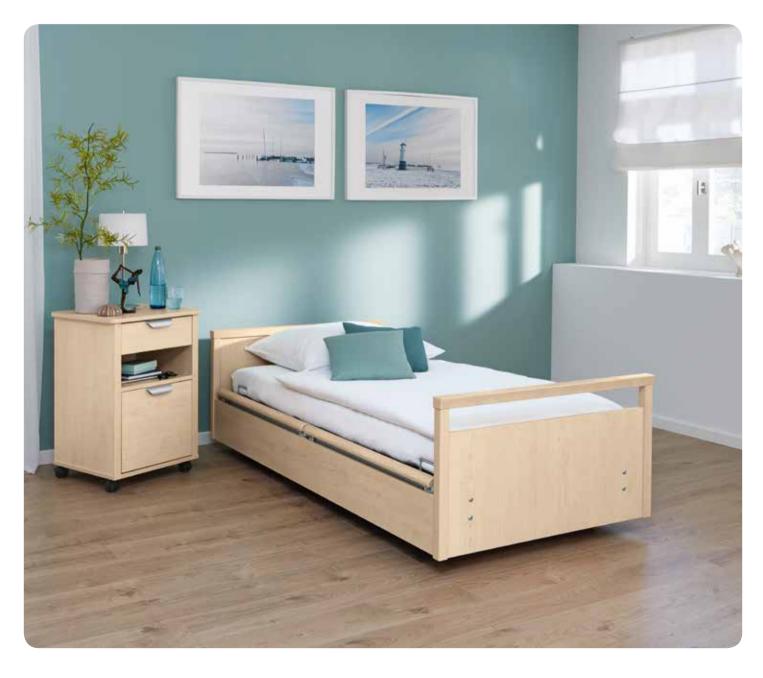


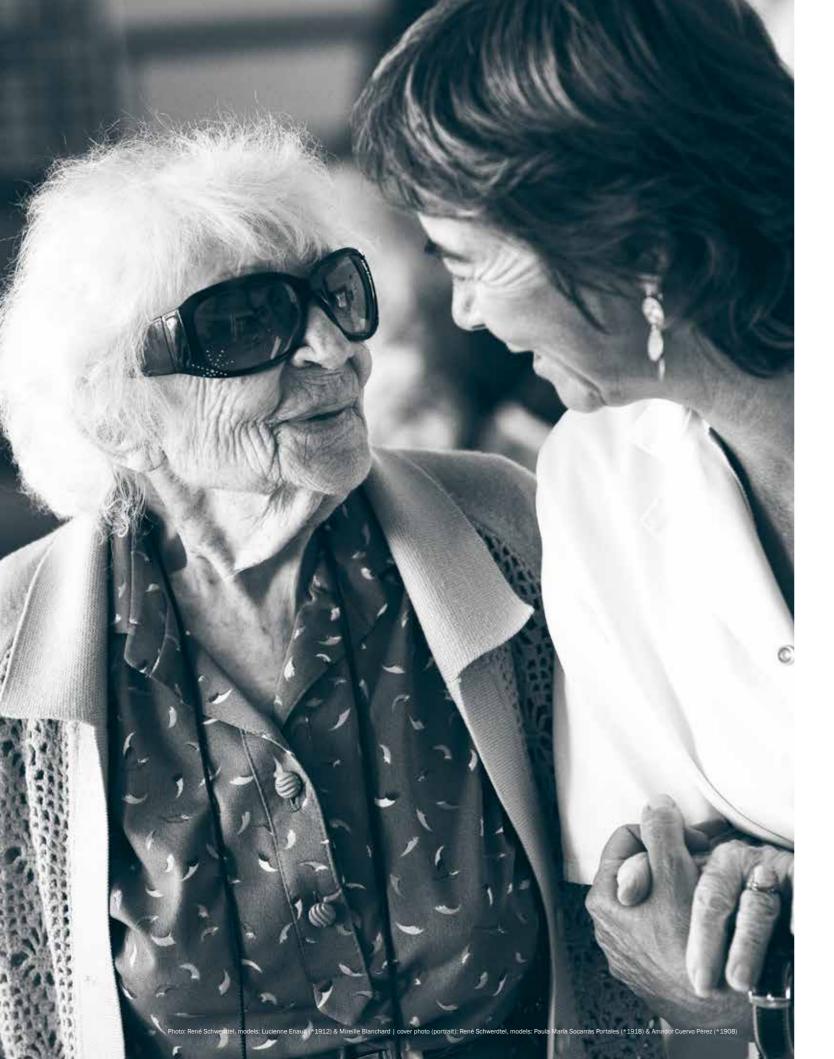
Functional elegance in nursing care



sentida

Universal low nursing beds





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: Maximum safety 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.

million falls of elderly people per year:

Almost one third of people aged 65 and above, as well as 50% of those aged 80 