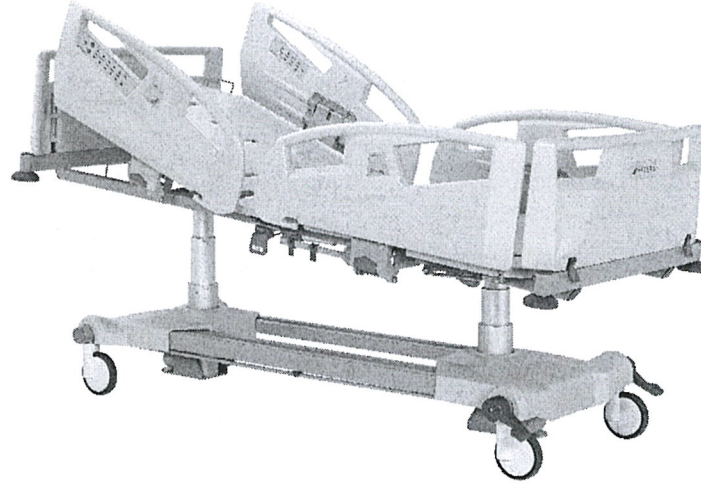


MCARE K



ELECTRICAL INTENSIVE CARE AND HOSPITAL BEDS



- DC motors (for silent operation)
- Hand remote control
- Electronic adjustments of backrest, footrest, height
- Fowler, Vascular, Trendelenburg, Reverse Trendelenburg, Cardiac, Auto-contour, Examination, Emergency positions } S2, S5
- Manual CPR at backrest
- Lockable and fold-away PP side rails - S16
- 4 section, detachable and easy cleanable PP mattress platform
- Lockable and detachable head and foot boards
- Protective plastic bumpers on each corner
- Easy adjustable foot support for knee bending position and foot lift
- Metal parts electrostatic powder painted over nanotechnology coating
- Angle indicators
- Mattress holders
- Movable drainage hangers
- Height adjustable Stainless Steel IV Pole with 4 hooks - S21
- IV Pole sockets on four corners
- Lockable single castors
- Antistatic grounding
- Stable subframe
- Cable holder
- TS EN 60601-2-52

Optional Accessories :

- 5th castor
- Integrated control panels
- Nurse control panel at foot-end
- Battery back-up - S18
- Underbed illumination
- X-Ray translucent backrest and X-Ray cassette holder at backrest
- Bed extension 20 cm
- Twin castors
- Central lockable castors
- Electronic scale system
- Monitor apparatus
- Monitor tray
- Fixed head board
- Collapsible side rails
- Linen holder
- Oxygen cylinder holder
- Orthopedic traction system
- Adjustable lifting pole (plastic)
- Fixed lifting pole (metal)
- Writing platform
- File holder
- Stainless Steel IV Pole with 2 hooks
- HPL mattress platform
- HPL backrest platform
- Mattress

MESPA SAĞLIK MALZEMELERİ SAN. VE TİC.

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Extras broşürü pag. 1

ELECTRICAL INTENSIVE CARE AND HOSPITAL BEDS

TECHNICAL SPECIFICATIONS	
External Dimensions:	99,5x220 cm
Mattress Platform:	85x195 cm
Height:	44 - 82 cm
Backrest Angle:	0°-70°
Footrest Angle:	0°-40°
Trendelenburg/Reverse Trendelenburg	0°-16°
Regression foot	10,5 cm
Regression back	14,5 cm
Underbed clearance	17 cm
Castor Diameter:	125 mm
Safe Working Load Capacity:	250 kg
Weight	122 kg
ELECTRICAL DATA SPECIFICATIONS	
Power Input	max. 3,15A 100V - 240V ~ 50/60 Hz
Electrical Shock Protection	Class I, Type B
Liquid Ingress Protection	IP66

- S13

- S8

- S6

- S14

- S12

- S19

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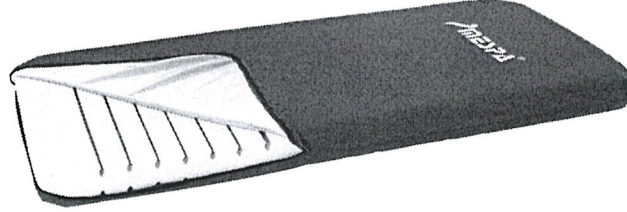


