

■ ■ wissner-
■ ■ bosserhoff

Functional elegance in nursing care



sentida 5 | 6

Universal low nursing beds





sentida – universal low nursing beds

No compromises: Safety and comfort in perfection

With sentida 5 and sentida 6, wissner-bosserhoff continues the success story of its low nursing beds. With uncompromising and consistent design, both models set innovative standards in terms of height adjustment, coziness, mobility and safety. Due to their unique 3-stop strategy and the patented SafeFree side guard concept, the nursing home beds from the sentida product range reduce the probability of falling out of bed and the consequences associated.

This notably increases safety at night, especially for active residents. Two alternative undercarriage variations are available depending on the application. Choose sentida 5 with cozy undercarriage or sentida 6 with complete mobility.



sentida 5 | The cozy one

- Cozy undercarriage design
- Completely covered 50 mm castors
- One pedal brake for each axle
- 2-castor central braking system



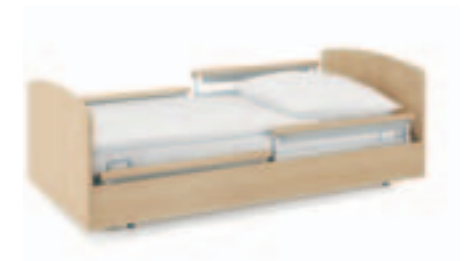
sentida 6 | The extra mobile one

- Full mobility
- 100, 125 or up to 150 mm easy-roll castors or 125 mm double castors or design castors
- Foot-end brake bar
- 4-castor central braking system

The sentida living idea



The selection of materials and colors follows current, natural living trends. This way, a cozy, warm atmosphere, in which the resident feels safe and protected, is created.



Low nursing bed sentida 5 in D10 design



Bedside cabinet vivo E2



Armchair belsedia comfort 609



Lindberg oak décor



sentida 5 | The cozy one



NEW!
Now also available with antimicrobial surfaces.

01

Patented SafeFree side guard concept

Often imitated but never duplicated - our contribution for less restraint in agreement with the Werdenfels care pathway** and the Redufix*** project

- Divided side guards, each adjustable in 4 different heights
- No middle post, no dangerous central gap

02

3-stop strategy*

for height adjustment

- Fall prevention during sleeping phases at 27 cm bed height
- Safe mobilization at chair height at 41 cm bed height
- Optimal nursing position at 80 cm bed height

03

BiNetic patient surface

with double retraction:

Real bedsore prevention - more than just a backrest in accordance with DBfK (German nurses association) recommendation.

- Its advantage: Reduction of pelvic compression as well as friction and shearing forces due to leg rest retraction by 6 cm
- DBfK backrest retraction by 11 cm

04

Design handset

Improved and extended functionality

- 3 safety levels adjustable: Nursing, resident and safety mode
- 2 automatic positions: Comfort seating and prevention automatic
- Mobilization function
- Night light control
- Separate leg rest adjustment
- Play protection

05

Night light function

Optionally, a night light can be integrated

- Helps the resident find their way at night
- More safety for the resident
- Simple power connection control
- Control via handset

06

Movability

- Cozy bed undercarriage
- Completely covered castors
- One pedal brake for each axle
- 2-castor central braking system

07

Technical data*

- Height adjustment range: 27-80 cm
- Safe working load: 225 kg
- Underbed clearance: 14 cm



sentida 6 The extra mobile one



sentida 6 differs from sentida 5 in terms of its undercarriage:

Movability

- Optional 100 mm Decora, 125/150 mm "Cover" design Easy-roll castors or 125 mm "LINEA" double castors (see image)
- Easy transport even outside the patient's room
- Central foot-end brake bar with integrated directional castor
- 4-castor central braking system

* The height information of the 3-stop strategy is valid for sentida 5 and sentida 6 with 100 mm castors.
** For more information, go to www.leitlinie-fem.de/werdenfels-weg/materialien/ *** www.redufix.de

