

  **wissner-**
  **bossenhoff**



Sentida

Universal low nursing beds





Photo: René Schwerdtel, Modelle: Etenette Colet (*1925) & Séverine Larralde

Photo: Cover Milieu: Living concept Ocean, universal nursing bed sentida, Design Ts10, Norway maple wood decor | Photo: Cover Portrait: René Schwerdtel, Modell: Mitsuko Matayoshi (*1924)

Safety and comfort in perfection

sentida – universal low nursing beds

Falling is one of the greatest risks for the physical health and psychological well-being of elderly people. For this reason, systematic fall prevention is of crucial importance in care for the elderly, making it an important quality feature of a nursing home. The consequences of falls are often very serious for elderly people and, in the worst case, even irreversible. The fear of further falls is one of the most common psychological consequences, leading to limited physical activity, a loss of self-confidence and social isolation.

With the sentida range of low nursing beds, wissner-bosserhoff has achieved a consequent and above all uncompromising implementation of the requirements of modern nursing care: high safety standards, hand in hand with a cozy design.

Innovative solutions such as the 3-stop strategy and the patented SafeFree® side guard concept reduce falls as well as the consequences associated with them and set standards in terms of safety, mobility, height adjustability and coziness.

36

million falls
are reported
each year:

One out of four older adults will fall each year in the United States, making falls a public health concern, particularly among the aging population.

(Source: Centers for Disease Control and Prevention (CDC),
<https://www.cdc.gov/injury/features/older-adult-falls/index.html>)



Prevention
with Sentida
low nursing beds

for use in institutions with high standards of universal care close to the ground: skilled nursing facilities, rehabilitation hospitals, memory care facilities, hospice care and long-term acute care facilities.

Protection and mobility without FDM*

SafeFree® the patented side guard concept

The SafeFree® divided side guard system is patented and voluntarily certified. The technology has been tested in practice more than 1,000,000 times. You can lower the space-saving side guards quickly in only 2 seconds and individually adjust them to four heights, depending on the care situation and size of the resident. Obtaining freedom instead of taking it away, in agreement with the Werdenfelser Weg (Werdenfelser care pathway)**.

1

No protection needed



Lowered, the divided side guards look homely and provide unhindered access to the resident for daily routine nursing tasks. No need to take off and store accessories that are in the way, such as a middle post or fixed side guards.

2

Soft protection (no FDM*)



For safety at night, it is often sufficient to combine the low position of the bed with the first height level of the head-end side guard. This avoids unnecessary barriers and effectively reduces the risk of falls.

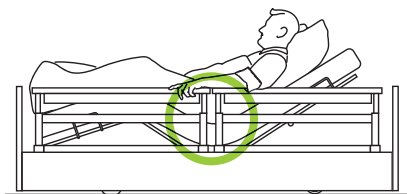
3

¾ protection (no FDM*)



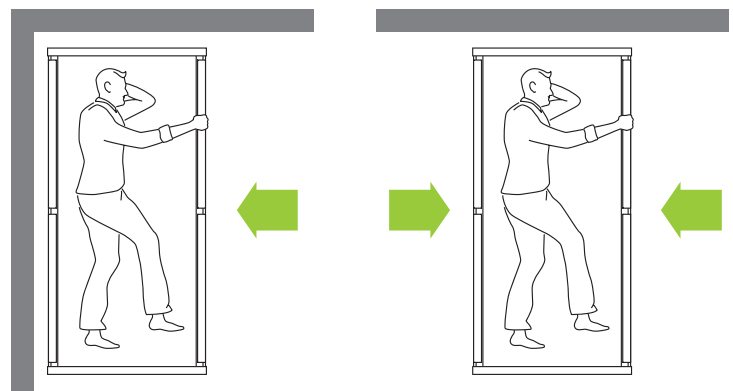
Creates a deliberate bed egress gap at the foot end to reduce freedom-depriving measures (FDM) while at the same time maintaining a high safety standard.