Extras broşura pag. 2

MS 2200



Foam Mattress



Introduction

MS 2200 Foam Mattress consists of foam with a density of 28 kg/m³ foam and cuttings over the full width of the mattress. Special CNC cutting reducing contact points so distribute and reduce pressure on human body. Air passages, provide air circulation and prevent heat accumulation. } S20

- Accords to all bedsteads through a special CNC cutting,
- Air passages reduce perspiration,
- Comfort is provided to the user by the regional design,
- One-piece design creates an acute alternative to mattress with classical parts,
- Provides with anti-bacterial, water proof, and breathable cover. - S20

Content

MS 2200 Foam Mattress is produced in accordance with hospital examination rooms, emergency room and being adjustable to all bedsteads. It is provided with the anti-bacterial cover. This cover has complementary features with the mattress.

An important feature in a mattress to prevent the patient against decubitus ulcer is having air passages and by the help of these passages, reducing perspiration. At this point cover assists mattress with being breathable. Second point is for the cover being impermeable fluids but as mentioned before allow air to pass. So cover does not obstruct air passages situation.

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Extras broşura salta pag. 1

Product Overview

MS 2200 Foam Mattress is available for using on both sides. This mattress is produced in one layer and both sides have the same CNC cutting. The special CNC cutting also provides to minimize pressure to contact directly on patient body. Its design helps the patient to move on easily. Optimal thickness is 12cm for hospital examination rooms and size is 195x85 but other size can be made on request. It is also autoclavable when required to sterilize.

Technical Data

Standard Size	195x85x12 cm
Material	Grey PU foam
Density	28 ± 2kg/m ³
Cleaning	Auto clavable
Area of usage	Hospital Examination Rooms, Emergency Rooms
Mattress weight	6 kg
Warranty	2 years

} S20

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Extras inopunã saltea pag.2

1. SYMBOLS AND DEFINITIONS

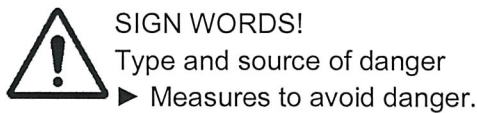
1.1. Alert Notifications

1.1.1. Alert Notification Types




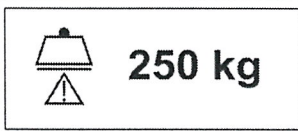
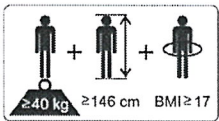
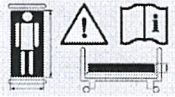
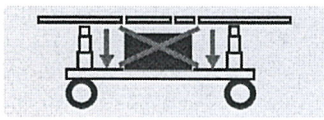





Warning notices are distinguished by the type of danger using the following keywords:

- ▶ CAUTION warns of danger of material damage.
- ▶ WARNING warns of risk of physical injury.
- ▶ DANGER warns of a risk of fatal injury.

1.1.2. Structure of Warning Notifications



1.2. Symbols and Labels on the Bed - S12

	Read Instructions Before Using		Press to activate Control Elements
	WEEE symbol (recycle as electronic waste, do not put in household waste)		Safe Working Load - S12
	Physical Description of an Adult		Use the mattress recommended by the manufacturer
	Do not place any objects or objects under the bed		Footrest section maximum load
	Warning for hand stiffness or breakage		Conductor connection Jack for potential equalization
	Manual CPR Handle		General warning Sign

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1.4. Serial Numbers and Barcode Label

Producer :Mespa Sağlık Malz.San ve Tic.A.Ş
2.Organize Sanayi Bölgesi 83216 Cad. No: 20
Başpınar / Gaziantep TURKEY