BiNetic patient surface

with double retraction

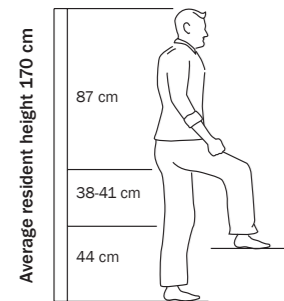
Patient surface ergonomics

The ergonomic division of the patient surface helps prevent pressure and therefore contributes to bedsore reduction. The dimensions of the 4-part patient surface of wissner-bosserhoff nursing home beds are based on findings from anthropometrics, i.e. on the average size and height of a person. On the basis of professor Eigler's findings, it can be seen that the backrest area should be at least 80 cm long in

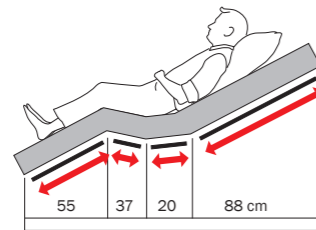
order to effectively support the cervical spine. An additional reduction of pressure can be reached with the BiNetic patient surface for patients with above-average height due to its integrated bed extension. The patient surface can be extended to 220 cm either temporarily and without tools using the express bed extension, or permanently with the bed extension set, preventing the legs from bumping on the foot end.



Detail comfort patient surface



Anthropometry according to Prof. Eigler *



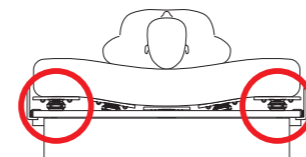
BiNetic patient surface 200 cm (long backrest)

Patient surface modularity

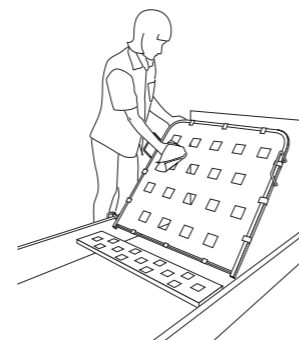
You can choose between 3 different patient surface options:

- The wire mesh patient surface **Aero (01)** ensures good aeration.
- The synthetic mats of the **Easyclean patient surface (02)** are especially easy to clean.
- The **comfort patient surface (03)** with its 55 spring elements not only promotes bedding comfort but also makes a valuable contribution to bedsore prevention (a).

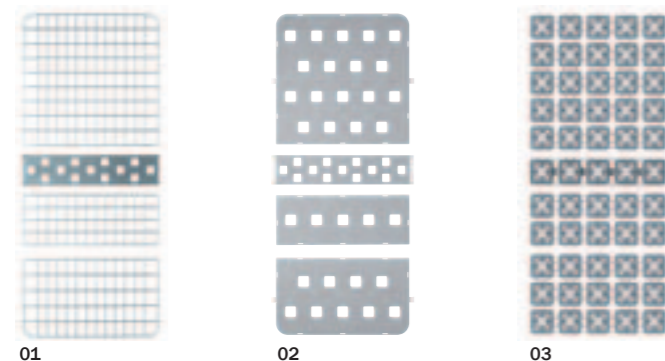
In general, the patient surface partitions can be easily removed and cleaned (b).



a



b



01

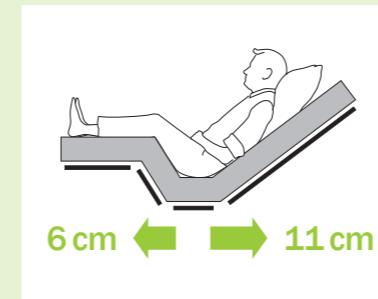
02

03

Effectiveness of double retraction confirmed

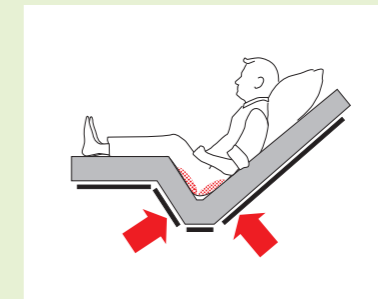
For years now, wissner-bosserhoff has been pursuing a practicable concept for reducing the risk of bedsores: The double retraction as a component of the BiNetic patient surface. With the double retraction, not only the backrest but also the leg rest is located further apart from the seat section, so that the surface is enlarged. In the meantime, there are results from pressure measurements which clearly show that there is less pressure with double retraction (image 3a) than with single retraction and significantly less pressure than with the standard patient surface (image 3b).

