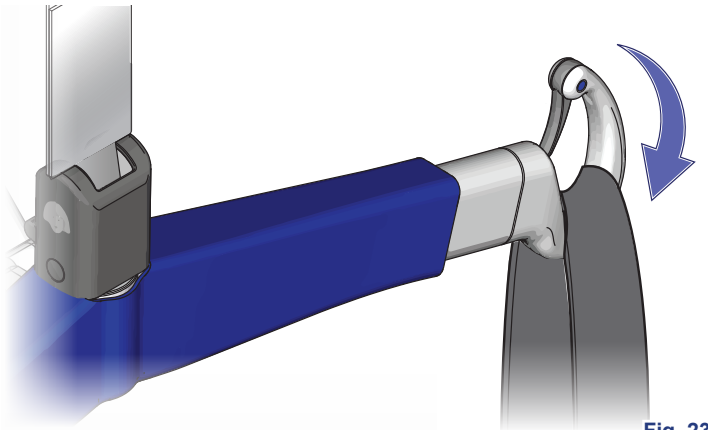


Fig. 23

Detaching the Sling to the Spreader Bar

- Open the spring-loaded latch and remove the loop from the hook.
- Repeat the same procedure for all loops.

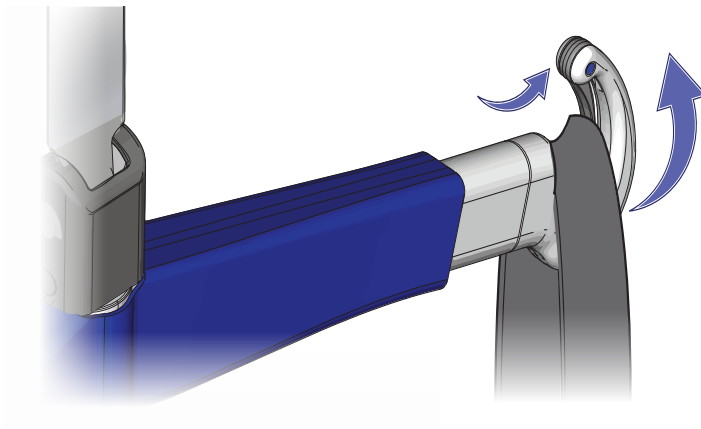
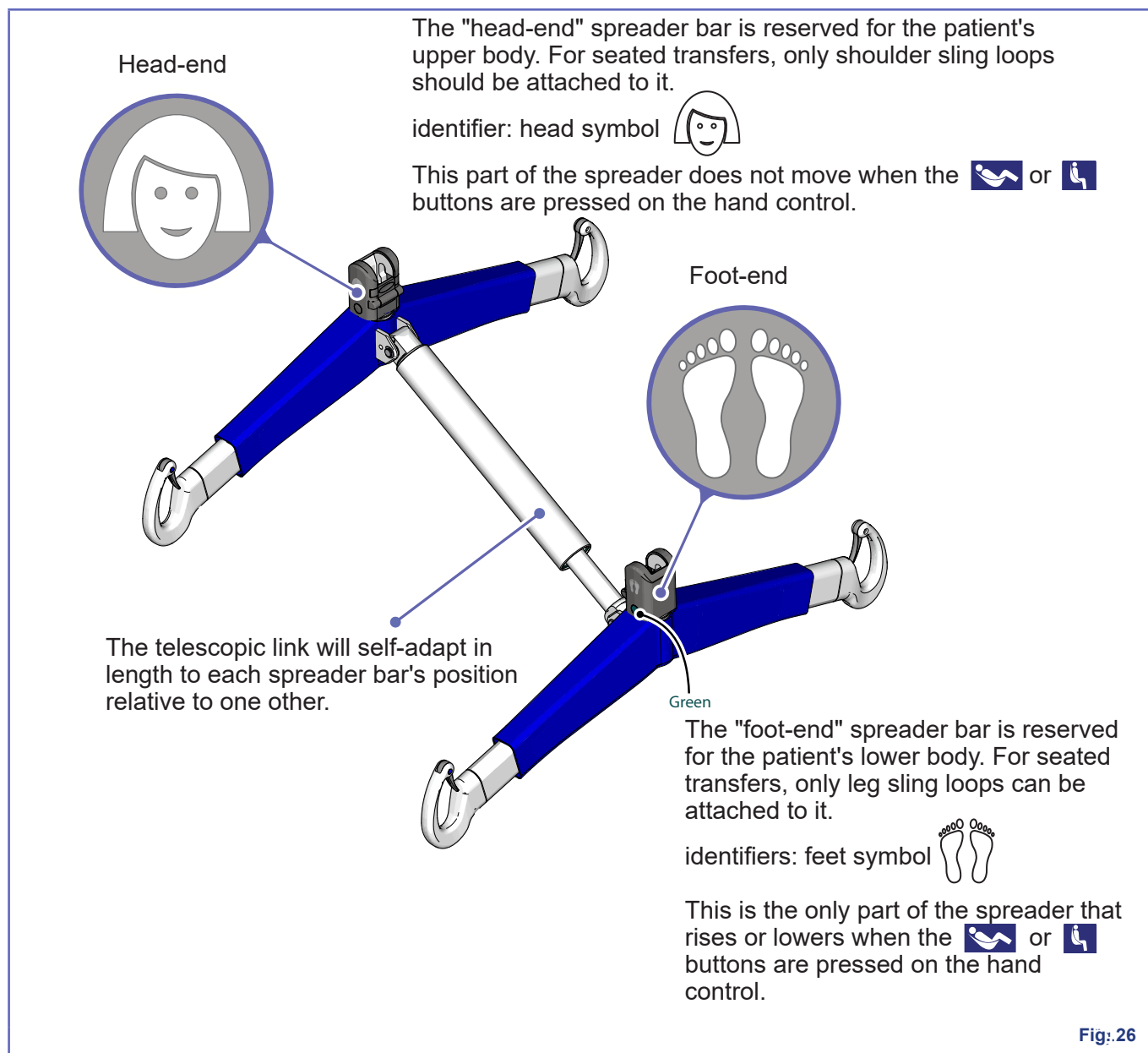


Fig. 24

WARNING: Always hold the spreader bar when near a patient to prevent it from striking the patient.

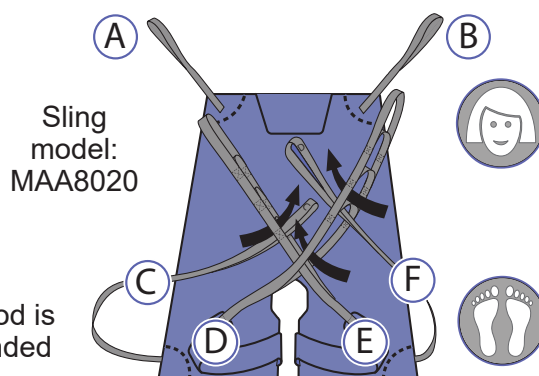
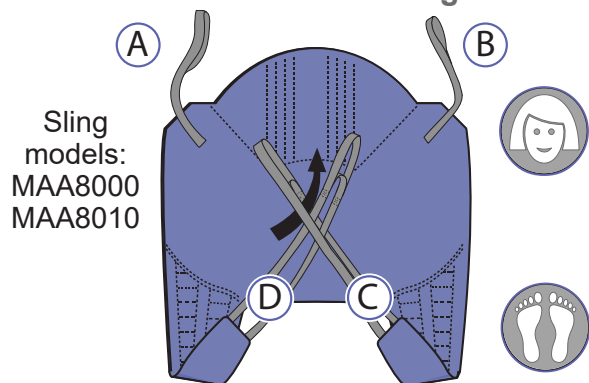
Spreader Bar Description

WARNING: Only the spreader bar shown below must be used to perform seated transfers when the *Maxi Sky 2 Plus* is in Dual Mode. Doing otherwise may lead to injuries.



WARNING: Scale model 700-19490 shall not be used in dual mode as the accuracy of measurement of the patient's weight may not be within the tolerances of a Class III scale.

Method 1 – Cross-through Legs closed with crossing straps



This method is recommended for most general transfers.

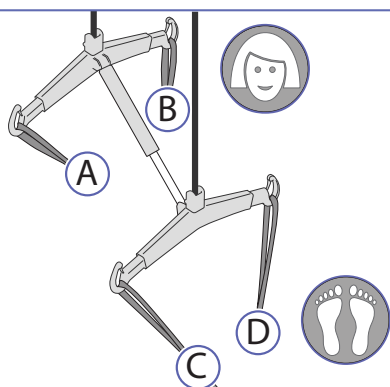


Fig. 27

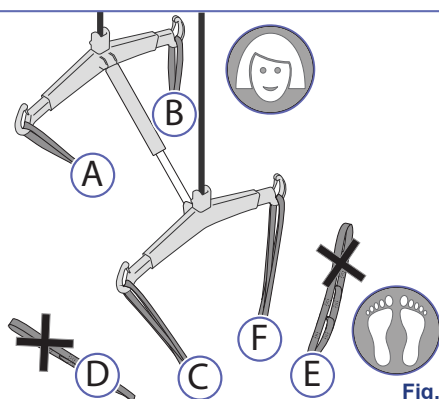
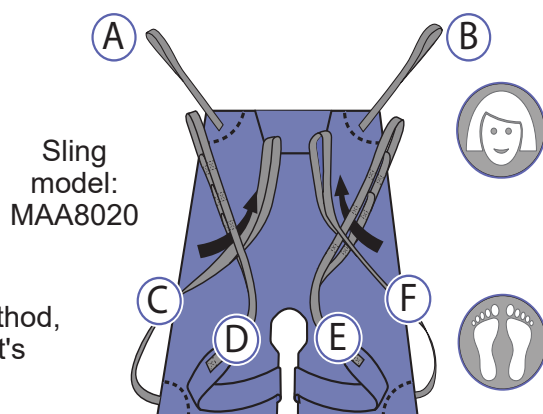
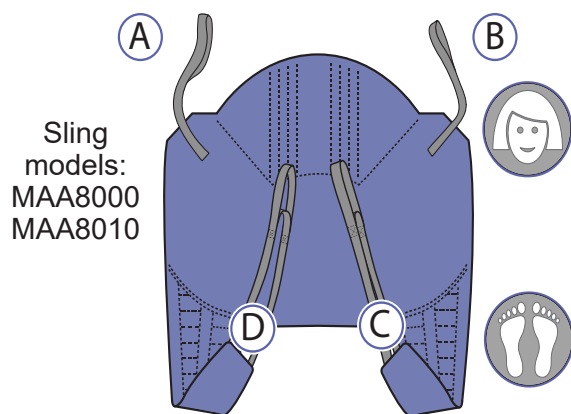


Fig. 28

Method 2 – Abduction (Leg Separation) Legs opened with non-crossing straps



In this method, the patient's legs are separated, which is convenient for toileting and hygiene care.

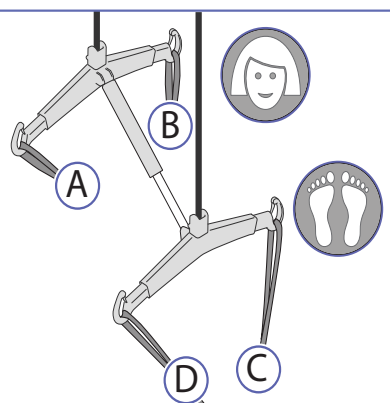


Fig. 29

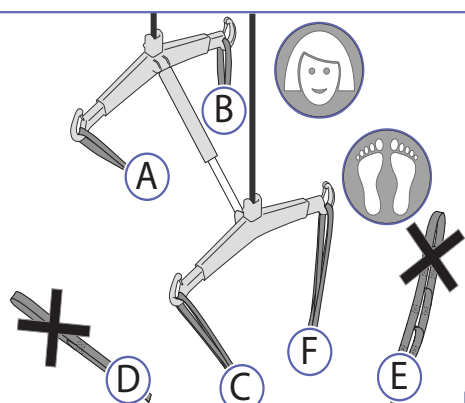


Fig. 30

WARNING: Method 2 might not be suitable for patients with limited upper body control as they can slide down and almost out of the sling or pitch forward when the most seated position is reached.

Transferring from a Seated to a Lying Position

The techniques described here can be used for transferring patients regardless of where they may be seated (e.g. in a bed, in a chair, wheelchair or similar).

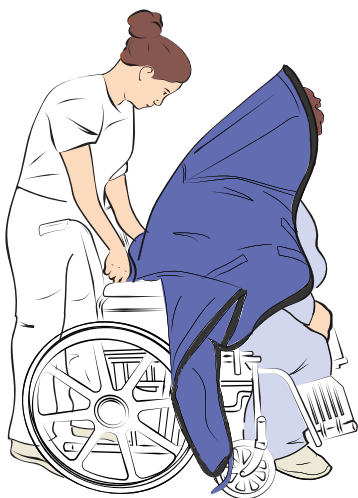


Fig. 31

- 1) Place the sling around the patient so that the base of the sling sits well below the coccyx. A sliding sheet, such as MaxiSlide® or MaxiTube®, can be used to assist with placement of the sling.

When using MAA8000 and MAA8010 slings, ensure that the head support area of the sling is behind the head, covering it. With model MAA8020 sling, the top portion of the sling should end up at the level of the patient's neck.



Fig. 32

- 2) Pull each leg strap under the thigh so that it emerges on the inside of the thigh.

Make sure that the sling well encircles the patient's buttocks to provide better support and to achieve a proper installation, as shown below.

