

■ ■ wissner-
■ ■ bosserhoff

Functional elegance in nursing care



sentida

Low nursing beds





sentida – the low nursing bed

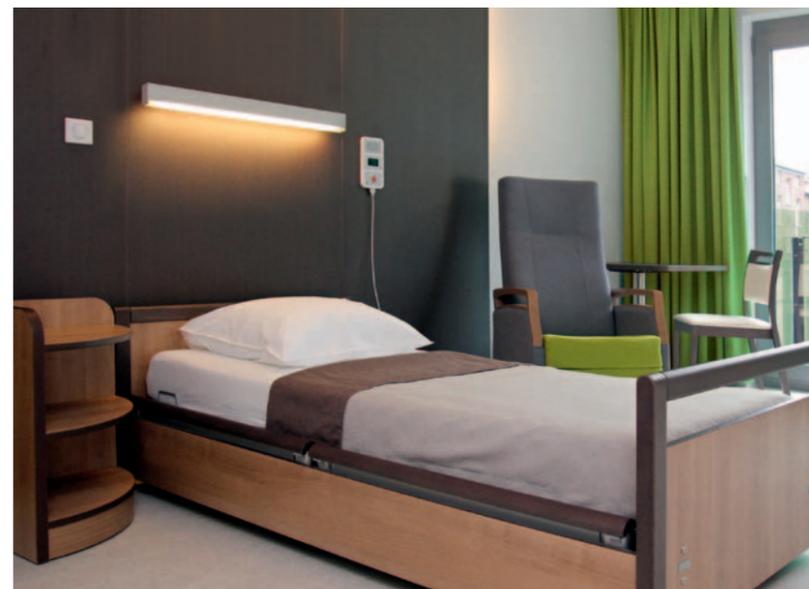
Safety. Comfort. Fall prevention.

The sentida low nursing bed reduces the risk of falls and their often serious consequences, thanks to its low surface height and sophisticated side guard concept. This notably increases safety at night, especially for active patients. The requirements of the current “fall prophylaxis” expert standard are completely complied with. Low nursing beds from the sentida series offer a wide range of technically advanced functions and elegant design. Patient safety is a top priority. The strain placed on nursing staff is considerably reduced.



Fall prevention, aesthetic design and optimized movability, make sentida low nursing beds a perfect solution for institutions with high standards of universal care close to the ground:

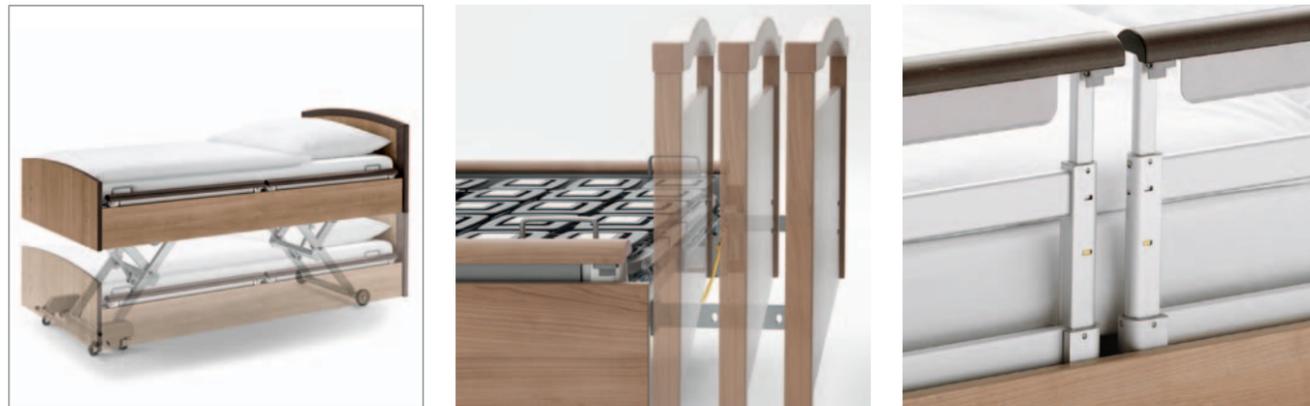
- Nursing homes,
- Care resorts, palliative wards,
- Dementia and geriatric wards,
- Rehabilitation institutions.



