

User Guide SLK Multy Product Family



Basis UDI-DI 426064753AL0100001SY

SLK Multy Aktiv
SLK Multy Aktiv e
SLK Multy Conversion Kit Aktiv



Basis UDI-DI 426064753PL01000013Y

SLK Multy Universal
SLK Multy Universal e
SLK Multy Conversion Kit Universal

Table of Contents

| | |
|---|-----------|
| Welcome | 5 |
| General Information | 5 |
| Concept of the SLK Multy | 6 |
| SLK Multy Product Family | 7 |
| Intended Use and Reuse | 7 |
| Indication SLK Multy Aktiv | 8 |
| Indication SLK Multy Universal | 8 |
| Contraindication SLK Multy Aktiv | 8 |
| Contraindication SLK Multy Universal | 9 |
| Use in Wet Areas | 9 |
| Used Materials | 9 |
| Safety Information | 10 |
| Overview | |
| SLK Multy Aktiv | 12 |
| SLK Multy Universal | 13 |
| SLK Multy Conversion Kit Aktiv | 14 |
| SLK Multy Conversion Kit Universal | 14 |
| Type Label Information | 15 |
| Hoist Slings | |
| SLK Multy Aktiv | 16 |
| SLK Multy Universal | 16 |
| Accessories | |
| SLK Multy Aktiv and SLK Multy Universal | 17 |
| SLK Multy Aktiv | 17 |
| SLK Multy Universal | 17 |
| Scope of Delivery | |
| SLK Multy Aktiv | 18 |
| SLK Multy Universal | 18 |
| SLK Multy Conversion Kit Aktiv | 19 |
| SLK Multy Conversion Kit Universal | 19 |
| Assembly / Conversion of the SLK Multy | |
| Unpacking | 19 |
| Bolts with SL Clips | 20 |

| | |
|--|----|
| Installation of the Mast | 20 |
| Installation of the Pusher Bar | 21 |
| Telescoping the Mast | 21 |
| Telescoping the Mast up | 21 |
| Telescoping the Mast down | 22 |
| Mast in Middle Position | 23 |
| Ball Lock Pin | 23 |
| Safety Box | 23 |
| Installation of the Footboard for SLK Multy Aktiv | 24 |
| Installation of the Shin Support for SLK Multy Aktiv | 24 |
| Installation of the Lifting Arm | 25 |
| SLK Multy Aktiv | 25 |
| SLK Multy Universal | 25 |
| Installation of the Spreader Bar for SLK Multy Universal | 26 |
| Installation of the Actuator | 26 |
| Functions Test | 26 |
| Folding the SLK Multy | 27 |
| Conversion Kits | |
| Conversion of the SLK Multy Aktiv into SLK Multy Universal | 28 |
| Conversion of the SLK Multy Universal into SLK Multy Aktiv | 29 |
| Use | |
| Charge Battery Pack | 30 |
| Emergency-Stop Button | 31 |
| Emergency Lowering | 31 |
| Brakes | 32 |
| Hand Control | 32 |
| Hand Control Type I | 33 |
| Hand Control Type II | 33 |
| Control Box | 34 |
| Control Box Type I | 34 |
| Control Box Type II | 34 |
| Lifting Arm | 35 |
| Operation by Hand Control Type I | 35 |
| Operation by Hand Control Type II | 35 |
| Operation by Control Box Type I | 35 |
| Operation by Control Box Type II | 35 |
| Base Expansion | 36 |
| Manually by Pedal | 36 |
| Electrically by Hand Control Type I | 36 |

| | |
|---|-----------|
| Electrically by Hand Control Type II | 36 |
| Electrically by Control box Type I | 36 |
| Electrically by Control box Type II | 37 |
| Charging Status Symbol | 37 |
| Overload Symbol | 37 |
| Maintenance Display | 37 |
| Daily Use Checklist | 38 |
| Patient Transport with SLK Multy Aktiv | |
| Erecting | 40 |
| Transfer | 41 |
| Lowering | 41 |
| Patient Transport with SLK Multy Universal | |
| Lifting in Seated Position | 42 |
| 2-Point Spreader Bar | 42 |
| 4-Point Spreader Bar | 42 |
| 8-Point Spreader Bar | 42 |
| Lifting Patients in Supine Position | 43 |
| 2-Point Spreader Bar | 43 |
| 4-Point Spreader Bar | 44 |
| 8-Point Spreader Bar | 44 |
| Transfer and Lowering | 44 |
| Troubleshooting | 45 |
| Transport | 46 |
| Transport and Storage Conditions | 47 |
| Technical Data | 47 |
| Dimensions SLK Multy Aktiv | 48 |
| Dimensions SLK Multy Universal | 49 |
| Cleaning | 50 |
| Storage | 50 |
| Maintenance | 51 |
| Maintenance Plan | 52 |
| Conformity / Applicable Standards / EMC | 54 |
| Warranty / Guarantee | 54 |
| Useful life | 55 |
| Disposal | 55 |
| Article IDs of Spare Parts | 56 |
| Notes | 59 |
| Contact Details | 60 |

Welcome

Thank you very much for deciding to purchase a product of the company **SLK**. It has been developed with care by experts and tested and manufactured in accordance with the applicable guidelines and standards.

The company **SLK** uses **more than 80 percent green electricity generated on site exclusively from solar energy** for production, chemo-thermal conditioning, service and the remaining energy consumption. All workflows are optimized for **the maximum efficiency for the use of solar energy**. This is how the company makes a **significant contribution to the energy transition and climate protection** already today.

General Information

Before using the product, be sure to read the complete user guide. This is how you can prevent errors due to a lack of information.

Sections with headings highlighted in **bright grey** primarily address the **operator** (e.g., the medical supply store). Headings highlighted in **dark grey** address the **user** (e.g., the nurse). **Medium grey** means it is intended for **both addressees**.

Colored contents are particularly important to safety.

The models of the **SLK Multy product family** are **mobile Patient Hoists** for children, adults or heavy patients. These hoists are suitable for use in **home care**, in **nursing institutions** or **clinics**. Combined with the corresponding **SLK hoist slings**, they can be used by a nurse to carefully change the patient's position while the patient is lying down or sitting up, and it also **suitable for use in wet areas**.

In the development of our products, we place particular value on **user friendliness**. This of course also applies to this user guide, which is subject to continuous development and improvement. Therefore, you should always consult the **current version** for your product, which you can find on our website at **slk-gmbh.de**.

Concept of the SLK Multy

The **SLK Multy** is a modular hybrid hoist, which can be designed as an **active hoist** and as a **universal hoist**. This is done by attachment of a corresponding lifting arm and optional use of a footboard with shin support.

Our idea behind this is to provide a unique hoist to our customers that can also still be used as a highly functional **active hoist** when the patient still has a given mobility. If needed or when the patient's mobility decreases later on, the same hoist can be converted in **just a few steps** into a **fully fledged universal hoist/patient hoist**. For this purpose, the **SLK Multy Conversion Kit Aktiv** and the **SLK Multy Conversion Kit Universal** are available.

This saves you from buying a second hoist or a new hoist.

The **SLK Multy** has a **telescopic mast** to adjust its **height optimally to the respective function**. The height difference between the upper and the lower position of the mast is 340 mm.

If a **footboard with shin support** and an **lifting arm Aktiv** are attached, the **mast is locked in place at the bottom**, and the hoist can be used effectively as an **active hoist** to erect patients by making good use of a **low lifting arm pivot point**.

If the **lifting arm Universal** and a **spreader bar** are attached, the mast is locked in its **upper position**. The **SLK Multy Universal hoist** then makes good use of a **high lifting arm pivot point** to function as a **patient hoist**.

Besides this, there is a **middle position** for special applications. In this **position**, the hoist can be used as both an **active hoist** for large people as well as a **universal hoist** for particularly small patients and children.

We have received rights protection for the functional principle of the **SLK Multy** under a German utility patent (GPTO No.: 20 2017 003 987).

SLK Multy Product Family

This user guide applies to the following **patient hoists** of the **SLK Multy product family** and the related **conversion kits**:

| | | |
|---|-------------------|-------------|
| SLK Multy Aktiv | Article ID | 8008 |
| SLK Multy Aktiv e | Article ID | 8012 |
| SLK Multy Universal | Article ID | 8009 |
| SLK Multy Universal e | Article ID | 8013 |
| SLK Multy Conversion Kit Aktiv | Article ID | 8011 |
| SLK Multy Conversion Kit Universal | Article ID | 8010 |

The **model designation “e”** at the end refers to the model with electrical base expansion. Where information is given in this user guide that applies to **both universal models/active models, only SLK Multy Universal/SLK Multy Aktiv** is written; if information is given that applies to **all models**, it is referred to **SLK Multy** in general terms.

Intended Use and Reuse

The patient hoists of the **SLK Multy product family** are active medical devices of class 1 according to the Medical Devices Regulation (EU) 2017/745 (MDR).

The purpose of the **SLK Multy Aktiv hoists** is to provide **support** for the patient when **getting up, sitting down** and being **transferred** while the hoist is being operated **by a nursing professional**.

The purpose of the **SLK Multy Universal hoists** is providing **support to the nurse** when **changing positions, transferring** and **transporting** patients with restricted mobility inside of their residence.

The use requires an **SLK hoist sling**.

All **SLK Multy hoists** are **reusable medical devices**. They can be used again for another patient after cleaning.

Indication

SLK Multy Aktiv

The **SLK Multy Aktiv hoists** are used when the patient suffers from a **loss** and **restrictions of mobility** and is no longer able to sit up or switch seats by themselves. Sufficient body tension and residual mobility is required.

The **recommended body height** for the **SLK Multy Aktiv hoist** is **80 - 210 cm / 2 ft 7 in - 6 ft 1 in.**

Indication

SLK Multy Universal

The **SLK Multy Universal hoists** are used when the patient is **significantly or completely restricted and therefore unable to change their body position**. You make it easier for an assistant or nurse to change the patient's position and complete short transports within the residence. These hoists are used when active hoists or transfer aids no longer do the job.

The **recommended body height** for the **SLK Multy Universal hoist** is **80 - 210 cm / 2 ft 7 in - 6 ft 1 in.**

Contraindication

SLK Multy Aktiv

The application of patient hoists lets forces work on the body of the patient, which **cannot be tolerated by them in all clinical states** (e.g., spinal damages, advanced osteoporosis, unhealed bone fractures). Before every application of the **SLK Multy**, please evaluate the patient and their clinical state closely. **If you have any doubts, please ask the treating physician.** If the patient's body weight exceeds the indicated maximum load, the **SLK Multy** must not be used.

The **SLK Multy Aktiv hoist** is a transfer aid and **not a therapeutic device** for training the patient to stand up or walk on their own.

The SLK Multy patient hoist is not suitable for use by the patient on their own.

The application of patient hoists lets forces work on the body of the patient, which **cannot be tolerated by them in all clinical states**. Before every application of the **SLK Multy**, please evaluate the patient and their clinical state very closely. **If you have any doubts, please ask the treating physician.**

If the patient's body weight exceeds the indicated **safe working load**, the **SLK Multy** must not be used.

The SLK Multy patient hoist is not suitable for use by the patient on their own.

Use in Wet Areas

The **SLK Multy patient hoists** are **suitable for use in wet areas**, e.g., the toilet and the bathroom. The hoists are not suitable for use in the shower.

Used Materials

The structure is made of steel with a high-quality powder coating for corrosion protection.

The components of the electrical drive system are installed in protective cases made of ABS plastic. The safety of coming into contact with these components was proven pursuant to EN ISO 10993-5.

The metal parts of the actuator consist of chromed steel and anodized aluminum.

The stoppers are made of PE plastic.

Bolts and screws are made of common retail steels and are protected against corrosion by chrome VI-free zinc coating.

