The multi-functional care bed
quadero+

Furniture systems for residential environments where people feel cared for
mauser provides tailored all-in-one solutions for care and welfare facilities, which create an environment that factors in the needs of people as they grow old. Mauser generates residential concepts that are geared to the special needs of care staff, the elderly as well as of the facilities themselves. Those in need of care are supported in “assisted residential environments”, which increases their sense of independence. More efficient processes within an improved infrastructure also take the pressure off care staff.

mauser’s new quadero+ multi-functional care bed is therefore a breakthrough as it represents the perfect combination of safety, comfort and convenience, functionality and cost-effectiveness.
Single bed type – multiple benefits

Our “quadero+” multi-functional care bed combines safety, mobility and cost-effectiveness in one! The convenient height-adjustment function (250 - 800 mm), including low-travel position, ensures the safety of its occupants, provides an ergonomic working height that is kind to the backs of care staff and is easy for them to operate. Our bed therefore meets all your establishment’s needs and requirements! Our fully equipped bed not only makes in-house logistics but also maintenance, technical inspections and the supply of spare parts easier. You then have just one type of bed in your care facility!

- Exceptional kinematics and excellent workmanship means the bed is absolutely stable, whatever the height setting. The maximum working height of 800 mm is kind to the backs of all care staff.
- Comfortable get-out-of-bed height of 400 mm via memory function.
- The bed can be lowered to a low height of 250 mm to prevent the occupant falling out and injuring themselves.
Features summary – well-designed, efficient, variable

Guardrails
- Split and continuous
- High degree of stability and easy handling
- Make getting out of bed easier
- Rapid replacement / retrofit capability
Anodised aluminium cabling - sealed surface makes them easier to clean and disinfect, abrasion-proof and wear-free

Recline Zones
- 4-part recline-zone in choice of 3 finishes

Controls / Motor
- IP 66 - laminated handset incl. memory function with "Stop at 400 mm" detail
- Progressive height adjustment
- "Memory Function" - by pressing a button, the bed is returned from every height setting to the get-out-of-bed height of 400 mm
- Single press-button operation for each height setting
- Sufficient legroom is provided in the head-up and feet-down position, even if a bed extension has been installed ("safety control")

Frame / Mobility
- Visually appealing caster conceals made of high-grade steel
- Ball-bearing mounted double casters, maintenance-free
- Safe working load: 225 kg
- Optimised height adjustment provided by vertical adjustability, the bed never "pivots out"
- Superb stability in every position
- Optimised bed manoeuvrability at any height setting ("niche-compatible")

Mains / Low Voltage
- An external electronic transformer converts the 230 V mains voltage, external to the bed, into completely harmless 32V low voltage.
- Easy maintenance: just one annual inspection.

Bed Extension
- Integrated bed extension up to 235 mm
- Retro-fit set in matching guardrail design

Nightlight Function
- Makes it easier to get one’s bearings and ensures greater night-time safety
- Can be optionally operated using the handset

Technical Data
- Height adjustment: 250 - 800 mm
- Outer dimensions: 1026 x 2100 mm (excl. wall-deflector caster)
- Recline-zone dimensions: 900 x 2000 m / optional - 1000 x 2000 mm
- Brakes: central 2-caster braking
- Backrest retraction: DBfK-compliant
Mauser guardrails – safety is our highest priority.

Mauser’s guardrail concept meets the needs of both care staff and bed occupants. Depending upon the level of care required, the guardrails can be adapted quickly and flexibly to each specific situation. Guardrails can be locked in place without much effort, meaning they can’t be operated accidentally.

Full protection: both guardrails are in raised position. Where supervision is warranted, the person in need of care cannot get out of bed on their own and is therefore not able to put themselves at risk.

Partial protection: one guardrail section in raised position. The person in need of care does not feel boxed in and can get out of bed on their own if they need to. Getting out of bed is made easier by the shorter guardrail at the headboard end.

No protection: both guardrails in folded-down position. The safety of the occupant is ensured by the low position of the bed.

Die Seiten sicherungslösungen
1. The guardrails are characterized by a high degree of stability.
2. They can be set at three heights, are easy to handle and can be replaced or retro-fitted if necessary.
3. The split guardrail length ratio (40 to 60%) makes it easier for the occupant to get out of bed and assists their mobility, since there is no central post to get in the way.
4. Anodized aluminum railings – their sealed surface makes them easier to clean and disinfect. They are abrasion-proof and wear-free.
5. Guardrail fill-in surfaces are available in the same colour finish as head- and footboards and come with colour-matched recline-zone panelling as an optional extra.
6. Suitable for use with mattresses up to 160 mm thick.