Our standards – for your benefit

Focus on the user

With its products and service portfolio, wissner-bosserhoff pursues the objective of sustainably enhancing customer benefits. The focus of product development includes functional benefits with technological innovations as well as the added aesthetic value derived from the choice of nursing bed design options. You benefit in several ways: The residents' independence is maintained, routine nursing tasks simplified, maintenance requirements reduced to the extent necessary and the economic efficiency of the operator is increased.



Your sentida advantages

Overview

- Fall prevention thanks to low position at 25 cm surface height
- Reduction of back strain in nursing care with maximum surface height of 80 cm
- Investment security:
 - Maximum resident weight up to 210 kg
 - Integrated bed extension
 - Minimum accessory requirements
- Individual mobilization with divided side guards
- Prevention of bedsores
- Time savings in nursing care

The sentida portfolio

The models at a glance

sentida 01

The low entry model



sentida 03

The mobile low positioning bed



sentida 04

The flexible low positioning bed



Movability

In low position in

In resident's room

At every bed height -
head end with 2 fixed castors
foot end with 4 double castors

In the resident's room and in corridors

At every bed height -
head end with 4 double castors
foot end with 4 double castors

In the resident's room and in corridors
Excellent movability even in limited spaces

Braking capacity

Electric braking with handset

Electric braking with handset
Foot end brake bar

Electric braking with handset
Head and foot end brake bar

The WIBO promise



Resident

- High level of safety
- Prolonged independence
- Effective fall and bedsores prevention



Nursing care

- Maximum time-savings
- Barrier-free access to the resident
- Reduction of back strain when working



Management

- Excellent cost/benefit ratio
- Maximum utilization thanks to high level of resident satisfaction
- Minimum follow-up costs



Maintenance / technology

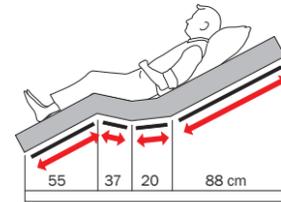
- Tailor-made service concepts
- Low maintenance costs
- Optimum spare parts availability

Patient surface with BiNetic frame

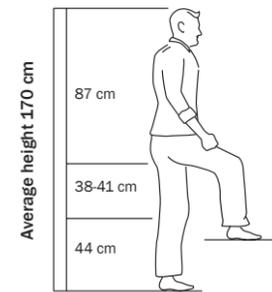
Patient surface concept for bedsore prevention

If persons are confined to bed, their care requirements change. Mobilization support becomes increasingly important to prevent bedsores. With the BiNetic frame sentida supports nursing staff in actively mobilizing the resident by means of a bed surface that effectively minimizes friction and shearing forces. The simultaneous retraction of the back rest and leg rest demonstrably

reduces friction and shearing forces. The ergonomic division and modular surface additionally contribute to the prevention of bedsores. For further reduction of pressure forces, the (optional) express bed extension can be used, which prevents the legs of tall residents from hitting the foot end of the bed when adjusting the backrest.



sentida patient surface 200 cm with BiNetic frame



Patient surface ergonomics

The dimensions of the 4-part surface of wissner-bosserhoff nursing home beds are based on findings from anthropometrics, i.e. on the average size and height of a person.

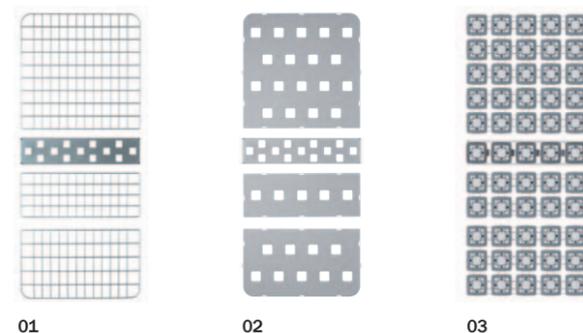
These findings demonstrate that the backrest needs to be at least 80 cm long to effectively support the cervical spine.*

Surface modularity

You can choose between 3 different surface options:

- The wire mesh patient surface Aero (01) ensures good aeration.
- The synthetic padding of the **Easyclean patient surface (02)** is especially easy to clean.
- The **comfort patient surface (03)** with its outstanding **soft positioning properties (a)** supports bedsore prevention. The edge zone elements with harder springs serve as an orientation when asleep, and facilitate getting up.

In general, the patient surface partitions can be easily removed and cleaned (b).