Safety Information

- **The SLK Multy hoists may be used exclusively for the purposes stated as the intended use.** They are not approved for lifting objects, and they are no toys. If this is disregarded, the hoist can be damaged and accidents may happen. Never leave children unattended near the hoist.
- **Do not exceed the permissible safe working load**, which you can find on the type labels of the hoist. If this is disregarded, the hoist can be damaged and accidents may happen.
- Before every application of the **SLK Multy**, check its readiness for use by means of the **"Daily Use Checklist"**. **(Page 38)** **In case of any irregularities, do not use the hoist and immediately contact your specialized dealer.**
- **The SLK Multy must not be modified in design and only be used with the SLK hoist slings intended for it. (Page 16)** For hoist slings of other manufacturers, a valid compatibility declaration must be available. Non-compatible slings and design modifications can result in damages on the hoist and accidents.
- The **SLK Multy** may only be used indoors on even, smooth surfaces and on one and the same floor of the building. Do **not drive over** high connection strips, carpet edges, cables or similar **obstacles**. Remove all obstacles before use. If this is disregarded, the hoist might overturn.
- Please ensure that **no one is near the hoist** (e.g., children) or pets during the use. They might be put in danger and be injured or themselves obstruct and imperil the transport process.
- Before lifting the patient, ensure that the **area of movement of the lifting arm is clear** and that it does not travel under door frames, book shelves or similar. The force of the lifting arm may damage furniture and therefore expose the patient and the nurse to a hazard.
- Ensure that the patient does not hold on to items of furniture or similar **during the lifting, lowering or transfer**. There are risks of injury from being crushed or from objects falling down.
- **For transferring the patient, hoist them up only as much as needed.** The lower the center of gravity, the greater the tilt stability.
- Move the **SLK Multy** slowly and evenly, at most at walking speed, and **avoid sudden changes of direction**. The hoist may overturn if

Safety Information

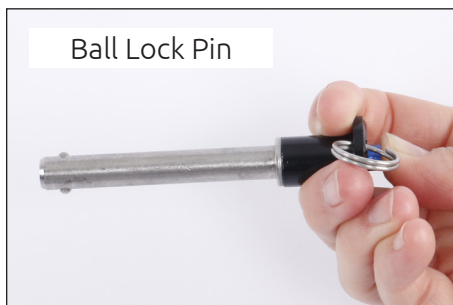
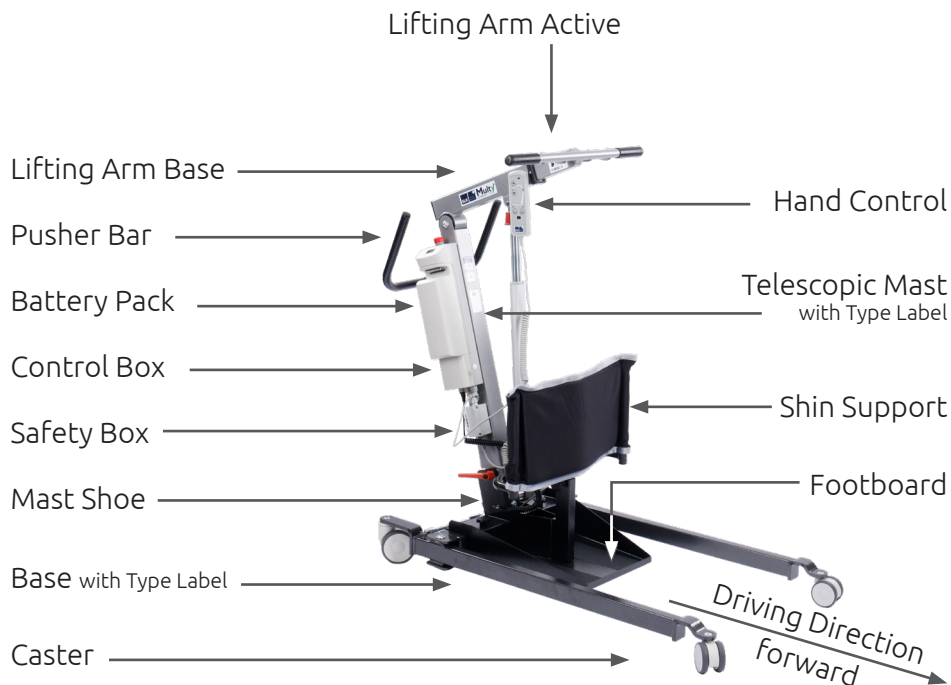
you move it too fast.

- Do not touch parts of the actuator while **navigating** the hoist. Improper loads can damage the actuator.
- **Never leave the patient unattended** during the use. There is a risk of accident.
- **If you pick up a patient from the floor, pay particular attention that none of the loops of the hoist sling are entangled under a hoist foot.** The force of the actuator can damage the lifting arm, causing a risk to the patient.
- The **SLK Multy patient hoists** are not suitable for use by the patient on their own.
- This also applies to the **charging of the battery pack** by means of the charger. **While it is plugged into the charger, the user must never touch the patient at the same time.**
- **The charger must be unplugged from the socket for cleaning and disinfection!**
- The hoist must not be used under running water, e.g., in a shower. **Penetrating moisture** can damage the electronics.
- The **annual maintenance** of your **SLK patient hoist**, including functions test with safe working load, must be conducted and documented by **trained personnel** at regular intervals. A hoist that does not receive regular maintenance services harbors a latent safety risk.
- The **packaging material** of our product must be kept away from children and be disposed of correctly. If applied improperly, it can be a hazard to the health of children and lead to death by suffocation.
- **The hoist is not EX-protected.** It may be operated only in normally composed atmospheric air.
- Please note the safety information on the **back side of the battery pack.**
- Keep a **minimum distance** of 3.3 m between the Patient Hoist and electronic devices (e.g., mobile phones). Interactions cannot be ruled out entirely.
- If a serious incident occurs **within the EU** in connection with this medical device, it must be reported to the manufacturer and the competent authority of the Member State in which the user/patient is established.

Overview

SLK Multy Aktiv / Aktiv e

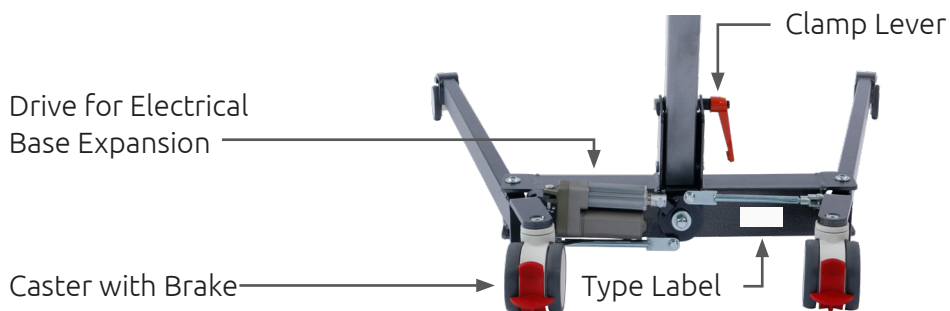
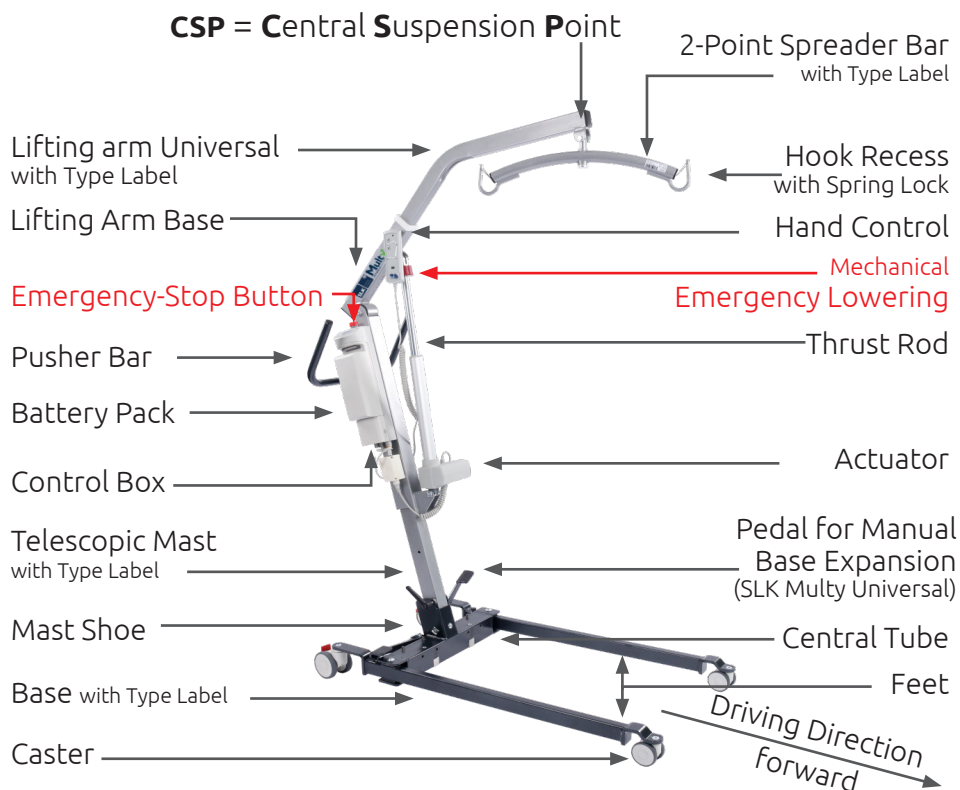
Depending on the model and development stage, your **SLK Multy Aktiv** may slightly differ in color and look from the figure below.



Overview

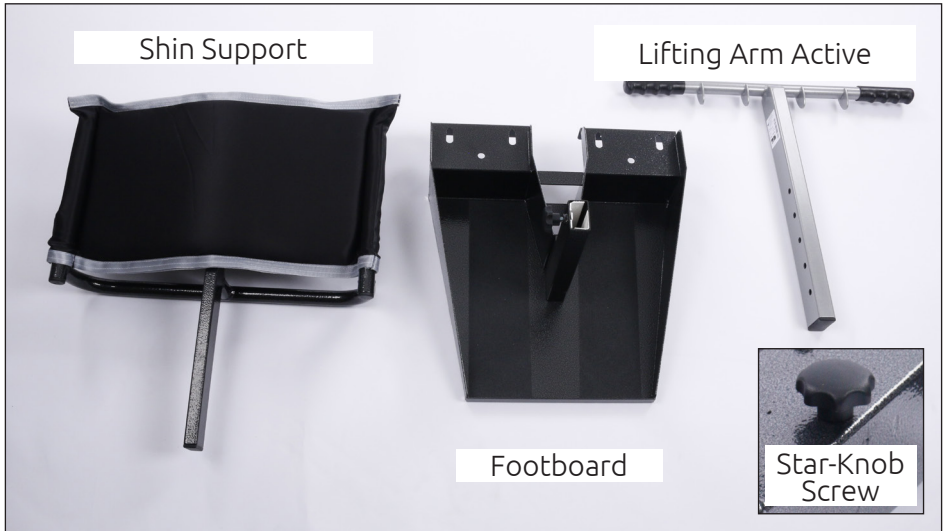
SLK Multy Universal / Universal e

Depending on the model and development stage, your **SLK Multy Universal** may slightly differ in color and look from the figure below.



