

ESSENTIALLY BETTER



Basano

The low-height bed for floor-level caring



Basano – The floor-level care bed for more protection, quality of life and relief



Mats combined with furniture that is close to the floor can help people with severe dementia to exploit the movement options open to them, such as crawling, residual movements and rolling.

Schuhmacher, B.; Becker, C.; Koczy, P.; Viol, M.; Klie, T. (2017): Beispiele für eine gute Praxis bei der Vermeidung von körpernahen Fixierungen in Einrichtungen der stationären Altenpflege



Nursing homes face major challenges when residents are at extreme risk of falling due to advanced dementia, for example. Permanent restraint using belts or safety sides is not acceptable for the physical and psychological welfare of people, and continuous monitoring is not feasible in terms of staff.

In such cases, many establishments rely on the concept of floor-level care to prevent falls and maintain the residents' freedom of movement. Our discussions with care professionals have shown that it is not uncommon for a mattress on the floor to be used as a bed. But this puts a strain on caregivers' backs and often arouses the ire of relatives who find such accommodation undignified.

Our ultra-low Basano bed solves these problems. It gives residents a safe, comfortable position in bed, close to the floor, and provides carers with the full support of a modern care bed – and with its attractive appearance, it enhances well-being on the ward and the public image of the establishment. Discover the many strengths of this low-height bed for yourself.

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Working with residents or patients with dementia or behavioural problems is often perceived as stressful. Sometimes, additional pressure arises because relatives do not see their expectations of their relatives' care fulfilled.

Zok, K. (2010): Gesundheitliche Beschwerden und Belastungen am Arbeitsplatz: Ergebnisse aus Beschäftigtenbefragungen, Wissenschaftliches Institut der AOK (WIdO) (Hrsg.)

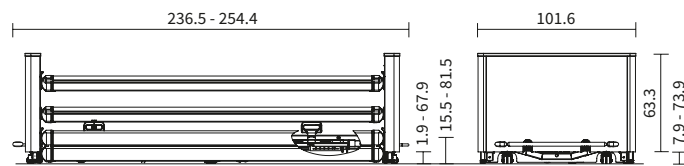
Basano

The smart ultra-low bed

The combination of preventing falls through floor-level care and working at a back-friendly waist height might appear to be a contradiction in terms. Some ultra-low beds, or even improvised solutions with mattresses on the floor, mean that carers have to maintain an exhausting, stooped posture. Our Basano, with its height adjustment range from about 15 to 80 cm, meets both these requirements. Residents enjoy maximum protection without measures that deprive them of their liberty, while carers receive the support of a fully equipped care bed.

- Height adjustment range: approx. 15-80 cm
- High safe working load of 225 kg
- All functions can be controlled with a handset
- Choice of full-length and combined safety side
- Both safety sides with Easy Click system requiring no tools for fitting
- Simple castor braking in pairs with easily accessible brake pedals
- Integrated bed extension for tall residents
- Homelike appearance thanks to attractive headboards and footboards and wood decors

External dimensions/height adjustment range:



The rate of fall from a height of 25 cm is almost 30% higher than from a height of 15 cm. At the same time, the force of impact is reduced by 40% at the lower height.

Zaphir, Dr. George (2014): Lowest Heights of Floor Level Beds: Fall Velocity and Impact Force Analysis and Resulting Injuries

ESSENTIALLY BETTER Floor-level care

If residents suffer from dementia, severe cognitive impairment, balance disorders or restlessness, falls may occur more frequently. Restraints cannot deal with these many dangers without destroying the resident's quality of life. Staying at a position near the ground can be a good compromise between protection and an unhindered desire for freedom.

▼ In the position close to the ground, the use of the safety side can often be dispensed with.

▼ An ideal position for standing up can be set thanks to the infinitely variable height adjustment.