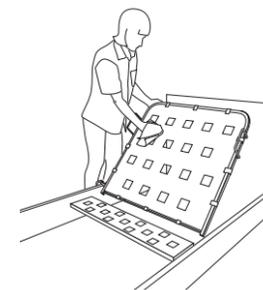
01

02

03



a



b

Effectiveness of double retraction confirmed

For years now, wissner-bosserhoff has been pursuing a practicable concept for reducing the risk of bedsores: The double retraction as a component of the BiNetic frame surface. In single retraction, raising the head end is not merely done by bending it like a hinged joint, but the head end section of the bed is also shifted away from the central section. This means that the bed sections are moved "away from each other" (see fig. 2b). On the one hand, this significantly reduces the pressure on the sacral region, on the other hand, the central section surface is enlarged. This is of benefit to the sitting resident, since the seating surface is enlarged, additionally reducing the pressure. In case of the double retraction, not only the head end section is moved, but the foot end section is additionally shifted away from the central section, increasing the seating surface even more. In the meantime, findings of pressure measurements clearly demonstrate that single retraction reduces the pressure level compared to a standard head section. In double retraction (fig. 3b), the pressure is even lower than with a single retraction.

Fig. 1

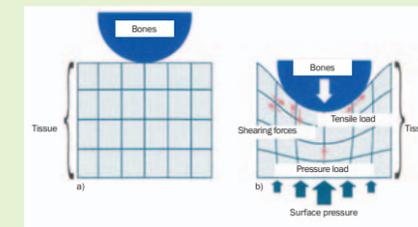


Fig. 2

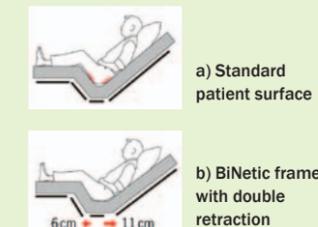
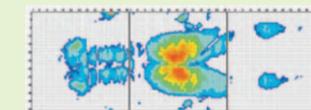
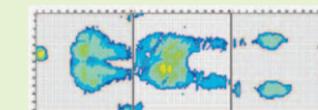


Fig. 3



a) Pressure measurement on standard patient surface



b) Pressure measurement BiNetic frame with double retraction

Of course, double retraction is not to be considered as the only means of bedsore prophylaxis, it can however effectively support existing options and above all demonstrates that we should make use of all technical means at hand to improve nursing care.

Source: Gerhard Schröder, wound care expert from Göttingen, respect magazine, edition 8/2011, page 16-17

Resident

- Reduces the pressure in the pelvic area as well as friction and shearing forces
- Ergonomic patient surface division for comfortable lying
- Excellent support of the head when adjusting the backrest

Nursing care

- More effective bedsore prevention
- The resident does not "slip down" the bed as much
- Less repositioning, more time for nursing tasks

Management

- Reduced bedsore risk and lower follow-up costs
- Time savings in nursing care thanks to express bed extension
- For residents up to 175 cm in height, there is no need for a patient surface extension that would take up space
- Reduced need of stocking up patient surface extensions

Maintenance / technology

- Quicker access to the motor
- Easy-to-clean surface

* cf. Eigler, F.W.: Arzt und Krankenhaus (doctor and hospital) 7, 1989

3 bed lengths

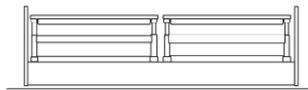
without central gap > 318 mm and without middle post

All wissner-bosserhoff nursing home beds are equipped with an integrated bed extension. With the **express** bed extension (fig. below/option), the sentida with divided **side guards** can be flexibly adjusted to different bed lengths. The requirements of the new standard IEC 60601-2-52 are complied with in each configuration.



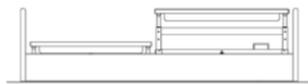
200 cm

Bed length of 200 cm: The divided side guards provide protection without a central gap > 318 mm* and without protector.



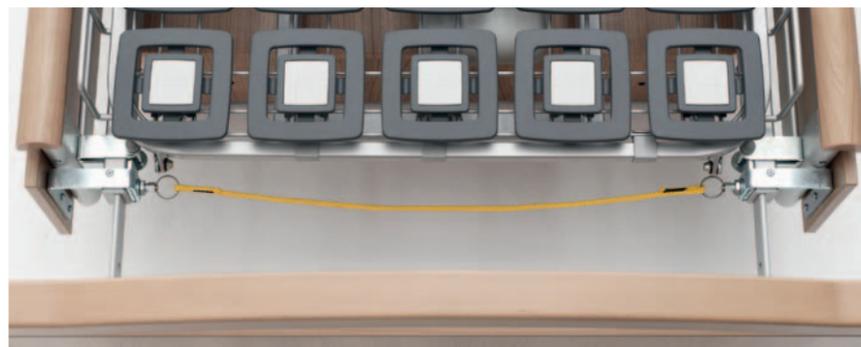
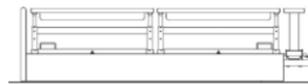
210 cm

Bed length of 210 cm: Protection with longer foot end side guards, without accessories and without gap > 318 mm**.