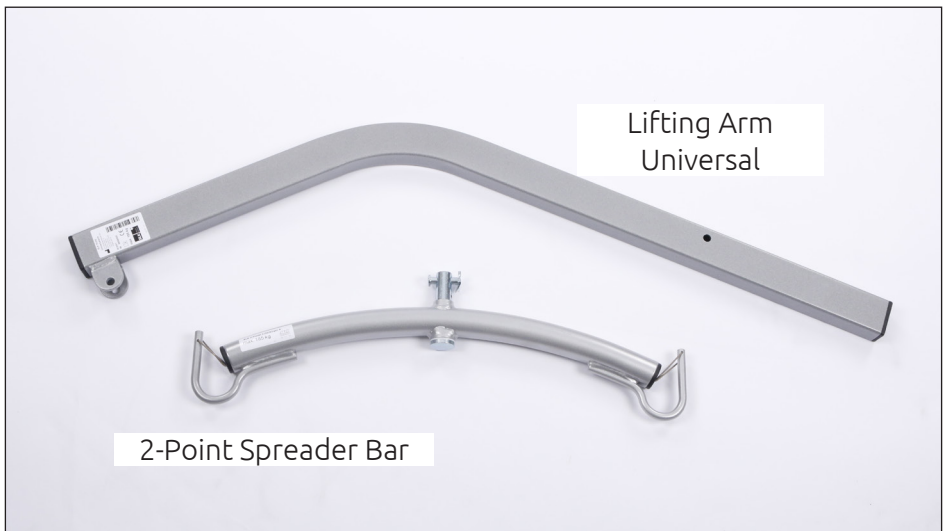
Overview

SLK Multy Aktiv Conversion Kit



Overview

SLK Multy Universal Conversion Kit



Type label Information



The **Manufacturer** is **SLK Vertriebsgesellschaft mbH.**



Date of Manufacture (e.g., **06/2020**)



Serial Number (e.g., **8002U12345**)

4-digit article ID, one letter, 5-digit unique number for identification and traceability.



Medical Device

with European Declaration of Conformity



Use only **indoors**.



Protection type: **Double Protective Insulation**

IP 24

IP = Ingress Protection DIN EN 60539

Ingress Protection against **Solid Objects Level 2**
($\geq \varnothing 12.5$ mm)

Ingress Protection against **Liquids Level 4**
(spray water from all sides.)

32 W

The **Power Consumption** from the grid during charging is **32 Watt**.

max. xxx kg

Safe Working Load (For weights in **st** or **lbs** look at **page 47**)



Observe the User Guide.

**2 min. ON,
18 min. OFF**

Intermittent Duty: After 2 minutes operating time of the electrical system, a break of 18 minutes must follow to prevent damage on the electrical components.

SLK Hoist Slings for **SLK Multy Aktiv Patient Hoist**:

- **SLK Active Sling Eco (size M/L)**
- **SLK Active Sling (sizes S to XXL)**
- **SLK Special Active Sling (sizes S to L)**
- **SLK Special Active Sling with Seat Swivel (sizes S to XXL)**

The following **SLK Hoist Slings** are provided on the **SLK Multy Universal patient hoists**:

- **SLK Universal Sling Eco (size M/L)**
- **SLK Universal Sling (sizes XXS to 4XL)**
- **SLK Universal Sling with Headrest (sizes XXS to XXL)**
- **SLK Universal Bathroom Sling (sizes XXS to 4XL)**
- **SLK Universal Bathroom Sling with Headrest (sizes XXS to XXL)**
- **SLK Quick Transfer and Toilet Sling (sizes XXS to XL)**
- **SLK Toilet Sling (sizes S to 4XL)**
- **SLK Hammock Universal Sling (sizes S to 4XL)**
- **SLK Hammock Bathroom Sling (sizes S to 4XL)**
- **SLK Hammock Seat Pan Sling (sizes XXS to 4XL)**
- **SLK Comfort Lying Sling (sizes S to XXL)**
- **SLK Comfort Lying Bathroom Sling (sizes S to XXL)**
- **SLK Back-Fix Sling (sizes S to XL)**
- **SLK Back Fix Bathroom Sling (sizes S to XL)**
- **SLK Maxi Sling (sizes XXL to 4XL)**
- **SLK 8-Point Lying Sling (one size)**

More information, a size table and article IDs for the **SLK Hoist Slings** can be found in our full catalogue or on our website at www.slk-gmbh.de. You can find the slings and their article IDs in the product area for **Patient Lifting Systems**.

Accessories

SLK Multy Aktiv and Universal

- | | |
|---|-----------------|
| • SLK Charger Type I | article ID 8633 |
| • SLK Charger Type II | article ID 8450 |
| • SLK Charging Station Type I | article ID 8634 |
| • SLK Charging Station Type II | article ID 8454 |
| • SLK Charging Station with Charger Type II | article ID 8390 |
| • SLK Battery Pack 3,25 Ah Type I | article ID 8632 |
| • SLK Battery Pack 5.0 Ah Type II | article ID 8442 |
| • SLK Weight Test Trolley up to 220 kg | article ID 5470 |

Accessories

SLK Multy Aktiv

- | | |
|------------------------|-----------------|
| • SLK Narrow Calf Band | article ID 8094 |
|------------------------|-----------------|

Accessories

SLK Multy Universal

The **SLK Multy Patient Hoists** are delivered by standard including one **SLK 2-Point Spreader Bar**. The following **accessories** can be used optionally:

- | | |
|--|-----------------|
| • SLK 8-Point Spreader Bar 185 | article ID 8062 |
| • SLK 4-Point Spreader Bar X | article ID 8060 |
| • SLK 4-Point Spreader Bar H | article ID 8064 |
| • SLK Impact Protector for Lifting Arm | article ID 5464 |
| • SLK Extension Loops | article ID 5719 |
| • SLK Hoist Scale 300 kg | article ID 5186 |
| • SLK Calibratable Hoist Scale 300 kg | article ID 5183 |

In any combination, always note the safe working load! Accessories and hoists can have different carrying capacities. The **lowest carrying capacity is always binding!**

A list of **figures and spare parts** and the related **article ID** can be found on **pages 56 - 59**.

Scope of Delivery

SLK Multy Aktiv



- Mast with Lifting Arm Base, Drive System and Hand Control
- Multy Aktiv Hoist Lifting Arm
- Battery Pack
- Base
- Shin Support
- Footboard
- Pusher Bar, 4 Screws and Allen Key
- Charger
- User Guide
- Final inspection label

Scope of Delivery

SLK Multy Universal



- Mast with Lifting Arm, Drive System and Hand Control
- Multy Universal Hoist Lifting Arm
- Battery Pack
- Base
- 2-Point Spreader Bar
- Pusher Bar, 4 Screws and Allen Key
- Charger
- User Guide
- Final inspection label

Scope of Delivery SLK Multy Aktiv Conversion Kit

- **Active Hoist Lifting Arm**
- **Shin Support**
- **Footboard, 3 Star-Knob Screws**
- **User Guide**
- **Final inspection label**



Scope of Delivery SLK Multy Universal Conversion Kit

- **Universal Hoist Lifting Arm**
- **2-Point Spreader Bar**
- **User Guide**
- **Final inspection label**

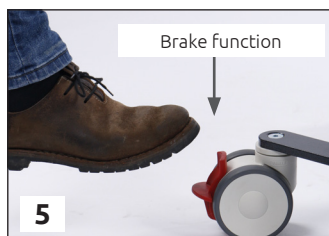


Assembly

Unpacking

The **SLK Multy Aktiv** and **SLK Multy Universal Patient Hoists** can be fully assembled without additional tools.

- **Open** the box and, if possible, hold on to it in case you want to put the product into storage.
- Undo the **cable ties**. To be safe, use a cutter or scissors **but not a knife!**
- **Extract** the unit comprising the lifting arm base and the mast and put them aside.
- **Take** the base out of the box. While you do so, have **a second person help you** or **use lifting gear**.
- **Engage both brakes** on the rear casters. (*Fig. 5*)





The **SLK Multy Patient Hoists** are fitted with bolts on the mast shoe, drive and on the connecting part between the spreader bar and the lifting arm.

Bolts with SL clips.



This enables **assembly and disassembly** of these components **without the use of tools**.



- View in assembled condition. The **SL clip** can be turned easily. **(Fig. 6)**
- **Bend** the front tab **outward** over the contour of the bolt. **(Fig. 7)**
- **Slide** the **SL clip** with bent tab **out of the groove**. **(Fig. 8)**
- The bolt can now be removed.



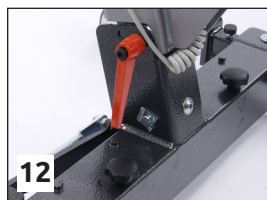
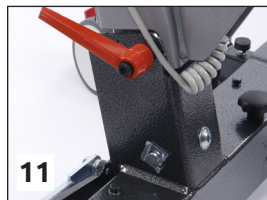
Information on bolts with SL clips: at the top.



- Remove the **M 12 screw** with the **orange clamp lever** and the **12 mm bolt with SL clips** from the mast shoe **(Fig. 9)** and place the parts **within reach next to the base**. **(Fig. 10)**
- Stand behind the hoist and put the **mast** (lifting arm base facing front) **into the mast shoe** of the base and **hold it until both bolts are installed**.
- Align the mast with the **upper, front hole**

in the mast shoe and insert the M 12 screw **to the stop from the left**. Screw on the orange clamp lever onto the M 12 thread but **do not fasten it yet**.

- Insert 12 mm bolt into the **bottom hole** and **push them through completely** (if needed, move the mast slightly), **secure with the SL clip**. (Fig. 11)
- Now fasten the orange clamp lever **tightly with both hands** and, if necessary, pull it out slightly and tilt it downward. (Fig. 12)



Assembly

Installation of the Pusher Bar

- **Unpack pusher bar** and **screw it firmly** onto the mast with the four screws, using the Allen key that is part of the delivery. (Fig. 13)



Assembly/Conversion

Telescoping the Mast

For the **assembly and conversion** of the **SLK Multy**, the mast **must be telescoped up**.

The mast cannot be telescoped under load.

Information on ball lock pins: page 23.



Telescoping the Mast up

- Stand **behind the SLK Multy** and step with your **left foot** onto the **small left pedal** on the mast. (Fig. 14)
- **Press and hold down** the **button in the middle of the ball lock pin**. (Fig. 15)



- **Pull the bolt** out of the mast. Take your **foot off the pedal** and **take a step back**. The mast is pushed up slowly by a gas pressure spring, much like the lid on the trunk of a car. *(Fig. 16)*



- **Secure** the mast in its **top position** again **by inserting the bolt** in the hole on the mast. It may be required for this to move the outer mast slightly up or down. *(Fig. 17)*

Telescoping the Mast down



- To telescope the mast back into the **lower position**, stand behind the **SLK Multy. Step** with your **left foot** onto the **small left pedal** on the mast and pull out the **ball lock pin**. *(Fig. 18)*



- **Push down** the mast. You can use your hands on the pusher bar to support this. *(Fig. 19)*



- **Secure** the mast in its **bottom position** by **inserting the bolt** in the hole on the mast. To do so, it may be necessary to move the outer mast slightly up or down. *(Fig. 20)*

Proceed in the same manner if you want to fix the mast in place in its **middle position**. *(Page 23, at the top)*

Mast in Middle Position

This position is used only in exceptions, e.g., if a very large patient is sat up using the **SLK Multy Aktiv** or when a small patient or child is to be picked up and transported with the **SLK Multy Universal**. (Fig. 21)



Ball Lock Pin

Two ball lock pins of different lengths are installed in your **SLK Multy**. One **4-cm long pin** secures the lifting arm, one **6-cm long pin** secures the mast. (Fig. 22)



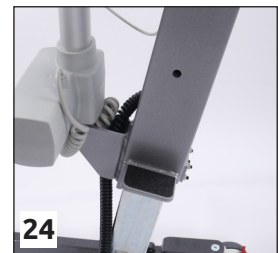
- To get the pin out of its fixation, **press the button in the middle**. While you are pulling out or inserting the pin, you must **hold down** the button.