Protection with Easy Click

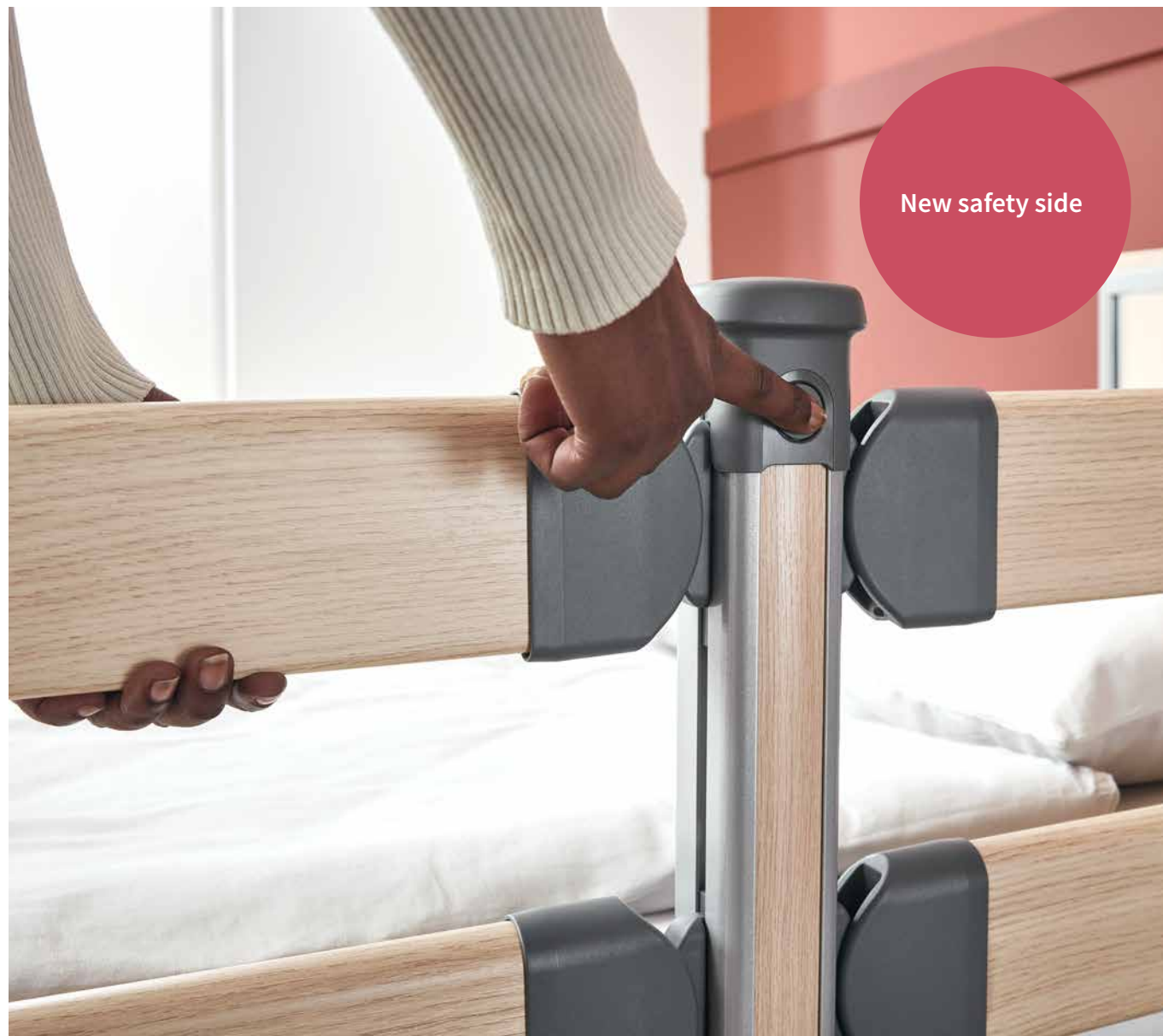
Full-length and combinable safety side

In the low position close to the ground, at approx. 15 cm, it is often not necessary to use safety sides. Nevertheless, they can give the resident an additional feeling of security and protect them when the bed is in a higher position. The innovative design of the Basano allows you to choose from two systems: full-length safety side for maximum fall prevention and split combinable safety side, which combines protection with unhindered entry and exit and thus follows the philosophy of the Werdenfelser approach. As the name suggests, the combinable safety side can be combined with a full-

length safety side on the other side of the bed. Its centre support also serves as a standing aid for the resident.

With the intelligent Easy Click system, the safety sides can be “clicked” onto pre-assembled brackets without the need for tools and can be removed again at any time. This makes it easy to assemble and clean the bed. If the bed extension is used, longer bars can also be simply clicked on.

- ▼ To lower the bars of the combinable safety side, simply press the button on the centre support. When not required, the support itself can simply be removed and stored in a holder under the bed.