More safety due to smaller central gap* < 60 mm



- Targeted compliance with the standard IEC 60601-2-52
- Safety in working position, i.e. also with raised backrest or leg rest
- Safety without using an additional central gap protector as accessory for restraint with an abdominal belt in accordance with the BfArM** (German Federal Institute for Drugs and Medical Devices)

All-round access for nursing tasks = with 4 divided side guards

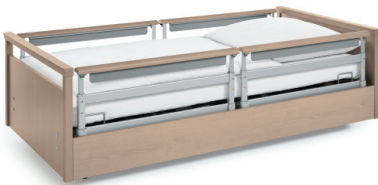


- Flexible use of the bed for standard care, even in limited spaces
- Flexible access from both sides of the bed in case of increased need for care
- Flexible use of the bed for bed egress on the left or right side to mobilize the resident
- Avoiding follow-up costs for upgrading divided side guards

4

Full protection (FDM*)

for mattresses up to 18 cm



The highest position provides comprehensive protection of the resident. The distance between the two parts of the side guards is minimal, making them just as safe as a continuous side guard and exceeding the requirements of the standard IEC 60601-2-52. It is not necessary to stock up on accessories to close a central gap when using an abdominal belt for restraint.

If you use a thicker mattress, you can raise the side guards by an additional 6 cm.

Learn more:



Videos on the side guard concept



Safe mobilization regardless of body size



Divided side guards are very useful for effective mobilization, as they are easy to grab and clasp. They can be used as a safe standing-up aid and verifiably support the resident's mobility.

2 Automatic positions



Watching television, reading or eating breakfast in bed with automatic comfort seating



Bedsore prevention and keeping heels free with automatic positioning

SafeFree® Flex

Side guards as individual as your needs

In addition to permanently mounted side elements, individual and future-oriented SafeFree® Flex offers as much freedom as possible and as much protection as necessary. At the same time SafeFree® Flex retains the homely design which distinguishes all wissner-bosserhoff nursing home beds.

0

No protection needed



Comfort bed,
without side guards

Safe

Complete protection



- Secure fastening of elements
- Prevents an accidental loosening or removal of the side elements

Seamless safety



- Gap closure between the side panel and the patient surface
- Protection against accidents through getting trapped or wedged

Maximum mobilization



- Optimum length and individually adjustable height of the head-end side guard
- Perfect hip protection when sleeping as well as comfortable and ergonomic mobilization of the resident

Learn more:



Video



1|2

Soft protection (no FDM*)



Mobilization aid
only the head end elements

3

¾ protection (no FDM*)



Wall protection
with foot-end exit

4

Full protection (FDM*)

for mattresses up to 18 cm



4 fully adjustable
side guards

Free

Fewer FDM*



- Conscious “omission” of side guards
- Investment security for the operator
Legal certainty regarding FDM* for the nursing staff

Flex

More economic efficiency

Side elements can be adjusted without tools

Your budget can be used as flexibly as the side elements can be attached, because you only pay for the elements that your residents really need.

No technician needed

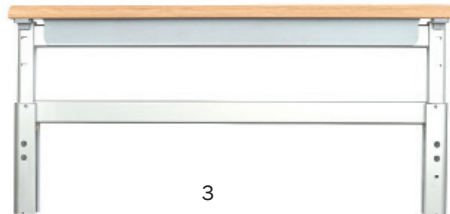
Quick modification for the changing resident situation – with gap closure without (1) and with a handrail (2) or fully adjustable side guards (3)



1**



2



3

Benefit from a homely design with a continuous side panel, independent of the required mobilization or resident protection situation:



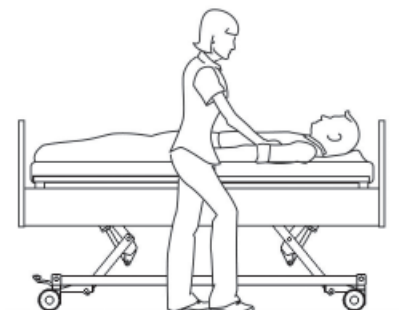
Safe nursing care, mobilization and sleep

3-stop strategy

- Comfortable adjustment range from 10" to 31.5"
- First automatic stop at 16 in at chair height for bed egress
- Collision protection when adjusting the bed from the low position and when using a bed extension

31.5 in

Optimal nursing position



16 in*

Safe mobilization at chair height



10 in*

Fall prevention during sleeping phases





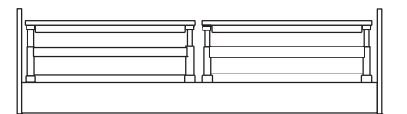
Flexible and time-saving

Three bed lengths that can be adjusted without tools

- All standard wissner-bosserhoff nursing home beds are equipped with an integrated bed extension.
- Adjusted flexibly and without tools to different bed lengths.
- The requirements of the standard IEC 60601-2-52 are complied with in each configuration.