and above fall at least once a year. In Germany alone, there are about 5 million cases of elderly people falling each year.

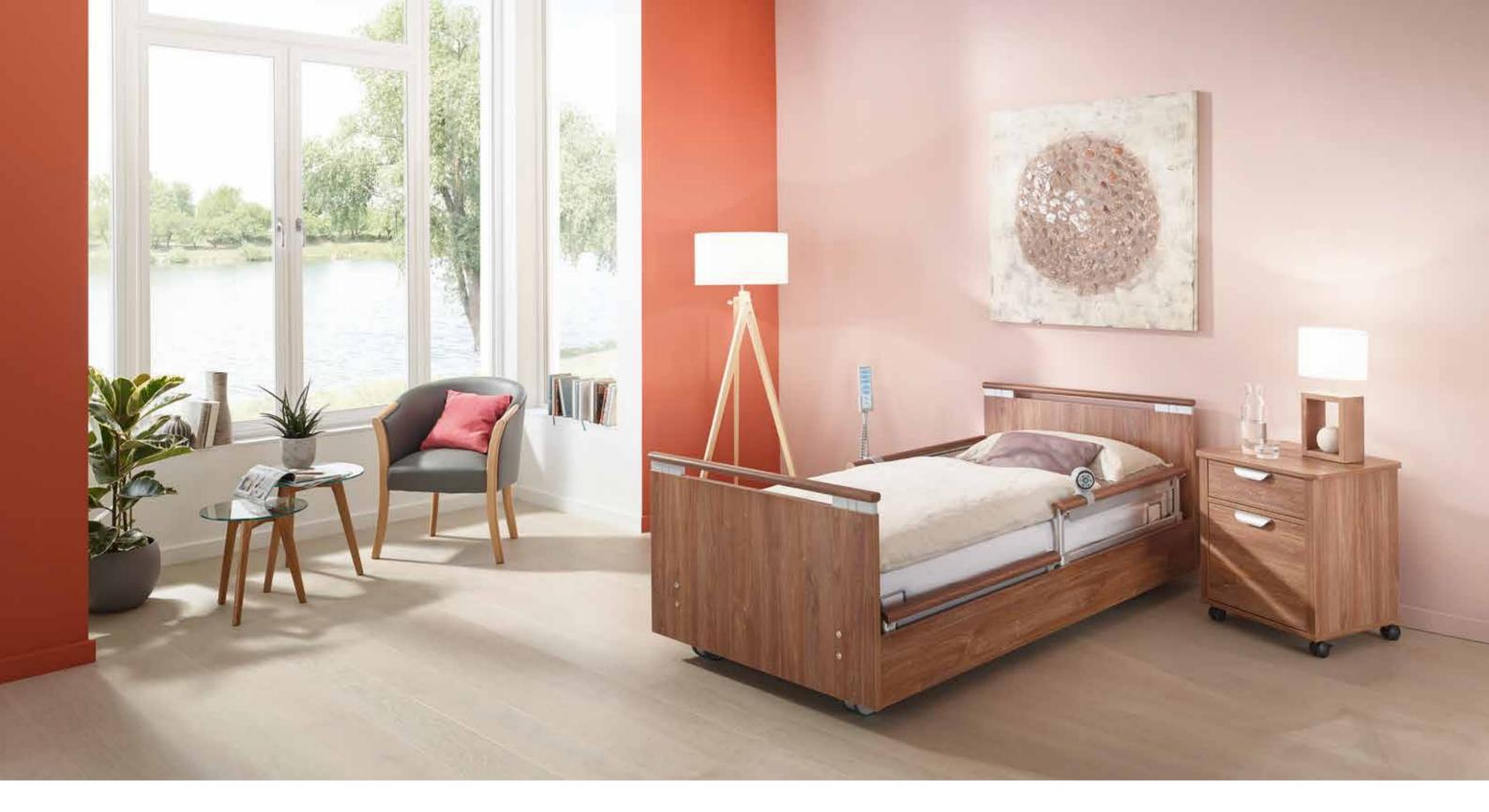
(Source: 'Gesundheit und Krankheit im Alter' (= health and illness in old age). Publisher: Karin Böhm, Federal Statistical Office of German / Clemens Tesch-Römer, German Centre of Gerontology / Thomas Ziese, Robert Koch Institute. Berlin 2009)