Double retraction



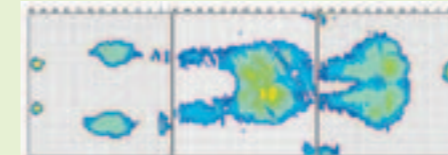
BiNetic patient surface with double retraction

No retraction



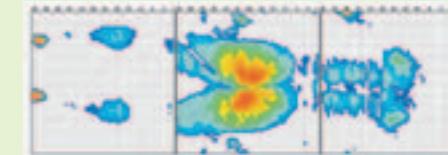
Standard patient surface

BiNetic patient surface



1) with BiNetic patient surface with double retraction

Standard patient surface



2) with standard patient surface

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

3 bed lengths

Without central gap > 318 mm and without middle post

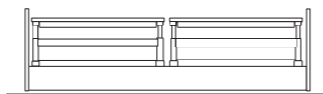
All standard wissner-bosserhoff nursing home beds are equipped with an integrated bed extension. With the **express bed extension** (see image below/option), sentida - with **divided side guards** - can be adjusted flexibly and without tools to different bed lengths. The requirements of the new standard IEC 60601-2-52 are complied with in each configuration.



Bed extension with express release (option)

200 cm

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



220 cm

Bed extension to 220 cm:
is temporarily adjustable with divided side guards for sentida - complete protection through foot-end protector (accessory) is guaranteed



210 cm

Alternative bed length of 210 cm:
Protection with longer side guards at the foot end without accessories and without a gap > 318 mm**



3-stop strategy

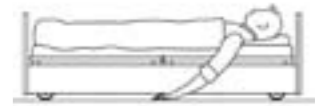
for intelligent verticalization (IVS)

The **IVS intelligent verticalization system** not only features a great **height adjustment range of 27 to 80 cm**, but due to its integrated control sensors also prevents collisions when setting the bed to the comfort seating position. This becomes an indispensable advantage, especially when combined with the bed extension to 220 cm.



27 cm

Fall prevention during sleeping phases



41 cm

Safe mobilization at chair height



80 cm

Optimal nursing position



IVS – intelligent verticalization system

- Comfortable adjustment range from 27 to 80 cm
- First automatic stop at 41 cm at chair height for bed egress
- Collision protection when adjusting the bed from the low position and when using a bed extension

SafeFree

The patented side guard concept for independence and mobilization

4 side guards

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-stage adjustment

No protection needed



4 advantages

Barrier-free

No middle post and no central gap protector



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 reduces the risk of falls sustainably. The side guards provide the resident with orientation without restriction.

Soft protection without FDM



Orientation

instead of freedom-depriving measures (FDM)



3

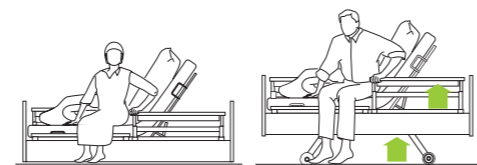
The 3/4 protection creates a deliberate bed egress gap at the foot end for the reduction of freedom-depriving measures (FDM), while at the same time maintaining a high safety standard. By adjusting the bed and side guard height, sentida can be adapted to residents of every size and height.