220 cm

Bed extension to 220 cm: Can be temporarily adjusted if needed – comprehensive protection ensured by foot end protector (accessory).



* Central gap (distance between the divided side guards) < 60 mm
 ** Gaps between the divided side guards and between the side guards at the head and foot end < 60 mm

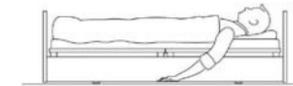
3 stop strategy

for intelligent verticalization (IVS)

The IVS intelligent verticalization system not only features a height adjustability range of 25 to 80 cm, its intelligent control system also prevents collisions when adjusting the bed to the comfort seating position. This becomes an indispensable advantage, especially when combined with the bed extension to 2.20 m.

25 cm

for fall prevention and safe positioning at night.



40 cm

for ergonomic bed egress at chair height.



80 cm

for comfortable and back-saving nursing care.



IVS – intelligent verticalization system

- Comfortable adjustment range from 25 to 80 cm
- Automatic stop at 40 cm (chair height) for bed egress
- Collision protection when adjusting the bed from low position to comfort seating position and when using a bed extension



Resident

- The highest possible safety standards for side guards; for all bed lengths
- Individual and quick bed length adjustment
- Risk reducing low positioning at night
- Independent mobilization thanks to automatic stop at chair height (40 cm)



Nursing care

- Quick adjustment to different resident heights
- Working safely and efficiently
- Reduced risk when falling (FDM)
- Residents can mobilize themselves from the bed
- Back-saving nursing height of 80 cm



Management

- Low follow-up costs thanks to IVS and back-saving working conditions
- Low accessory costs for bed extension
- Bed extension tested and certified in accordance with IEC 60601-2-52



Maintenance / technology

- Quick conversion of the bed for tall residents
- Fewer replacement parts needed for bed extension

4 aces for nursing care

4 side guards with 4-stage adjustment

1

In lowered position, the divided side guards enable unhindered access to the resident for daily nursing tasks, changing wound dressings or bed sheets and linen. No need to take off and store interfering accessories like a middle post or fixed side guards.

4 modes of protection

No protection needed



2

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 "soft protection" avoids unnecessary barriers and sustainably reduces the risk of falls. The side guards provide the resident with orientation without restricting him/her.

Soft protection
without FDM



3

The 3/4 protection deliberately leaves a bed egress gap at the foot end ensuring the reduction of freedom-depriving measures (FDM), while at the same time maintaining a high safety standard. By adjusting the bed and side guard height, sentida can be adapted to residents of every size and height.

3/4 protection
without FDM



4

The third height level is used to comprehensively secure the resident in bed. In the top position, the two parts of the side guard close together so tightly that they are just as safe as a continuous side guard. Stocking up on accessories for closing a central gap when using an abdominal belt for restraining the patient is not necessary.

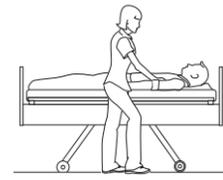
Full protection
for mattress heights from 12 to 18 cm



4 advantages

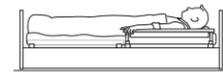
Free of barriers

No middle post and central gap protector



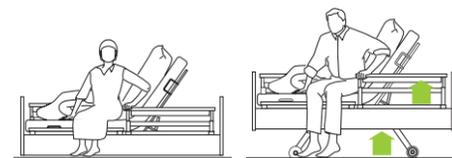
Orientation

instead of freedom-depriving measures (FDM)