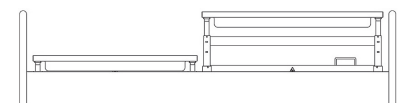
78.8 in

Bed length of 78.8 in:
The divided side guards offer protection without a central gap > 15.3 in* and without a protector



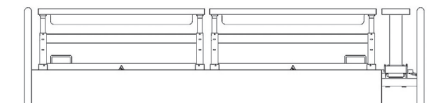
82.7 in

Alternative bed length of 82.7 in:
Protection with longer side guards at the foot end without accessories and without a gap > 12.5 in**



86.6 in

Bed extension to 86.6 in:
is temporarily adjustable with divided side guards for sentida - complete protection through foot-end protector (accessory) is guaranteed



Pressure injury prevention

Bed frame decks – ergonomics & modularity

The double retraction feature has been a component of the wissner-bosserhoff bed frame for years. Here, not only the backrest but also the leg rest is moved away from the seat section, so that the surface area is increased.

Results of pressure mapping clearly show that the pressure load with the double retraction is considerably lower than with a standard bed frame.

up to 23.9 %
 of all residents in U.S. skilled nursing facilities have had a **pressure injury**¹.

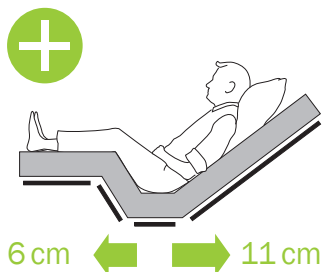
more than 2.5 M
 people in the United States develop **pressure ulcers**

¹Advancing Excellence in America's Nursing Homes (AEANH). Explore our goals... n.d. Available from <https://www.nhqualitycampaign.org/goals.aspx>

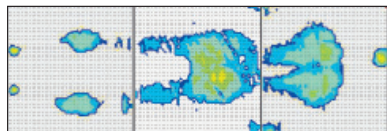
Source: Agency for Healthcare Research and Quality (AHRQ)

Our solutions

WIBO bed frame with notable relief

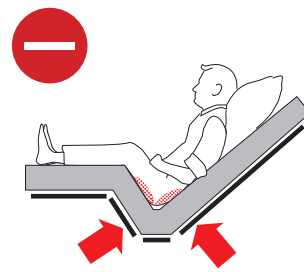


Double retraction = pressure injury prevention

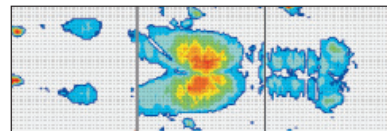


Thermal image of a BiNetic bed frame

Standard bed frame without relief

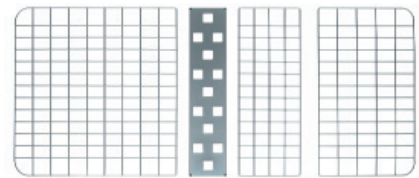


Single retraction = risk of pressure injury



Thermal image of a standard bed frame

Bed deck modularity
3 different surfaces



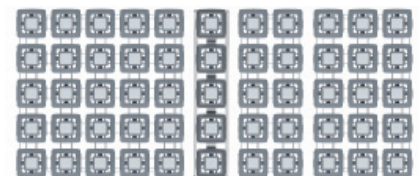
wire mesh bed deck Aero (Standard)

→ good aeration



Synthetic mats EasyClean

→ easy to clean



Comfort bed deck

with its 55 spring elements

→ bedding comfort and simple pressure relief

Double retraction =

6 in

more space in bed

Manual mobilization assistant

MobiStick 2

The MobiStick 2 enables clever bed operation for residents. Its ergonomic shape makes it easy and intuitive to use anywhere. Residents can effectively support and move themselves.



Without tools

MobiStick 2 can be attached without tools on both sides of the bed, is suitable for every resident size and can be retrofitted for wissner-bosserhoff beds from 2004 onwards.



Due to its ergonomic shape MobiStick 2 is easy and intuitive to use and universally applicable. The hand knob is rotatable and has a simple locking.

