

# **EQUIVET**

## **Surgery Table** by KRUUSE

### **INSTRUCTION MANUAL**



Please read through the Instruction Manual carefully and keep them in a safe place.

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### 6. Technical Specifications

## 1. General

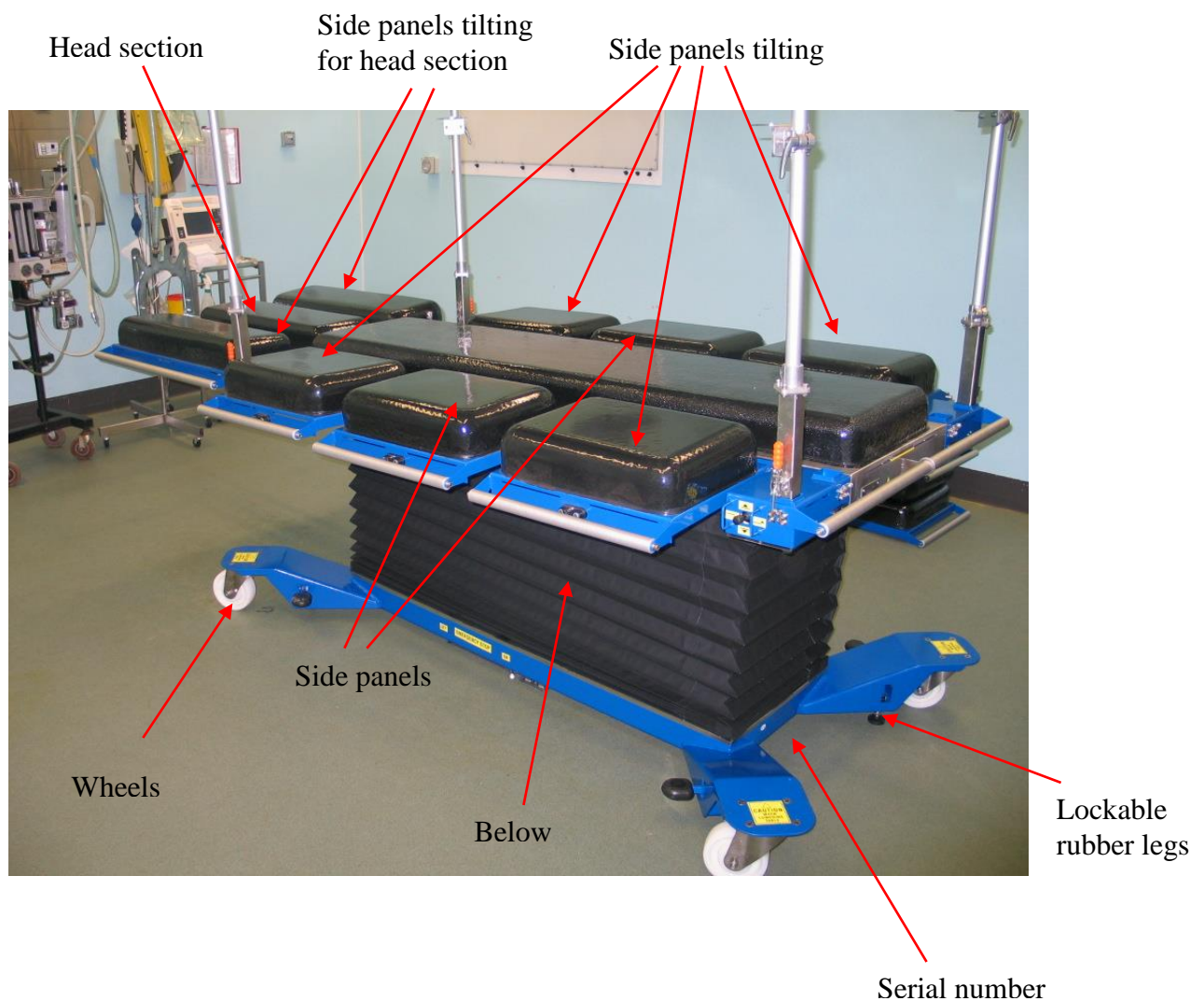
### 1.1. Usage

The KRUUSE surgery table is intended for professional veterinary use and only for care and operation on horses

### 1.2. Identification

The serial number is under the surface panel at the back of the table.

### 1.3. Introduction

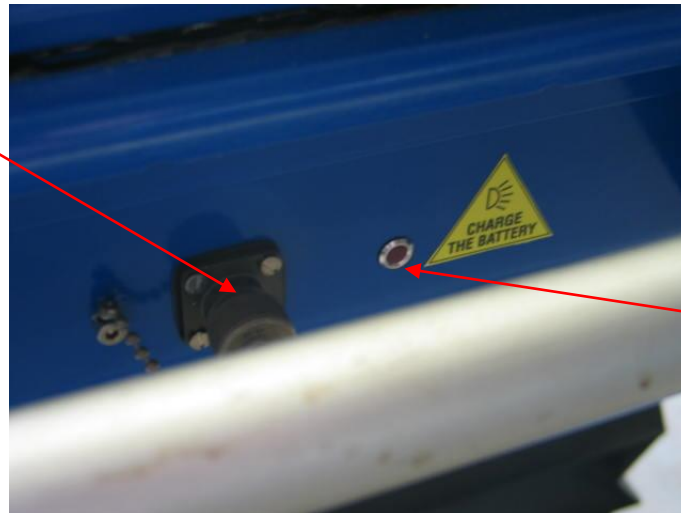


## 2. Working with the surgery table

### 2.1. Before starting work

Ensure that the battery is sufficiently charged. Red indicator light at the back of the table is not on.