3/4 protection without FDM



Mobilization

with adaptation to resident height



4

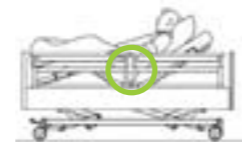
The third height level is used to comprehensively secure the resident in bed. In the top position, the two parts of the side guard close together so tightly that they are just as safe as a continuous side guard. Stocking up on accessories for closing a central gap when using an abdominal belt for restraint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

Full protection for mattress heights from 12 to 18 cm



Safety

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

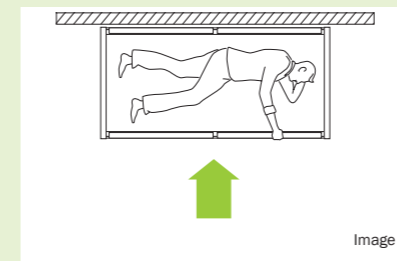


Mobilization

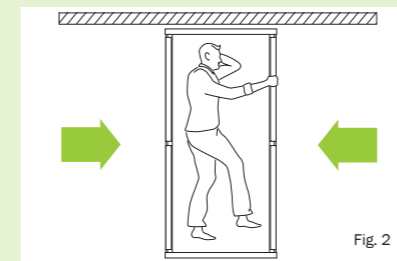
with the right support angle according to the resident's height



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



Standard nursing – access from one side is sufficient



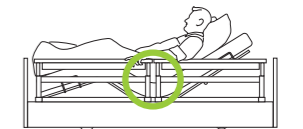
Increased need for care – access from both sides needed

Your advantages:

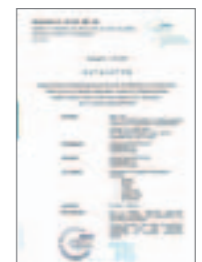
1. Flexible use of the bed for standard care, even in limited spaces (fig. 1)
2. Flexible access from both sides of the bed in case of increased need for care (fig. 2)
3. Flexible use of the bed for bed egress on the left or right side to mobilize the resident
4. Avoiding follow-up costs for upgrading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

More safety due to smaller central gap* < 60 mm

- Targeted compliance with the new 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)



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



Assessment of central gap issued by BerlinCERT



CB certificate for standard IEC 60601-2-52 issued by TÜV Hanover

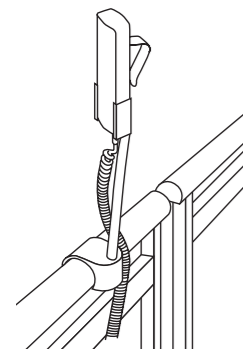
*Central gap = distance between the divided side guards **Information given by BfArM (German Federal Institute for Drugs and Medical Devices) for specialists, dated July 8, 2004 (number of reference 913/0704)

Intelligent design handset

with extended functionality

Already at first glance, the handset of the sentida nursing home beds impresses with its clarity and ergonomic form: fewer buttons and large symbols ensure that operation can be learned intuitively.

The pre-selection function makes the handset single fault safe - 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 handset holder, model No. 10-0419 and 10-0421)



Backrest adjustment

Auto contour

Height adjustment

Up

Down

Automatic comfort seating

Automatic bedsore prevention

NEW:

- Night light control
- Separate leg rest adjustment
- Mobilization function
- Play protection

3 safety levels

Integrated into the handset rear side is the locking 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 **locking 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.



2 automatic positions

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

Automatic comfort seating

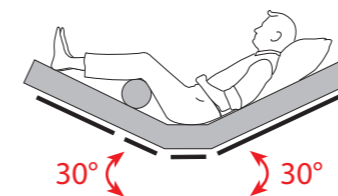
The automatic comfort seating brings the bed into a pre-selected seating position for watching TV and reading comfortably, for eating or communicating at eye level.

Mobilization using the lifter is effectively supported in this position. In addition, this position facilitates breathing and digestion. It trains spatial orientation and stimulates circulation for residents confined to bed. The double retraction provides additional relief of pressure in the sacral area.



Automatic prevention

Promotes decongestion with venous diseases and at the same time supports bedsore prevention. Through the 1/2 Fowler-30° position with lifting of the knees, there is less risk of bedsores.*