Safety Box

The **correct position** of the ball lock pin on the mast is detected by an electric switch in the **safety box**. It is below the control box. (Fig. 23)

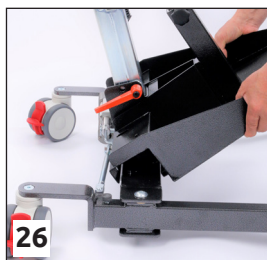
This **safety switch** prevents that the **SLK Multy** is operated even though the mast is not secured correctly with the pin.



If the pin **is missing** (Fig. 24) or if it is **not inserted to the stop** (Fig. 25), the electrical lifting functions are **blocked**. This applies to **all three positions** of the mast.

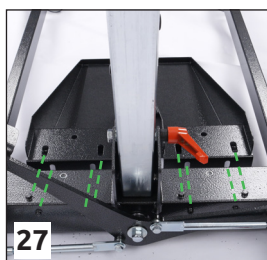


Assembly/Conversion Installation of the Footboard



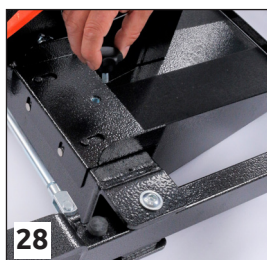
To get space for the assembly of the footboard, **telescope the mast up. (Page 21)**

Take the footboard and hook it into the central tube of the base as follows:



- Approximate the footboard to the mast at an approx. **45° angle. (Fig. 26)**

- Pay attention that the **recesses** in the footboard are aligned **with the pins in the central tube. (Fig. 27)**



- First hang the footboard with the **long holes onto the studs on the backside** of the central tube.
- Then lower the footboard until it is **fitted horizontally on the central tube**. Screw it tightly onto the central tube through the two holes using the two **star-knob screws. (Fig. 28)**

Assembly/Conversion Installation of the Shin Support



- Remove the **star-knob screw**.
- Push the **square tube** of the shin support **into the recess. (Fig. 29)**
- **Fasten** it with the **star-knob screw**. The height of the shin support depends on the length of the patient's legs. **(Page 40)**

Assembly/Conversion Installation of the Lifting Arm

Information on ball lock pins: page 23.

Lifting Arm SLK Multy Aktiv

The **lifting arm Multy Aktiv** may be used **only in combination** with the **footboard** and the **shin support**. The **mast** must be fixed in place for this in the **lower position**. **(Exception: see page 23)**

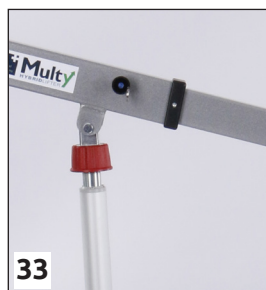
- Push the **SLK Multy Aktiv lifting arm** into the lifting arm base. There are **several possibilities**. Adjust the lifting arm to the patient's needs. **(Fig. 30)**
- **Secure** it with the **4 cm ball lock pin**. **(Fig. 31)**
- To **remove the lifting arm**, remove the ball lock pin and pull the lifting arm out of the hoist arm base.



Lifting Arm SLK Multy Universal

The **lifting arm Multy Universal** must not be used **together** with the **floorboard** and the **shin support**. The **mast** must be fixed in place in the **upper position**. **(Exception: see page 23)**

- Push the **SLK lifting arm Multy Universal** into the lifting arm base. **(Fig. 32)**
- **Secure** it with the **4 cm ball lock pin**. **(Fig. 33)**
- To **assemble the lifting arm**, first remove the ball lock pin and pull the lifting arm out of its base.



Assembly/Conversion Installation of the Spreader Bar



Information on bolts with SL clips: page 20.

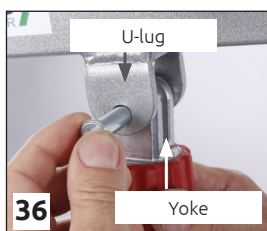
- Remove the **hoist bolt with Teflon washer** from the end of the lifting arm.
- Slide it **through the middle of the spreader bar** from the bottom to the top and mount it back onto the lifting arm. **(Fig. 34)**

Assembly Installation of the Actuator



Information on bolts with SL clips: page 20.

- **Telescope** the mast up. **(Page 21)**
- **Swivel lifting arm up** and **place it onto the shoulder.** **(Fig. 35)**
- **Hold the actuator and remove the SL clip of the 10 mm bolt** from the upper end of the thrust rod.
- **Pull out the bolt.**
- Insert the **yoke** of the motor into the **U-lug** on the lifting arm. **(Fig. 36)**
- Mount it with a **bolt and SL clip.**



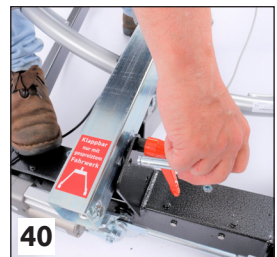
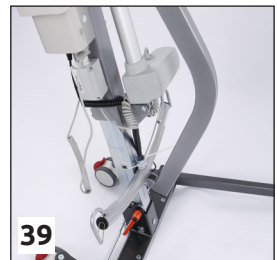
Assembly Functions Test

- **Unlock the emergency-stop button** by turning it clockwise **(Page 31)** to test the function of the **SLK Multy.**
- By pressing and holding down the **button A** on the Hand Control, move up once to the **upper limit stop** and move down to the **bottom limit switch** by pressing and holding down **button B.** **(Page 32/33)**
- Charge the hoist **fully** for use. **(Page 30)**

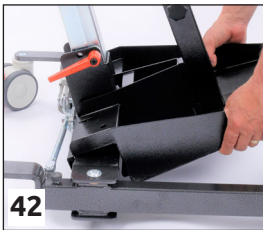
Folding the SLK Multy Universal

The **SLK Multy Patient Hoists** can be folded up **without tools**. This makes it easy to push the hoist including spreader bar, and it saves space when you lean it against a wall. (*Page 46, Fig. 91*)

- **Expand** the **base** and **activate** the **brakes** on the rear casters.
- Stand between the **hoist feet**, facing the **mast**. Place the **lifting arm** on one of your **shoulders**. (*Fig. 37*)
- **Disconnect** the actuator from the lifting arm. (*Page 26*)
- Retract the actuator **completely** and **fasten** it with cable ties **on the side** of the mast. (*Fig. 38*)
- Swivel **down the lifting arm**, fold in the spreader bar toward the lifting arm and **fasten both** on the mast with a cable tie. (*Fig. 39*)
- Loosen the orange clamp lever by **about one rotation**.
- Remove the SL clip from the 12 mm bolt. **Hold on to the mast with one hand** and pull out the 12 mm bolt with the other hand.
- Swivel the mast down until the **second hole** for the folded assembly appears at the mast shoe hole. (*Fig. 40*)
- Push in the 12 m bolt through here and **secure** it with the **SL clip**.
- For transport, *please see page 46*.



Conversion of the SLK Multy Aktiv into SLK Multy Universal



To make the active hoist **SLK Multy Aktiv** into a **universal hoist**, use the **SLK Multy Universal Conversion Kit**. (*Page 19, fig. 4*) The hoist can be reconverted into an active hoist at any time with just a few steps.

- Bring the **mast** into the **upper position**. (*Fig. 41*)

Find more information on “Telescoping the mast” on pages 21 - 23.

- Remove the footboard **with** the shin support. (*Fig. 42*)

Find more information on the “Footboard” and “Shin support” on page 24.

- Dismount the active hoist lifting arm. (*Fig. 43*)

Find more information on the “Lifting Arm SLK Multy Aktiv” on page 25.

- Mount the Universal Hoist lifting arm. (*Fig. 44*)

Find more information on the “Lifting Arm SLK Multy Universal” on page 25.

- Mount the spreader bar. (*Fig. 45*)

Find more information on the “Spreader bar” on page 26.

Your **SLK Multy Aktiv** is now converted into an **SLK Multy Universal** and can now be used as a **universal hoist**.

Conversion of the SLK Multy Universal into SLK Multy Aktiv

To make the universal hoist **SLK Multy Universal** into an **Active hoist**, use the **SLK Multy Aktiv Conversion Kit**. (Page 19, fig. 3)
The hoist can be reconverted into a universal hoist at any time with just a few steps.

- Bring the **mast** into the **upper position**. (Fig. 46)

Find more information on “Telescoping the mast” on pages 21 - 23.

- Demount the Universal Hoist lifting arm **together** with the spreader bar. (Fig. 47)

Find more information on the “Lifting Arm SLK Multy Universal” on page 25.

- Insert the footboard. (Fig. 48)

Find more information on the “Footboard” on page 24.

- Mount the shin support. (Fig. 49)

Find more information on the “Shin support” on page 24.

- Mount the Active Hoist lifting arm. (Fig. 50)

Find more information on the “Lifting Arm SLK Multy Aktiv” on page 25.

Your **SLK Multy Universal** is now converted into an **SLK Multy Aktiv** and can now be used as an **Active hoist**.



Charge the battery pack fully before first use.

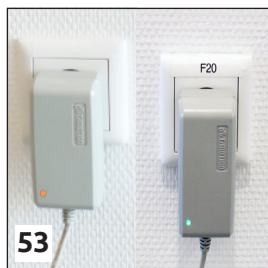


- To **charge** the battery pack, the **emergency-stop button must be released.** (Page 31)

When the emergency-stop button is pressed down, the charging operation will not work.



- Open the silicon stopper and **connect** the charger with the control box. (Fig. 51)
- The **collar of the plug** must be flush with the housing. (Fig. 52)
- Plug the **power plug** of the charger into a socket. **Please notice the safety information on pages 10 and 11.**



- During charging, the **LED** on the charger will be lit in **orange**. The display changes to **green** as soon as **at least 80%** of the charged condition is reached (Fig. 53). The **batteries should never be exhaustively discharged** because this can cause damage to them. **The charging time is approx. 4 hours.** It is a good idea to charge the battery pack overnight. It is **protected against overcharging.**



- The actuators of the **SLK Multy do not function during the charging operation.**
- To charge the battery pack, the **SLK Multy wall-mounted charging station (Fig. 54)** can be used.

See page 17 for accessories.

To extract the **battery pack**, proceed as follows:

- Put your hand into the **recessed grip** and press the **unlocking button** up. *(Fig. 55)*
- **Pull** the battery pack **towards you**.



Use

Emergency-Stop Button

Using the **emergency-stop button**, the lifting or lowering movements of the **SLK Multy Hoist** can be stopped instantly **if there is danger**.

- To do so, press the **red knob down**. When the danger is removed, release the emergency-stop button by turning it clockwise. *(Fig. 56)*
- If the hoist is to be **transported** or **put into storage**, **always** press the **emergency-button downward**. This is how unintentional movements on accidental activation of the Hand Control are avoided.



Use

Emergency Lowering

If the Hand Control is defective, the **electrical emergency lowering function** can be triggered by means of the control box **(arrow down)**. If the control box or the battery pack or the Hand Control are defective, the **SLK Multy Patient Hoist** can also be **lowered manually**:

- Press the **red ring** on the upper end of the thrust rod **down and turn it clockwise**. This lowers the lifting arm. *(Fig. 57)*





The brakes of the **SLK Multy Patient Hoist** are installed **on the rear casters**. **Always use both brakes** to brake the hoist.

- Step from the top onto the brake pedal until it **locks**. **(Fig. 58)**
- Release the brake by **lifting** the brake pedal again with the tip of your foot or by **tapping it horizontally** with the tip of your foot. **(Fig. 59)**



Depending on the model and drive type, your **SLK Multy Patient Hoist** is equipped with either a **Hand Control Type I (fig. 60)** or a **Hand Control Type II (fig. 61)**. **(Page 33)**

Hand Control Type I is always combined with **Control Box Type I**.
Hand Control Type II is always combined with **Control Box Type II**.