Charger plug socket



Battery charger indicator light. When light is continuously, battery should be charged as soon as possible

The table can be used normally while the battery is being charged.

### 2.2. How to use the surgery table

- Always lower the table to the lowest position before lifting the patient on the table.
- Patient can be placed on the table either on its back or on its side.
- When patient is placed on its back, it should always be in the middle of the table
- When patient is placed on its side, the most weight should be loaded to the middle section of the table. **DO NOT LAY DOWN THE TORSO AT THE SIDE PANELS!**

### **CAUTION!**

Do not lay the patient too close to the edge of the surgery table or there is the danger that the patient may slide off the edge!



### 2.3. Before laying the patient on the table

Ensure that all moveable side panels are in horizontal position and that the panel for the back is securely in place if the patient is laid on its side. Ensure that the battery is sufficiently charged. Red indicator light at the back of the table is not on.

#### **CAUTION!**

**Care must be taken regarding weight distribution when loading the table/placing the horse on the table.**

**The Head Section must never carry more than the head of the horse!**

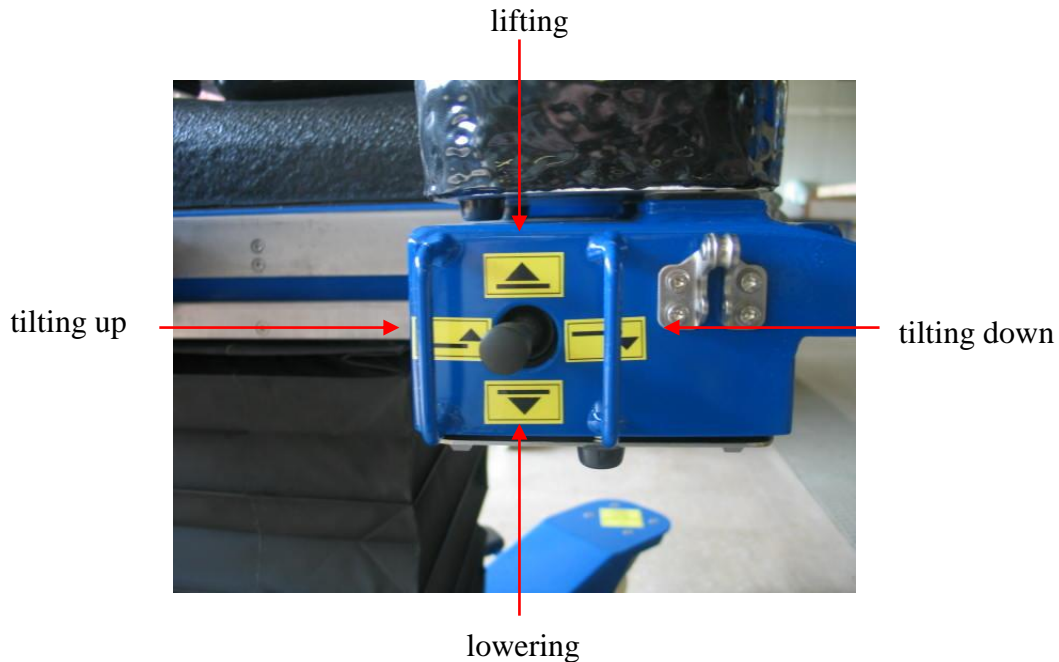
**Only the head of the horse on the Head Section!**



Lock all rubber legs (4x)

## 2.4. Height and tilt adjustment

Joysticks for adjusting the height and tilt of the surgery table are located at each corner of the table. Arrows indicate direction of motion.



### **ATTENTION!**

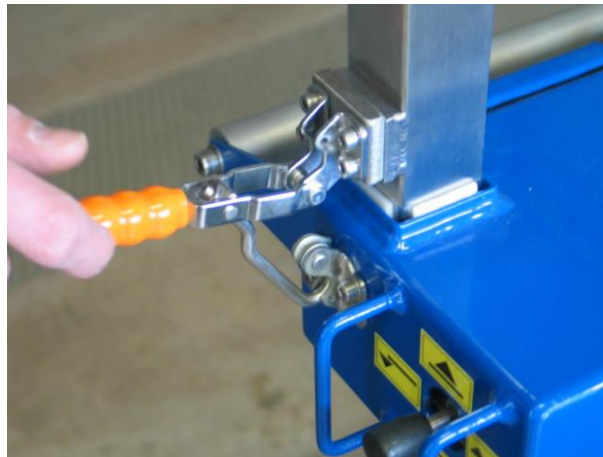
Before lifting or lowering the surgery table always ensure that it can be moved up and down freely. Remove all obstacles in its way.