When not in use, it can simply be folded away and is therefore not in the way, but quickly ready for use when needed.

Learn more:





Advantages at night

- SafeControl® handset is activated by movement and displays all selectable functions
- Unnecessary lighting at night is avoided
- Respect for the night's rest of the residents



- Resident functions**
 - Backrest adjustment
 - Auto contour
 - Height adjustment
- Activity buttons**
 - Up / Down
 - LED status indicator
- Nursing care functions**
 - Comfort seat automatic
 - Automatic positioning



Clearly arranged. Ergonomic. Intuitive.

SafeControl® | Handset



In addition to its clarity and ergonomic design, the SafeControl® handset stands out due to its intuitive operation. Thanks to motion sensors and controlled backlighting, all selectable functions are displayed to the operator, ensuring easy operation. This ensures easy operation, especially at night.



3 safety levels

Key combinations can be used to different handset modes can be set:

Care mode:

All selection buttons are unlocked

Locking mode:

All functions of the handset are locked

Resident mode:

The light grey selection keys are available to the resident

Thanks to the integrated locking function an additional magnetic key is not needed.

Comfort & Safety

- Clear and ergonomic
- First error-proof thanks to preselection
- Intuitive operation
- Motion sensors
- Backlighting
- No additional key/accessories necessary
- Flexible use due to long cable

Energy efficiency and stability

Thanks to innovative drive concept

With the new motor, the sentida 5 and 6 bed frames are even more user-friendly, stable and energy-efficient. The integrated LED technology, energy-saving features and low-maintenance design are vital requirements for the cost-effective operation of post-acute care facilities.



Even more user-friendly

The new sentida 5|6 is equipped with an LED bedside light connection integrated in the motor. You only need one single cable from the bed to the power supply.

The LED light can also be switched on and off using the handset. You can now also watch video tutorials on how to operate the bed by scanning the QR code on the bed.



Video

Stable and safe

The new motor is especially powerful. It's performance is especially impressive under high load. It has a safe working load of up to 595 lbs. (Sentida 5|6). Safe working load includes mattress, resident, bedding and any/all accessories.



Economical and energy-efficient

With continuously increasing electricity prices, energy efficiency is an increasingly important factor. With an extremely low stand-by consumption of only 0.5 W, the new motor is especially economical. A clever cable management reduces wear and tear. The power cable can be exchanged separately, causing less storage costs.

The following calculation example demonstrates how the stand-by consumption of nursing home beds can influence the costs:



Product	Stand-by operation	Electricity costs over the course of 15 years*
The NEW Sentida	0.5 W	\$2,098
Bed A	3.76 W	\$16,511
Bed B	2.5 W	\$10,975
Bed C	1.7 W	\$7,424

*Example: Institution with 100 beds

LED lights

soluna & lymera

The undulating shape of the lampshade, with its partially translucent character, is prominent as a special design element of soluna lights. Equipped with a swivel arm, the light allows the light focus to be precisely positioned close to the object to be illuminated, regardless of whether the light is attached to the bed or the bedside cabinet.



Comfort LED reading light lymera

Advantages of LED

- Long service life
- Low energy consumption
- No heat build-up
- Safe operation



Design LED light soluna with wavy lampshade



Design | head / foot sections

Head section



Design A
Head-/Foot section

Foot section



Design Ak
Head-/Foot section

Low foot section



Design Ak
Folded down



Design G

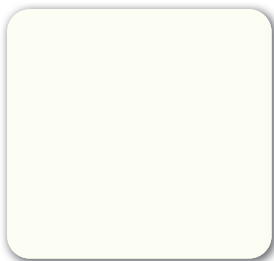


Design G



Design Gx

Colors | Wood décors



Crystal white (U11026)



Havana Cherry (R42006)



Okapi Walnut (R30135)

Certified security

Voluntarily, wissner-bosserhoff has its manufacturing processes and management regularly audited by TÜV Süd. The company is certified in accordance with ISO 9001 for quality management systems, DIN EN ISO 13485 for the manufacture of medical products and ISO 14001 for environmental management.



ISO 9001:2015



ISO 13485:2016



ISO 14001:2015



CB certificate
for product safety,
TÜV Süd



Expert opinion
on sideguards





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