Phone :+90 444 5 821

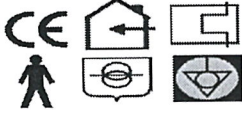
Fax :+90 342 3375313

www.mespa.com.tr

Made in Turkey

220-240 V ,50/60 Hz ,250W I Sınıfı

IPx4 , B Tipi



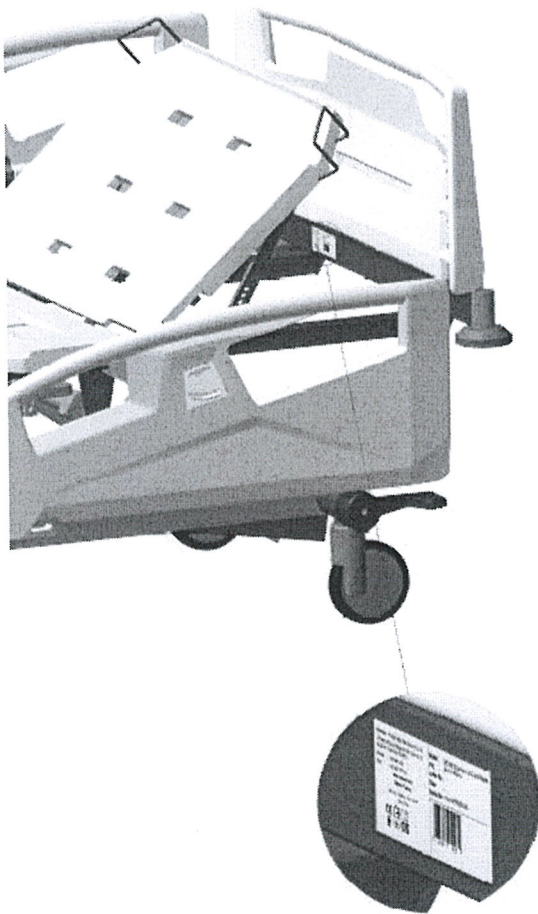
Model :MCARE Electronic ICU and Patient

P/N : Bed, 4 Motors

Order No :

Date : . . .

Serial No :161120190000146



MCARE LABEL LOCATION - S12

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3. INTENDED USE

S₃, S_A { MCARE is a positionable intensive care and general patient care bed. Its purpose is to support the patient for nursing staff and to facilitate treatment and practice with the patient. MCARE is equipped with a weighing system (optional) designed to weigh patients. MCARE can work integrated with the air bearing system. Air bed system (optional) aims to help patients prevent and treat pressure injuries. } S_g
MCARE, yalnızca eğitimli ve kalifiye bakım personeli tarafından veya bunların gözetimi altında kullanılmalıdır.

MCARE is compatible for the following patients:

- Over 40kg
- Longer than 146 cm
- Those with a Body Mass Index greater than 17.



The height adjustment of the bed should be proportional to the patient's height!
Risk of jamming or jamming as the patient's body structure is disproportionate to the size of the bed support platform!

- PersonNel
 - Qualified Health Personnel
 - Patient (If condition permits)
- Use } S_A
 - Intensive / Intensive care units
 - Hospital Rooms
 - Patient Transport
- Transport
 - Original Bag
- Medical Purpose
 - Support for patients in MCare Beds
 - Pressure ulcer prevention
- Location
 - Bed, application environment is determined according to: EN 60601-2-52.

NOTE: Please contact **MESPA** for information about other uses.

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6. Terms of Use and Storage



ATTENTION!

To ensure the mattress's first-class protection against electric shock:

- Ground the grid.
- Use only Hospital Grade or Hospital Only plugs for grounding.

MCARE is intended for use in rooms for medical purposes. Electrical installations are therefore the norms that determine the necessary conditions for local electrical installations.

► In exceptional cases (eg lightning strikes, earthquakes) separate the bearing from the power grid.

MCARE is not suitable for indoor environments containing flammable gases (except oxygen cylinders).

7. Delivery Scope and Bed Types (Standard and Optional Accessories)

7.1. Delivery

- After the bed is received, check that the shipment stated on the packing slip has been completed.
- Report any deficiencies or damage to the carrier and supplier promptly and in writing or by making a note on the delivery note..

7.2. Scope of Delivery

- MCARE Bed and accessories
- User Manual

7.3. Bed Types (Standard and Optional Accesories) -S10

Product Code	Name of the product	Standard/ Optional
A9050	Integrated Control Panels	Optional
A9051	Integrated Control Panels (with USB connection)	Optional
A9016	Nurse Control Unit	Optional
A9030	Hand Control	Optional
	Angle Indicator (Backrest and Trendelenburg)	Standard
A9100	Left and Right Lateral Tilt - S10	Optional
A9004	Electronic Weighing System	Optional
A9017	Battery	Optional
A9059	Under Bed Lighting	Optional
A9058	125mm Lockable Caster	Standard
A9062	150mm Single Center and Directional Lock Castors	Optional
A9061	150mm Twin Center and Direction Lock Castors	Optional
A9022	5. Wheel	Optional
A9018	Back Section X-Ray Cassette Holder	Optional
A9020	Back Rest Manual CPR	Standard
	Urine Bag Hanger	Standard
A9014	4-IV Serum Hanger	Optional
A9003	2 Serum Hanger	Standard
A9007	TV Apparatus	Optional
A9010	Monitor Stand	Optional
A9012	Bed Length Extension	Optional
A9430	Bedside Headboard Fixed to the Bottom Chassis	Optional

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10.2. Removing the Bed From Use

Disable the bed as follows:

- Disconnect the bed from the mains.
- Disconnect the ground wire.
- Disable the battery.
- Remove accessories.