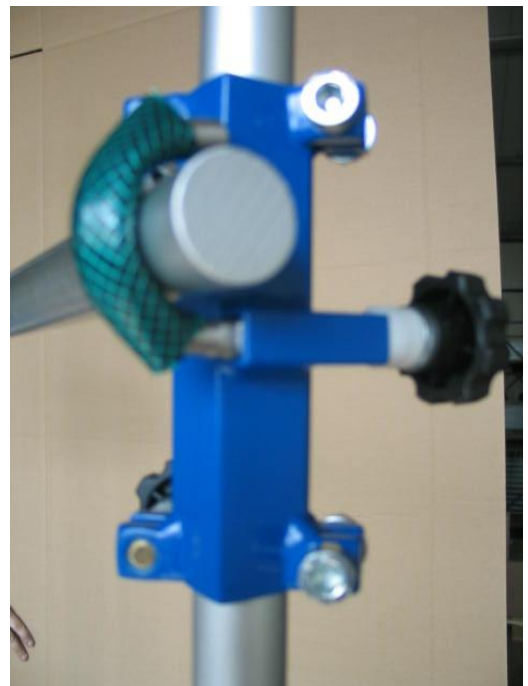
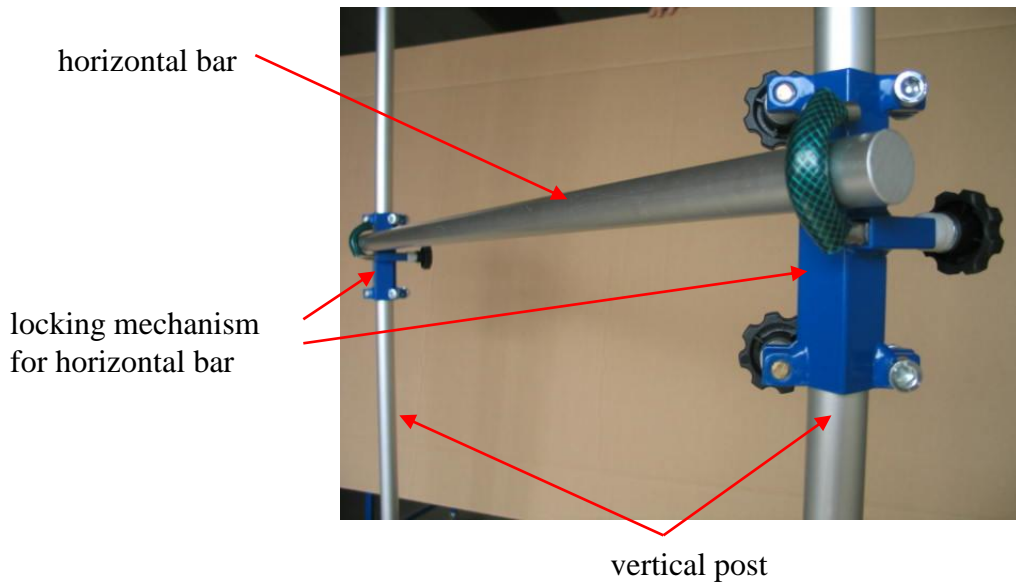
Remember to ensure that people are not in danger zone when lifting or lowering the table.

### 3. Using the equipment

#### 3.1. Securing the patient

Installation of the supporting posts: Insert vertical posts into the square holes in the surgery table, the plastic covered end downward and lock it using the lock mechanism. Then adjust the horizontal bar to a suitable height and lock it using the lock mechanism.