- ▲ Easy Click allows safety side bars to be attached to pre-assembled brackets without the need for tools.



- ▲ With an easy-to-operate release mechanism on the headboard and footboard, the bars can be lowered using just one hand.

ESSENTIALLY BETTER

The Easy Click system

With the Easy Click system, the safety sides can be “clicked” on both sides onto pre-assembled brackets and removed again at any time, without the need for tools. The release mechanism is so securely concealed in the bracket that unintentional removal of the bars is very unlikely. For caregivers and technical staff, on the other hand, converting the bed becomes very easy. The plastic caps on the bars prevent open edges through which dirt and moisture could penetrate.

The provision of low beds is a simple and relatively inexpensive measure for improving the situation of patients with dementia.

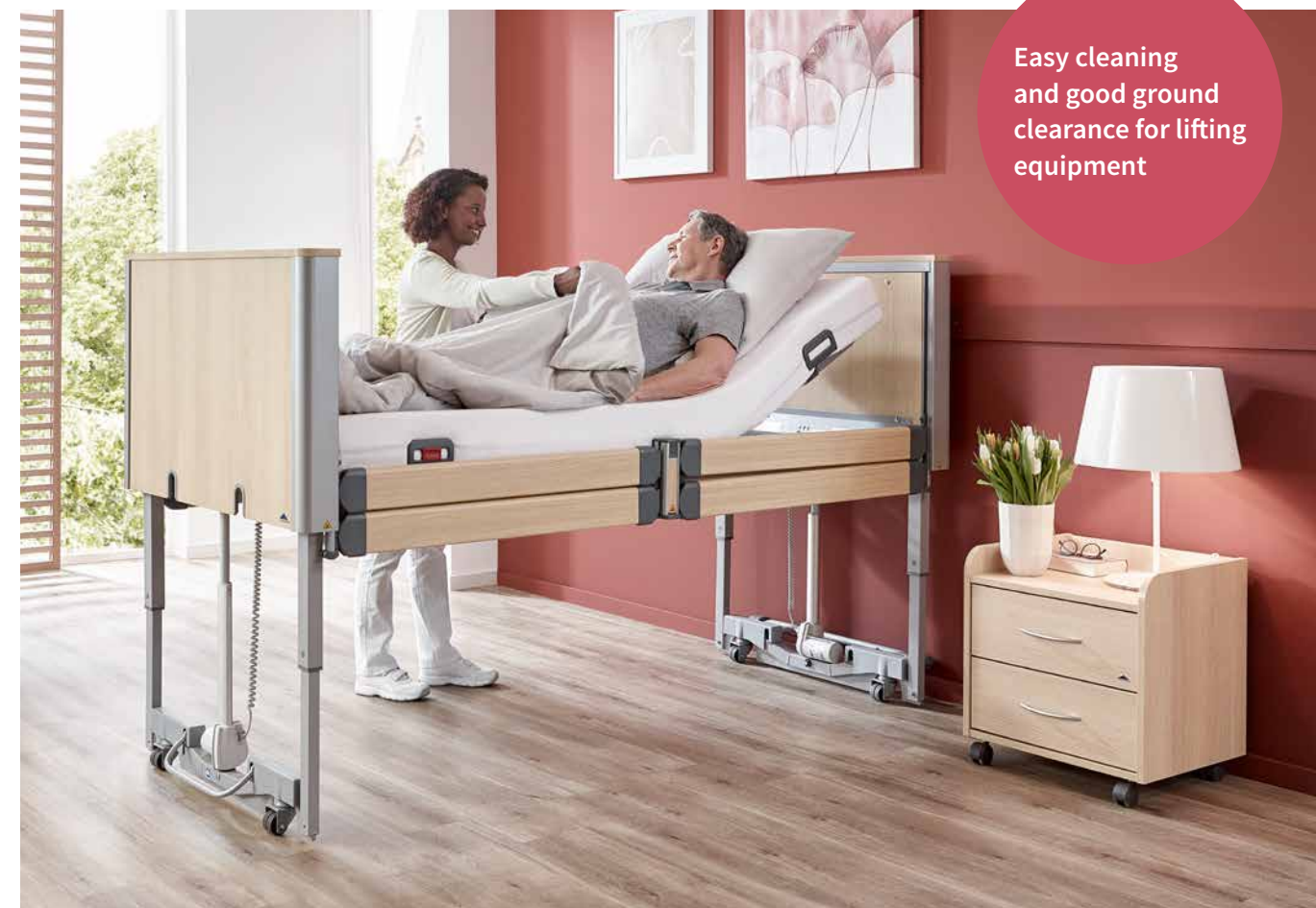
Care study: Dementia in hospitals, a growing problem (aerzteblatt.de)



- ▲ Plastic caps protect the bars from damage and the ingress of dirt and liquid.