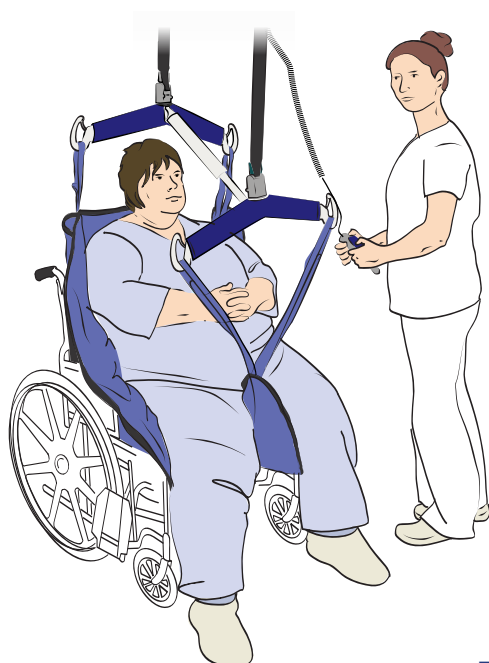
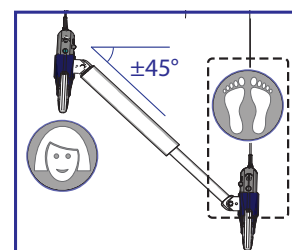


Fig. 33


- 3) Approach the patient with the ceiling lift, making sure that:

- ◆ The spreader bars are nearing the patient from the front and just above head level.
- ◆ The spreader bars are at 45° and are close enough to be able to connect the shoulder loops.



WARNING: To avoid injuries to the patient's head, when adjusting the foot-end spreader bar, pay attention to the head-end spreader bar as well, as both spreader bars move in tandem.

- 4) Connect the shoulder loops, and then the leg loops (see "Attachment Methods" on page 20).

Raise the foot-end of the spreader bar first using the "Recline" () button to create tension on the sling's leg loops.

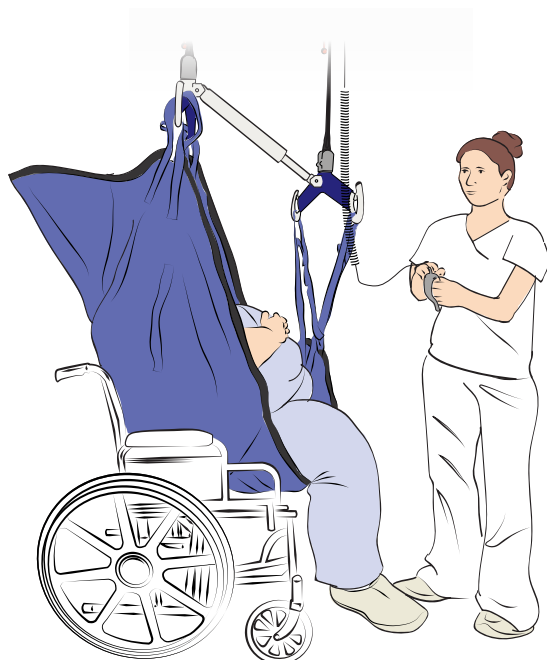



Fig. 34

5) Raise the patient using the hand control. The head support area of the sling should now begin to support the head more (when using MAA8000 and MAA8010 model slings).

WARNING: Always confirm that the sling attachment loops are correctly attached and remain under tension while the weight of the patient is gradually taken up. This will prevent a patient fall.

6) Proceed with the transfer. Be sure to keep a hand on the spreader bar to stop excessive swinging.

While transferring, adjust the patient's position, from sitting to lying position, using the "RECLINE" () button.

CAUTION: Do not attempt to pull the lift along the rail using the hand control cable. This will damage the cable and eventually ruin the function of the hand control.

7) When the ceiling lift has reached the destination, begin lowering the patient down onto the new location.

Adjust the patient's sitting/lying position to meet the new surface.

WARNING: When using the lowering function be careful to not hit the patient with the spreader bar as this could cause injuries.

8) When the patient's body weight is fully supported, detach the leg loops, then the shoulder loops.

Carefully move the ceiling lift away from the patient.

Remove the sling from underneath the patient.

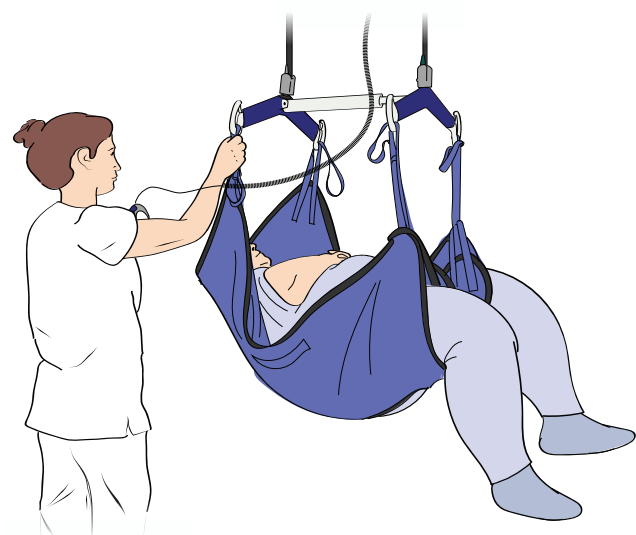


Fig. 35



Fig. 36

Transferring from a Lying to a Seated Position

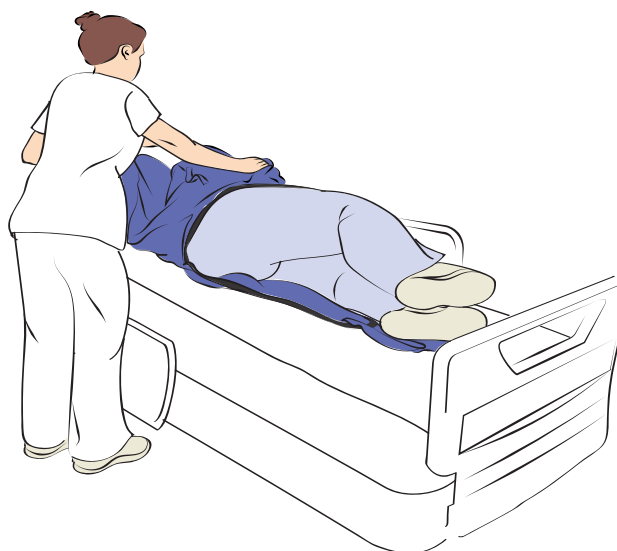


Fig. 37

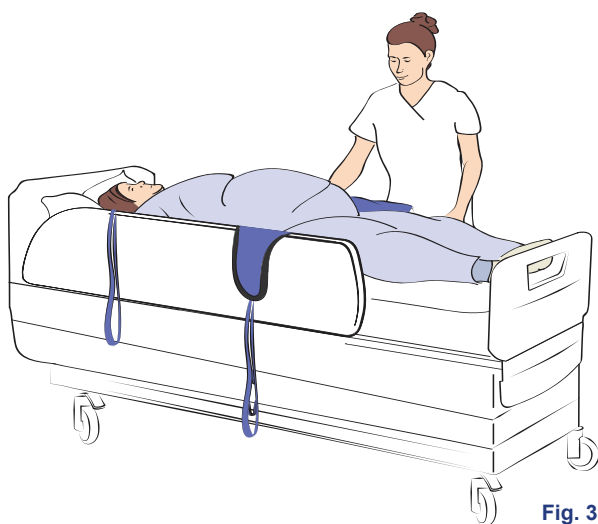


Fig. 38

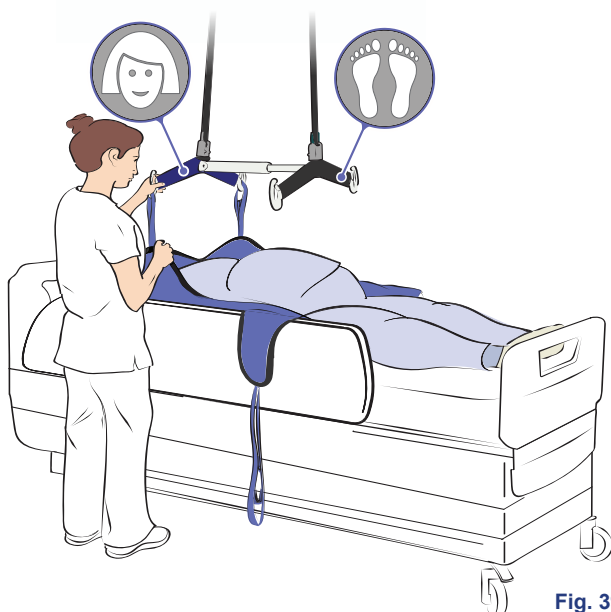


Fig. 39

WARNING: Make sure that the bed safety rail is installed to prevent the patient from falling.

Before you begin, make sure that the bed is at the correct working height.

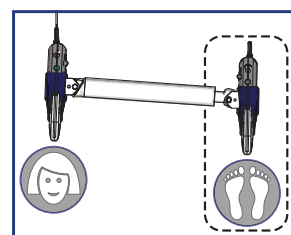
1) Roll the patient onto their side. Fold the sling in half and place it on the bed along the back of the patient, with the bottom of the sling well below the coccyx, and the top of the sling reaching the top of the patient's head (with MAA8000 and MAA8010 model slings).

2) Roll the patient back onto the sling and then roll the patient in the opposite direction, so that the folded part of the sling can be straightened out.

If possible, slightly raise the head of the bed.

3) Approach the patient with the ceiling lift, and ensure that:

- ◆ The spreader bar is in the flat position.
- ◆ The spreader bar is close enough to be able to connect the sling straps to it.



4) Using the hand control, lower the spreader bar taking care not to lower it onto the patient.

5) Connect the sling shoulder and leg loop straps to the spreader bar.

WARNING: Always confirm that the sling loop straps are correctly attached and remain in tension as the weight of the patient is gradually taken up. This will prevent a patient fall.

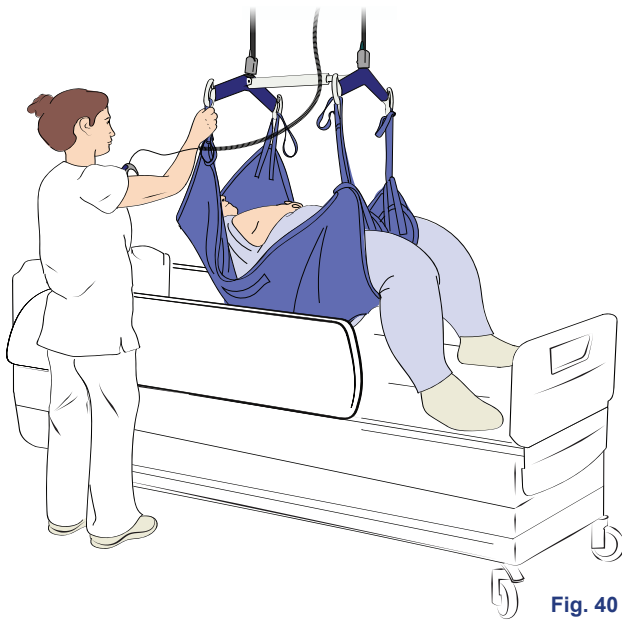


Fig. 40

6) Raise the patient using the hand control, positioning them comfortably into a semi-reclined position for the transfer. The patient should not be lifted above the caregiver's eye-level.

7) Proceed with the transfer keeping a hand on the spreader bar to stop excessive swinging.

CAUTION: Do not attempt to pull the lift along the track using the hand control cable. This will damage the cable and eventually stop the function of the hand control and ceiling lift.

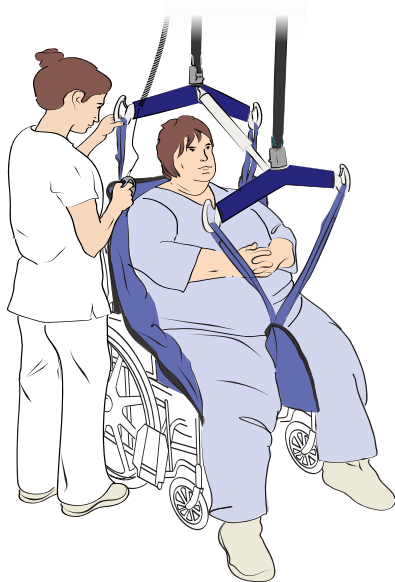



Fig. 41

8) When the ceiling lift has reached the destination, begin lowering the patient down onto the new location.

Adjust the patient's position, from lying to sitting, using the  button as you are seating the patient down in the chair.

WARNING: When using the lowering function be careful not to hit the patient with the spreader bar as this could cause injuries.

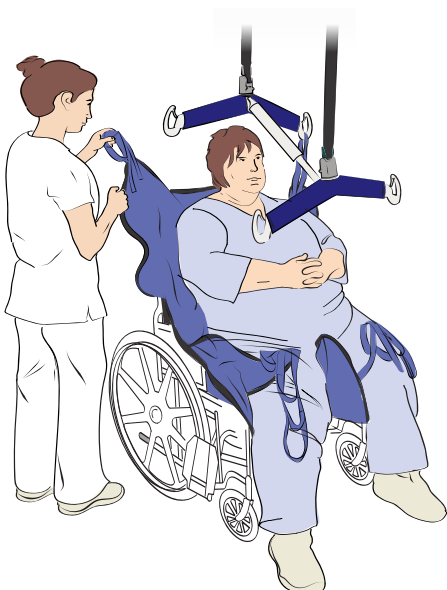


Fig. 42

9) When the patient's body weight is fully supported, detach the leg loops, then the shoulder loops.

Carefully move the ceiling lift away from the patient.

Remove the sling from behind the patient.

Bed Repositioning

Moving Upwards or Sideways in a Bed

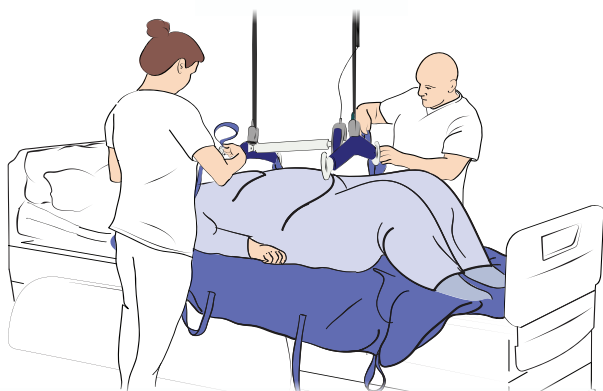


Fig. 43

- 1) Position the Maxi Sky 2 Plus directly over the patient.

