

IMPULSE Edition 500 care bed

Cosy fall prevention without compromise



IMPULSE Edition 500

The new ultra-low bed offers fall prevention without compromise

The risk of falling increases exponentially with age. Residents' declining motor skills, be it due to chronic diseases or age-related limitations, pose particular challenges for staff in retirement and nursing homes.

The IMPULSE Edition 500 offers **maximum fall prevention and unrestricted functionality without the need for additional safety elements**. A sleeping surface height of only 15 cm in the lowest position means there is almost no risk of injury from rolling out.

To further enhance fall prevention, Malsch also offers bed exit systems. Their reliable, on-demand alarm system ensures that staff can be on hand just when they are needed, thus contributing to resident-centred care procedures.

The height of the IMPULSE Edition 500 can be flexibly electrically adjusted from **15 to 75 cm**. It comes as standard with a sleeping surface which can be swivelled axially. The Trendelenburg and reverse-Trendelenburg positions as well as a tried-and-tested comfort sitting position are among the basic functions of the ultra-low bed.

The new all-rounder also has a trapezoidal lift with powerful linear motors – for maximum stability with a safe working load of 200kg. It is thus also suitable for heavy residents.

Features:

- Ultra-low bed with close to the ground sleeping position
- 15 cm low position for the sleeping surface
- Safe fall prevention without the need for restraining measures
- Central axle brake
- Home-like design with covered castors
- Safe working load of 200 kg
- Compact external dimensions: 100x205 cm
- Tool-free bed extension up to 220 cm
- Different sleeping surface options available: metal slats, metal lattice, comfort sleeping surface
- Comfort sitting position
- Back rest mattress compensation
- Trendelenburg/reverse-Trendelenburg position
- Easy underneath access for lifting patients
- Wide selection of head/foot board designs
- Available in various wood finishes

Options:

- Mobilization aid, extendable
- to a comfort width of 120 cm



Ultra low. Ultra versatile. Ultra flexible.

IMPULSE Edition 500 – an uncompromising all-rounder: Convenient care functions are complemented by effective fall prevention functionality – for maximum safety and comfort in everyday care.



Fall-prone residents benefit from the **ultra-low position** (1) of the new Edition 500. At only 15 cm, the sleeping surface is only as high as a ballpoint pen in this position. For optimal fall prevention – especially for people with restless sleep.



The optimised intermediate height of the **transfer position** (2) enables people with reduced mobility to get in and out of bed comfortably and safely.



It is the operator's responsibility to ensure occupational health and safety. This is why it is important to maintain ergonomic, back-friendly working conditions for care staff. The optimised **working height** (3) of the IMPULSE Edition 500 enables an upright posture while caring for residents.



Better orientation and a comfortable sitting position – residents can use the **comfort sitting position** button mechanism (4) to obtain a chair-like sleeping surface. Ideal for watching TV, reading or chatting with other residents.



The **Trendelenburg position** (5) can assist with stabilising residents who have circulatory problems. The electrically motorised adjustment in the head-lowering device enables quick action.

Undercarriage

The undercarriage of the ultra-low bed has a central axle brake on the covered double castors.



Mobility aids

Enhanced safety is provided by the optional mobility aid. The easily accessible, sturdy telescopic grip handle facilitates independent raising. The mobility aid also assists care staff with repositioning residents.



Bed exit systems

For optimal care procedures and more safety

Two solutions – one goal

Process-safe occupation detection improves the quality of life of fall-prone patients or those suffering from dementia. It also provides effective relief for care staff. For this purpose, use of a so-called bed exit system is recommended, especially in combination with a low bed to support fall prevention without the need for side rail solutions.

Two options are available for Malsch care beds: The integrated system – which is installed in the sleeping surface at the factory – has precision sensors that reliably detect even the most lightweight residents.¹ An alternative is the “Bucinator” mobile sensor cushion, which is placed under the edge of the mattress on the respective exit side of the bed and can be used flexibly with different beds in different rooms. Both solutions can be wirelessly connected to existing paging systems.

Combining both variants:

If the system detects that the person being monitored has left the sleeping surface, a nurse call is placed via the existing paging system. This ensures that the carer responsible gets there in time. The integrated system also has the option of setting individual return times. This means there is a waiting period between the event and the alarm, which can cover, for example, a visit to the bathroom at night of up to ten minutes without alerting the carer. If the monitored person does not return to bed after the time window has expired, an immediate alarm is issued.

In order for the systems to transmit the alarm via the existing paging system, optional radio receivers are required which are connected to the plug-in contact of the paging system in the respective room.

¹ Only for ABS sleeping surface area 90x200 cm IMPULSE Edition 400/400LR

Malsch low care beds in comparison

THE IMPULSE care bed offers impressive versatility. Individual configuration options are available for virtually every care application.

The undercarriages of the 420 (LR), 400 (LR) and 500 editions are characterised by an extremely low sleeping surface height in the lowest position and are therefore especially recommended for fall prevention.

Additional configurations can be found in the “IMPULSE care bed” brochure or online at bettenmalsch.com.

IMPULSE Edition 500	IMPULSE Edition 400/400 LR	IMPULSE Edition 420/420 LR
		
IMPULSE Edition 500 without side rails V480 design on head/foot boards (H1180 finish)	IMPULSE Edition 400 with vertical side rails at the head of the bed V490 design on head/foot boards (H1180 finish)	IMPULSE Edition 420 with swivelling side rails at the head of the bed V490 design on head/foot boards (H1180 finish)
Ultra-low care bed for fall prevention	Low care bed for fall prevention	Low care bed for fall prevention
Concealed 60 mm double castors	Concealed castors/ 100 mm double castors (LR)	Concealed castors/ 100 mm double castors (LR)
Central axle brake	Axle brake/ central brake (LR)	Axle brake/ central brake (LR)
Height adjustment from 15 to 75 cm	Height adjustment from 25 to 82 cm/ height adjustment from 26 to 82 cm (LR)	Height adjustment from 27 to 80 cm/ height adjustment from 28 to 81 cm (LR)
Safe working load 200 kg	Safe working load 225 kg	Safe working load 200 kg
Transfer position	Transfer position	–
Trendelenburg/reverse-Trendelenburg position	Trendelenburg/reverse-Trendelenburg position	–
Four-part sleeping surface	Four-part sleeping surface	Four-part sleeping surface
Back rest mattress compensation	Back rest mattress compensation	Optional back rest mattress compensation
Auto contour position	Auto contour position	Auto contour position
Comfort sitting position	Comfort sitting position	–
Integrated bed extension	Integrated bed extension	Integrated bed extension
Sleeping surface options: metal slats, metal lattice, comfort sleeping surface	Sleeping surface options: metal lattice, ABS ¹ , comfort sleeping surface	Sleeping surface options: metal slats, metal lattice, ABS ¹ , comfort sleeping surface
Sleeping surface 90x200 cm, special widths of up to 120 cm possible	Sleeping surface 90x200 cm, special widths of 80 to 120 cm possible	Sleeping surface 90x200 cm, special widths of 80 to 90 cm possible
Optional mobility aid	Side rail options	Side rail options
Head/foot board options	Head/foot board options	Head/foot board options
Various finishes	Various finishes	Various finishes

¹ Only for standard size 90x200 cm

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