The foot end can be lowered to create a comfortable sitting position for eating meals, conversing or watching TV.



Easy cleaning and good ground clearance for lifting equipment

▲ At its highest maximum setting of 80 cm, carers can work ergonomically at waist height. Their health will be protected, downtimes are reduced.

Comfort

A care bed for every wish

The requirements of people in need of care change over time, and a strong tendency to fall can also occur in phases or develop slowly. Our Basano is an ultra-low bed and a normal care bed at the same time, that adapts to changing needs and different residents. Its infinitely variable height adjustment with an intermediate stop at approx. 38 cm allows the user to stand up ergonomically. The comfortable sitting position facilitates taking meals in bed, supports breathing and reduces the risk of pulmonary aspiration.

For tall residents, the integrated 20-cm bed extension creates plenty of space. It can be pulled out without tools. The extension set consisting of an infill piece for the mattress base, longer safety side bars and supplementary parts for the side panels ensures safety, comfort and cosiness.

Care staff complain of high levels of stress in the workplace. The main factors include: lifting and carrying heavy objects (40.6%), bearing considerable responsibility (40%) and maintaining a high level of concentration (38.3%).

Zok, K. (2010): Gesundheitliche Beschwerden und Belastungen am Arbeitsplatz: Ergebnisse aus Beschäftigtenbefragungen, Wissenschaftliches Institut der AOK (WIdO) (Hrsg.)



▲ The easy-to-mount extension set completes the integrated bed extension in no time.



▲ When using the bed extension, extension sets with longer bars and side panel infill pieces are available for both the combinable and the full-length safety side.



The optional under bed light can be switched on manually or activated automatically via the out-of-bed system. It offers the resident orientation at night and thus additionally reduces the risk of falling.

Most falls take place at night and in the late evening and early morning hours.

Kinne, V., Klewer, J. (2016): Sturzereignisse in einem Universitätsklinikum, in: HeilberufeScience, V. 1/2016, P. 9

Safety

Convenient operation with the best possible protection

The construction of very low beds brings with it a number of technical challenges, which we have solved in close exchange with our partners in the nursing homes in a way that is suitable for everyday use. The brakes, for example: The Basano's internal, low castors ensure good manoeuvrability and do not become tripping hazards, but do not provide space for brake pedals. Instead, these are located within easy reach at the head and foot sections and allow the castors to be braked in pairs. The wide headboard brake pedal can be operated effortlessly even when the bed stands with the headboard directly against a wall.

The Basano offers the best possible pinch protection when it is adjusted to its lowest position, and it does this without the need for a second handset or cumbersome key combinations to unlock the function. The bed simply stops before it reaches the ultra-low range and waits for the button to be pressed again. It then descends further at a very slow speed. An acoustic signal reminds carers to pull their feet or any objects out from under the bed.



▲ With the headboard against the wall, the head-end brake is long enough to be reached from the side of the bed.



▲ The low, internal castors can be braked in pairs – here via the brake pedal at the foot end of the bed.



ESSENTIALLY BETTER The Out-of-Bed system

For residents at high risk of falling, the optional out-of-bed system provides even more safety. It reports via the house call system if the patient leaves the bed and does not return after a preset interval between 15 seconds and 15 minutes. The out-of-bed handset (left in the picture) can also be used to activate a glare-free under bed light for better orientation at night. The under bed light and the reading lamp can be coupled with the out-of-bed system so that they switch on automatically when the resident leaves the bed.



Acoustic signal

When the bed moves close to the floor during height adjustment, an acoustic signal sounds for optimum pinch protection.