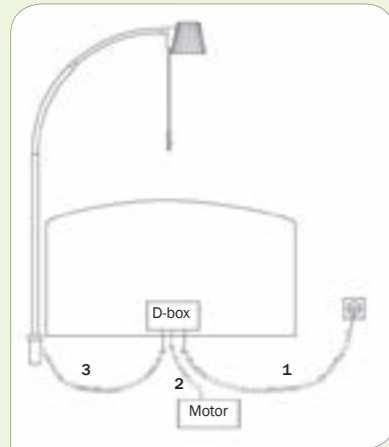


Effective cable management

D-box provides energy for bed and reading light

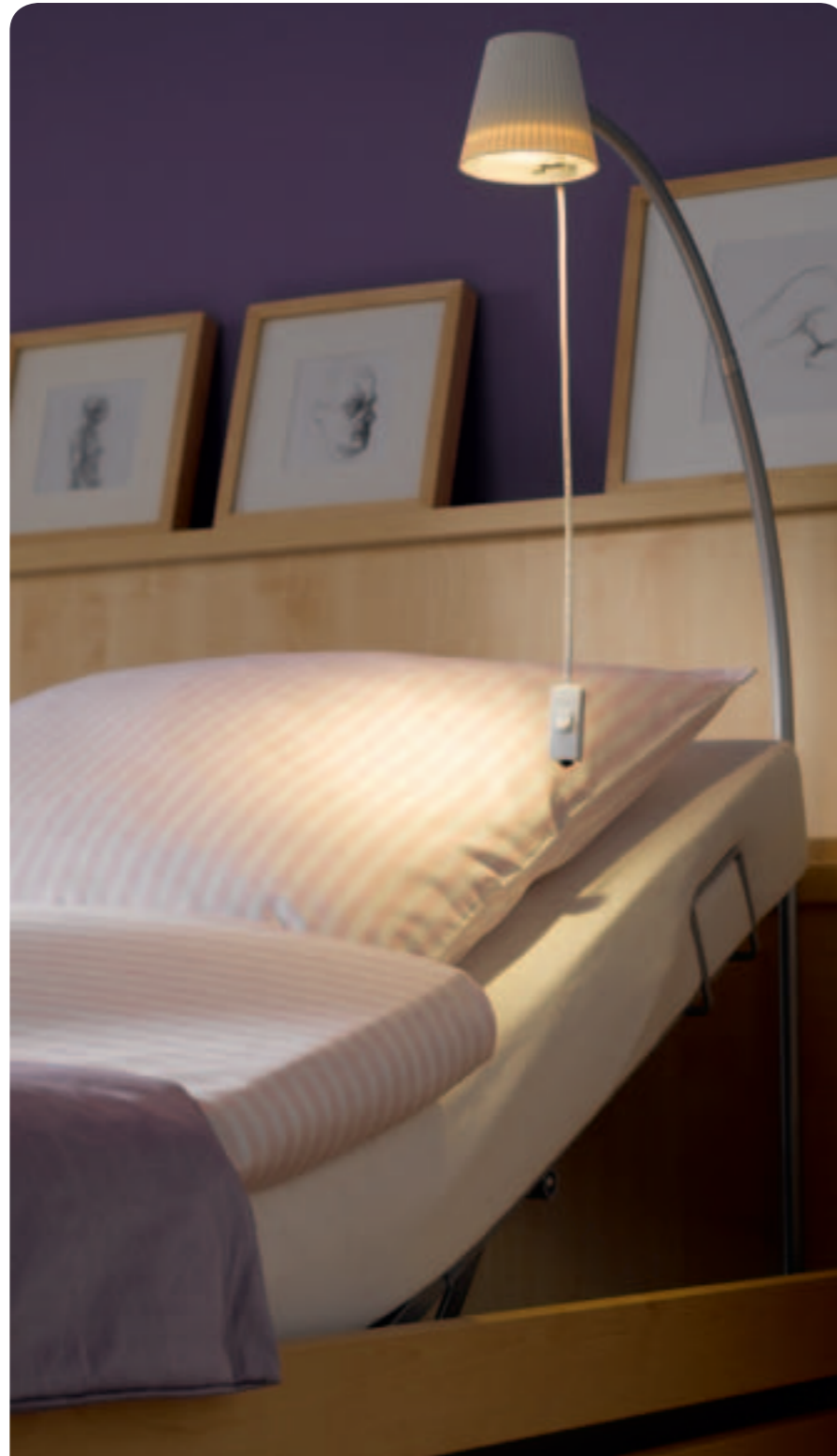
With the convenient D-box, tangled cables are a thing of the past. Attached at the inside of the head section, the D-box collects both the cables of the bed and light. This way, only one cable leads to the power socket.