Spec versions:
- Split guardrails (all-round protection) 4-part
  Flexible, bed-frame-mounted all-round protection and mobility aid, consisting of 4 separate pivoting/telescopic-action guardrail elements.
- Split guardrails (basic protection) 2-part
  Flexible, bed-frame-mounted basic protection and mobility aid, consisting of 2 separate headboard-end pivoting/telescopic-action guardrail elements (60%), add-on set can be used to upgrade to all-round protection.
- 2-part add-on set for split guardrails
  2-part bed-frame-mounted basic protection add-on-set, consisting of 2 separate pivoting/telescopic-action guardrail elements. When combined with basic protection guardrails, the 2 add-on components provide full, all-round protection (when installed, the basic protection guardrails are repositioned at the footboard end of the bed).
- Combination (split, continuous)
  This combination consists of split guardrails on one side of the bed (get-out-of-bed zone) and continuous guardrails on the other side (for beds positioned against a wall).
- Recline-zone panelling
  Lateral, bed-frame-mounted recline-zone panelling. Continuous screening available in colour-matched laminates.

Quadero+ care bed with continuous guardrails: both models in the Quadero+ care bed range are also available with continuous guardrails.
Mauser’s bed operation concept: safe and simple, featuring a smart memory function. Sleep & Stay-Strategie

Mobility at the touch of a button. The more a person in need of care is restricted in their mobility, the more important it is for that person to be able to operate the bed easily “at the touch of a button”. The various bed positions (1 to 7) can be set easily by pressing just one button. To activate the various functions, there is an access switch, which means that only care staff can activate the Trendelenburg (head-down)/Reverse Trendelenburg (feet-down) functions (8).

Handset with smart controls and laminated display
- Handset with 13 distinct buttons (keys)
- Only one press of the button needed for any position
- Protection type: IP 66
- Status LEDs
- With all-purpose stirrup bracket

Memory function
1. On pressing the button, the bed returns from any position to the get-out-of-bed height of 400 mm.

Single-press service function:
2. Comfortable cardiac position
3. Undisturbed lighting for better orientation
4. Combined back and leg elevation

Standard press-button functions:
5. Back section adjustment
6. Leg elevation
7. Bed height adjustment

Special functions (can be activated by care staff only):
8. Trendelenburg/Reverse Trendelenburg function

Low voltage
- An external electronic transformer converts the 230 V mains voltage, external to the bed, into completely harmless 32V low voltage.
- Easy maintenance: just one annual inspection

Fast adjustment to reach the cardiac position, which relieves pressure on the heart and blood circulation. In the sitting position the bed occupant is at eye-level with other people in the room.

Preventive position can be manually adjusted to relieve blockages and prevent bedsores.

Trendelenburg (head-down) position to stabilise the blood circulation in emergencies, e.g. when the bed occupant is in an acute state of shock.

Reverse Trendelenburg (feet-down) position to relieve pressure on the heart and blood circulation.

A manual emergency drop detail is available as an optional feature. In an emergency this enables the back section to be rapidly returned to a horizontal recline position.
Mauser’s recline-zone concept: incorporating comfort to prevent bedsores.

Mauser takes an integrated approach when designing its ranges of care beds. All components are matched to ensure an optimum degree of recline comfort. To this end the quadero+ range offers a choice of three recline-zone options, which can be applied depending on the requirements of particular bed occupants.

In an intensive care environment the rate of people in need of care suffering from bedsores is around 16%. The reason for this is that people in need of care spend most of their time in bed. A suitable bed sore prevention method enables this discomfort to be substantially alleviated. The micro-stimulation details are simply integrated into the wire-matting reclinezone. They are available both factory-fitted and as a retro-fit set.

The 4-part recline-zone made of robust powder coated wire matting guarantees good aeration/ventilation. The gluteal section features spring-mounted wooden battens with rigidity adjustability. The recline-zone can be retro-fitted with micro-stimulation details. The 4-part micro-stimulation recline-zone to prevent bedsores. Given its excellent cushioning and pressure-relief properties, it is an effective aid in preventing bedsores. The 55 pinpoint-elasticity spring details are simply clipped on to the wire-matting recline-zone.

These special pressure-relief details ensure that lying down is a well-cushioned experience and ensure constant bodyweight pressure distribution, thus preventing unilateral strain and pressure.