WARNING: Do not lower the spreader bar onto the patient, as this may cause injuries.

- 2) Connect as many loops as possible to the spreader bar. Make sure to distribute loops on all four hooks.

Select loop lengths in order to lift the patient as horizontally as possible.

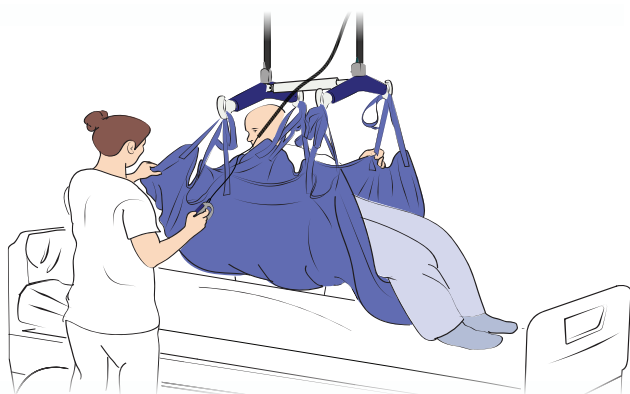


Fig. 44

- 3) Raise the patient using the Maxi Sky 2 Plus until the patient's hips and upper body are supported and until it is possible to move the patient up in the bed. Use a MaxiTube sliding sheet under the patient's feet if needed.

NOTE: It may be necessary to support the head for some patients, depending on the patient's medical condition.

WARNING: Pay attention to the patient's position. An overly inclined spreader bar (e.g. where hips are much higher than the shoulders) may lead to the patient sliding out of the sling.

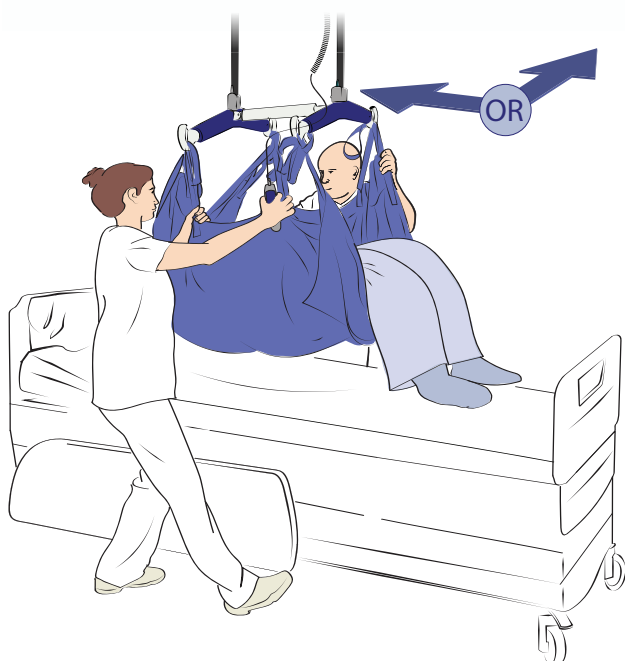


Fig. 45

- 4) Move the patient towards the head of the bed or sideways.

Lower the patient down onto the new location.

WARNING: When using the lowering function be careful to not hit the patient with the spreader bar as this could cause injuries.

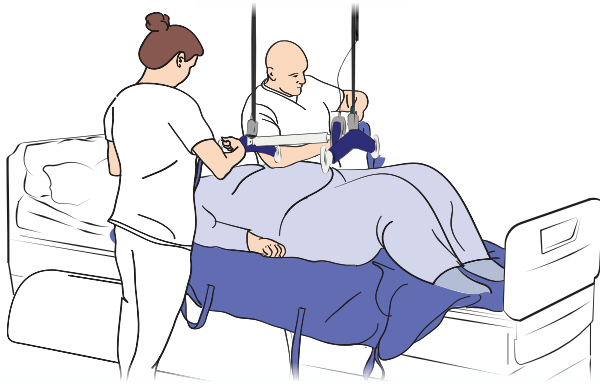


Fig. 46

5) When the patient's body weight is fully supported, detach all loops.

Move the ceiling lift away from the patient.

Bed Turning

Make sure that the bed frame is in the flat position (i.e. the backrest is not inclined) before attempting to turn a patient. Prior to turning the patient, it may be necessary to first move the patient sideways to ensure that there is sufficient space to turn the patient.

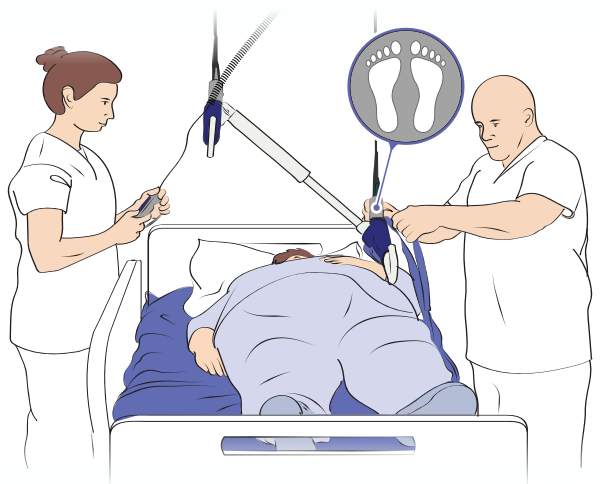


Fig. 47

1) Position the ceiling lift directly over the patient and lower the spreader bars at a 45° angle to allow the sling loops to be attached.

WARNING: Do not lower the spreader bar onto the patient, as this may cause injuries.

2) Connect at least two loops nearest to the patient's shoulder and two loops nearest the patient's hips on one side of the repositioning sling to the foot-end of the spreader bar, making sure that they are evenly distributed on both hooks.

Select loop length in order to roll the patient as straight as possible.

WARNING: Make sure that the bed safety rail is installed and in the raised position to prevent the patient from falling.



Fig. 48

3) Raise the spreader bar until the patient is rolled into the appropriate position.

NOTE: Place some pillows to prevent the patient from rolling backwards and to maximize the patient's comfort.

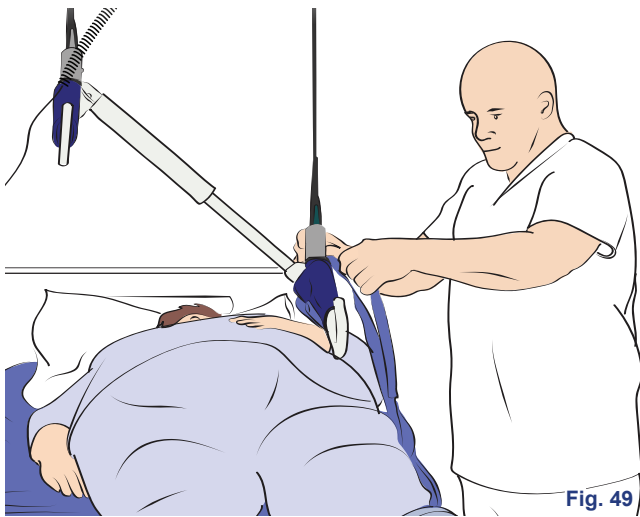


Fig. 49

4) Lower the spreader bar to release tension on the loops.

Disconnect all loops.

Carefully move the ceiling lift away from the patient.

Limb Support

The *Maxi Sky 2 Plus* can be used to assist with procedures where limbs need to be supported in elevated positions.



Fig. 50

1) Place the limb sling around the patient's limb.

Position the ceiling lift so that the spreader bar is close enough to be able to connect the loops.

WARNING: When using the lowering function be careful to not hit the patient with the spreader bar as this could cause injuries.

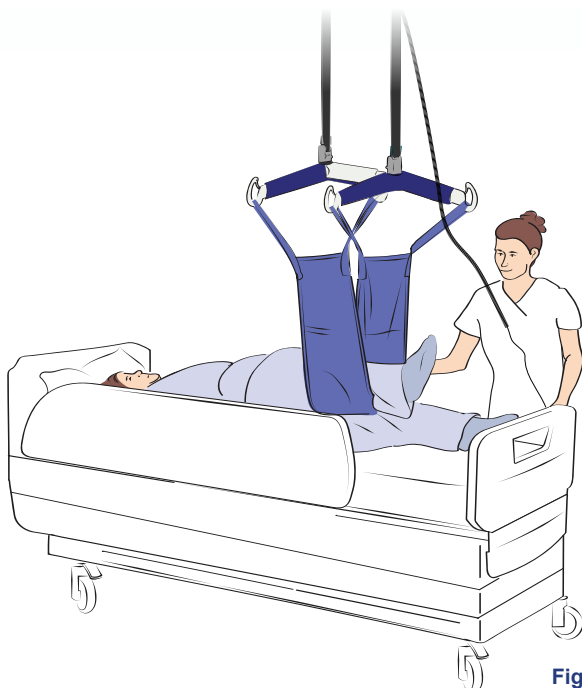


Fig. 51

2) Connect the loops to the spreader bar and raise the patient's limb using the hand control until it is at the desired height. Be careful to not overstretch the limb.

WARNING: To avoid that the patient's limb from falling out of the sling, always check that the loops are correctly attached and remain in tension as the weight of the limb is gradually taken up. Otherwise, injuries could occur.

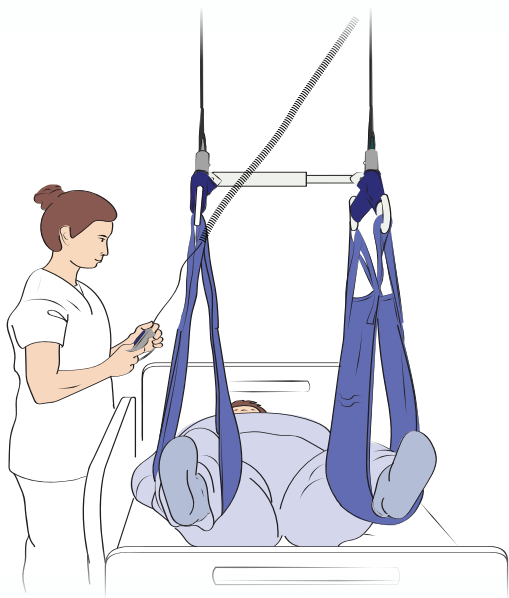


Fig. 52

An alternative method using the Bariatric Limb sling is shown in Fig. 52.

3) When it is no longer required to support the patient's limb, lower the spreader bar, remove the sling from the spreader bar, and put the ceiling lift away.

WARNING: When using the lowering function be careful to not hit the patient with the spreader bar as this could cause injuries.

Lateral Transfers (From/to Adjacent Flat Surfaces)

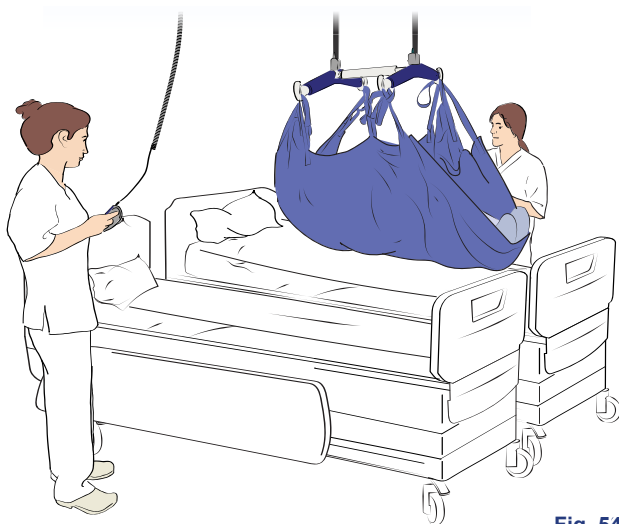


Fig. 54

1) Position the ceiling lift so that the spreader bar is close enough to be able to connect the loops.

WARNING: When using the lowering function be careful to not hit the patient with the spreader bar as this could cause injuries.

Connect the loops to the spreader bar.

2) Raise the patient using the Maxi Sky 2 Plus until the patient is fully supported.

NOTE: It may be necessary to support the head for some patients, depending on the patient's medical condition.

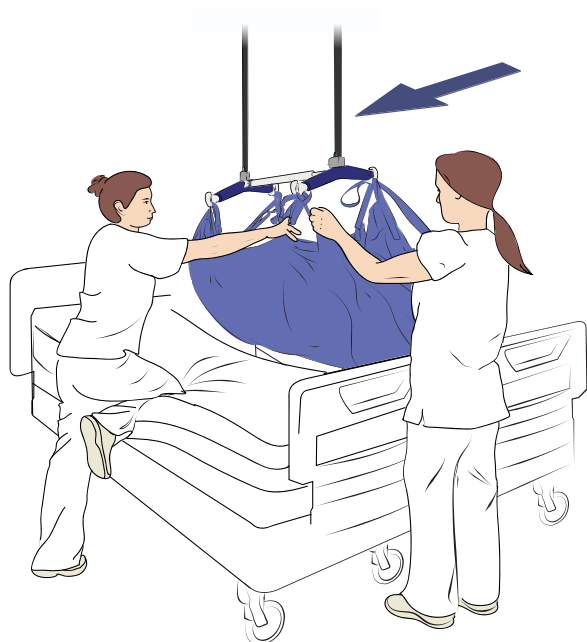


Fig. 55

WARNING: Pay attention to the patient's position. An overly inclined spreader bar (e.g. where hips are much higher than the shoulders) may lead to the patient sliding out of the sling.

3) Move the patient toward the other surface, making sure that they are positioned centrally over the new surface.