Compare the figures to your hoist to find the matching instruction.

The buttons of both Hand Controls work **by tapping on them**. When the **button is pressed and held down**, the respective motor moves and when it is released, **the movement** of the lifting arm or base expansion stops.

The Hand Control can be fastened on the backside on all steel parts of the hoist by means of an **integrated magnet**.

Hand Control

Type I

Overload Symbol: Maximum load exceeded

Button A: Lifting arm moves up

Button B: Lifting arm moves down

Button C: Base is expanded

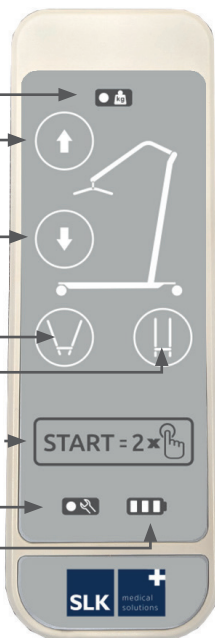
Button D: Base is narrowed

Wake-up Control Box: Press any optional button once.
Function starts when you press the **second time**.

Maintenance Symbol

Charging Status Symbol

60



Hand Control

Type II

Overload Symbol: Maximum load exceeded

Button A: Lifting arm moves up

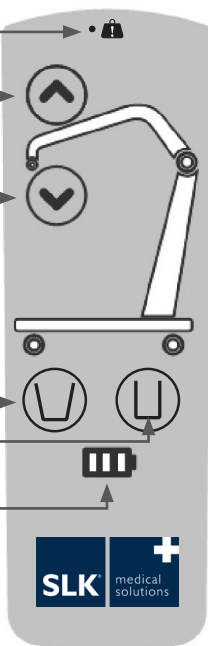
Button B: Lifting arm moves down

Button C: Base is expanded

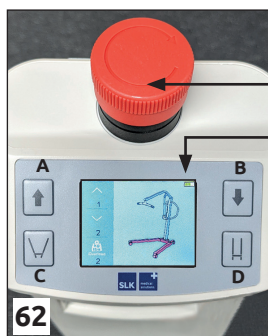
Button D: Base is narrowed

Charging Status Symbol

61



The **SLK Multy Patient Hoists** can also be operated by tapping on the control box. Your hoist is equipped with a **control box Type I (fig. 62)** or **Type II (fig. 63)**. Compare the figures to your hoist to find the matching instruction.



Control Box

Type I

Emergency-Stop Button

Charging Status Symbol (while display is active)

Button A: Move lifting arm up

Button B: Move lifting arm down

Button C: Expand base

Button D: Locking the base



Control Box

Type II

By **pressing** one of the two **buttons A or B** quickly (< 0.5 sec.), the **next menu item** is called up.

The display shows the symbol for the function that is currently active. (Fig. 64-66)

By **pressing** the **buttons A or B** longer (> 0.5 sec.), the respective **motor moves**.



1. Lifting Arm (Fig. 64)

Button A: Move lifting arm up

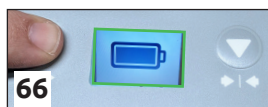
Button B: Move lifting arm down



2. Base Expansion (optional) (Fig. 65)

Button A: Expand base

Button B: Locking the base



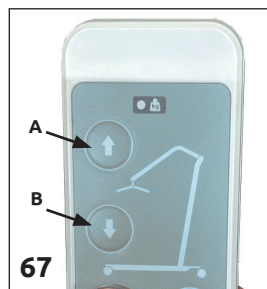
3. Charging Status Symbol (Fig. 66)

To move the lifting arm on your **SLK Multy Patient Hoist**, you can use either the Hand Control or the control box.

Operation by Hand Control

Type I

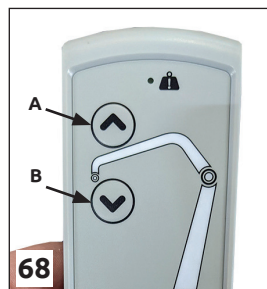
- **Press** any optional **button (A, B, C or D)** to wake up the **control box**. (*Page 33, at the top*)
- **Press and hold down button A** to move the lifting arm up. (*Fig. 67*)
- **Press and hold down button B** to move the lifting arm down. (*Fig. 67*)



Operation by Hand Control

Type II

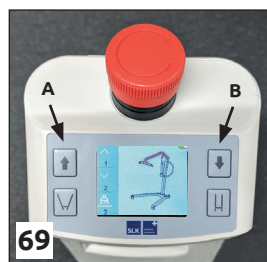
- **Press and hold down button A** to move the lifting arm up. (*Fig. 68*)
- **Press and hold down button B** to move the lifting arm down. (*Fig. 68*)



Control by Control Box

Type I

- Press and hold down **button A** to move the lifting arm up. (*Fig. 69*)
- **Press and hold down button B** to move the lifting arm down. (*Fig. 69*)

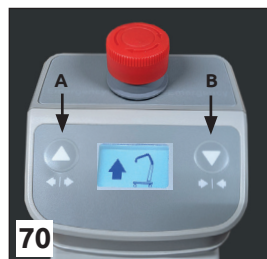


Control by Control Box

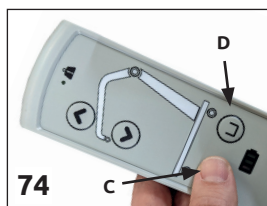
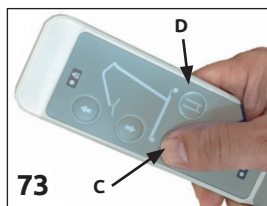
Type II

Select the desired function by **pressing button A or B** quickly (< 0.5 sec.) (*Fig. 64/65*)

- **Press and hold down button A** to move the lifting arm up. (*Fig. 70*)
- **Press and hold down button B** to move the lifting arm down. (*Fig. 70*)



To **improve stability** and simplify **access** to wheelchairs and other seats, the bases of the **SLK Multy Patient Hoists** are equipped with feet that can be expanded by means of a pedal or electric drive depending on the model.



Manually by Pedal

- **Step** on the **left side of the pedal in driving direction** to expand the base. **(Fig. 71)**
- **Step** on the **right side of the pedal in driving direction** to retract the base again. **(Fig. 72)**

Electrically by Hand Control

Type I

- **Press** any optional **button** to **deactivate the standby mode**.
- **Press and hold down button C** to expand the base. **(Fig. 73)**
- **Press and hold down button D** to retract the base. **(Fig. 73)**

Electrically by Hand Control

Type II

- **Press and hold down button C** to expand the base. **(Fig. 74)**
- **Press and hold down button D** to retract the base. **(Fig. 74)**

Electrically by Control Box

Type I

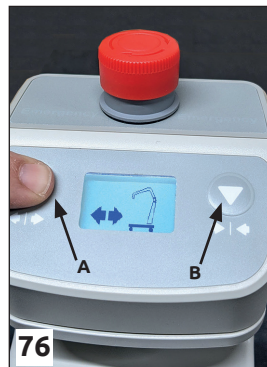
- **Press and hold down button C** to expand the base. **(Fig. 75)**
- **Press and hold down button D** to retract the base. **(Fig. 75)**

Electrically by Control Box

Type II

Select the desired function by **pressing button A or B** quickly (< 0.5 sec.). **(Fig. 65)**

- **Press and hold down button A** to expand the base. **(Fig. 76)**
- **Press and hold down button B** to retract the base. **(Fig. 76)**



Use

Charging Status Symbol

The LEDs of the charging state symbols on the Hand Control or in the display of the control box show the **charging status during operation**.

1 bar = charging required

2 bar = battery pack has medium charge

3 bar = battery pack if fully charged

When the **display switches to red**, the started lifting process can still be completed, **but the battery pack must be charged afterwards**. **(Page 30)**

Use

Overload Symbol

If the **permissible safe working load (type label)** is exceeded, the **overload symbol** lights up. **Immediately discontinue** the lifting process and use a hoist with a higher safe working load.

Use

Maintenance Display

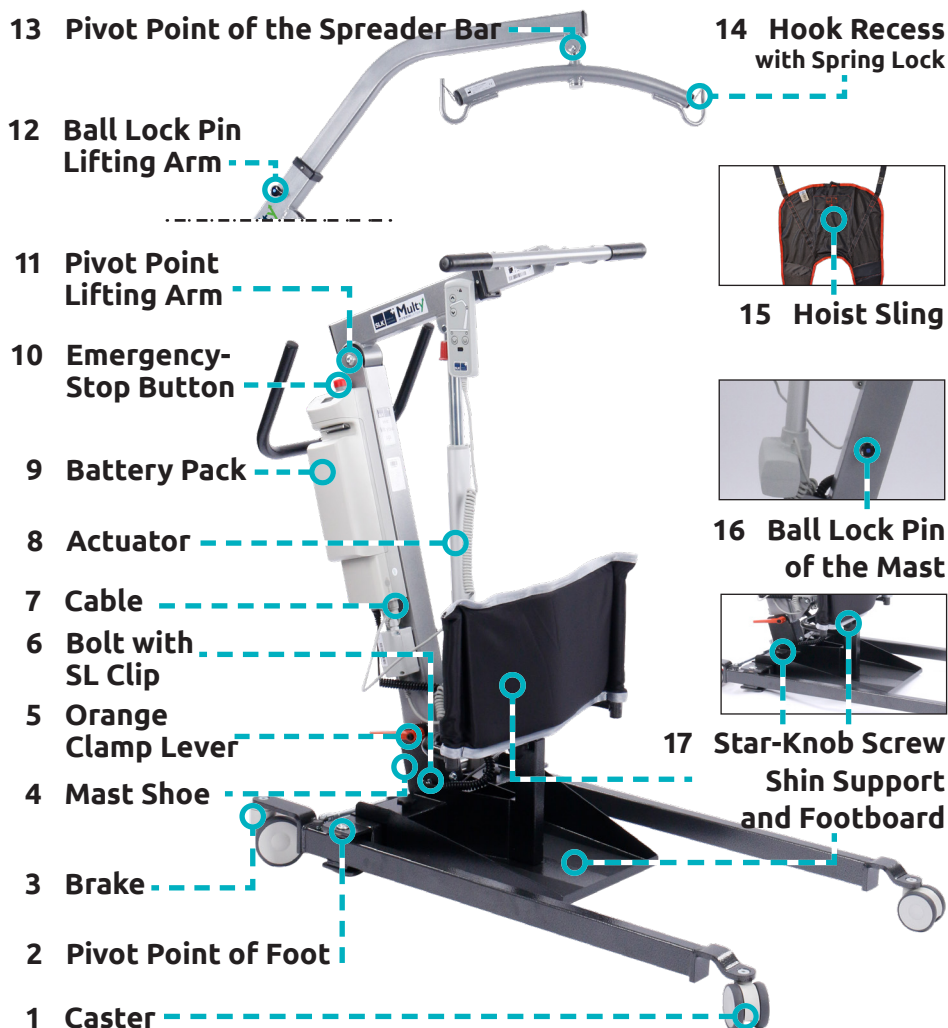
If the **maintenance display** on the control box or Hand Control Type I lights up, contact your authorized dealer **immediately**.

A visual inspection should be done before each use. To do so, check off the points on the checklist **one by one**. If you practice this procedure routinely, your attention to discrepancies from the normal state will be sharpened. You can assure yourself of the safe condition of the **SLK Patient Hoist** before each use in a minimum of time. This will improve your own safety as well as the safety of the patient.