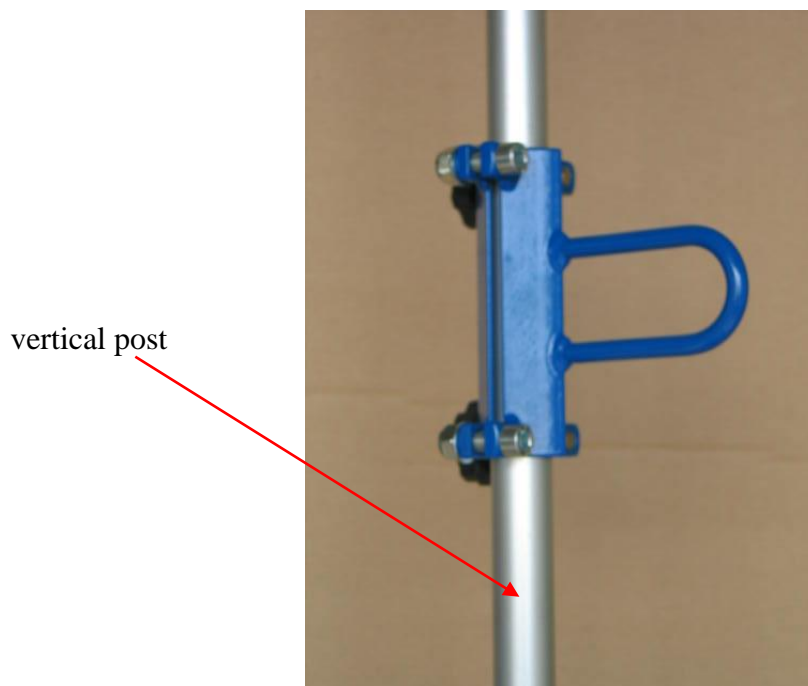
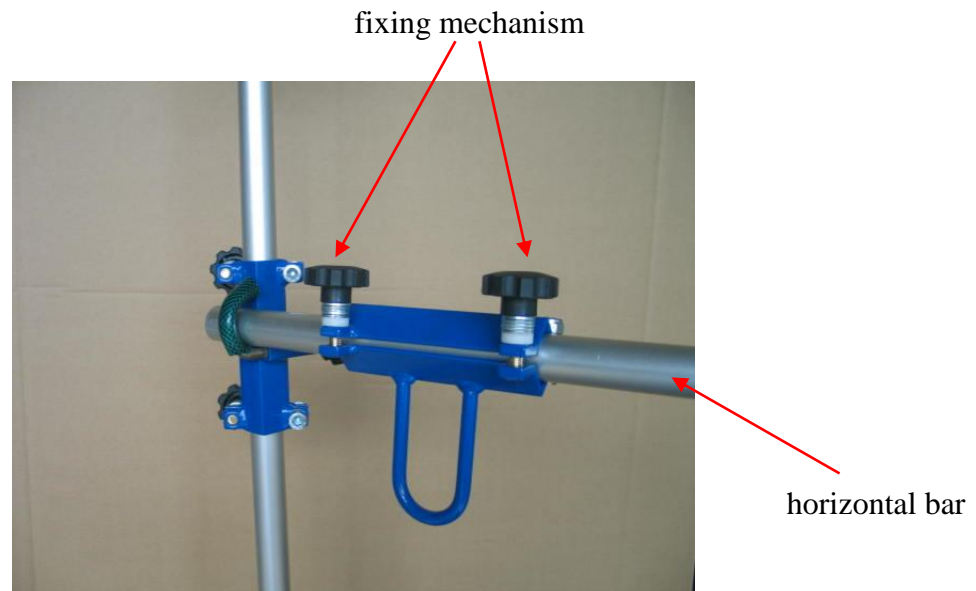




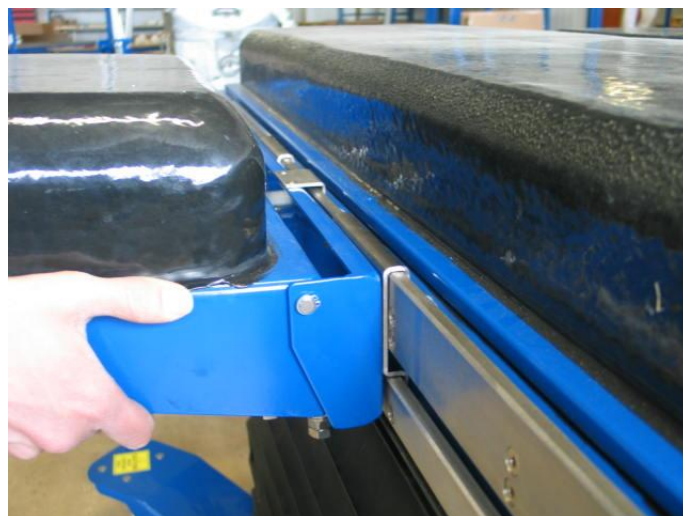


## 3.2. Locking tighteners

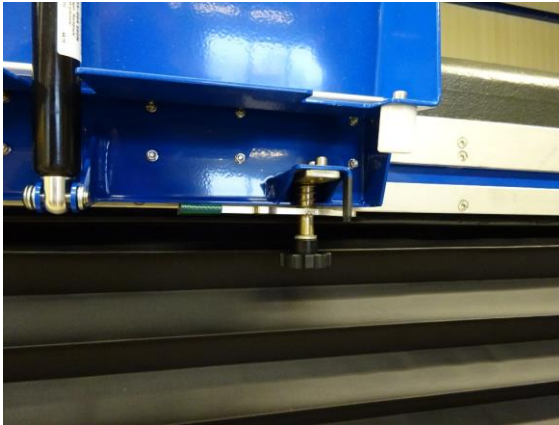
Insert the tightener in the vertical post or the horizontal bar and feed the holding strap.



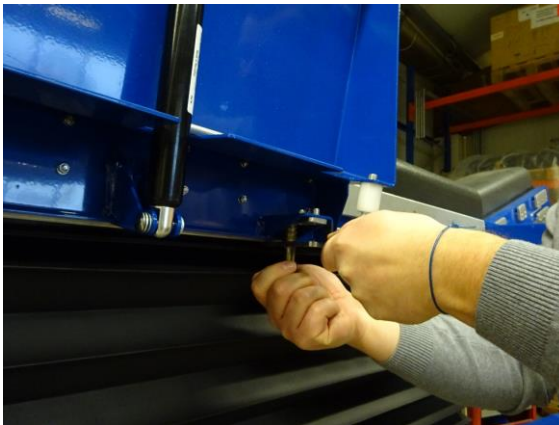
### 3.3. Side panels (tilting)