The 4-part recline-zone (optional width: 1000 mm) made of moisture-resistant high-pressure laminate (HPL). Contoured cut-outs ensure the 4 sections are well-ventilated; they can be removed individually and meet high standards of hygiene. The surface is odourless and not sensitive to solvents, abrasive cleaning agents etc.

4-part recline-zone (without retraction detail) Beim Hochfahren der Rückenlehne verstärkt sich der Druck auf den Beckenbereich. Das Dekubitus-Risiko ist erhöht.

Recline-zone with retraction detail The DBfK-compliant recline-zone with retraction detail relieves pressure on the pelvic region. The back section retracts when being raised, thereby reducing frictional and shear forces.

4-part recline-zone with retraction detail The HPL recline-zone is easy to remove and can therefore be cleaned quickly and thoroughly. The smooth, dirt-repellent surface also makes cleaning easy.
**Mattress Systems / Bedsore Prevention**

Enabling people in need of care to lie properly in bed plays a key part in prevention and therapy, especially in the prevention of bedsores. Selecting the right mattress is therefore an important component of mauser’s recline-zone concept to reduce the risk of bedsores. All mauser’s mattresses feature a fully protective cover with L-shaped zip fastener that provides reliable protection against fluids, bacteria, funguses and viruses penetrating the mattress. The special recesses match our care bed range’s 4 recline-zone segments exactly and facilitate optimum recline-zone adjustment.

### MC pure Care Mattress
- All-purpose care mattress made of polyether foam
- Height 120 mm
- 120 mm polyether foam, volumetric weight: 35, compression hardness: 3.0 kPa
- Dimensions 1: 900 x 2000 mm, Dimensions 2: 1000 x 2000 mm

### MC visco Care Mattress
- Bedsores prevention mattress
- 2-layer system ensures good pressure distribution and support
- Height 120 mm
- Topside: 50 mm visco (memory) foam, volumetric weight: 50, compression hardness: 1.8 kPa
- Underside: 70 mm polyether foam, volumetric weight: 40, compression hardness: 3.7 kPa
- Dimensions 1: 900 x 2000 mm, Dimensions 2: 1000 x 2000 mm

### MC visco plus Care Mattress
- Bedsores prevention mattress with excellent pressure distribution for patients in greater need of care
- Advanced 2-layer visco/HR foam technology to prevent bedsores
- Shoulder and pelvic zones ensure good body contour adaptation
- High degree of air permeability provided by temperature zones and reduction of vapour barriers
- Height 140 mm
- Topside: 60 mm cold foam, volumetric weight: 45, compression hardness: 3.0 kPa
- Underside: 80 mm cold foam, volumetric weight: 45, compression hardness: 4.0 kPa
- Dimensions 1: 900 x 2000 mm, Dimensions 2: 870 x 1950 mm, Dimensions 3: 1000 x 2000 mm

### MC 3D Care Mattress
- Cold foam comfort care mattress
- 3D cubed surface for stimulation purposes, improved pinpoint elasticity and moderate pressure relief
- Air channels in the surface ensure high degree of moisture drainage
- Height 140 mm
- Topside: 140 mm cold foam, volumetric weight: 45, compression hardness: 3.0 kPa
- Dimensions 1: 900 x 2000 mm, Dimensions 2: 870 x 1950 mm, Dimensions 3: 1000 x 2000 mm

Edge-section reinforcement – an aid to more mobility

Mauser’s mattress models feature edge-section reinforcement as an optional extra. This prevents the mattress giving way under the weight of the occupant, and helps the occupant be more mobile by enabling them to get in/out of bed more easily.

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### Accessories

**Guardrail cushioning** to close gaps between rails. Available for both continuous and split guardrails.

**Anti-collision device** (3D wall-spacer castor).

**Fall-arrest mat**
The fall-arrest mat features a special design and, if placed in front of where the occupant normally gets out of bed, helps to soften the impact of any fall. It can be set up and taken down by care staff in a matter of seconds and can be stored in a practical storage case format.

**LED night-time orientation light**
Ergonomically shaped, the shade can be rotated about 360°.

**Patient Hoist**
The hoist enables users to be more mobile. Its ergonomic grab handles provide purchase and stability. It is available with an oval or a standard trapzium-shaped handle. The hoist with an oval trapzium-shaped handle also features an impregnated inertia-reel belt.