1. Are **all four casters** fastened firmly and do they turn easily?
2. Are **both feet** screwed on firmly on their pivot points?
3. Do the **brakes work on the right and left**?
4. Is the **mast shoe** of the mast undamaged?
5. Is the orange clamp lever fastened firmly on the mast (tightened with both hands)?
6. Is the **bolt** below the lever in its place and secured with the **SL clip (page 16)**?
7. Are all **cables** undamaged and connected with the control box?
8. Is the **actuator** mounted correctly **at the top and bottom**?
9. Is the **battery pack** charged sufficiently and without damage?
10. Is the **emergency-stop button** unlocked and does **the hoist drive work**?
11. Is the **pivot point of the lifting arm** fastened in the same way as before?
12. Is the **lifting arm** mounted firmly and secured with the **short ball lock pin (40 mm)**?
13. Is the **pivot point of the spreader bar** mounted correctly and secured with the **SL clip (page 16)**? (**SLK Multy Universal only**)
14. Are the **hook recesses on the spreader bar** undamaged and are deformations and cracks absent? Are the **spring locks** present? (**SLK Multy Universal only**)
15. Is the **hoist sling** free from cracks and are the stitches undamaged?

16. Is the **mast** secured with the **long ball lock pin (60 mm)**?
17. Are the **footboard** and **star-knob screw** installed correctly and are all **three star-knob screws** fastened tightly? (**SLK Multy Aktiv only**)

Use the Patient Hoist only if all points are O.K. In case of deviations or uncertainty, please contact your authorized dealer.





67



68

- First, position the **Active Hoist sling** (here e.g., **SLK Active Hoist sling**) **in the middle behind the patient's back**. If possible, the patient can also assist the process by **bending slightly forward**. *(Fig. 67)*
- Ensure that the **axle pads** are under the axles. *(Fig. 68)*
- **Brake** the wheelchair/toilet chair; keep the **brakes** of the **expanded SLK Multy Aktiv released**.
- Notice the **user guide** of the hoist sling that is used.



69

Erecting



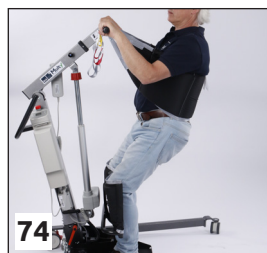
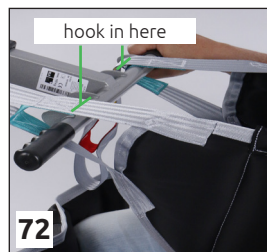
70



71

- **Expand** the **base** of the **SLK Active Hoist** and push the hoist **as close as possible** to the patient. The **lifting arm** is in its **lower position** at this time. *(Fig. 69)*
- Place the patient's **feet onto the footboard**. The **shins** should **contact the shin support directly**. *(Fig. 70)*
- **Adjust** the **shin support** so that the patient's **knees** and **upper shin** are **protected**. *(Fig. 71)*
- Hook the **loops** of the Active sling **between the ends** of the handle bar on the lifting arm. The loops with **identical color** should be hooked in on both sides. *(Fig. 72)*
- Find out the **fitting lifting arm length** by carefully trying it out. *(Page 25)*

- The patient can now **hold on to the grips of the Active Hoist arm** to assist as best as possible **in the raising process by means of their body tension.** (Fig. 73)
- Press the **“Up” button (A)** of the manual control. **Watch the raising process** and intervene if necessary.
- End the raising process when the patient has found **stable and comfortable footing.** (Fig. 74)



Transfer

- The patient is to be preferably transferred **forward in driving direction** by means of the Patient Hoists. Push the hoist on the pusher bar. (Fig. 75)
- ***In doing so, observe the safety information on pages 10 and 11.***

Lowering

- Before lowering the patient, assure yourself that **the seat is clear and that its brakes are on** and that it is at a safe stop.
- Push the **SLK Multy Aktiv as close as possible to the seat.**
- **Alert the patient** of the start of the lowering process and ask them **to assist as best as possible.**
- Now press the **“Down” button (B)** on the manual control and **watch the lowering process** to be able to intervene if necessary. (Fig. 76)



77

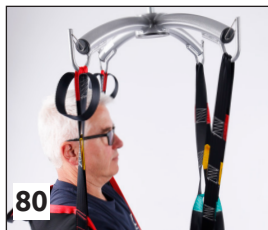


Pull loop through

78



79



80



81

Lifting in Seated Position

- **Lock the brakes** of the wheelchair; keep the **brakes** of the **expanded Patient Hoist released**.
- **Put the hoist sling (e.g., SLK Universal Hoist sling)** deeply between the backrest and the patient. If possible, the patient should **bend forward** in the process. (*Fig. 77*)
- Then pull the **leg loops** one-by-one and **crisscross** under each leg **from the outside to the inside** (*Fig. 78*). Pull **one leg loop** through the bottom loop of the second loop.
- Stand **sideways** next to the patient, **hold on to the spreader bar** while you pull the hoist towards you.

2-Point Spreader Bar

First, hook in the **upper body loops** straight and then the **leg loops crosswise**. (*Fig. 79*)

4-Point Spreader Bar

Hook in the **upper body loops** straight into the hooks **of one long side** of the spreader bar. Hook in the **leg loops crosswise** into the hooks **on the other side**. (*Fig. 80*)

8-Point Spreader Bar

For the correct use of the 8-Point Spreader Bar (*Fig. 81*) and the related 8-point lying sling, please observe the corresponding user guide.

- Notice the **user guide of the hoist sling that is used.**
- **Align the hoist sling in the manner so that all loops stay hooked in during the lifting and tension roughly simultaneously.**

Patient Transport

SLK Multy Universal

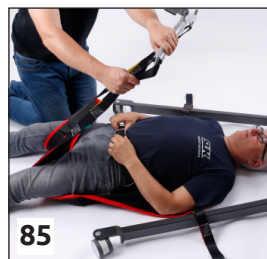
Lifting Patients in Supine Position

It is possible with the **SLK Patient Hoists** to hoist up patients in **supine position from their bed** or the **floor** and to **lower them to floor level.**

- Turn the patient in supine position **away from you** to the body side. Place, e.g., the **SLK Universal Hoist sling** double folded about two centimeters behind the patient's back, roughly **at the height of the middle between the buttocks and shoulder.** (Fig. 82)
- Turn the patient's back **into supine position** on the hoist sling and then roll them **in your direction** onto their side.
- Unfold the **hoist sling**, spread it on the mat and roll the patient back **on their back.** (Fig. 83)
- Move the **expanded SLK Patient Hoist with brakes released** over the patient from the **head side**, so that the **spreader bar** is within reach for the sling loops. (Fig. 84)

2-Point Spreader Bar

Pull the **leg loops from the outside to the inside** underneath the patient's legs and then **first** hook these loops **straight** into the hooks. (Fig. 85)



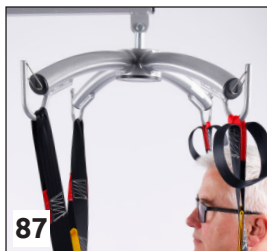


86

Then hook in the **upper body loops** of the hoist sling **straight** as well into the hooks. *(Fig. 86)*

4-Point Spreader Bar

Here, the **upper body loops** are hooked in **straight** into the hooks **on a long side** of the spreader bar. The **leg loops** are hooked in **straight (not crosswise)** into the hooks on the **opposite side**. *(Fig. 87)*



87

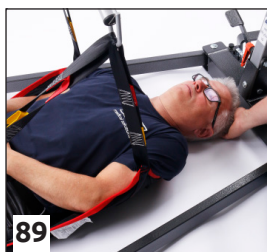
8-Point Spreader Bar

For the correct use of the 8-Point Spreader Bar *(Fig. 88)* and the related 8-point lying sling, please observe the corresponding user guide.



88

- Align the hoist sling in the manner so that **all loops stay hooked in** during the lifting and tension roughly simultaneously.
- During lifting, **support the patient's head**. *(Fig. 89)*
- Notice the **user guide of the hoist sling** that is used.



89



Transfer and Lowering

- **Be sure to check before the lifting that no slings and loops are entangled under the hoist's feet.**
- Hoist up the patient always **only as much as needed**.
- The patient is to be preferably transferred **forward in driving direction** with the Patient Hoist by using the **pusher bar**. *(Fig. 90)*



90

- *In doing so, please observe the safety information on pages 10 and 11.*
- The patient is **lowered** in the **reverse order** as lifting and it can be done **down to floor level**.

| Troubleshooting | | |
|--|---|--|
| Fault Description | Cause | Remedy |
| Hoist does not lift/lower | Ball lock pin is not inserted correctly on the mast | Insert ball lock pin up to the stop |
| Hoist does not lift/lower | Emergency-stop button is activated | Turn emergency-stop button clockwise |
| Hoist does not lift/lower | Charger connected | Disconnect hoist from the charger |
| Hoist does not lift/lower | Battery pack not inserted correctly or empty | Lock in battery pack correctly, charge with charger if needed |
| Hoist does not lift/lower when activating the Hand Control, control box buttons respond | Hand Control cable not plugged in correctly or Hand Control defective | Plug in Hand Control cable to the stop or replace Hand Control |
| Hoist does not hoist/lower | Motor cable not plugged in correctly | Plug in motor cable to the stop |
| Hoist does not lift/lower | Actuator overloaded (overheating protection) | Let the actuator cool down |
| LED of Hand Control lights up orange-red | Low charging level | Charge battery pack |
| Actuator makes unusual noises | Defect of actuator | Take hoist out of operation, contact authorized dealer. |
| Warning on the control box display  | Low charging level | Charge/replace battery pack |
| Maintenance indicator control box/Hand Control  | 11,000 lifting cycles have been exceeded | Replace device |

If you cannot identify/remedy the fault, contact your authorized dealer. The dealer receives support from the **SLK Hoist Service**.

Transport

If the **SLK Multy** is to be transported, press the **emergency-stop button (page 31)**. The **SLK Multy Patient Hoists** can be folded **without tools (page 27)**. When folded up, they fit into a station wagon.



It is possible to push the **complete hoist** including the spreader bar like a trolley in front of you. **(Fig. 91)**

If the hoist cannot be transported in one piece to the place of use, it is possible to disassemble it into **assembly groups** each of which has **low weight**. They can then be carried relatively easily.

The **SLK Multy Patient Hoists** can be disassembled **without tools** into the following assembly groups/components **(page 18, fig. 1 and 2)**:

SLK Multy Aktiv:

- Mast (with Lifting Arm Base, Drive and Control Box)
- Battery Pack
- Base
- Active Hoist Lifting Arm
- Footboard with Shin Support

SLK Multy Universal:

- Mast (with Lifting Arm Base, Drive and Control Box)
- Battery Pack
- Base
- Universal Hoist Lifting Arm with Spreader Bar

Please notice the **transport conditions (page 47)**.