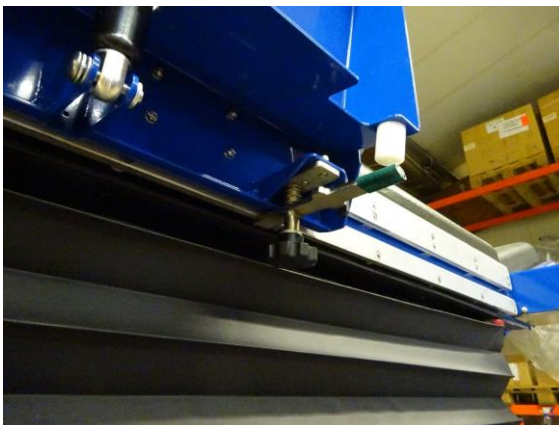
### 3.3.1. Locking mechanism of the side panels



Position 1: fixation lever is parallel to the holder for the side panel

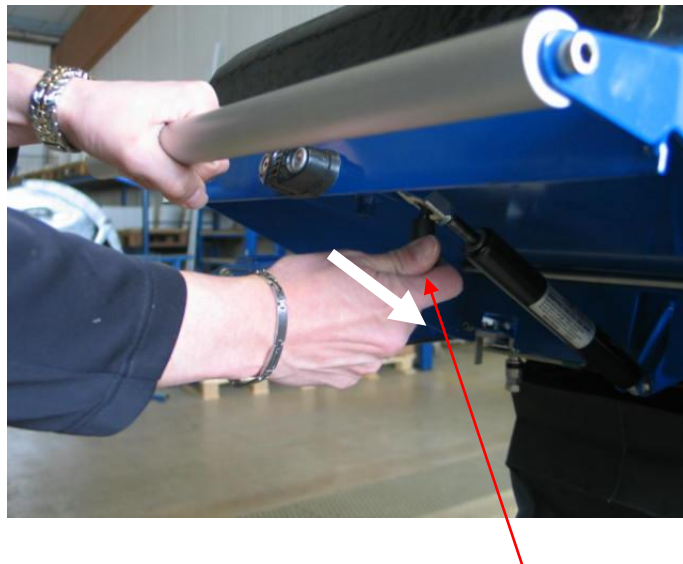


Position 2: fixation lever is twisted 90° to move underneath the rails. After twisting the lever is fixed with a grip.



Position 3: fixation lever is twisted 90° underneath the rails and fixed with the grip

Hold handle firmly with left hand. To tilt the side panel push the release grip. Tension of gas spring pushes upward.



Release grip as soon as correct support is found.



### 3.4. Side panels (not tilting)





### 3.5. Self-locking rope locks

Rope locks tighten automatically when rope is pulled.

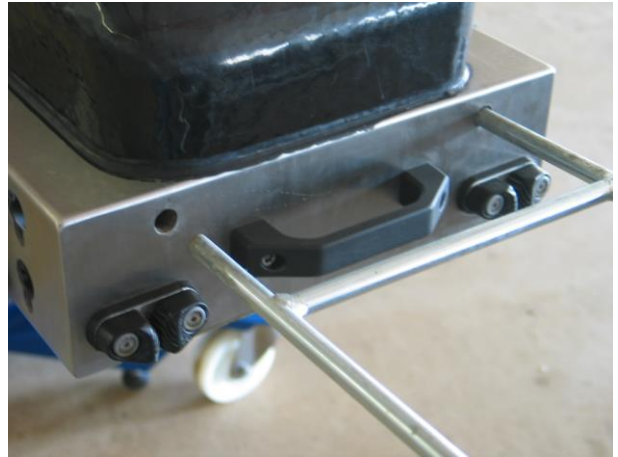
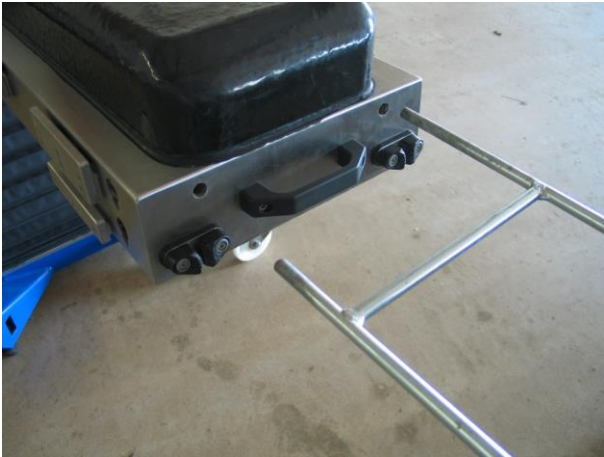


#### **ATTENTION!**

Before feeding the rope, check that the tightener jaws are not seized up due to dirt or some other reason.

Note that the rope should be 6-12 mm thick in order for the rope lock to function correctly.

### 3.6. Anaesthetic hose holder



### 3.7. Leg support

The leg support is attached to the side panel to hold the limb when the patient is laying on its side.