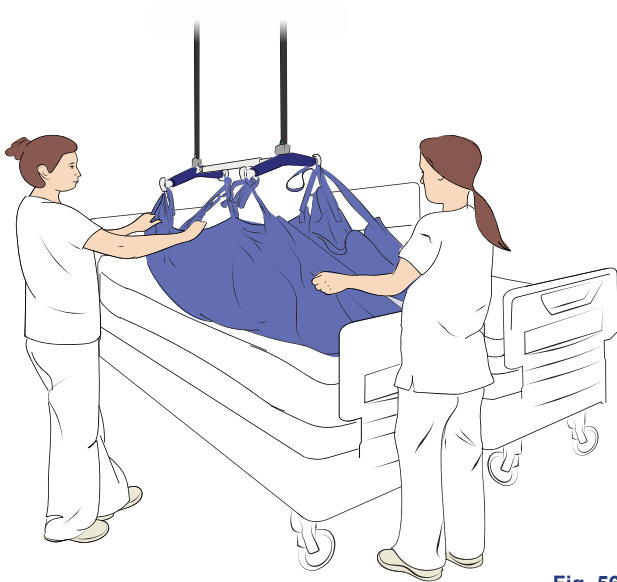


Fig. 56

4) Lower the patient onto the bed.

5) Lower the spreader bar farther down to be able to detach the sling loops.

Raise the spreader bar and move the ceiling lift away from the patient.

How to Use the X-Y Track System

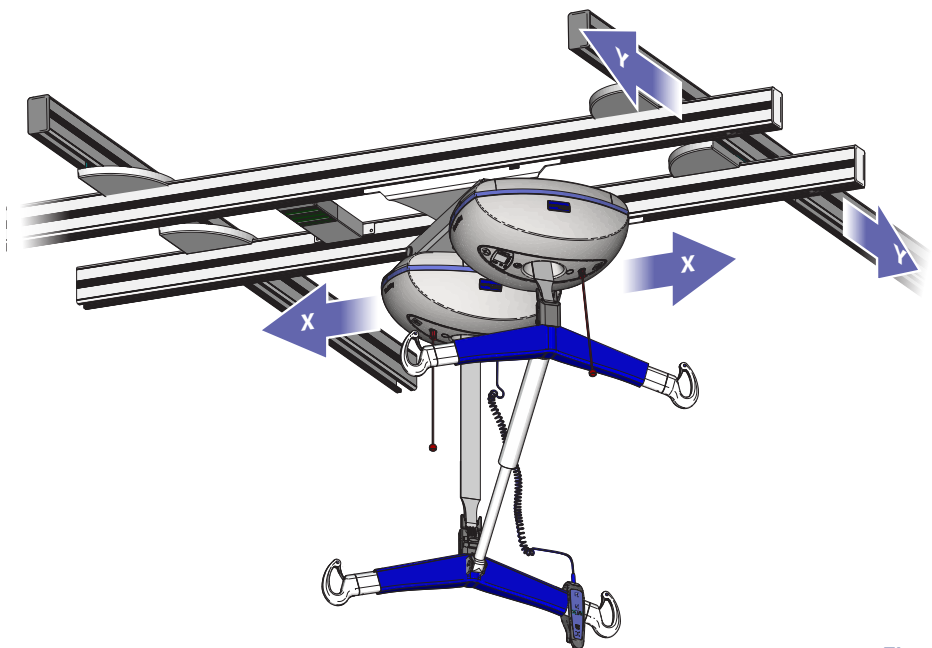


Fig. 57

The X-Y track system allows the ceiling lift to be moved in any direction over a predetermined area in order to cover its entire surface.

The X-Y system is composed of two stationary tracks and two mobile tracks linked together. Both the Maxi Sky 2 Plus and the linked mobile tracks can be moved simultaneously by pulling on the spreader bar.

How to Use the Gate

The Gate is a KWIKtrak accessory that allows an X-Y system to connect to another fixed track section.

Exiting the X-Y System

1) Move the Maxi Sky 2 Plus along the mobile tracks toward the end on which the KWIKtrak Gate is installed.

The ceiling lift will automatically be in contact with the gate's activation stations.

2) Move the mobile tracks over to align them with the adjacent fixed tracks.

This action will be detected by the gate, which will lock the two pairs of tracks together and allow the ceiling lift to pass through.

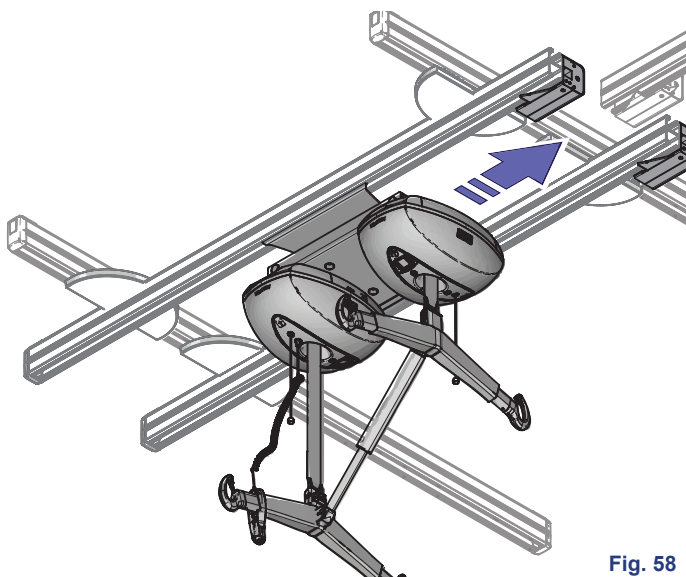


Fig. 58

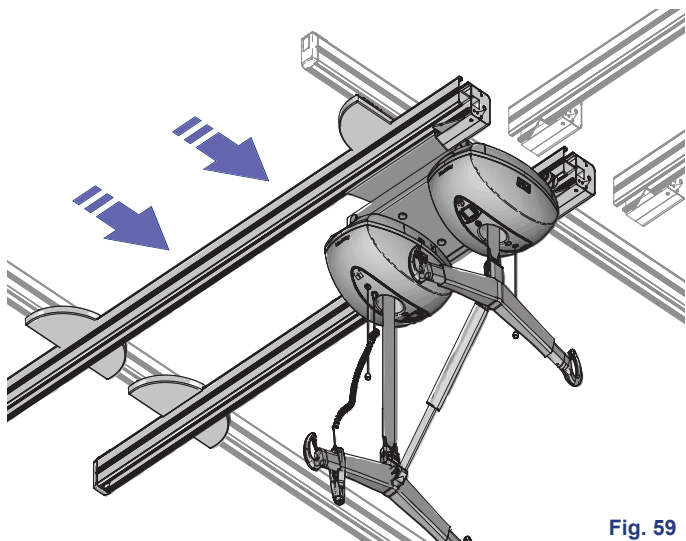


Fig. 59

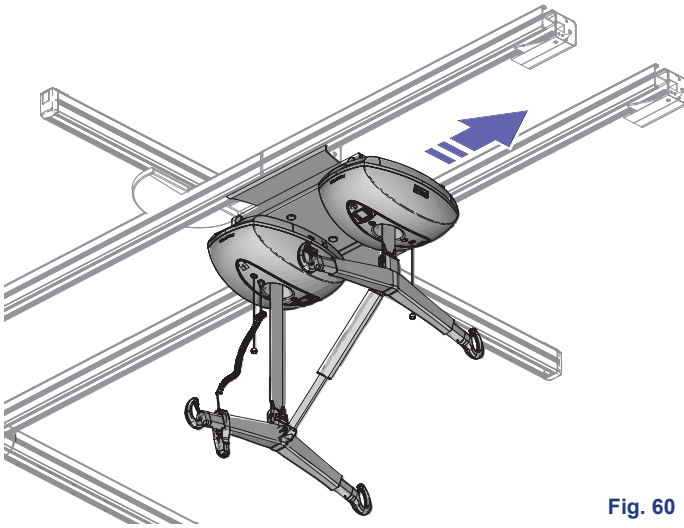


Fig. 60

3) Move the Maxi Sky 2 Plus through the gate and onto the adjacent fixed tracks.

Note: The mobile tracks will remain in the locked position. In order to release the mobile tracks, refer to the "Entering the X-Y System" section below.

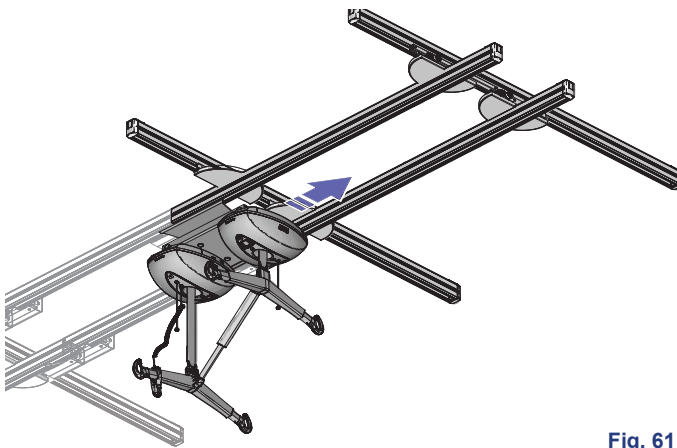


Fig. 61

Entering the X-Y System

When entering the X-Y system from connecting fixed tracks, the X-Y's mobile tracks will already be locked and in place.

1) Pass the ceiling lift through the gate.

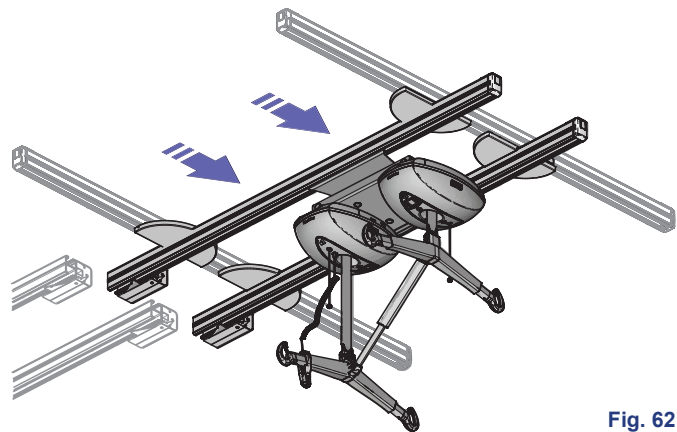


Fig. 62

When the Maxi Sky 2 Plus has passed the deactivation stations, the gate will release, permitting the mobile tracks to move along the X-Y's stationary tracks again.

2) Move the Maxi Sky 2 Plus to the desired location.

Switching Between Dual and Single Modes

Attaching the Spreader Bar to the Ceiling Lift Using Quick Connect

The spreader bar features an attachment which allows the caregiver to change the spreader bar in a few steps without using any tools.

WARNING: Spreader bars must only be installed by a trained person. To prevent the patient from falling, always ensure that the strap is secured with the attachment and that the attachment latch is closed before every use.

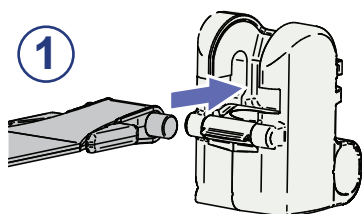


Fig. 63

1) Insert the strap with the pivot into the quick connect by pushing it inward.

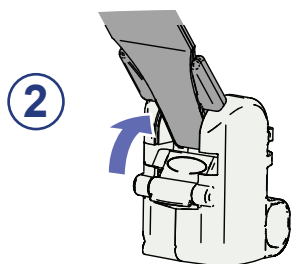


Fig. 64

2) Rotate the strap upward.

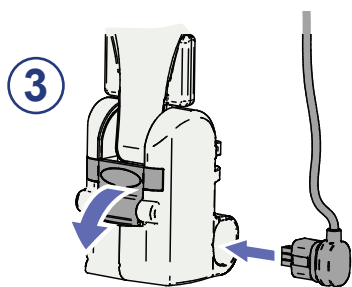


Fig. 65

3) Ensure that the latch is closed. If using a Dynamic Positioning System (PDPS), connect the cable.

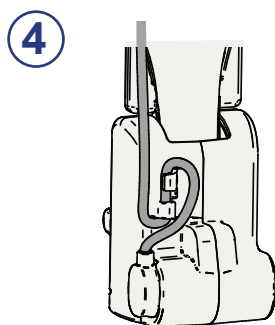


Fig. 66

4) If using a PDPS, secure the cables on the back of the quick connect as shown.

Removing the Spreader Bar from the Ceiling Lift

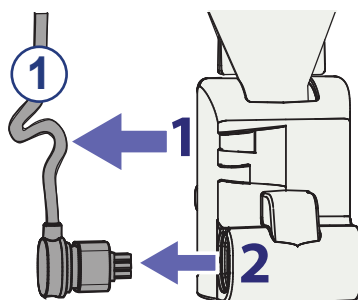


Fig. 67

1) If using a PDPS, detach the cable from the back of the housing and then disconnect the connector.

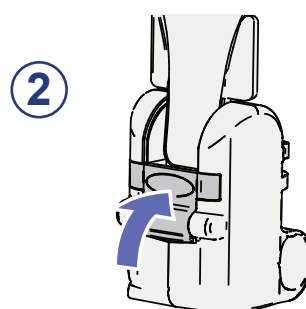


Fig. 68

2) Open the latch that locks the strap in place by pushing it inward.

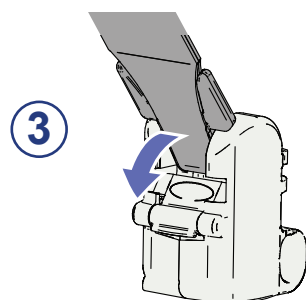


Fig. 69

3) Rotate the strap towards the latch.