To prevent damage during storage:

- Pack or cover the mattress and accessories.
- Ensure that the storage conditions are the same as the operating conditions.

11. Moving the bed



WARNING!

Risk of injury when adjusting the bed

- When adjusting the mattress, make sure that there is no body part between the mattress platform elements and the mattress platform frame.
- Before adjusting the mattress, make sure there are no body parts or any accessories under the mattress platform frame.

11.1. Control Units

The bed is operated by different control units.

Control units depending on the model:

- Nurse Control Panels Integrated to Side Rails
- Patient Control Panels Integrated to Side Rails
- Nurse Control Unit (at the foot)
- Patient Hand Control
- Weighing System Control Unit (at the foot end)

Disabling individual functions on the Nurse Control Panel or Unit will affect all control items.

If the bed does not respond to individual position settings:

- Check if the function is disabled on the Nurse Control panel or unit.

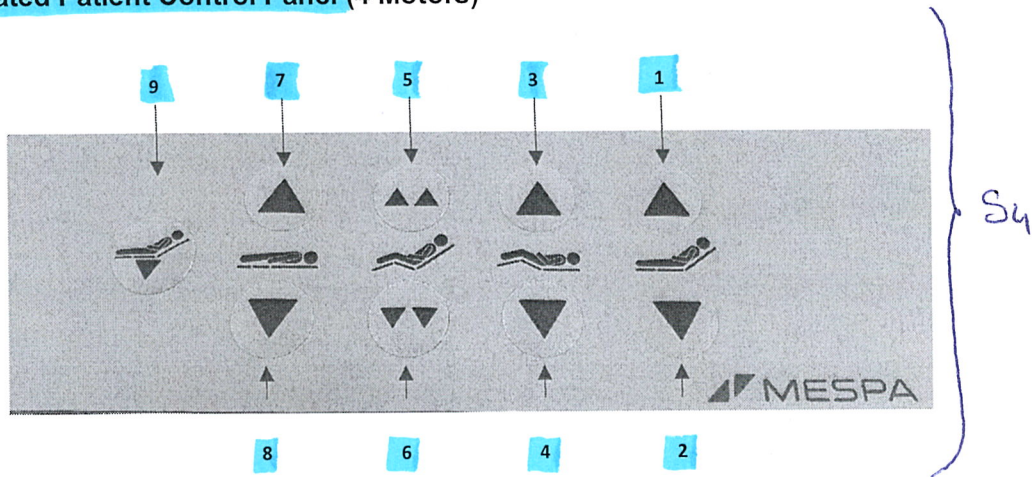
SAA

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9	Altitude Down Movement Button / To move the height of the bed down, press and hold it until you reach the level you want
10	Trendelenburg (Upside Down Tilt) Movement Button / To move the bed to the Trendelenburg position, press and hold it until it is at the desired level
11	Reverse Trendelenburg (Tilt down) Move Button / Press and hold until it reaches the desired level to move the bed to the Reverse Trendelenburg position.
12	Press the On / Off Button / Bed to open and close the bed. The LED light will be on when it is on.
13	Battery Indicator / LED lights showing the status of the battery
14	To lock the Function Lock Button / Back Part, Footrest and Height functions, press the lock button and the button of the function you want to lock at the same time. Press lock buttons 14 and 24 simultaneously to lock all the functions in one go.
15	Emergency Trendelenburg Button / Press and hold to move bed to emergency Trendelenburg position. In this way, the backrest and footrest functions will be reset and the bed slope will be upside down.
16	Examine Position Button / Press and hold to move the bed to the appropriate exam position. In this way, the backrest and footrest functions will be reset and the mattress will come to the top position.
17	Vascular Position Button / Press and hold to move the bed to the vascular position. In this way, the backrest and footrest functions will be maximum and the bed slope will be upside down.
18	Bed Exit Position Button / Press and hold to facilitate patient getting out of bed. In this way, the function of the back part will be maximum and the mattress will reach the minimum height.
19	Press this button to turn on or off the Flashlight located on the Nurse Control Unit Flash Lighting / Control unit.
20	Cardiac Sitting Position Button / Press and hold this button to bring the patient to the sitting position. In this way, the backrest and footrest function will reach the maximum level and the inclination of the bed will come down.
21	Vascular Position Foot Support Button / Press and hold to move the mattress to the vascular position. In this way, the backrest and footrest functions will be maximum and it will be manually adjusted to the destomat in the foot section.
22	Fowler Position Button / Press and hold to move bed to fowler position.
23	S ₇ { CPR (cardiopulmonary resuscitation) Position Button / Press and hold to move the bed to the CPR position. In this way, the bed will come to the 0 position with all its functions.