### Headboards/Footboards and Laminates

**Headboards and Footboards**
Given the distinct, evergreen design vocabulary of the headboards and footboards in three attractive designs, this bed blends well into the privacy sphere of its users. And there is no limit to design creativity, given the broad choice of laminates and wide range of combination options.

**Luxembourg Design**
Decorative slip cover made of easy-to-clean artificial leather for the Luxembourg Design.

**Frankfurt Design**
Bi-coloured variants.

**Hamburg Design**

**Seabean beech**

**Light oak**

**Havana cherry**

**Walnut**

**Maple**

**Cherry**

Plain colours or other wood shades available upon request.
Design Specification / Technical Data

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height adjustment</td>
<td>250 - 800 mm</td>
</tr>
<tr>
<td>Outer dimensions</td>
<td>W = 1026 mm, L = 2100 mm (excl. wall-deflector castors)</td>
</tr>
<tr>
<td>Recline-zone dimensions</td>
<td>approx. 900 mm x 2000 mm / optional - 1000 mm x 2000 mm</td>
</tr>
<tr>
<td>Recline-zone - Model BC 720</td>
<td>4-part HPL recline-zone ( optionally available in width of 1000 mm )</td>
</tr>
<tr>
<td>Recline-zone - Model BC 730</td>
<td>4-part wire-mattting recline-zone with support slats in sitting section ( can be upgraded to BC 750 )</td>
</tr>
<tr>
<td>Recline-zone - Model BC 750</td>
<td>4-part wire-mattting recline-zone with support slats in sitting section plus micro-stimulation details</td>
</tr>
<tr>
<td>Bed frame - steel frame</td>
<td>in RAL 9007 powder-coated finish</td>
</tr>
<tr>
<td>Castors</td>
<td>concealed double castors in robust high-grade steel columns</td>
</tr>
<tr>
<td>Brakes</td>
<td>central 2-caster braking</td>
</tr>
<tr>
<td>Underbed clearance</td>
<td>350 mm x 1000 mm</td>
</tr>
<tr>
<td>Back section retraction angle</td>
<td>100 mm ( DBF-k-compliant )</td>
</tr>
<tr>
<td>Back section</td>
<td>0° - 70°</td>
</tr>
<tr>
<td>Thigh section</td>
<td>0° - 30°</td>
</tr>
<tr>
<td>Lower leg section negative</td>
<td>0° - (-)12°</td>
</tr>
<tr>
<td>Lower leg section manual</td>
<td>(-)12° - (+)12°</td>
</tr>
<tr>
<td>Trendelenburg / Head-down position</td>
<td>0° - (-)15°</td>
</tr>
<tr>
<td>Reverse Trendelenburg / Feet-down position</td>
<td>0° - (+)15°</td>
</tr>
<tr>
<td>Protection type - drive units</td>
<td>IP x4</td>
</tr>
<tr>
<td>Protection type - handset</td>
<td>IP 66 laminated-display handset, incl. memory function with ‘Stop at 400 mm’ detail</td>
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<tr>
<td>Mains voltage</td>
<td>an external electronic transformer converts the 230V mains voltage, external to the bed, into completely harmless 32V ‘low voltage’</td>
</tr>
<tr>
<td>Underbed lighting</td>
<td>with optional handset operation</td>
</tr>
<tr>
<td>Safe working load</td>
<td>2250 N (approx. 225 kg)</td>
</tr>
<tr>
<td>Bed extension</td>
<td>factory-integrated capability to extend to 235 mm</td>
</tr>
<tr>
<td>Mattress thickness</td>
<td>up to a maximum of 160 mm</td>
</tr>
</tbody>
</table>

Guaranteed quality standards and sustainable processes, documented by EN ISO 9001 and EN ISO 14001 certification and compliance with the Medical Products Act, EN ISO 13485.

mauser – furniture systems for residential environments where people feel looked after

**Everything from a single source:**
We are the manufacturer with the widest range of interiors solutions in the residential care sector. The interaction of the business units enables us to achieve a unique level of group dynamics, where the skills of the entire group are pooled.

**Made in Germany:**
As part of the Vauth-Sagel Group, a 100% family business, we manufacture exclusively in Germany. We combine our exceptional materials and manufacturing skills with high standards of quality and design.

**Integrated furnishing solutions:**
Our project services include budgeting, conceptual design, project planning and coordination. We combine cost-effectiveness with sustainability by selling direct to clients.

**Long-term partnership:**
Once a project has been completed, we continue to support our clients by providing maintenance, training and warranties, which in the case of many products exceed statutory requirements.
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