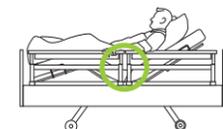
Mobilization

with adaptation to resident height



Safety

exceeding the requirements of the new standard IEC 60601-2-52



With 4 divided side guards

create all-round access for nursing tasks

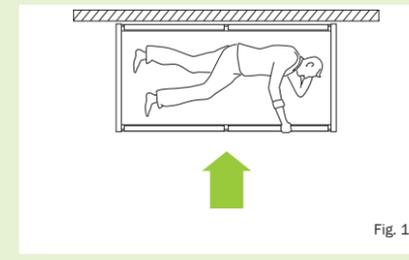


Fig. 1

Standard care –
access from one side needed

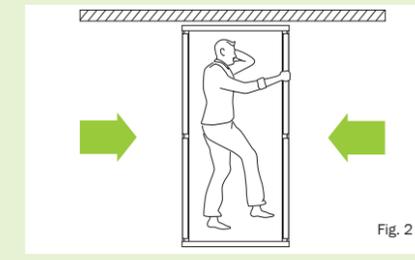


Fig. 2

Increased need for care –
access from both sides needed

Your advantages:

1. Flexible use of the bed for standard care, even in limited spaces (fig. 1)
2. Flexible access from both sides of the bed in case of increased need for care (fig. 2)
3. Flexible use of the bed for bed egress on the left or right side to mobilize the resident
4. Follow-up costs for upgrading the bed with divided side guards are avoided

More safety thanks to small central gap* < 60 mm

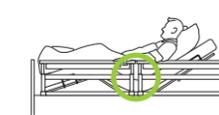
- Targeted compliance with the new standard IEC 60 601-2-52
- Safety in the working position, i.e. even with raised backrest or leg rest
- Safety without using an additional central gap protector as accessory for fixation with abdominal belt in accordance with the BfArM (German Federal Institute for Drugs and Medical Devices) recommendations**



CB certificate on IEC 60601-2-52 from TÜV Hannover certification office



Certificate for the central gap, issued by BerlinCERT



Compliance with IEC 60601-2-52 due to central gap < 60 mm in the working position, without central gap protector as an accessory

* Central gap = distance between the divided side guards

** Information for specialists from the German Federal Institute for Drugs and Medical Devices dated 07/08/2004 (Reference No. 913/0704)



Resident

- Protection in every position
- Independent mobilization from the bed
- As much safety as possible, as much protection as needed



Nursing care

- Independent resident mobilization
- Suitable for all methods of positioning
- Legal security without having to comply with additional requirements
- Efficient use of restraining belts



Management

- Economic side guard solution – no additional costs for central gap protectors
- Certification acc. to new standard IEC 60601-2-52 creates investment security
- Cozy appearance, "like at home"



Maintenance / technology

- Smooth-operating, low-maintenance side guards
- No stocking up on accessories like central gap protectors or middle posts

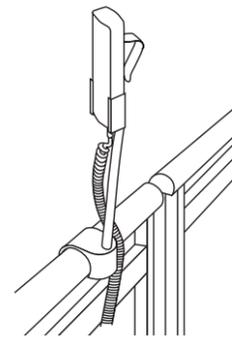
Intelligent handset concept

with time-saving automatic functionality

The handset of sentida nursing home beds impresses at first glance, thanks to its clear structure and ergonomic design: fewer buttons and large symbols facilitate intuitive operation.

The pre-selection function makes the handset initial fault tolerant – triggering a function by accidentally pressing a key is not possible.

The handset is easy to reach for both the resident and staff at all times (accessory, model No. 10-0419 and 10-0421).

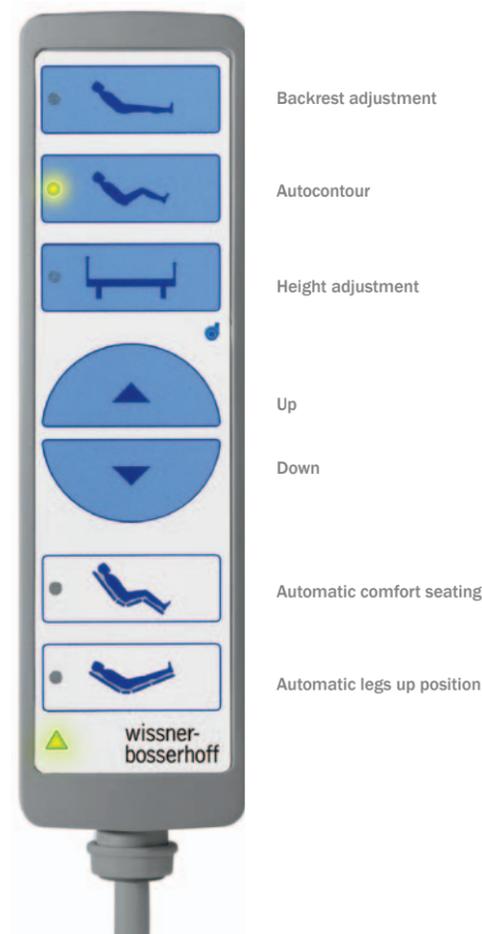


Integrated into the handset rear side is the lock function, eliminating the need to search for a control box at the patient surface panel or to bend down.