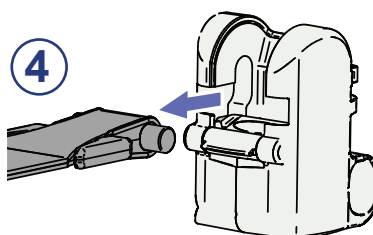
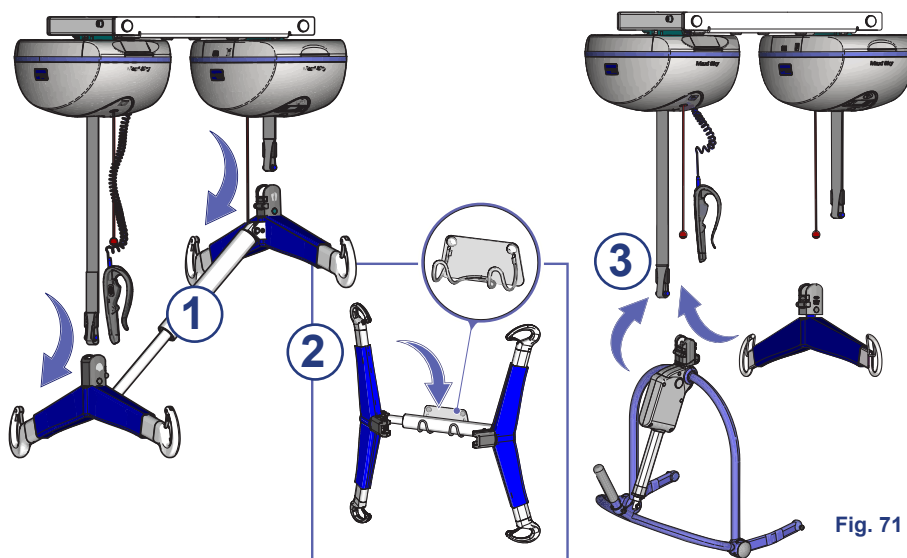


Fig. 70

4) Pull the strap out of the attachment.

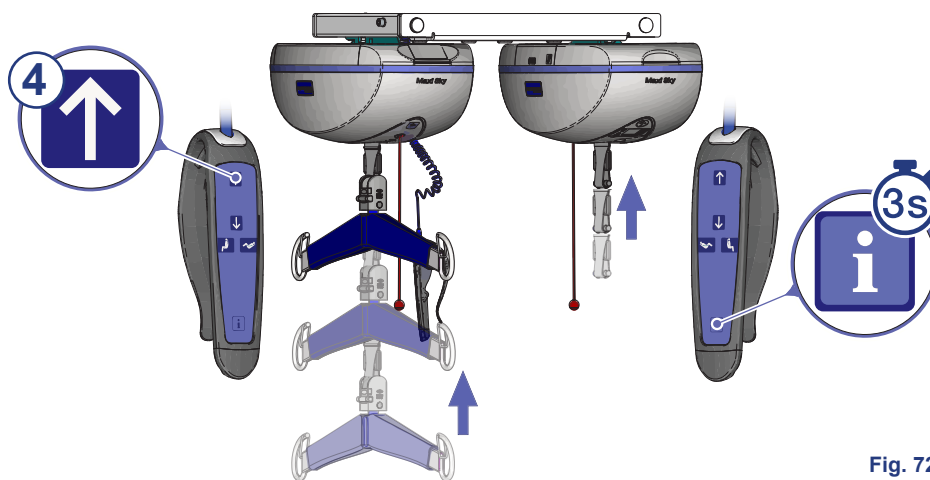
WARNING: When attaching or removing spreader bars, be sure to do so away from the patients to avoid causing injuries.

Switching From Dual Mode to Single Mode



- 1) Detach both the Maxi Sky 2 Plus head and foot-end spreader bars (see page 32).
- 2) It is recommended to store the Maxi Sky 2 Plus spreader bar on the wall support or cart designed for it.
- 3) Install a compatible Maxi Sky 2 ceiling lift spreader bar onto the leading ceiling lift (i.e. the one with the hand control).

Fig. 71




- 4) Press the  button until both straps are fully retracted to their highest limit.

Fig. 72

- 5) Follow the steps shown in Fig. 73 to set the Maxi Sky 2 Plus in Single Mode.

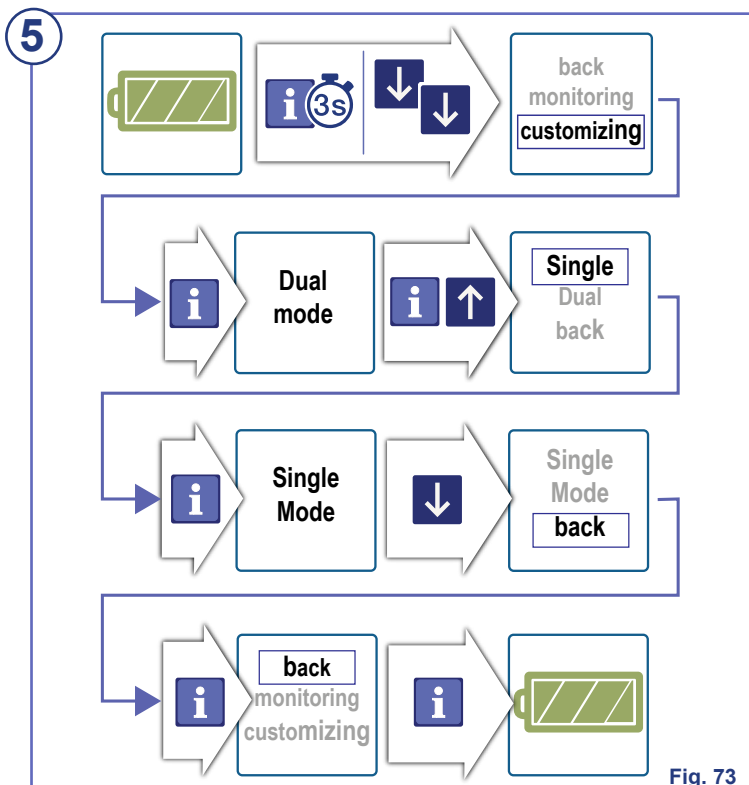


Fig. 73

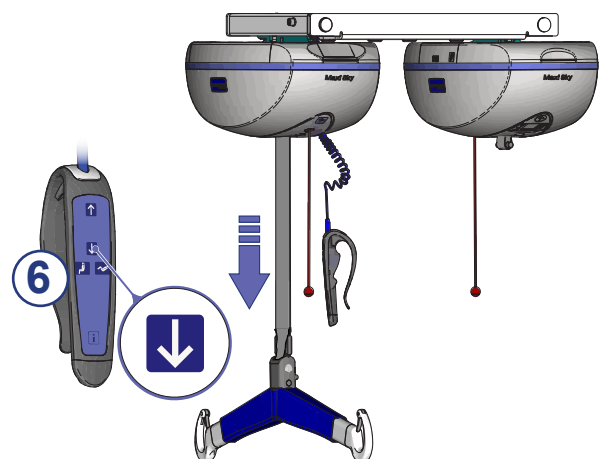
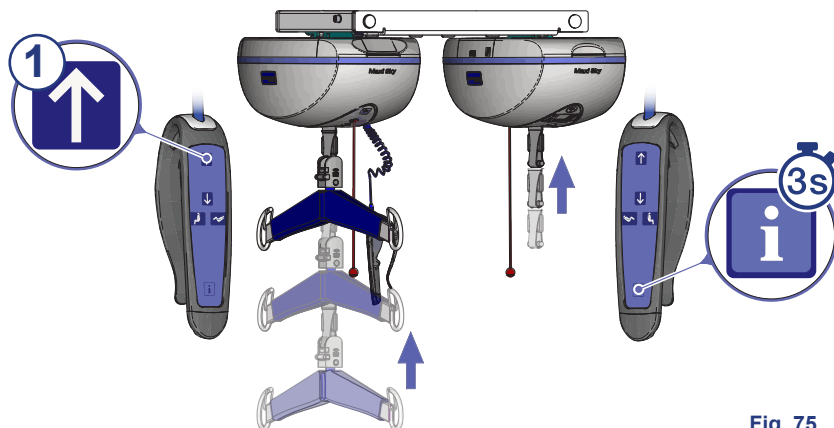


Fig. 74

- 6) The spreader bar can be lowered for use. The Maxi Sky 2 Plus will now operate in Single Mode.

NOTE: In Single Mode, the display on the driven ceiling lift will be turned off.

Switching from Single Mode to Dual Mode



1) Press the button and bring the spreader bar to its highest limit.

Fig. 75

2) Follow the steps shown in Fig. 76 to set the Maxi Sky 2 Plus in Dual Mode.

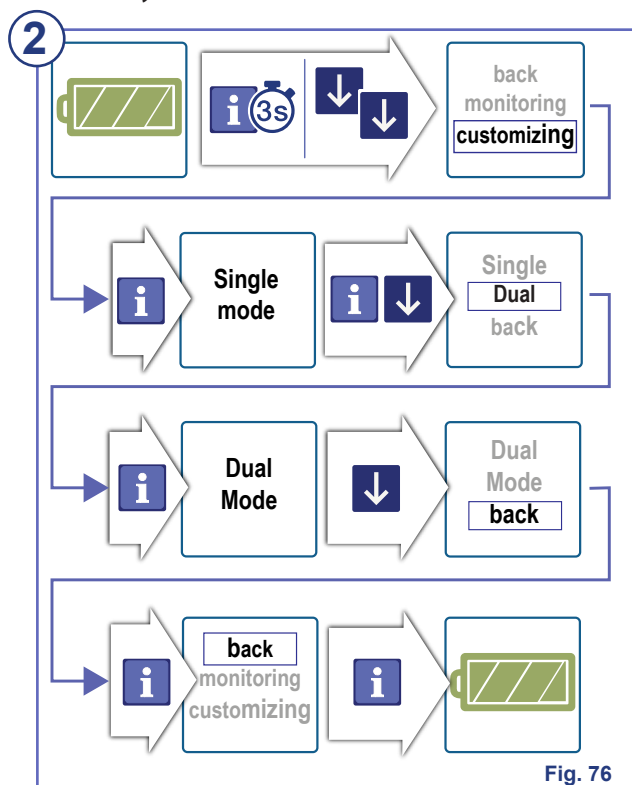


Fig. 76

3) Lower the spreader bar while simultaneously pulling down on the empty strap (either with your free hand or with the "strap puller" tool, #700-31299).

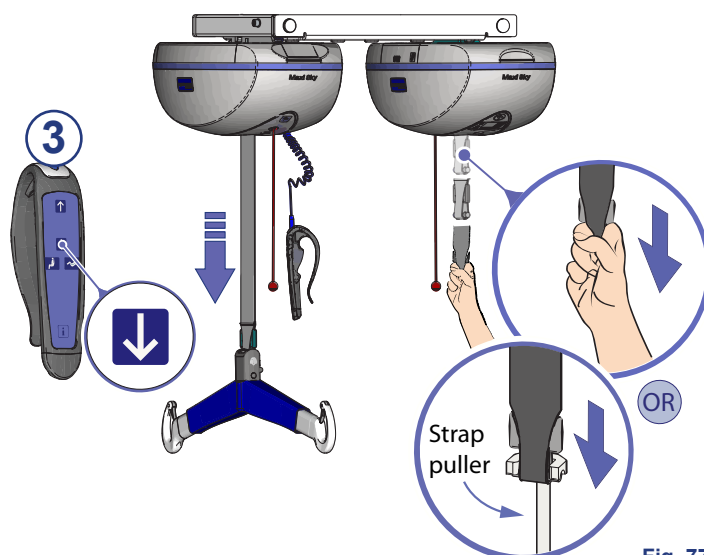


Fig. 77

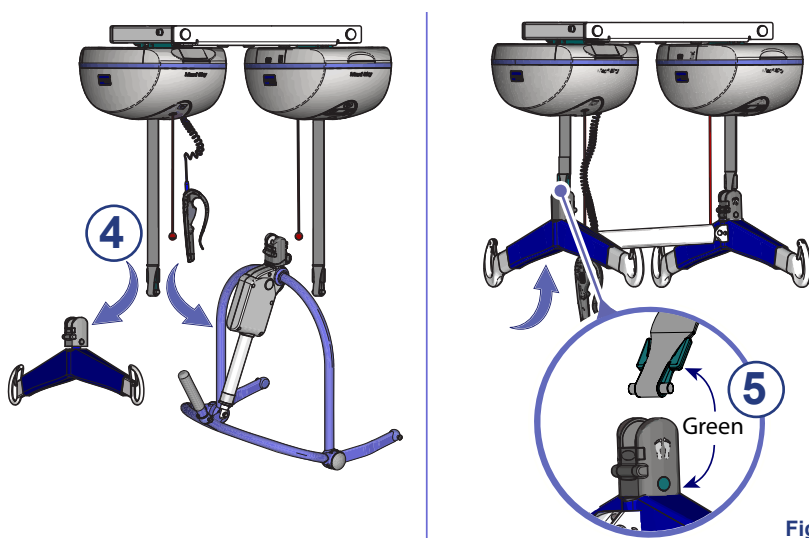


Fig. 78

4) Remove the Maxi Sky 2 ceiling lift spreader bar.

5) Install the Maxi Sky 2 Plus spreader bar making sure to match the green quick connect adaptor with the foot-end spreader bar (i.e. with the green dot).



The Maxi Sky 2 Plus can now be used in Dual Mode.

WARNING: Ensure that the spreader bars are attached correctly. If they are reversed, adjusting the patient's position will result in inverting the patient positioning motion.

Operating the Maxi Sky 2 Plus in Single Mode

Operating the *Maxi Sky 2 Plus* in Single Mode is achieved with the aid of the command buttons on the hand control.

Vertical Movement

- The  and  buttons are used to raise or lower the patient. Auxiliary buttons can also be used.

Horizontal Movement and Rotation

Horizontal movement, as well as rotating the patient, is achieved by manually pulling or pushing the ceiling lift to the desired location.