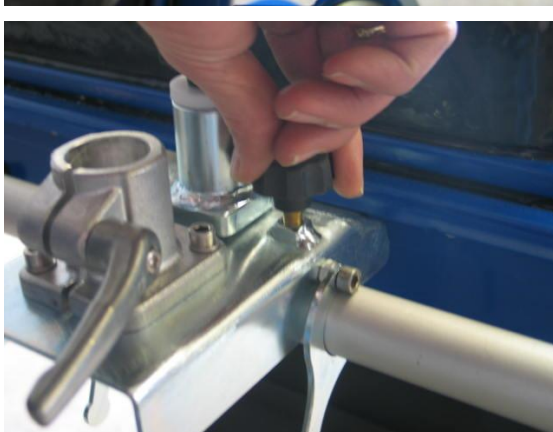
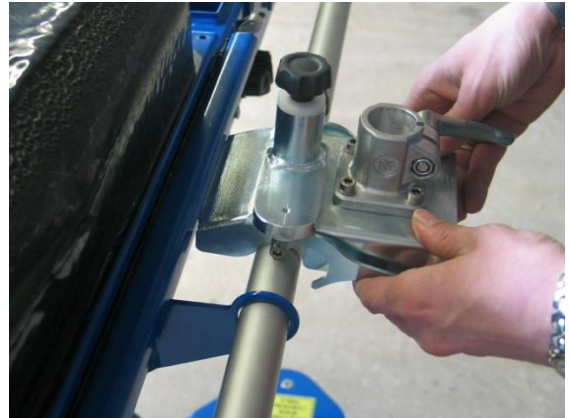
#### **ATTENTION!**

The leg support, as well as all other attachments, with the exception of the side panels, is added only after the patient is already on the table.





## Fixation of leg support

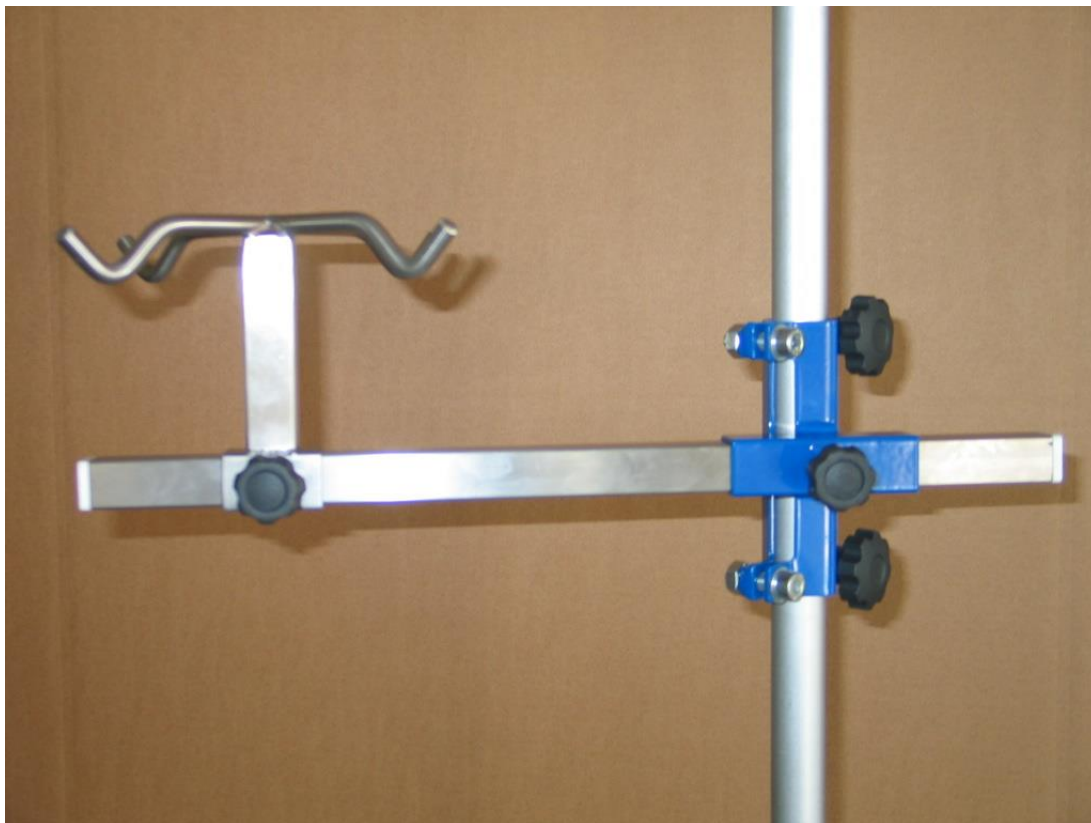


### **ATTENTION!**

**When the leg support is in position, do not lower the table so low that the leg support hits the floor or both the leg support and the side panels could be damaged.**