Equipment and options

Basano	
Dimensions and weights	
External dimensions	approx. 101,6 × 236,5 cm
External dimensions with extended bed extension	approx. 101,6 × 254,5 cm
Mattress base (mattress dimensions)	87x200 cm
Mattress base division (back/seat/thigh/lower leg)	approx. 72 / 25 / 33 / 54 cm
Backrest length compensation	approx. 8 cm
Safe working load	225 kg
Ground clearance	15 cm
Total weight	approx. 130 kg
Drives	
Fully electric	✓
Fully electric OpenBus technology	✓
24-volt drive concept with external transformer	0
230-volt drive	✓
Electronic components	
Handset (selective locking function)	✓
LCD handset	0
Out-of-Bed system	0
Handset for tilting the head end down (Trendelenburg)	0
Safety side systems	
Integrated full-length safety sides with Easy Click system (DSE)	✓
Integrated combinable safety sides with Easy Click system (KSE)	0
DSE left side / KSE right side	0
DSE right side / KSE left side	0
KSE at the head end	0
Protective height of safety sides	41 cm
Mattress bases	
Hygiene mattress base	✓
Comfort mattress base	✓
4-section mattress base	✓
Mattress base tiltable to reverse-Trendelenburg position	✓
Mattress base tiltable to Trendelenburg position	0
Castors	
Double castor Ø 50 mm	✓
2 x 2 locking castors	✓

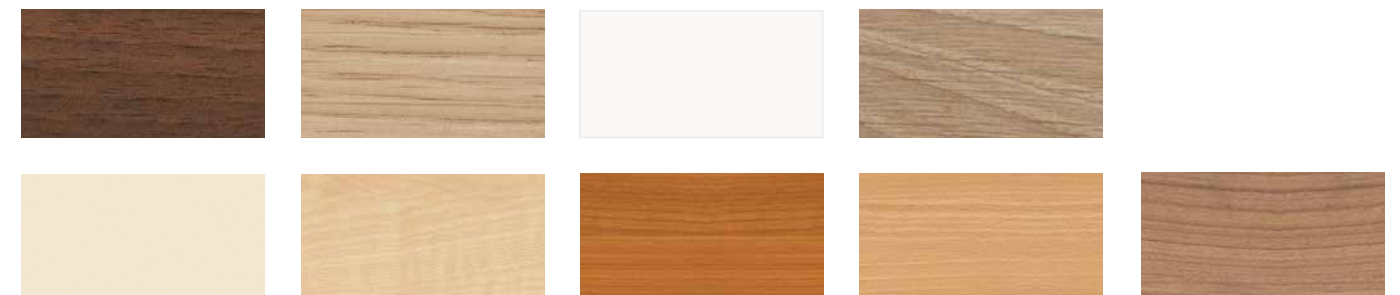
✓ = Standard feature
0 = Available as an option

Basano	
Miscellaneous	
Ground clearance for lifting equipment	✓
Adapter sleeves at head end	✓
Adapter sleeves at foot end	0
Integrated pull-out bed extension (20 cm), no tools required	0
Integrated battery	0

✓ = Standard feature
0 = Available as an option

Decors

From dark Bella Noche Chocolate to White Chalk – the homely wood decors in the Stieglmeyer collection give your Basano beds a personal touch that will match any interior and please the residents. We would be pleased to advise you.





Custodians of values
Shapers of the future



STIEGELMEYERGROUP

Custodians of values

Our company was founded in Herford in 1900 and is still a family-run enterprise today. Respect and a sense of responsibility towards our customers, employees and partners form the basis for our day-to-day work. Based on these values and our many years of experience, we offer our customers all over the world high-quality products, solutions and services to meet the needs of the care and healthcare sectors.

Shapers of the future

In order to cope with rapid changes in the care and healthcare sectors, we develop all our products ourselves. Creating innovations and visions of what care will be like in future are the goals we pursue. We maintain regular contact with our customers in order to support them in their daily tasks. Implementing tomorrow's trends today is a successful tradition of ours.

Our expertise

- Hospital
- Nursing home
- Homecare
- Lifestyle beds
- Contract furniture
- Service

The Stieglmeyer-Group is your international partner for hospitals and care facilities and, with the Burmeier brand, also for caring in the home. We support our customers with practice-oriented products, solutions and services that we are constantly developing further.

- Founded in 1900 and still family managed
- Over 1,100 employees worldwide
- All core products manufactured in proprietary factories
- Product development and production in Germany
- Service, training and process optimisation at customer's premises
- International certification and export to more than 60 countries
- Distribution companies located in Belgium, Finland, France, Netherlands, Poland and South Africa

Our brands





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