24	To lock the Function Lock Button / Back Part, Footrest and Height functions, press the lock button and the button of the function you want to lock at the same time. Press lock buttons 14 and 24 simultaneously to lock all the functions in one go. If the function is locked, the LED light will turn on.
25	Bed Tilt Lock Button / Press and hold simultaneously with button 24 or 14 to lock bed tilt use. If the bed slope is locked, the height function will also be locked. If the function is locked, the LED light will turn on.
26	Press and hold button 24 or 14 at the same time to lock the use of the Bed Height Lock Button / Bed height function. If the bed height function is locked, the tilt function will also be locked. If the function is locked, the LED light will turn on.
27	Auto Contour Lock Button / Press and hold simultaneously with button 24 or 14 to lock the use of the Auto Contour function. If Auto Contour is locked, the backrest and footrest function will also be locked. If the function is locked, the LED light will turn on.
28	Press and hold simultaneously with the 24 or 14 button to lock the Footrest Lock Button / Footrest function. If the function is locked, the LED light will turn on.
29	Back Lock Button / Press and hold simultaneously with button 24 or 14 to lock the use of the backrest function. If the function is locked, the LED light will turn on.

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11.2.3. Integrated Patient Control Panel (4 Motors)



1	Backrest Up Button / Hold down to move the Backrest Up button until it reaches the desired level
2	Backrest Down Move Button / To move the Backrest down, press and hold until it is at the desired level
3	To move the Footrest Up Button / Footrest, press and hold until it reaches the desired level.
4	To move the Footrest Down Button / Footrest down, press and hold until it reaches the desired level.
5	Auto Contour Up Button / Hold down to move the backrest and footrest up at the same time until it reaches the desired level
6	Auto Contour Down Movement Button / Press and hold until it reaches the desired level to move the backrest and footrest down at the same time
7	Height Up Button / To move the height of the bed up, press and hold it until you reach the level you want
8	Altitude Down Movement Button / To move the height of the bed down, press and hold it until you reach the level you want
9	Bed Exit Position Button / Press and hold to facilitate patient getting out of bed. In this way, the backrest function will be maximum and the mattress will reach the minimum height.

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11.5. Wheel Control / Central Lock



WARNING!

Material damage due to improper transportation and unintentional movement!

- Make sure the bearing is disconnected from the mains before moving.
- Make sure the wheels are braked before assembly, disassembly and maintenance.
- Make sure the wheels are braked when the bearing is full.
- Hang the power cable on the carrying hook during transport.
- Make sure that the bed is carried only by caregivers and at least 2 people



WARNING!

The minimum space under the bed (standard version with 15 cm wheels) is 10 cm!

- Observe for obstructions in the road and prevent collisions and possible damage to any bearing parts on the undercarriage.
- Do not use bed lifts and cranes to lift the bed..

The bed is equipped with a central lock or cross lock castors.

Locking mechanisms are located on the bottom chassis for the central lock at the two corners of the foot end. For the cross lockable wheel, the foot end is on the wheel in the right corner and the bedside on the wheel in the left corner.