### 3.8. Infusion bottle stand

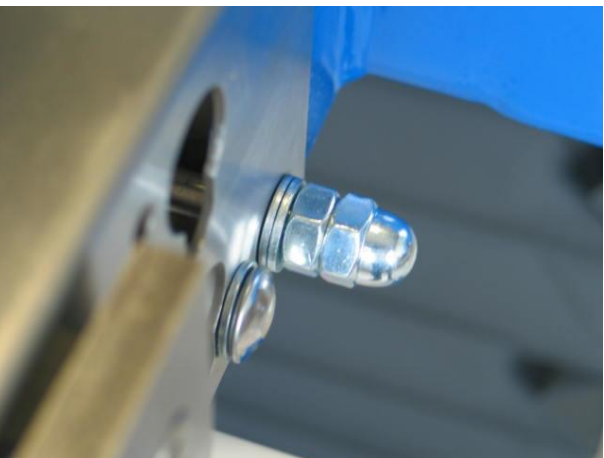
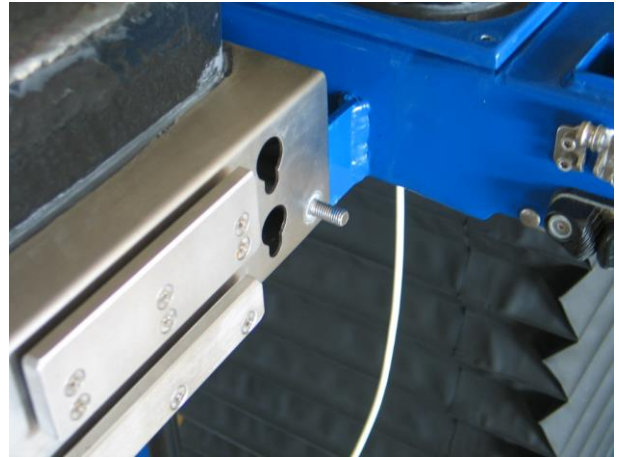
The stand is normally placed on top of the vertical post.





### 3.9. Head support

**ATTENTION: The table will not lower until the safety switch from the head section is installed!!!**





plug for safety switch head section



plug in



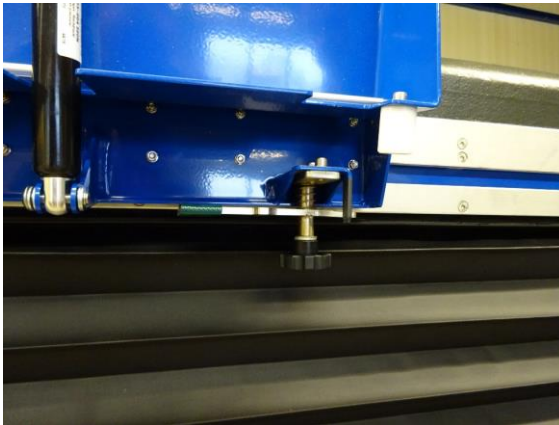
twist to fix the plug

### 3.10. Side panels for head section





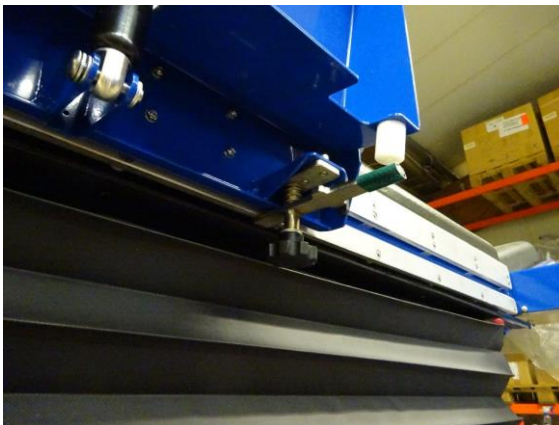
### 3.10.1. Locking mechanism of side panels for head section



Position 1: fixation lever is parallel to the holder for the side panel



Position 2: fixation lever is twisted 90° to move underneath the rails. After twisting the lever is fixed with a grip.



Position 3: fixation lever is twisted 90° underneath the rails and fixed with the grip

### 3.11. Cover for side panels



### 3.12. Cover for space between side panels and mat





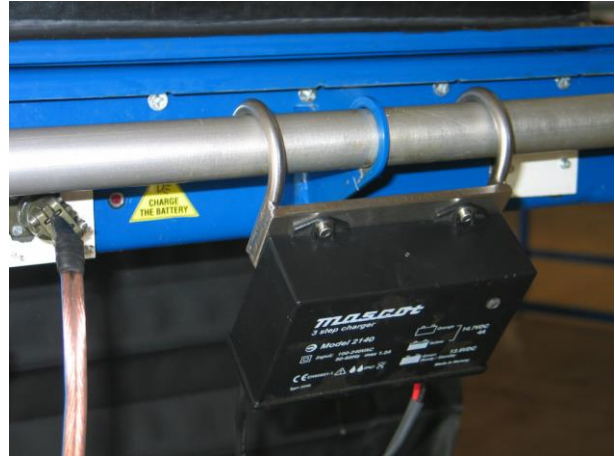
### 3.13. Battery charger

Battery charger is the device using 100 to 240 V AC and 50 to 60 Hz.

#### **ATTENTION!**

- Never spill water on the battery charger.
- To ensure sufficient cooling, do not cover the charger.

Automatic battery charger may be connected while the table is being used. However it is recommended to charge the battery when the table is not in use.