Transport and Storage Conditions

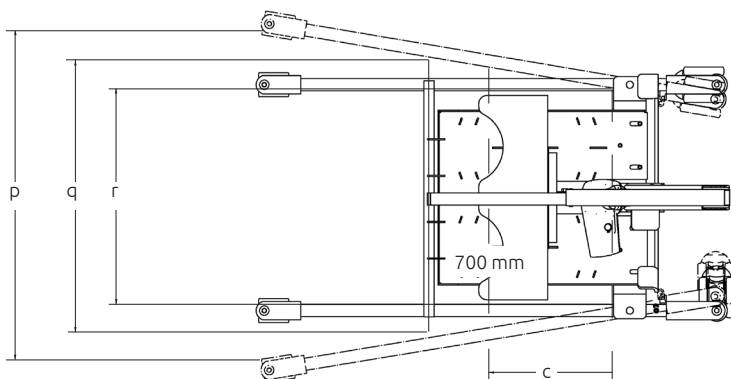
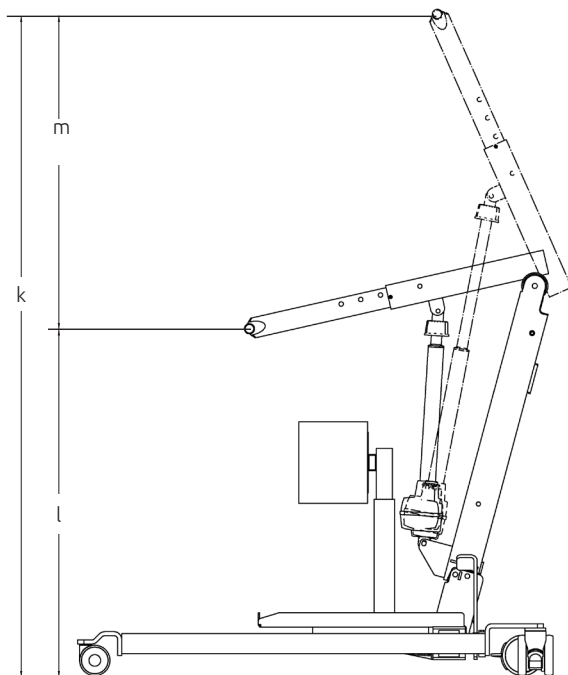
| Environmental conditions | For Use | For Transport and Storage |
|--------------------------|----------------------------------|----------------------------------|
| Ambient Temperature | +10°C to +40°C 50°F to 104°F | -10°C to +50°C 14°F to 122°C |
| Relative Humidity | 30% to 75% (non-condensating) | 30% to 75% (non-condensating) |
| Air Pressure | 86 kPa to 106 kPa | 86 kPa to 106 kPa |

Technical Data

| SLK Multy | | Aktiv | Aktiv e | Universal | Universal e |
|---|-----------|------------------------------|------------------------------|------------------------------|------------------------------|
| Length | | 118 cm | 118 cm | 118 cm | 118 cm |
| Width | | 61 cm | 61 cm | 61 cm | 61 cm |
| Total height | | 105 cm | 105 cm | 137 cm | 137 cm |
| Height of feet | | 11 cm | 11 cm | 11 cm | 11 cm |
| Caster diameter <small>front/rear</small> | | 7.5 / 10 cm | 7.5 / 10 cm | 7.5 / 10 cm | 7.5 / 10 cm |
| Lifting height | | 85 - 163 cm | 85 - 163 cm | 81 - 203 cm | 81 - 203 cm |
| Base expansion | | 51 - 94 cm | 51 - 94 cm | 51 - 94 cm | 51 - 94 cm |
| Turning radius | | 132 cm | 132 cm | 132 cm | 132 cm |
| Total weight | | 40 kg | 41 kg | 37 kg | 38 kg |
| Base weight | | 21 kg | 21 kg | 18 kg | 18 kg |
| Mast weight*1 | | 17 kg | 17 kg | 17 kg | 17 kg |
| Safe working load | | 185 kg 29 st 407 lbs | 185 kg 29 st 407 lbs | 185 kg 29 st 407 lbs | 185 kg 29 st 407 lbs |
| Battery pack | Lead | 24 V / 5 Ah | 24 V / 5 Ah | 24 V / 5 Ah | 24 V / 5 Ah |
| | Li ions | 24 V / 3,25 Ah | 24 V / 3,25 Ah | 24 V / 3,25 Ah | 24 V / 3,25 Ah |
| Power consumption | | 32 W | 32 W | 32 W | 32 W |
| Charger input Alternating current | | 110 - 240 V 50 - 60 Hz / 1 A | 110 - 240 V 50 - 60 Hz / 1 A | 110 - 240 V 50 - 60 Hz / 1 A | 110 - 240 V 50 - 60 Hz / 1 A |
| Charger output Direct current | | 24 V DC / 1.5 A | 24 V DC / 1.5 A | 24 V DC / 1.5 A | 24 V DC / 1.5 A |
| Standby | | 0.5 W | 0.5 W | 0.5 W | 0.5 W |
| Operating noise | | 55 dB(A) | 55 dB(A) | 55 dB(A) | 55 dB(A) |
| Lifting cycles (number pro load) | | 60 | 60 | 40 | 40 |
| Lifting cycle (time) | 120 kg | 65 s | 65 s | 65 s | 65 s |
| | Max. load | 68 s | 68 s | 68 s | 68 s |

*1 with lifting arm, drive, control box, and 2-Point Spreader Bar, without battery pack

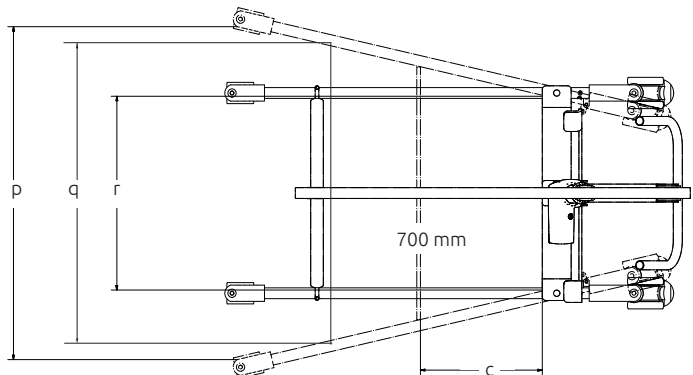
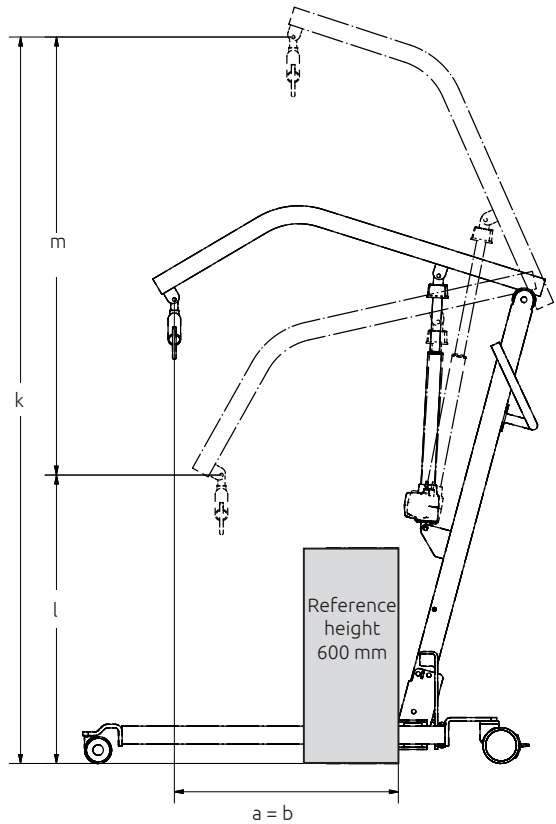
| | | |
|---|------------------------------|---------|
| c | Reach at 700 mm expansion | 338 mm |
| k | max. height of CSP | 1630 mm |
| l | min. height of CSP | 850 mm |
| m | Lifting range | 780 mm |
| p | Max. inner width | 922 mm |
| q | Inner width at maximum reach | 725 mm |
| r | Min. inner width | 537 mm |



Dimensions

SKL Multy Universal

| | | |
|---|------------------------------|---------|
| a | Maximum reach at 600 mm | 624 mm |
| b | Maximum reach from the base | 624 mm |
| c | Reach at 700 mm expansion | 338 mm |
| k | Max. height of CSP | 2025 mm |
| l | Min. height of CSP | 804 mm |
| m | Lifting range | 1221 mm |
| p | Max. inner width | 922 mm |
| q | Inner width at maximum reach | 835 mm |
| r | Min. inner width | 537 mm |



Cleaning

Use a damp cloth to clean your **SLK Multy** with a **mild cleaning agent** such as a household cleaner.

The charger must be unplugged from the socket for cleaning and disinfection!

For **wiping disinfection**, use **approved cleaning agents** for medical devices. In doubt browse the websites of your local authorities for more information.

Three examples of generally suitable disinfectants recommended by the *German* authorities:

- **hygienicVIRUZID** by Hagleitner Hygiene
- **Melsitt** by B. Braun
- **Optisept** by Dr. Schumacher

Storage

To prepare the **SLK Multy** for storage, first fully charge the battery pack and press the **emergency-stop button**.

Charge the battery pack regularly during the period of storage, whereas at least every 3 months. This way, it will be ready for use immediately when needed.



For short-term storage, the hoist can be folded (**page 27**), placed on the rear casters with **brakes engaged** and leaned against a wall to save space. (**Fig. 92**)

The best protection for the **SLK Multy Hoist** against dust and similar influences is provided by packing it in the original box.

For this, the hoist must be retrofitted to its condition as delivered **(page 18). Please notice the storage conditions. (Page 47)**

Maintenance

The useful life and safe use of the **SLK Multy Patient Hoists** depend quite essentially on the **regular performance of maintenance**. Defects or signs of wear can be detected and repaired in the course of the maintenance service.

- Perform and **document** the annual maintenance of your **SLK Patient Hoist** including functions test with safe working load **at regular intervals**.
- Maintenance may only be performed and documented **by qualified trained personnel**.
- The maintenance must also be performed and documented **for each commissioning** (e.g., reuse) and **after each repair**.
- In this context, please see the **standard DIN EN 62353** "Medical electrical equipment. Recurrent test and test after repair of medical electrical equipment", **which applies to the operator**.
- **Do not** recommission the Patient Hoist if one of the rows in the maintenance plan cannot be checked-off **with O.K.** Attach a **clearly visible sign** on the hoist and **remove the battery pack** from the place of use to safely decommission the Patient Hoist.
- Have the fault repaired by **trained personnel**.
- You can find the **maintenance plan (status 10/2023)** on **pages 52 and 53**.
- To fill out the **respectively current maintenance plan**, print it out from the SLK website **www.slk-gmbh.de**. You can find it in the download area.

Maintenance Plan

SLK Multy Product Family



Wellell Group

SLK Vertriebsgesellschaft mbH
Am Herdicksbach 18
D-45731 Waltrop

Telefon: +49 (0) 2309 - 91545 - 0
Telefax: +49 (0) 2309 - 91545 - 999
E-Mail: info@slk-gmbh.de
Internet: www.slk-gmbh.de

f @SLK Medizintechnik

o slk_medizintechnik

☐ SLK Multy Aktiv ☐ + SLK Multy Conversion Kit Universal

☐ SLK Multy Aktiv e ☐ + SLK Multy Conversion Kit Universal

☐ SLK Multy Universal ☐ + SLK Multy Conversion Kit Aktiv

☐ SLK Multy Universal e ☐ + SLK Multy Conversion Kit Aktiv

Serial number : _____ Date of manufacture: ____/____/____

Please use the **current maintenance plan** from the SLK website www.slk-gmbh.de (download area) for documentation.

| Pos. | Object | | OK | not OK | Remarks | Repaired on: |
|------|--|---|----|--------|---------|--------------|
| 1 | Hoist in original condition | | | | | |
| 2 | Compatibility certificate for accessory and device combinations is available | | | | | |
| 3 | User guide available | | | | | |
| 4 | Type labels present and legible | | | | | |
| 5 | Casters | • turn easily | | | | |
| | | • pivotable by 360° | | | | |
| | | • undamaged | | | | |
| | | • Fastening screws tightened firmly | | | | |
| | | • Brakes in functional condition | | | | |
| 6 | Welding seams ok/ no crack formation no corrosion | • Base | | | | |
| | | • Mast | | | | |
| | | • Lifting arm (also check for deformation of the lifting arm) | | | | |
| | | • Motor brackets | | | | |
| | | • Spreader bar/footboard/shin support (depending on model) | | | | |
| 7 | No surface damage or corrosion | | | | | |
| 8 | Function of the base expansion works easily | | | | | |
| 9 | Bolt with SL clip in proper condition (replace in case if marks are present) | | | | | |
| 10 | Bolt for fixating the lifting arm (40mm long) and the mast (60 mm long) are present and in proper condition (replace in case marks are present) | | | | | |
| 11 | Screws tightened firmly | • between the base and mast | | | | |
| | | • between the mast and lifting arm (100 Nm tightening torque) | | | | |
| | | • between the base and feet (100 Nm tightening torque) | | | | |
| 12 | Hoist bolt with collar for the spreader bar has a collar height of min. 4 mm. Double check the measurement with a slider gauge and enter it under "Remarks" (only SLK Multy Universal) | | | | | |
| 13 | Teflon washer is present between the hoist bolt and the spreader bar, min. 1 mm thickness or replace otherwise | | | | | |