With a magnet free key, the three handset modes can be chosen, adapting the adjustment options of the bed to fit the nursing care task: In **Lock mode** all functions of the handset are locked.

In **Resident mode** the upper three buttons are available to the resident.

In **Care mode** all buttons are unlocked.



The automatic positions of the sentida, adjustable at the push of a button, increase comfort when lying and support bedsores prevention, for the benefit of the resident while reducing the strain on nursing staff.

Automatic comfort seating

The automatic comfort seating moves the bed to the preset sitting position: convenient for watching television or reading, eating or communicating at eye level. Mobilization using the lifter is effectively supported in this position. In addition this position makes breathing easier, as well as digestion, and, for patients confined to bed, trains spatial orientation and stimulates circulation. The double retraction in addition provides a relief of pressure in the sacral area.



Automatic prophylaxis

Supports decongestion with venous diseases and at the same time promotes bedsores prevention. Through the Fowler-30° position with lifting of the knees, there is less of bedsores*. This is achieved with a slightly lowered head position combined with lifting the calves to relieve strain on the heels and joints (e.g. with a cushion placed under the calves).



Resident

- User-friendly concept with clearly arranged symbols
- Initial fault tolerance in accordance with the new standard IEC 60601-2-52, with special resident mode
- Pre-selection function to avoid accidental adjustments
- Comfort seating adjustable without leaving bed

Nursing care

- Handset functionality can be individually set depending on the respective care situation (3 modes)
- Preset automatic functions save time
- No extra costs for additional control box

Management

- Initial fault tolerance is not optional but standard
- Handset and control box in one – no need for a separate control box

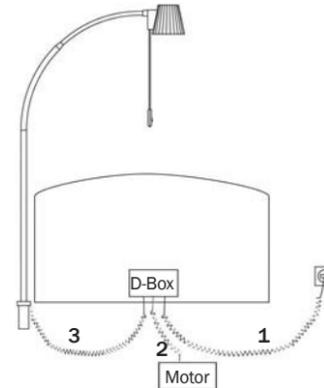
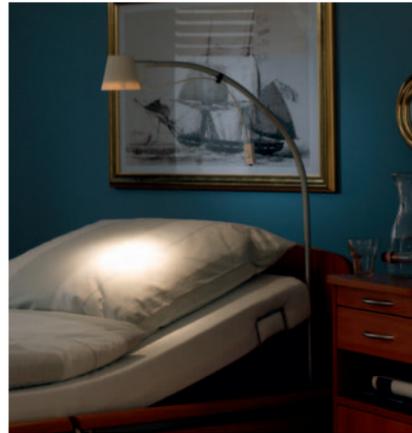
Maintenance / technology

- High-quality EPR cable protects from wire breakage and prevents unnecessary maintenance operations
- No subsequent installation of a control box necessary in case of a change in resident situation

Effective cable management

D-Box provides energy for bed and reading light

With the convenient D-Box, the tangling of cables is a thing of the past. Attached at the inside of the head section, the D-Box collects both the cables of the bed and light. This way, only one cable leads to the power socket.



3 cables – one solution – several advantages

- You only have to pull out one single cable to be able to move the bed.
- No risk of mixing up cables when unplugging.
- Independent from the motor, therefore good access to the connectors in every bed position.
- For halogen and LED lights.

Halogen
and LED
technology

Mobile solution for the bedside light

Alternatively, you can also adapt the light on the bedside cabinet, making it independent of the nursing home bed, which can then be freely moved. Thanks to the movability of the bedside cabinet, the light can be optimally positioned for reading. Another case in which the D-Box provides a solution for a good overview and high user comfort.



Safety and customer benefits

wissner-bosserhoff voluntarily has its production processes and management regularly audited by the TÜV. The company is certified in accordance with the regulations of the standard DIN EN ISO 9001:2008 for quality management systems as well as DIN EN ISO 13485:2003+AC:2007 for the manufacture of medical devices.