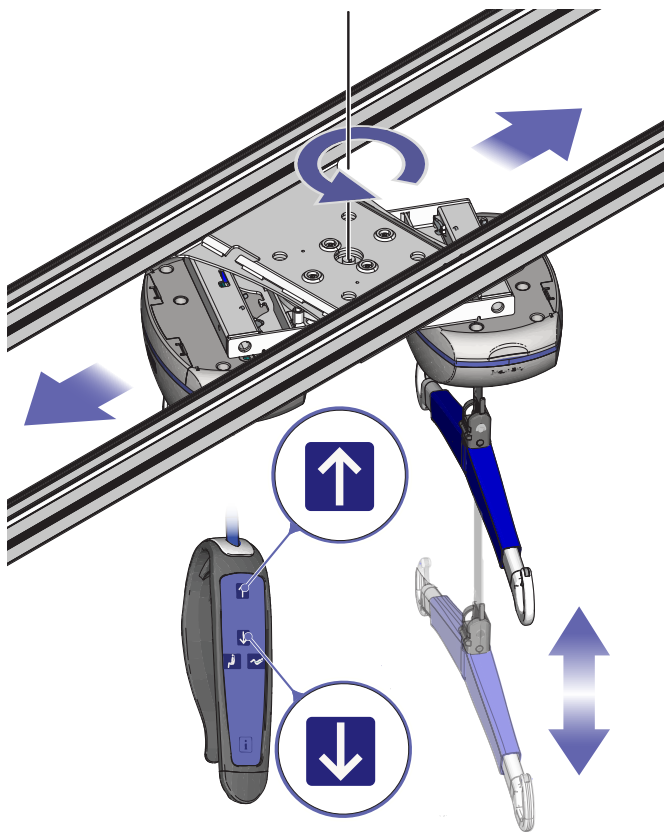


Fig. 79

Patient Positioning

Patient positioning can be performed using a spreader with the Powered Dynamic Positioning System (PDPS).

In Single Mode, the  and  buttons are used in conjunction with compatible PDPS spreader bars to position patients in either the sitting or lying position.

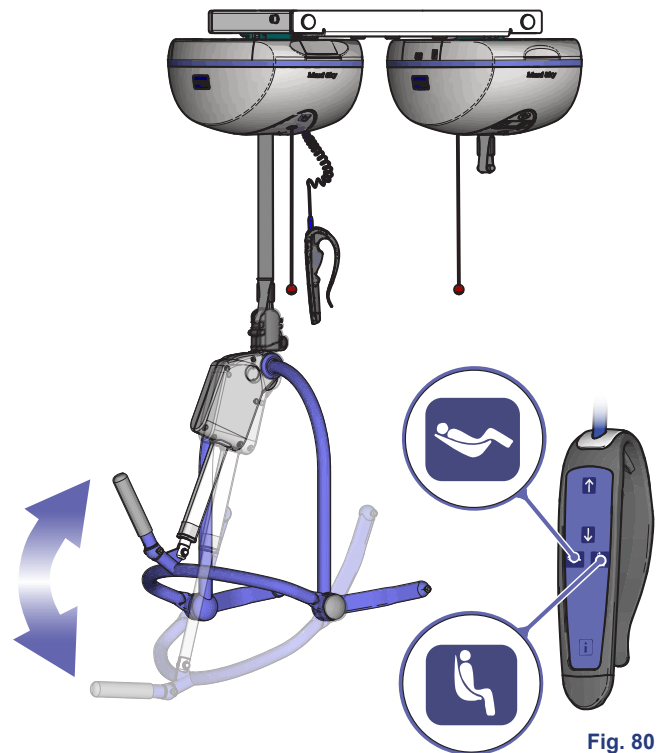


Fig. 80

Use of Slings and Spreader Bars in Single Mode

Once in Single Mode, the *Maxi Sky 2 Plus* acts as a stand-alone *Maxi Sky 2* ceiling lift. All slings and spreader bars compatible with the *Maxi Sky 2* are equally compatible with the *Maxi Sky 2 Plus* in Single Mode. For a complete list, and for instructions on how to transfer patients, please refer to the *Maxi Sky 2 Instructions for Use* (001-15698-XX).

Care and Maintenance

Cleaning the Ceiling Lifts

NOTE: It is recommended to clean the lifts and their accessories between each patient use.

Removing visible residues

- 1) Use a cloth soaked with water.
- 2) Remove visible residues from the ceiling lifts and accessories from top to bottom.

General cleaning

- 1) Use a damp cloth with warm water mixed with a mild detergent.
- 2) Scrub the equipment from top to bottom, removing all visible residues.
- 3) Rinse with clean water any remaining residual detergent. Then wipe clean with a dry cloth.

NOTE: Pay special attention to areas pointed below in Fig. 81. These are most likely to harbor germs. Use a smaller brush and/or cotton swab to reach them.

Rub the equipment vigorously when using the wipes, to promote an effective cleaning of the ceiling lifts' surfaces.

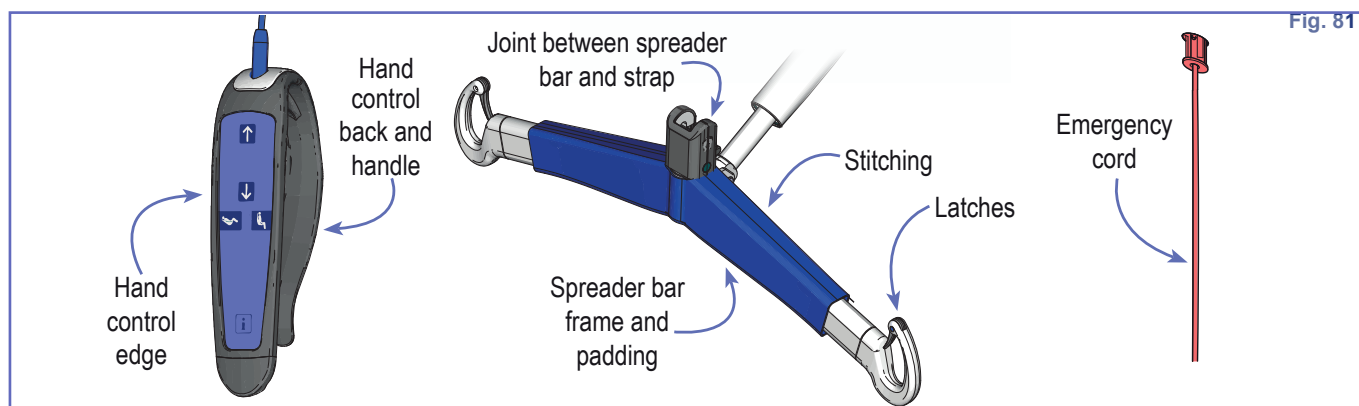
CAUTION: Do not drench the product, as this could damage electrical components and cause internal corrosion.

If a hot air dryer is used to dry the lift, the temperature must not exceed 80°C (176 °F).

Do not use methanol-based or any other type of solvents that may damage the finish or plastic parts.

To ensure a better rolling surface for the trolley wheels, clean the inside of the track every 4 months. To do so, insert a damp cloth in the opening and slide it from one end of the track to the other.

WARNING: To avoid eye and skin injuries, cleaning products must be used in accordance with the instructions. Wear appropriate eye, hand and clothing protection at all times when handling cleaning products.



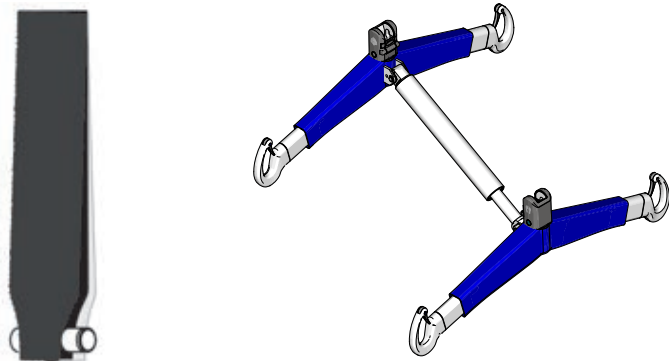
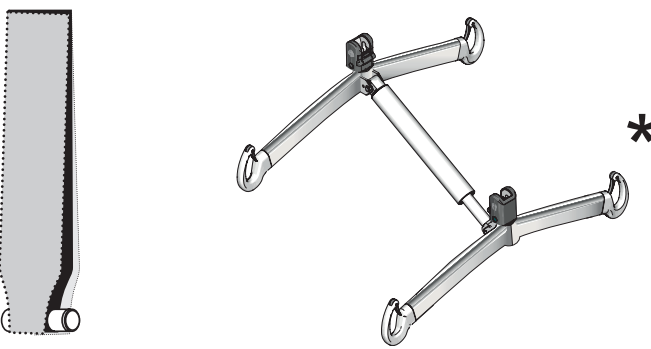
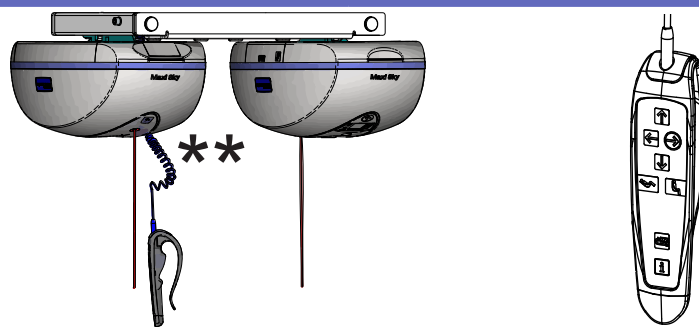
Disinfection

Wipe Maxi Sky 2 PLUS & accessories using a solution containing one of the compatible disinfectants below. Disinfection methods should comply with local or national guidelines (Decontamination of Medical Devices), depending on Healthcare Facility or country of use.

If uncertain, consult local Infection Control specialist.

NOTE: It is recommended to clean the lift and its accessories before disinfection.

NOTE: After thorough cleaning and/or disinfection of the Emergency Cord, assure the lift is still "ON".

Disinfection Agents for Lift and Accessories	Disinfection Agents						
	Quaternary Ammonium	≤ 0.21% (2,100 ppm)					
	Isopropyl Alcohol	≤ 70%					
	Phenolic	≤ 1.56% (15,600 ppm)					
	Bleach	≤ 1% (10,000 ppm)					
	Peracetic Acid	≤ 0.25% (2,500 ppm)					
	Hydrogen Peroxide	≤ 1.5%					
Standard model (woven nylon strap & Spreader Bar with padding)		↓	↓	↓	↓	↓	↓
					•	•	•
Infection Control model (coated strap & Spreader Bar without padding)		↓	↓	↓	↓	↓	↓
		•	•	•	•	•	•
Other Accessories for all models		↓	↓	↓	↓	↓	↓
		•	•	•	•	•	•

* Some parts on the spreader bar may discolour after repeated contact with bleach, peracetic acid or hydrogen peroxide.

** Handset attachment cable may become slightly grimy after repeated contact with bleach or hydrogen peroxide.

Caring for Accessories

Other than cleaning, no user maintenance is required, but some components may need to be serviced or replaced periodically. This should be carried out by a qualified Arjo service technician. For more information contact Arjo or an approved distributor.

Handling, Transport and Storage

Avoid violent impacts while transporting the ceiling lifts.

The ceiling lifts should not remain stored for long periods of time without recharging the batteries.

NOTE: Even if the lift is not used, Arjo recommends charging the batteries at least every 2 weeks. This will prevent premature aging of batteries.

If you store or ship the *Maxi Sky 2 Plus*, ensure that the power is turned off (no green light) beforehand.

Battery Replacement

For more information regarding the ceiling lift batteries and their replacement information, refer to the *Maxi Sky 2 Instructions for Use* (001-15698-XX).

To replace batteries, be sure to contact your local Arjo agent.


CAUTION: Do not attempt to use a battery that was not supplied by Arjo. Batteries are specially designed for Arjo charging systems. Attempting to use an unauthorized battery may seriously damage the lift and/or the charger.

Annual Inspection

The *Maxi Sky 2 Plus* trolley, ceiling lifts and accessories must be inspected every 12 months as a minimum requirement. Do not attempt to perform the inspection unless you are qualified to do so. Refer to the "Preventive Maintenance Schedule" on page 39.

For information regarding the maintenance schedule for the ceiling lifts that are part of the *Maxi Sky 2 Plus*, please refer to the *Maxi Sky 2 Instructions for Use* (001-15698-XX). Special attention should be brought to the ceiling lift straps.

Maintenance Requirements

The ceiling lifts of the *Maxi Sky 2 Plus* are equipped with a maintenance monitor which informs the user that a maintenance inspection is necessary. The screen will display the "maintenance required" () symbol to draw the user's attention.

Arranging for scheduled inspections ensures the durability of the unit and the security of the patient and user.

For further information about the maintenance of your *Maxi Sky 2 Plus* trolley and spreader bar contact your Arjo agent.

Preventive Maintenance Schedule

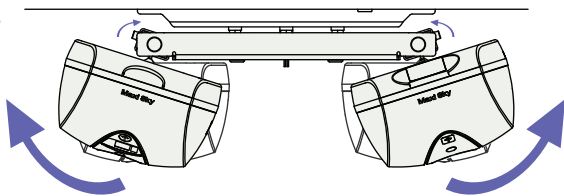
The equipment is subjected to wear and tear, and the following maintenance instructions must be acted upon when specified to ensure that the equipment remains within its original manufacturing specifications.

NOTE: For information regarding the maintenance schedule for the ceiling lifts that are part of the *Maxi Sky 2 Plus*, please refer to the *Maxi Sky 2 Instructions for Use* (001-15698-XX).

WARNING: The points on this checklist are the minimum the manufacturer recommends. In some cases more frequent inspections should be carried out. Continuing to use this equipment without conducting regular inspections or when a fault is found will seriously compromise the safety of the user and the patient. Local regulations and standards may be higher than those of the manufacturer. A load test must be performed on the entire system every 12 months. Service and preventive maintenance can be arranged with the Arjo distributor. Preventive maintenance specified in this manual can prevent accidents and reduce repair costs.

WARNING: Safety related maintenance and authorized service must be carried out by qualified personnel, fully trained in servicing procedures by Arjo, and equipped with correct tools and proper documentation, including the Parts List and Service Manual. Failure to meet these requirements could result in personal injuries and/or unsafe equipment.