Central Locking Pedal Positions

1. Forward Movement- Direction Lock (PEDAL UP)

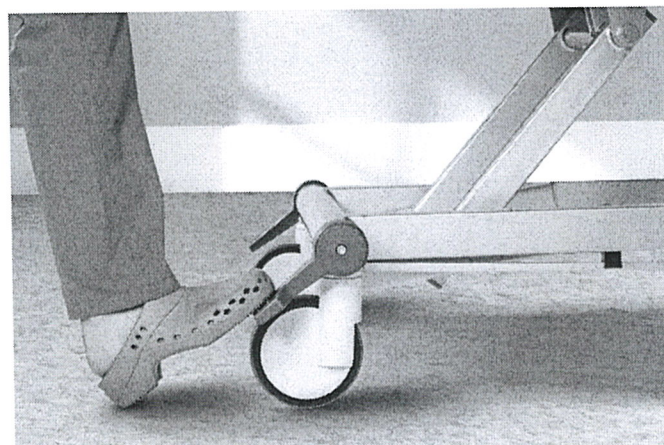
The front wheel to the left of the user view is directional locked. The bed moves straight ahead. If the bed has a fifth wheel, this wheel determines the direction of travel.

2. Unlimited Movement

All four wheels are unlocked.

3. Wheel Locked (PEDAL DOWN)

All four wheels are braked.



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15. Bed Accessories and Features

15.1. X-Ray Lung Examination (Back Part)

S17 The back of the bed optionally consists of HPL and is x-ray permeable. The bed is equipped with an x-ray cassette holder placed under the backrest. This design allows X-ray images of the patient's lungs to be taken without manually moving the patient.

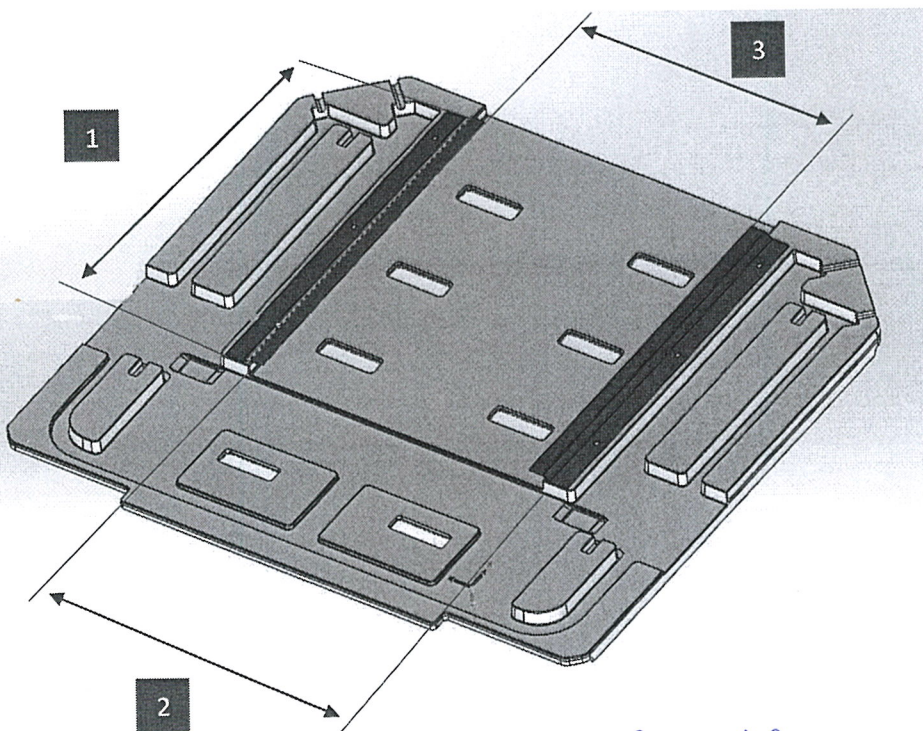
Necessary Steps Before Examination



NOTE: This procedure is primarily suitable for patients who cannot be moved due to critical conditions (e.g. internal bleeding) or unstable patients.

- Make sure the patient is in the middle of the bed.
- Make sure the backrest is in maximum position and the side wings are raised up.
- Place the x-ray cassette (format 43 × 35 cm (16.93 in x 13.78 in)) in its vertical position.
- Position the x-ray cassette holder with the x-ray cassette so that the cassette center indicator is exactly under the edge of the bed support platform.
- Adjust the parameters of the x-ray machine and make the image.

15.2. X-Ray Cassette Slot Technical Dimensions



- 1-Cassette Length 530 mm
- 2-Max. Cassette Width 430 mm
- 3-Min. Cassette Width 388 mm

Note: It is suitable for all cassettes with a width of 388 - 430 mm.

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