Each nursing home bed is manufactured in accordance with the high standards of the German Law on Medical Devices (MPG) and carries the CE mark in accordance with the EU directive 93/42 EEC. Nursing home beds are certified and produced in accordance with the standard IEC 60601-2-52:2010-12. The recommendations of the BfArM (German Federal Institute for Drugs and Medical Devices), which exceed those requirements, are also incorporated into product development.

We place great value on your safety and long-term satisfaction in our products and services for this reason, we gladly assist you from planning to the end of our nursing home beds' product life and offer a matching service package for all phases.





memoriana –

sentida in the dementia adapted room concept

For more detailed information on the dementia room concept, have a look at the separate memoriana brochure or contact us by E-mail: demenzkonzept@wi-bo.de



100

different possible causes

There are up to 100 different possible causes of dementia.

As complex as the causes and triggers is the course of the illness, which may differ from resident to resident.

Source: : www.bmg.bund.de
State Ministry for Health

Adequately taking care of people with dementia is a particular challenge for nursing staff and relatives. In cooperation with dementia experts from Great Britain and Germany, wissner-bosserhoff has developed a room concept especially for dementia patients. Specifically adapted to the needs of the patient, the new concept offers a considerable reduction in the strain on those providing care. The focus of the development includes three targets for the care of residents with dementia:

1. Improving orientation

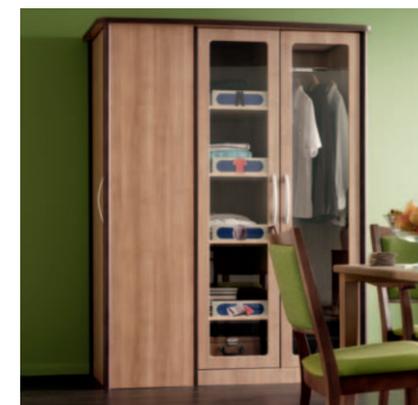
The resident is offered reference points for orientation in time and space, as well as colored orientation aids. The elaborate integration of colors, shapes and objects helps in the spatial perception - anxieties and frustrations are reduced.

2. Increasing independence

The more independent the resident can move in his surroundings, the less strain on the nursing staff. Functional furnishing elements like handrails and open storage areas promote the dementia patients' mobility and independence. Other areas of the room are however only accessible to those providing care.

3. Maximize safety

Resident safety is of utmost importance. Low nursing beds with side guards, handrails on furniture and walls as well as visual orientation aids provide the person diagnosed with dementia a maximum level of safety without feeling restrained.



Design

Head and foot sections



Design A, head / foot section



Design Ak, head / foot section



Design Ak, folded down



Design D, head section



Design D, foot section



Design D, low foot section



Design G, head section



Design G, foot section



Design G, low foot section



Design K, head section



Design K, foot section



Design K, low foot section



Design S, head section



Design S, foot section



Design S, low foot section



Design T, head section



Design T, foot section



Design T, low foot section



Design W, head section



Design W, foot section



Design W, low foot section

Colors | décors*



A03 maple R 5184



B00 natural beech R 5320



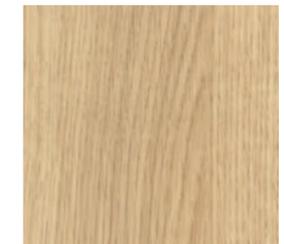
B01 beech, tinted R 5313



E04 alder, golden red R 4601



K02 cherry R 5360



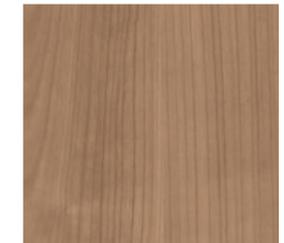
Lindberg oak R 4223



N05 walnut R 4801



R 5447 Cacao



R 5681 Havana cherry

* Some décors available at extra charge

Color combination memoriana

(also refer to pages 22 and 23.)