WARNING: Never proceed to maintenance or service while lift is in use with a patient.

Inspections for the <i>Maxi Sky 2 Plus</i> Trolley and System Integration	FREQUENCY				
	Every two years or 5,000 cycles				
	Every year or 2,500 cycles				
	Every four months or 1,000 cycles				
	Before every use				
	Initially				
USER INSPECTIONS					
Inspect for evidence of external damage, missing or broken parts.	●	●			
Verify emergency stop system by pulling on red emergency cord of either one of the ceiling lifts.			●		
INSPECTION BY AN AUTHORIZED SERVICE TECHNICIAN					
Inspect trolley and the means of attachment/securing of the ceiling lift to the trolley, making sure there are no loose or missing parts.				●	
Inspect wheels in rail for damage, rust or cracks. Replace if damaged.				●	
Perform Dual to Single Mode and Single to Dual Mode reconfiguration.				●	
Perform a load test with the SWL (safe working load) and perform 360° rotation. <ul style="list-style-type: none"> Dual Mode: 600 lb (272 kg) on driven ceiling lift and 400 lb (182 kg) on leading ceiling lift. Single Mode: 600 lb (272 kg) on leading ceiling lift and 0 lb/kg on driven ceiling lift. 				●	
Inspect ceiling lift pivoting motion. Ceiling lifts should pivot freely without noise. 					●
Perform charging system inspection as per <i>Maxi Sky 2 Maintenance and Repair manual</i> (001-15697).				●	
Perform system functional test as per <i>Maxi Sky 2 Plus Initial Startup procedure</i> (001-31229-EN).				●	

Troubleshooting

Inspections for Accessories



	FREQUENCY				
	Every two years or 5,000 cycles				
	Every year or 2,500 cycles				
	Every four months or 1,000 cycles				
	Before every use				
	Initially				
	↓	↓	↓	↓	↓
USER INSPECTIONS					
Inspect all sling parts (attachments, fabric, stitch areas and strap) for signs of wear, discoloration, deterioration or loose threads.		●			
Clean sling as indicated on the product tag.	When necessary				
Inspect the spreader bar for damage or cracks. Make sure all attachments are properly secured.		●		●	
INSPECTION BY AN AUTHORIZED SERVICE TECHNICIAN					
Inspect spreader bar. Quick Connects latches should spring back freely in closed position, pictograms are undamaged and Quick Connects are attached to the proper ceiling lift strap (refer to Fig. 17).				●	
Inspect spreader bar link. It should rotate and extend/retract freely.				●	
Inspect spreader bar for damage or cracks. Hook latches should spring back into closed position.				●	

Inspections for Rails

	FREQUENCY				
	Every two years or 5,000 cycles				
	Every year or 2,500 cycles				
	Every four months or 1,000 cycles				
	Before every use				
	Initially				
	↓	↓	↓	↓	↓
USER INSPECTIONS					
Clean the inside of the rail to remove accumulated dust on the rolling surface.	●		●		
Clean the charging station contacts with a damp cloth.			●		
Make sure that end stoppers and rail caps are in place.	●	●			
INSPECTION BY AN AUTHORIZED SERVICE TECHNICIAN					
Torque end stoppers to 20 N·m. (15 lbf. ft).	●			●	
Make sure that the bracket locking devices are not visible.	●			●	
Make sure rail joints are closed and that the spring pins are centered.	●			●	
Make sure the rail is levelled when it is not loaded.	●			●	
Make sure the adjusted load setting of the lift is equal to or lower than the safe working load of the installation.	●			●	
Check that the accessories (e.g. X-Y system, Gate, etc.) are complete and correctly maintained.	●			●	
Make sure that the attachments (ceiling brackets) have not been displaced, damaged or removed.	●			●	
Inspect track end stoppers. Inspect and tighten hardware (if necessary).				●	
Perform a load test with the SWL (safe working load).				●	

NOTE: If the product does not work as intended, immediately contact your local Arjo distributor for support.

WARNING: Before each use, make sure all end stoppers are in place to prevent the risk of a patient falling

PROBLEM	TO CHECK
After pushing up on one ceiling lift's "Power on" switch, the LED does not light up and nothing appears on the display.	<ul style="list-style-type: none"> • Ensure the "Power On" switch on both ceiling lifts are pushed upward. • The ceiling lift may be in sleep mode. Press a button on the hand control or one of the auxiliary buttons and see if anything appears on the display. • Note that in Single Mode, only the leading ceiling lift will have its display lit up. • If problem persists, contact your Arjo agent for maintenance.
The LED is red and nothing appears on the display.	<ul style="list-style-type: none"> • This may indicate that batteries are depleted. • The ceiling lift may be in sleep mode. Press a button on the hand control or one of the auxiliary buttons and see if anything appears on the display. • Note that in Single Mode, only the leading ceiling lift will have its display lit. • If the problem persists, contact your Arjo agent for maintenance.
The LED is green but nothing appears on the display.	<ul style="list-style-type: none"> • The ceiling lift may be in sleep mode. Press a button on the hand control or one of the auxiliary buttons and see if anything appears on the display. • Note that in Single Mode, only the leading ceiling lift will have its display lit. • If problem persists, contact your Arjo agent for maintenance.
A general malfunction code appears on the display (see "LCD Display Symbols" on page 8).	<ul style="list-style-type: none"> • Some functions may be prohibited. • If malfunction persists, contact your Arjo agent for maintenance.
A maintenance code appears on the display after a period of sleep mode.	<ul style="list-style-type: none"> • The unit can be used but maintenance must be done as soon as possible by your Arjo agent.
The  symbol is flashing on the display.	<ul style="list-style-type: none"> • A motor duty cycle has been reached. • The function that exceeded the duty cycle is disabled while all other functions remain active. • Lower patient and wait until the  symbol disappears before attempting another transfer.
LED does not light up at all. Display is working properly.	<ul style="list-style-type: none"> • Check within the customize menu whether the LED is in the "enabled" state (see "Customizing" on page 10). • If LED is in the "enabled" state and it still does not light up, contact your Arjo agent for maintenance.
The ceiling lift emits a beep during use.	<ul style="list-style-type: none"> • Batteries are low. See if display indicates low batteries. Return the ceiling lift to the charging station. The unit may stop lifting but the lowering function can still be used.
Batteries are always discharged after only a few (3 to 5) transfers.	<ul style="list-style-type: none"> • Place the <i>Maxi Sky 2 Plus</i> under the charging station for a complete charging cycle of 8 hours. • If the ceiling lift does not detect the charging station, refer to page 39. • If problem persists, contact your Arjo agent for maintenance.

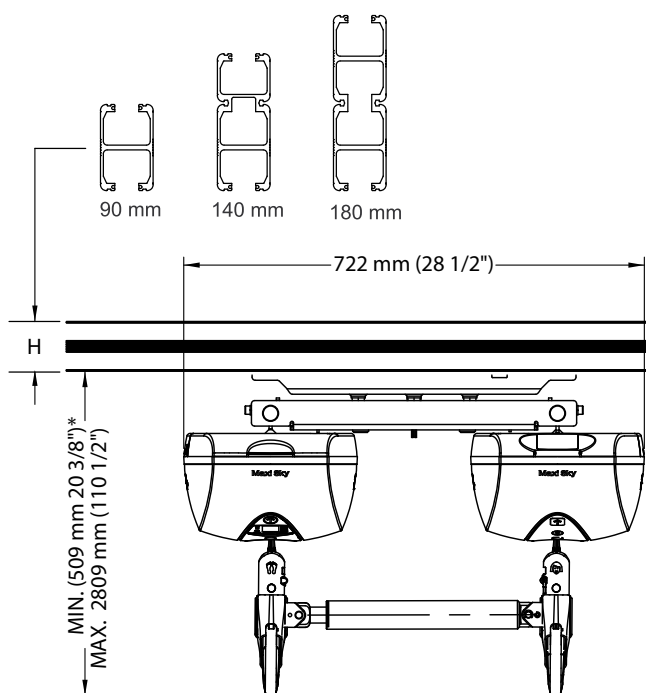
PROBLEM	TO CHECK
The display indicates good battery charge but when attempting to transfer the patient, the ceiling lift stops.	<ul style="list-style-type: none"> • Contact your local Arjo agent to have the batteries replaced.
The ceiling lift does not work when pressing the buttons on the hand control.	<ul style="list-style-type: none"> • Ensure the "Power On" switches on both ceiling lifts are pushed upward. • Check if the auxiliary UP/DOWN buttons of the ceiling lifts (located near the display) are working. If so, the problem may be coming from the hand control. Contact your local Arjo agent to have the hand control replaced.
Only the UP button on the hand control does not work, meaning no upwards motion in only one, or in both straps.	<ul style="list-style-type: none"> • Check if the straps are completely wound up inside the ceiling lifts. If so, the upwards motion has reached its highest point. • Check that the straps are not twisted, since this could activate the "end of stroke" limiter. • If the display indicates a malfunction code, contact your local Arjo agent. • Verify that the <i>Maxi Sky 2 Plus</i> is in "Dual Mode" (refer to page 34). • Check if the auxiliary UP button of the ceiling lift (located near the display) is working. If so, the problem may be coming from the hand control. Contact your local Arjo agent to have the hand control replaced.
Only the DOWN button on the hand control does not work, meaning no downwards motion in only one, or in both straps.	<ul style="list-style-type: none"> • Check if the strap is completely unwound out of the ceiling lift. If so, the downwards motion has reached its lowest point. • Check if there is more than 1.5 kg (3.3 lb) suspended to the lifting strap. The ceiling lift needs a minimum tension on the strap to operate. • Verify if the <i>Maxi Sky 2 Plus</i> is in Dual Mode (refer to page 34). • If unit display indicates a malfunction code, contact your local Arjo agent. • Check if the auxiliary DOWN button of the ceiling lift (located near the display) is working. If so, the problem may be coming from the hand control. Contact your local Arjo agent to have the hand control replaced.
Tilt motion is inverted (patient gets "seated" when recline button is activated and vice versa).	<ul style="list-style-type: none"> • Ensure that the leading ceiling lift (the one with the hand control) has a green Quick Connect adaptor (see "Fig. 78" on page 34). • Ensure that the Quick Connect with the green dot is connected to the green Quick Connect adaptor (see "Fig. 78" on page 34).

PROBLEM	TO CHECK
<p>Tilt function buttons on hand control (SIT/RECLINE) do not work, meaning that the tilt function cannot achieve the fully seated or fully reclined position.</p>	<ul style="list-style-type: none"> • Verify if the <i>Maxi Sky 2 Plus</i> is in Dual Mode (refer to page 34). • Maximum allowed height difference between spreader bars has been reached causing the sit or recline function to stop. • The software has calculated that a weight transfer shift between the ceiling lifts has caused one ceiling lift to become overloaded and has stopped the motion. This is a normal safety feature. The "Overweight" icon appears on the ceiling lift's display and the function causing the problem is prohibited. • With only the spreader bar connected to the <i>Maxi Sky 2 Plus</i> (i.e. no patient) and in Dual Mode, press on the UP button to raise the spreader bar to its highest position. This will reset the height difference calculation.
<p><u>With charging station</u></p> <p>The ceiling lift is not charging properly: charging cycle does not engage or the battery level never reaches at least 75% after a charging cycle.</p>	<ol style="list-style-type: none"> 1) Ensure that the ceiling lift is in Dual Mode and LED is enabled. 2) With battery symbol at 75% or less being displayed (on both ceiling lifts), move the ceiling lift away from under the charging station and bring it back underneath it: <ul style="list-style-type: none"> ◆ The battery symbol should scroll from depleted to full with green LED flashing for about 7 seconds. This confirms the detection of the charging station and that it is providing the proper voltage. ◆ If the above detection does not occur, go to step 4. 3) Leave the ceiling lift unused under the charging station for 8.5 hours in order to complete a full charging cycle (8 hrs) and allow sufficient time (30 minutes) for a self-diagnostic. <ul style="list-style-type: none"> ◆ After this time period, move the ceiling lift away from under the charging station. This should awaken both ceiling lifts and the battery symbols (on both ceiling lifts) should appear. If battery levels are at 100% or 75%, the charging system is fully operational. Otherwise go to step 6. 4) If possible, check that the chargers are plugged into a standard outlet and that the outlet has power. 5) If possible, check that the contact blades make good physical contact with the charging station. 6) If problem persists, contact your Arjo agent for maintenance.

PROBLEM	TO CHECK
<p><u>With ECS</u></p> <p>The ceiling lift is not charging properly: the charging cycle does not engage or the battery level never reaches at least 75% after a charging cycle.</p>	<ol style="list-style-type: none"> 1) Ensure that the ceiling lift is in Dual Mode and LED is enabled. 2) With battery symbol at 75% or less being displayed (on both ceiling lifts), momentarily press the DOWN button on the hand control and wait 30 seconds. <ul style="list-style-type: none"> ◆ The ECS symbol should appear (on both ceiling lifts) to indicate that the charging cycle has been initiated. If not, go to step 4. ◆ Move the ceiling lift along the entire track layout to ensure that ECS charging does get interrupted. 3) Leave the ceiling lift unused for 8.5 hours in order to complete a full charging cycle (8 hours) and allow sufficient time (30 minutes) for a self-diagnostic. <ul style="list-style-type: none"> ◆ After this time period, momentarily press the DOWN button on the hand control and observe the display after 15 seconds. Both ceiling lifts should wake up, and the battery symbols (on both ceiling lifts) should appear. If battery levels are at 100% or 75%, the charging system is fully operational. Otherwise go to step 5. . ◆ It is possible and normal that 20 seconds after waking up, the ECS symbol is displayed again and that a new charging cycle is initiated. 4) If possible, check that the chargers are plugged into a standard outlet and that the outlet has power. 5) If problem persists, contact your Arjo agent for maintenance.

Technical Specifications

Overall Dimensions



* When using a scale, add 156 mm to this dimension.