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



Antimicrobial coating

Sterile surface in 180 minutes!*

Ever since the introduction of per-case payments in the German healthcare sector, elderly patients are often sent back to the nursing home directly after being treated in the hospital. It is no wonder then that nursing institutions increasingly have problems with MRSA and other germs.

For sentida 5 | 6, wissner-bosserhoff now optionally offers a sophisticated hygienic solution for this problem for the first time. The bed areas most commonly touched by residents and nursing staff in everyday care are treated with an antimicrobial coating. First tests and the implementation at satisfied customers have shown: The antimicrobial effect is not impaired by the use of commercially available disinfectants.

The ionic agent is highly effective against bacteria, viruses, fungi and algae. Ions harmless for humans are constantly created and attack the metabolic system of harmful microorganisms.

Studies about effectiveness of the antimicrobial additive in nursing home bed and bedside cabinet materials show that an average of 99.9 % of E. coli and micrococcus luteus bacteria as well as 98.4 % of staphylococcus aureus bacteria are eliminated within

180
minutes.

Source: Studies by SteriOne GmbH & Co. KG, Berlin



Your advantages at a glance

- The settlement and transmission of germs is reduced
- The number of infections in nursing homes is reduced
- Antibiotic resistance is reduced
- Reduction of disinfection costs by extending disinfection cycles
- The risk of damage by cleaning agents is reduced

Permanent germ accumulation and spreading on the most commonly touched nursing home bed and bedside cabinet surfaces are virtually ruled out.

The wibo formula

The antimicrobial coating is not only effective against bacteria but also against viruses (e.g. HIV, influenza etc.), fungi (e.g. black mold) and algae. It is therefore more efficient than regular wipe disinfections and retains its full effectiveness beyond the product life cycle.

*For us, sterile means that more than 95 % of the most common germs are eliminated.



memoriana –

sentida in the room concept for dementia patients

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:



Improving orientation

The resident is offered reference points for orientation in time and space, as well as colored orientation aids. The targeted integration of colors, forms and objects helps in terms of spatial orientation – worries and frustrations are reduced.



Increasing independence

The more independently the resident can move in his surroundings, the less strain on the nursing staff. Functional furnishing elements such as 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.



Maximizing 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.

100

different
causes

Dementia can have up to 100 different causes.

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

Source: www.bmg.bund.de
German Federal Ministry for Health



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



Design | head / foot sections



Colors | décors*



* Some décors available at extra charge

Color combination memoriana (also refer to pages 18 and 19)

Combination option 1



Corpus maple (5184)
Lining Havana cherry (R 5681)

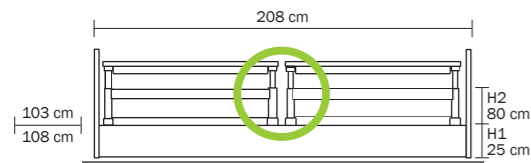
Combination option 2



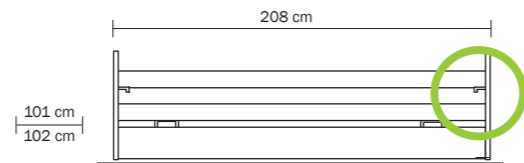
Corpus Havana cherry (R 5681)
Lining cacao (R 5447)

Furnishings and accessories

Dimensions

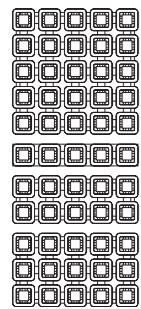


sentida with divided (10) side guards, without gap
Outer dimensions: L = 208 cm, W = 103/108 cm
Mattress dimensions: L = 200 cm, W = 87 cm
H1 25 cm (low position), H2 80 cm (highest position)