Serial number : _____

| POS. | Object | OK | not OK | Remarks | Repaired on: |
|--------------------------|---|----|--------|---------|--------------|
| 14 | Gas pressure spring is functional | | | | |
| 15 | Folding mechanism is functional | | | | |
| 16 | Pusher bar is screwed on | | | | |
| 17 | Plug on the spreader bar is present/spring locks and plugs present on spreader bar (if applicable) | | | | |
| Electrical system | | | | | |
| 18 | All cables undamaged and connected | | | | |
| 19 | Emergency-stop button present and functional (no function while emergency-stop button is pressed, reactivation only by turning) | | | | |
| 20 | Charger is present and undamaged, Connections clean, orange control lamp during charging | | | | |
| 21 | Charging function available | | | | |
| 22 | No lift function during charging | | | | |
| 23 | Tipping operation of the hand control works (releasing the hand control stops the lift operation) | | | | |
| 24 | No lifting function when the bolt in the mast is not installed correctly. Test: Remove bolt and then all lifting functions must be disabled | | | | |
| 25 | Hand control including cable and strain relief and emergency control lamps work (if present) | | | | |
| 26 | Seal ring present on the hand control | | | | |
| 27 | Control box is locked tightly | | | | |
| 28 | Battery pack without external damage or deformation, Connections clean, locking of the battery pack engages | | | | |
| 29 | Electrical control by means of the buttons on the control box works | | | | |
| 30 | Indicators/displays function | | | | |
| 31 | Both limit switches function (drive switches off at the top and bottom) | | | | |
| 32 | No remarkable noises in the drive motor | | | | |
| 33 | Mechanical emergency lowering works | | | | |
| 34 | Grease deposits removed from the thrust rod | | | | |
| 35 | Electrical base expansion works (if present) | | | | |
| 36 | Test of the entire lifting cycle pursuant to EN 10535 Annex B1 Multy Universal: with maximum nominal load of the hoist Multy Aktiv: with 50% of the maximum nominal load of the hoist | | | | |

the SLK website for the documentation!

☐ The patient hoist can be used.

☐ The patient hoist must be serviced before reuse.
A corresponding label has been appended. The person responsible has been informed and hereby confirms this with their signature: _____

Position of the responsible person: _____ Name in printed letters: _____

Date: _____ Signature of tester: _____

Next servicing: _____ Name in printed letters: _____

☐ All defects have been repaired professionally. The patient hoist can be used.

Date: _____ Signature of tester: _____

Next servicing: _____ Name in printed letters: _____

Conformity

The **Patient Hoists** **SLK Multy Aktiv**
 SLK Multy Aktiv e
 SLK Multy Universal
 SLK Multy Universal e

are active medical devices of class 1 according to the Medical Devices Regulation (EU) 2017/745.

The declaration of conformity was prepared pursuant to Section 2, Article 52 (7) and its full text can be requested by our customers at any time.

Applied Standards

All **SLK Multy models** comply with EN ISO 10535:2021 and the requirements of DIN EN 60601-1:2022-11.

Electromagnetic Compatibility (EMC)

The **Patient Hoists of the SLK Multy Product Family** conform to the requirements of DIN EN 60601-1-2:2022-01. This was proven and documented in external tests by accredited testing bodies. We expressly inform that the emitted interference from the drive was measured and approved under safe working load. Our customers can request the EMC certificates at any time.

Warranty / Guarantee

The warranty and guarantee follows from our current service guidelines. These can be requested by our customers at any time.

Useful Life

The useful life of the **SLK Multy Patient Hoist** is 11,000 lifting cycles in accordance with the standard.

The maximum lifespan is 8 years.

Calculation example: If a **SLK Multy** is used for a patient, who requires four lifting cycles per day, each day of the year, then the 11.000 lifting cycles will be used up after around seven and a half years.

$$\frac{11,000 \text{ lifting cycles}}{365 \text{ days} \times 4 \text{ lifting cycles}} = 7.53 \text{ years}$$

In order to reach the product lifetime of 11,000 lifting cycles, **regular professional maintenance and care** for the Patient Hoist by trained personnel is necessary.





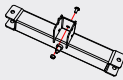
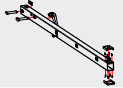

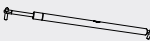


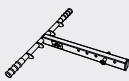
Once the 11,000 lifting cycles are reached, the control box will show the maintenance symbol on the display.

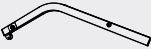

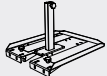
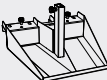





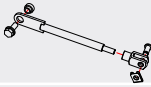



The theoretical useful life of the battery pack is 500 charging cycles. This is on the presumption that they are charged fully and regularly (i.e. every 3 months). The batteries **must never exhaustively discharge**.


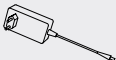



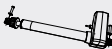



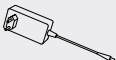

Disposal



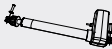



The **SLK Multy** must not be disposed of with household waste. Take the electrical components to a collection center for electronics waste and **also dispose of the rest separated by materials**.

| Article IDs of the Spare Parts | | | | | | SLK Multy | |
|--------------------------------|---|-------|--------|-----------|------------|----------------------|--------------------------|
| User Guide (EN) | | 8293 | 8293 | 8293 | 8293 | 8293 | 8293 |
| Gebrauchsanweisung (DE) | | 8302 | 8302 | 8302 | 8302 | 8302 | 8302 |
| Mode d'emploi (FR) | | 8580 | 8580 | 8580 | 8580 | 8580 | 8580 |
| Gebruiksaanwijzing (NL) | | 8582 | 8582 | 8582 | 8582 | 8582 | 8582 |
| Instrucciones de uso (ES) | | 8581 | 8581 | 8581 | 8581 | 8581 | 8581 |
| Spare Part*1 | Drawing | Aktiv | Aktive | Universal | Universale | Conversion Kit Aktiv | Conversion Kit Universal |
| Hoist Components | | | | | | | |
| Foot, left |  | 8656 | 8657 | 8656 | 8657 | - | - |
| Foot, right |  | 8662 | 8662 | 8662 | 8662 | - | - |
| Central Tube |  | 8736 | 8737 | 8736 | 8737 | - | - |
| Inner Mast |  | 8723 | 8723 | 8723 | 8723 | - | - |
| Outer Mast |  | 8725 | 8726 | 8725 | 8726 | - | - |
| Gas Pressurespring |  | 8731 | 8731 | 8731 | 8731 | - | - |
| Pusher Bar |  | 8678 | 8678 | 8678 | 8678 | - | - |
| Lifting Arm Base |  | 8721 | 8721 | 8721 | 8721 | - | - |
| Lifting Arm Active |  | 8720 | 8720 | - | - | 8720 | - |

| Article IDs of the Spare Parts | | | | | | SLK Multy | |
|--------------------------------|---|-------|---------|-----------|-------------|----------------------|--------------------------|
| Spare part*1 | Drawing | Aktiv | Aktiv e | Universal | Universal e | Conversion Kit Aktiv | Conversion Kit Universal |
| Lifting Arm Universal |  | - | - | 8738 | 8738 | - | 8738 |
| 2-Point Spreader Bar |  | - | - | 8054 | 8054 | - | 8054 |
| Footboard, flat |  | 8728 | 8728 | - | - | 8728 | - |
| Footboard, deep |  | 8729 | 8729 | - | - | 8729 | - |
| Shin Support, metal |  | 8733 | 8733 | - | - | 8733 | - |
| Shin Support, soft |  | 8735 | 8735 | - | - | 8735 | - |
| Shin Support, Pad |  | 8734 | 8734 | - | - | 8734 | - |
| Pedal |  | 8652 | - | 8652 | - | - | - |
| Cinematics |  | - | 8690 | - | 8690 | - | - |
| Spreader Rod |  | 8692 | 8692 | 8692 | 8692 | - | - |
| Caster, front |  | 8696 | 8696 | 8696 | 8696 | - | - |
| Caster, rear |  | 8700 | 8700 | 8700 | 8700 | - | - |
| Service Set*3 |  | 8705 | 8705 | 8705 | 8705 | - | - |

| Article IDs of the Spare Parts | | | | | | SLK Multy | |
|--------------------------------|---|-------|---------|-----------|-------------|----------------------|--------------------------|
| Spare Part*1 | Drawing | Aktiv | Aktiv e | Universal | Universal e | Conversion Kit Aktiv | Conversion Kit Universal |
| Drive Components Type I | | | | | | | |
| Hand Control |  | 8636 | 8635 | 8636 | 8635 | - | - |
| Charger |  | 8642 | 8642 | 8642 | 8642 | - | - |
| Battery Pack |  | 8632 | 8632 | 8632 | 8632 | - | - |
| Control Box |  | 8631 | 8631 | 8631 | 8631 | - | - |
| Safety Box |  | 8640 | 8640 | 8640 | 8640 | - | - |
| Actuator |  | 8637 | 8637 | 8637 | 8637 | - | - |
| Base Expander Motor |  | - | 8638 | - | 8638 | - | - |
| Drive Components Type II*3 | | | | | | | |
| Hand Control |  | 8445 | 8539 | 8445 | 8539 | - | - |
| Hand Control Magnet |  | 8455 | 8455 | 8455 | 8455 | - | - |
| Charger |  | 8451 | 8451 | 8451 | 8451 | - | - |
| Battery Pack |  | 8441 | 8441 | 8441 | 8441 | - | - |

| Article IDs of the Spare Parts | | | | | | SLK Multy | |
|--------------------------------|---|-------|---------|-----------|-------------|----------------------|--------------------------|
| Spare Part* ¹ | Drawing | Aktiv | Aktiv e | Universal | Universal e | Conversion Kit Aktiv | Conversion Kit Universal |
| Control Box |  | 8444 | 8538 | 8444 | 8538 | - | - |
| Safety Box |  | 8722 | 8722 | 8722 | 8722 | - | - |
| Actuator |  | 8396 | 8396 | 8396 | 8396 | - | - |
| Base Expander motor |  | - | 8322 | - | 8322 | - | - |

*¹ Each spare part is delivered with the small parts that are required for assembly.

*² The service set includes all screws, nuts, stoppers, and other small parts.

*³ Information on the drive system is given on the relevant type labels.

Notes

we lift you up



Wellell Group

SLK Vertriebsgesellschaft mbH
Am Herdicksbach 18
D-45731 Waltrop

Phone: +49 (0) 2309 - 91545 - 0
Fax: +49 (0) 2309 - 91545 - 999
E-Mail: info@slk-gmbh.de
Internet: www.slk-gmbh.de

Revision: 003 - 03/2025

**If you are an end consumer,
please contact your supplier.**

 [@SLK Medizintechnik](#)

 [slk_medizintechnik](#)

#workgreen

Article ID of this User Guide is 8293

Visit our website www.slk-gmbh.de.

You can find the current version of this user guide in the download area.

Diese **Gebrauchsanweisung** ist auch in **Deutsch** erhältlich.
Ce **mode d'emploi** est également disponible en **français**.

Artikel-ID 8302
ID d'article 8580