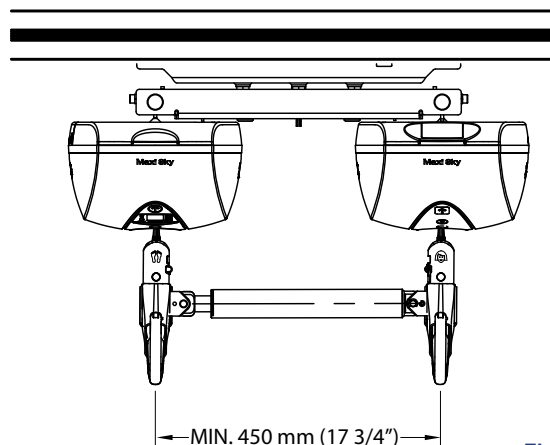
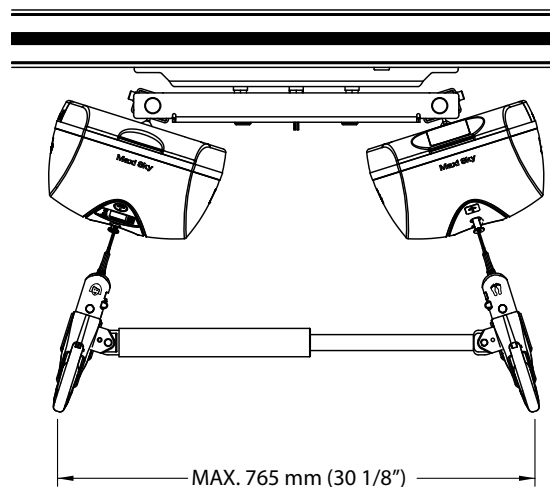
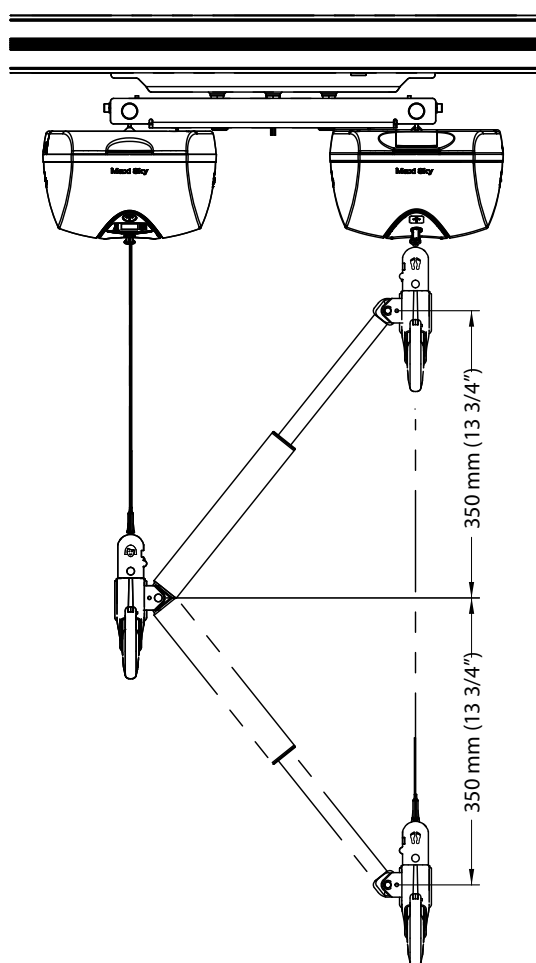
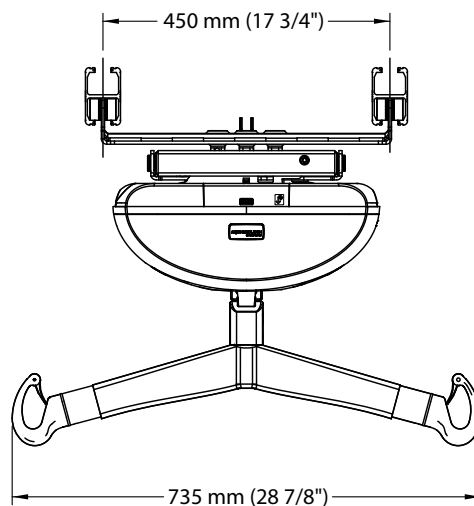


Fig. 82

Technical Data

PRODUCT INFORMATION		MAXI SKY 2 PLUS
Weight, complete (incl. trolley and two ceiling lifts)		51.6 kg (113.5 lb)
Weight, spreader bar		6.6 kg (14.5 lb)
Lifting capacity		Dual Mode 454 kg (1000 lb), Single Mode 272 kg (600 lb)
Strap length		2500 mm (98.4 in)
Lifting speed (Dual Mode)		4.3 cm/s (1.7 in/s) without load 3.4 cm/s (1.3 in/s) at 240 kg (528 lb) 3.0 cm/s (1.2 in/s) at 400 kg (880 lb) 2.9 cm/s (1.1 in/s) at 454 kg (1000 lb)
Maximum stroke (from ceiling)		2300 mm (90.6 in)
Horizontal displacement speeds		N/A, Manually operated
Operating force of control		< 5 N
Push and pull forces at 454 kg (1000 lb) Horizontal Movement and Rotation		< 60 N
ELECTRICAL		
Duty cycle		Up/Down Motor: Max 10%, 1 minute continuously Sit/Reclined Motor (Single Mode): Max 10%, 1 minute continuously
Horizontal displacement speeds		N/A
Vertical axis motor		24 VDC, 110 watts
Rating		24 VDC, 15 A max
Noise level for either raising or lowering, with or without load		58.2 dBA with no load, 65.3 dBA at 454 kg (1000 lb)
Medical equipment		Type BF protection against electrical shock in accordance with IEC 60601-1
WARNING: Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm to any part of the Maxi Sky 2 Plus, including cables specified by the manufacturer. Otherwise, performance degradation of this equipment could result. See the "Electromagnetic Compliance" section for more details.		
Battery type		12 V, 5 Ah, sealed rechargeable valve regulated lead acid battery
Battery capacity		Provides up to 110 transfers with a load of 200 kg (440 lb), up to 50 transfers with a load of 400 kg (880 lb) and up to 34 transfers with a load of 454 kg (1000 lb)
Degree of protection - hand control		IPX7
Degree of protection - Maxi Sky 2 Plus		IP24
Ceiling lift - protection class - shock prevention		Internally powered equipment
Battery charger input		100-240 VAC, 50-60 Hz, 57 – 70 VA
Battery charger output		28.1 VDC, 1 A max, 28.1 VA
Battery Charger safety protection		Class 2, double insulated
OPERATION, TRANSPORT AND STORAGE CONDITIONS		
Normal Operation		Ambient temperature range: 5°C to 40°C (41°F to 104°F) Relative humidity range: 15% to 93% Atmospheric pressure range: 700 hPa to 1060 hPa
Transport / Storage		Ambient temperature range: -40°C to 70°C (-40°F to 158°F) Relative humidity range: 10% to 93% non-condensing Atmospheric pressure range: 500 hPa to 1060 hPa
WARNING: This equipment is not suitable in the presence of flammable anesthetic mixtures with air or oxygen, or with nitrous oxide.		

Safe Disposal at End of Life

Package/Product	Corrugated cardboard, recyclable. Components that are primarily be made up of different kinds of metal (containing more than 90% metal by weight) for example sling bars, rails, upright supports, etc., should be recycled as metals.
Battery	All batteries in the product must be recycled separately. Batteries are to be disposed in accordance with national or local regulations.
Electrical and electronic components	Lift systems having electrical and electronic components or an electrical cord should be disassembled and recycled per Waste of Electrical and Electronic Equipment (WEEE) or in accordance with local or national regulation.
Slings	Slings including stiffeners/stabilizers, padding material, any other textiles or polymers or plastic materials etc. should be sorted as combustible waste.

Electromagnetic Compliance

The *Maxi Sky 2 Plus* has been tested for compliance with current regulatory standards regarding its capacity to block EMI (electromagnetic interference) from external sources.

Nonetheless, some procedures can help reduce electromagnetic interferences:

- Ensure that other devices in patient-monitoring and/or life-support areas comply to accepted emissions standards.
- Maximize the distance between electromedical devices. High-powered devices may produce EMI that can affect the lift.

For more information on how to manage the unit's RF electromagnetic environment, please consult the *AAMI TIR 18-1997 - Guidance on Electromagnetic Compatibility of Medical Devices for Clinical/Biomedical Engineers*.

WARNING: Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.

WARNING: The equipment may cause radio interference or may disrupt the operation of nearby equipment. It may be necessary to take action, such as reorienting, relocating the equipment or shielding the location.

WARNING: Use of accessories, cables and spare parts other than those specified or provided by Arjo could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.

Electromagnetic Emissions

GUIDANCE AND MANUFACTURER'S DECLARATION ELECTROMAGNETIC EMISSIONS - FOR ALL EQUIPMENT AND SYSTEMS		
The <i>Maxi Sky 2 Plus</i> is intended for use in the electromagnetic environment indicated below. The customer or the user of the <i>Maxi Sky 2 Plus</i> should ensure that it is used in such an environment.		
Emissions test	Compliance	Electromagnetic environment - guidance
RF emissions CISPR 11	Group 1	The <i>Maxi Sky 2 Plus</i> uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF emissions CISPR 11	Class B	The <i>Maxi Sky 2 Plus</i> is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	Class A	
Voltage fluctuations/ flicker emissions IEC 61000-3-3	Complies	

Electromagnetic Immunity

GUIDANCE AND MANUFACTURER'S DECLARATION ELECTROMAGNETIC IMMUNITY - FOR ALL EQUIPMENT AND SYSTEMS			
The <i>Maxi Sky 2 Plus</i> is intended for use in electromagnetic environment specified below. The customer or the user of the <i>Maxi Sky 2 Plus</i> should ensure that it is used in such an environment.			
Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment-guidance
Electrostatic discharge (ESD) IEC 61000-4-2	±8 kV contact ±15 kV air	±8 kV contact ±15 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrical fast transient/burst IEC 61000-4-4	±2 kV, AC Mains ±1 kV, I/O Ports 100 kHz repetition frequency	±2 kV, AC Mains ±1 kV, I/O Ports 100 kHz repetition frequency	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	±2 kV, AC Mains, Line to Ground ±1 kV, AC Mains, Line to Line	±2 kV, AC Mains, Line to Ground ±1 kV, AC Mains, Line to Line	
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	0 % U_T ; 0,5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° 0 % U_T ; 1 cycle and 70 % U_T ; 25/30 cycles Single phase: at 0° 0 % U_T ; 250/300 cycle	0 % U_T ; 0,5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° 0 % U_T ; 1 cycle and 70 % U_T ; 25/30 cycles Single phase: at 0° 0 % U_T ; 250/300 cycle	
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	30 A/m 50/60 Hz	30 A/m 50/60 Hz	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.
NOTE: U_T is the AC mains voltage prior to application of the test level.			

GUIDANCE AND MANUFACTURER'S DECLARATION ELECTROMAGNETIC IMMUNITY - FOR ALL EQUIPMENT AND SYSTEMS

The *Maxi Sky 2 Plus* is intended for use in electromagnetic environment specified below. The customer or the user of the *Maxi Sky 2 Plus* should ensure that it is used in such an environment.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment-guidance
Conducted RF IEC 61000-4-6	3 V outside ISM bands between 0.15-80 MHz 6 V inside ISM and amateur radio bands between 0.15-80 MHz	3 V outside ISM bands between 0.15-80 MHz 6 V inside ISM and amateur radio bands between 0.15-80 MHz	N/A
Radiated RF IEC 61000-4-3	10 V/m 80 MHz to 2.7 GHz	20 V/m 80 MHz to 2.7 GHz	N/A
Proximity fields from RF wireless communications equipment IEC 61000-4-3	380 - 390 MHz 27 V/m; PM 50%; 18 Hz 430 - 470 MHz 28 V/m; (FM ± 5 kHz, 1 kHz sine) PM; 18 Hz 800 - 960 MHz 28 V/m; PM 50%; 18 Hz 1700 - 1990 MHz 28 V/m; PM 50%; 217 Hz 2400 - 2570 MHz 28 V/m; PM 50%; 217 Hz 5100 - 5800 MHz 9 V/m; PM 50%; 217 Hz 704 - 787 MHz 9 V/m; PM 50%; 217 Hz	380 - 390 MHz 27 V/m; PM 50%; 18 Hz 430 - 470 MHz 28 V/m; (FM ± 5 kHz, 1 kHz sine) PM; 18 Hz 800 - 960 MHz 28 V/m; PM 50%; 18 Hz 1700 - 1990 MHz 28 V/m; PM 50%; 217 Hz 2400 - 2570 MHz 28 V/m; PM 50%; 217 Hz 5100 - 5800 MHz 9 V/m; PM 50%; 217 Hz 704 - 787 MHz 9 V/m; PM 50%; 217 Hz	N/A

UK SYMBOL EXPLANATION

This section is only applicable to United Kingdom (UK) market when UK marking is applied to the Arjo medical device labelling.



UK marking indicating conformity with UK Medical Devices Regulations 2002 (SI 2002 No 618, as amended)

UK Responsible Person & UK Importer:

Arjo (UK) Ltd, ArjoHuntleigh House, Houghton Regis. LU5 5XF

Is the appointed UK Responsible Person as defined in UK Medical Devices Regulations 2002 (SI 2002 No 618, as amended).

For Northern Ireland (NI) CE marking will still apply until further amendment to applicable regulations.

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At Arjo, we believe that empowering movement within healthcare environments is essential to quality care. Our products and solutions are designed to promote a safe and dignified experience through patient handling, medical beds, personal hygiene, disinfection, diagnostics, and the prevention of pressure injuries and venous thromboembolism. With over 6500 people worldwide and 65 years caring for patients and healthcare professionals, we are committed to driving healthier outcomes for people facing mobility challenges.



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