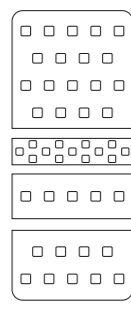


sentida with continuous 2-part
09 side guard with trigger release

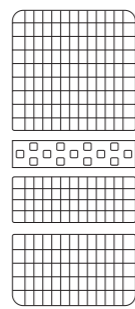
Patient surfaces



Comfort

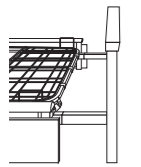


EasyClean

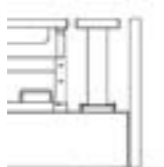


Standard | Aero

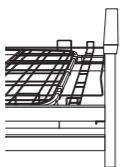
Bed extensions



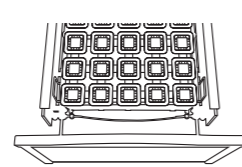
Temporary bed extension divided 10 side guard (standard)



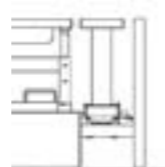
Permanent bed extension divided 10 side guard (optional)



Permanent bed extension 09 side guard (optional)

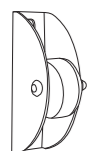


Bed extension with express release (optional)



10-0570 / 10-0580 Protector for bed extension by 20 cm (optional)

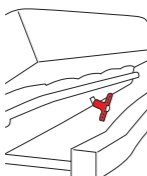
Options



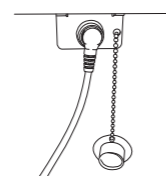
Vertical wall stopper castors



3D horizontal and vertical wall stopper castors



CPR release on the backrest



Plug & play use of the handset on one or both sides of the bed

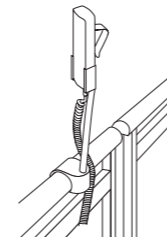


D-box with light connection for optimal cable management

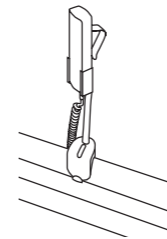


Underbed light (switchable)

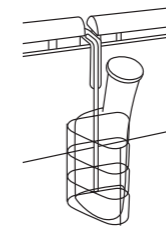
Accessories



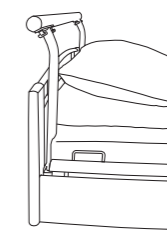
10-0419 Handset holder for divided side guards
10-0421 Handset holder, short



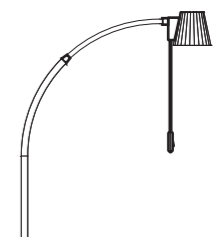
10-0422 Accessories and handset holder for continuous side guards
10-0421 Handset holder, short



10-0424 Accessories and handset holder for attachment to side panel
50-0165 urine bottle basket
50-0164 urine bag holder (no picture)



10-0534 Transport handle EasyMove



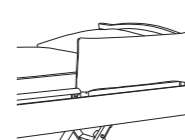
50-0212 Design halogen lamp soluna with 12 V transformer
50-0213 Design halogen lamp soluna without 12 V transformer
50-0237 Design LED lamp soluna



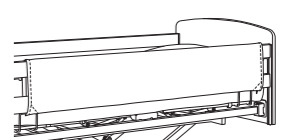
50-0206 Fall mat width 90 x length 200 cm, height approx. 4.5 cm



50-0548 Bed exit system, detector mat with nurse call connection



50-0174 Cushioning for divided 10 side guards



50-0338 Cushioning for 09 two-part side guards

Our certificates – your safety

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.



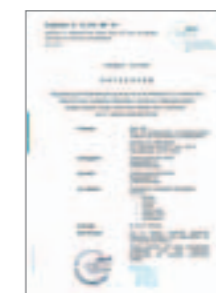
ISO 9001



ISO 13485



CB certificate



Certificate for side guards



Certification institutes





Functional elegance in nursing care

wissner-bosserhoff GmbH

Hauptstraße 4-6

D-58739 Wickede (Ruhr)

Phone: +49(0)2377/784-0

Fax: +49(0)2377/784-163

E-Mail: info@wi-bo.de

www.wi-bo.de