Battery charger indicator lights give useful information.

- Red light on: battery almost empty, charging in progress
- Yellow light on: charging still in progress
- Green light on: battery fully charged

## ATTENTION!

- To ensure the safe and trouble free functioning of the battery charger, do not handle it roughly.
- Never try to pull the plug out by the cord. The cable connections may be damaged and seriously damage the charger.
- To prevent dangerous situations connect mains cable to the table in such a way that people's feet do not get tangled up in the cable.

### 3.14. Accessory rack

The accessory rack keeps all surgical table accessories in order and easily available when needed.



## ATTENTION!

Remember to regularly check the conditions of the accessories to ensure that all are in place.

### 3.15. Before moving the patient from the table

Remove all the attachments from the surgery table and place them in the appropriate stand. Lower the table to its lowest position.

### 3.16. After removing the patient from the table

Lift the surgery table top to a height of 70 to 80 cm for cleaning. Lower the side panels to horizontal position (best height for storing and maintenance)

### 3.17. Cleaning the table

Wash the surgery table using regular detergents.

Recommended products to disinfect the surgery table are disinfectants containing alcohol.

#### **ATTENTION!**

Do not use products based on petroleum, strong acid or alkaline to clean the surgery table.

### 3.18. Storing the table

Set the table top to a height of 70 – 80 cm.

Set the table to horizontal position so that there is not too much tension in the bellows. Connect the automatic battery charger to the table.

## **4. Care and Maintenance**

### **4.1. Care**

The most important service function is to clean the surgery table after every use.

The KRUUSE surgery table has been designed so that it can be cleaned with regular cleaning materials and hosed down with normal spray water.

### **ATTENTION!**

Use of aromatic solvents is prohibited. Strong acids and alkalines should also be avoided.

### **4.2. Important to know**

The surgery table battery is maintenance free, so that it is not necessary to check or to add fluid during the normal life span of the battery.

Normal service life of the battery is several years.

A dead battery will take 12 hours to recharge, so it will be fully charged overnight, for example.

### **ATTENTION!**

When a heavy load is lifted, the battery indicator light may go on momentarily even in a fully charged battery. This is caused by a momentary voltage drop, but it does not harm the normal operation of the table.

Only the battery charger provided by the manufacturer may be used to charge the battery.



### 4.3. Damaged panel surface can be repaired

#### **ATTENTION!**

Avoid making sharp cuts or applying great pressure points in the surface panel padding, which can break the rubber coating. Several hours of continuous sharp pressure can result in a permanent depression in the panel padding.

#### If damage does occur:

The surgery table panel padding material is impermeable to water, therefore it does not absorb moisture even when the polyurethane surface coating is damaged.

Possible damage to the surface coating can easily be repaired as follows:

- clean the damaged area with pure alcohol, for example
- dry the damaged area carefully
- repair the damaged area with polyurethane glue
- allow the repaired area to dry for 15 – 20 hours at room temperature, before reusing

Contact the distributor or the manufacturer in case further instructions are required.

## 5. Safety

### 5.1. Safety

Please take special notice of the following safety related matters:

- Always center the load as much as possible.
- When moving the table, ensure that the feet are not caught between the table frame and the floor. Due to small ground clearance, toes especially are in danger.
- When the table is lowered to its lowest position, ensure that hands and feet are clear off the edges of the table corners, because these edges go down very close to the wheel frame. Getting fingers or toes stuck in between will result in personal injury.
- When moving the gas hydraulic side panels, always ensure that all other hands are clear off them to prevent serious injury.
- Never bend or try to open the gas springs. The high pressure gas, when discharged, could injure anyone nearby.

### 5.2. Liability

The manufacturer does not assume liability for damage or injury resulting from careless or improper handling of the surgery table nor for other losses resulting from use contrary to the operating instructions.

### 5.3. Warranty

The manufacturer guarantees the surgery table for 2 years and the frame of the table for 5 years against breaking. This warranty covers all manufacturing and material defects.

This warranty does not cover faults resulting from normal wear and tear or damage resulting from use contrary to the operating instructions.

## 6. Technical Specifications

### Dimensions

Table_____	Drawing:	Equine Table (Dimensions 1)
Head support of the table_____	Drawing:	Equine Table (Dimensions 1)
Width of the table excluding side panels_____	Drawing:	Equine Table (Dimensions 2)
Side panels (tilting)_____	Drawing:	Equine Table (Side panels)
Side panels (non tiltable)_____	Drawing:	Equine Table (Side panels)
Side panels (head support)_____	Drawing:	Equine Table (Side panels)
Wheels_____		ø150mm
Padding thickness_____		100mm
Weight_____		650kg

### Adjustability

Minimum height_____	415mm
Maximum height_____	1165mm
Pelvic angle_____	+/- 8°
Head support_____	+/- 20°

### Loading

Maximum load_____	1000kg
Lifting time_____	30sec

### Electric equipment

Operation voltage_____	12V
Battery type_____	12V 55Ah
Battery charger_____	12V 4A
Battery charging time_____	5 hours
Full battery_____	30 lifts

Table can be used during charging.

### Surface coating

Zinc plated, powder coated frame