Combination option 1



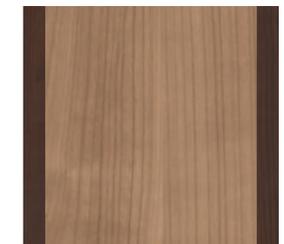
Corpus B00 natural beech R 5320
Lining B01 tinted beech R 5313

Combination option 2



Corpus A03 maple R 5184
Lining R 5681 Havana cherry

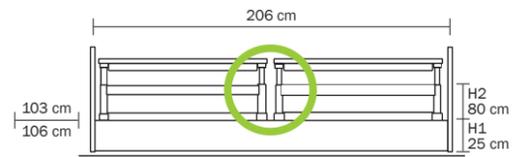
Combination option 3



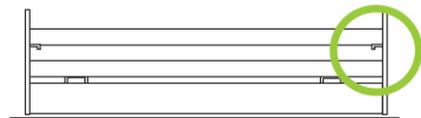
Corpus R 5681 Havana cherry
Lining R 5447 cacao

Furnishings and accessories

Dimensions

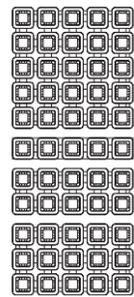


sentida with divided (10) side guards, seamless
L 206 cm, W 103 cm (T, G), 106 cm (S, K)
H1 25 cm (bed in low position)
H2 80 cm (bed in highest position)

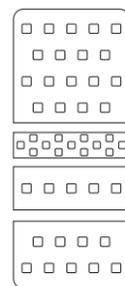


sentida with continuous 2-part
(09) side guard with trigger release

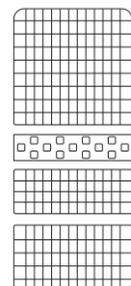
Patient surfaces



Comfort

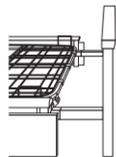


EasyClean



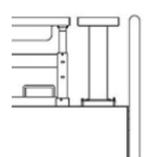
Standard | Aero

Standard

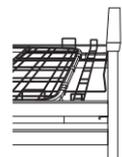


Temporary
bed extension
10 side guard

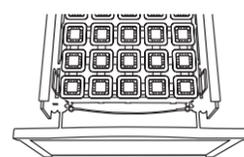
Options



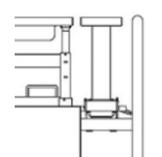
Bed extension
10 side guard



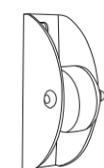
Bed extension
09 side guard



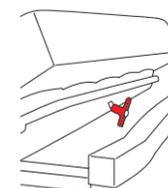
Bed extension
with express release



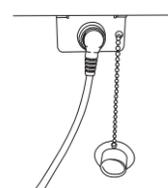
10-0570 / 10-0580
protector for bed
extension by 20 cm



Vertical wall
stopper castors

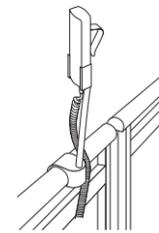


CPR release at
the backrest

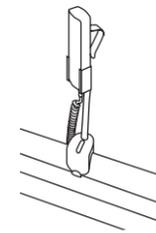


Plug & Play
for using the handset on one
side or both sides of the bed

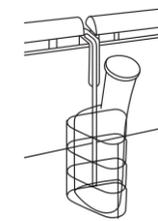
Accessories



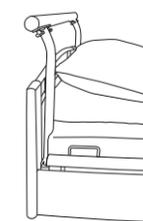
10-0419
handset holder
for divided side
guards
10-0421
handset
holder, short



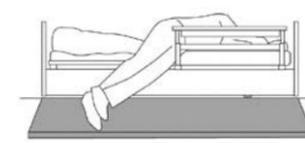
10-0422
accessories and
handset holder
for continuous
side guards
10-0421
handset
holder, short



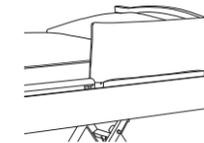
10-0424
accessories and handset
holder for attachment at
the side panel
50-0165 urine bottle basket
50-0164 urine bag holder
(not pictured)



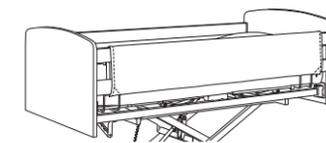
10-0534
transport handle
EasyMove



50-0206f
all matt
W 90 x L 200 cm, height approx. 4.5 cm



50-0174
padding for divided
10 side guards



50-0338
padding for 09 2-part
side guards

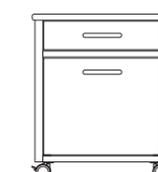


Design halogen-light soluna
50-0212 with 12 V transformer
50-0213 without 12 V transformer

50-0237
Design LED light soluna



10-0515
low bedside cabinet VT1T
W 47 cm, H 65 cm, D 50 cm



10-0528
low bedside cabinet vivo E2T
W 53 cm, H 62 cm, D 45 cm



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