Prevention with sentida low nursing beds

or use in institutions with igh standards of universal care close to the ground: lursing homes and homes or the elderly, care resorts, balliative wards, dementia and geriatric wards and ehabilitation institutions.

wissner-bosserhoff | sentida



Living concept Feathers

sentida | Design 010

Nature as an example for the choice of materials and colors. As harmoniously coordinated as a bird's plumage – this is how a comfortably furnished room was created which provides residents with security and protection. From the window seat you can hear the morning birdsong. This concept is just a suggestion – we will happily give you individual advice.











sentida Portfolio

The entry model

The mobile one

Model sentida 1 sentida 3 sentida 6 sentida 4 sentida 5 Movability In low position At every bed height At every bed height At every bed height At every bed height Castors Two fixed castors at the foot end Four 50 or 75 mm castors Two 100 mm castors at the head end at the foot end double castors 50 or 75 mm double castors 50 mm double castors, completely covered 100, 125 or 150 mm easy-roll castors Two 100 or 160 mm castors by cozy undercarriage cladding or 125 mm double or design castors at the head end fixed castors Braking capacity Foot-end brake bar with 4-castor Electric brake with handset Electric braking with handset Head-end and foot-end brake bar One pedal brake for each axle foot-end brake bar with 2-castor central braking system central braking system Safe working load 225 kg 225 kg 225 kg Height adjustment 25-80 cm 25-80 cm 25-80 cm 27-80 cm 27-80 cm with 100 mm easy-roll castors 29,5-82,5 cm with 125 mm easy-roll castors 28-81 cm with 125 mm double or design castors 32-85 cm with 150 mm easy-roll castors Patient surface 87/100 x 200/210/220 cm (sentida 6 & 6-d*) 79 cm x 200 cm (sentida 6-s)

The flexible one

The cozy one

The extra mobile one

79 cm x 190 cm (sentida 6-xs)

6 wissner-bosserhoff | sentida wissner-bosserhoff | sentida



Benefits at a glance

Protection and mobility without FDM*	
SafeFree® – the patented side guard concept	12 - 1
NEW: Side guards – individual according to requirent SafeFree® FLex	nents 14 - 1
Safe nursing care, mobilization & sleep 3-stop strategy	16
Flexible & time-saving 3 bed lengths that can be adjusted without tools	17
Effective bedsore prevention Patient surfaces – ergonomics & modularity	18 - 1
NEW: Improving and maintaining mobility SafeLift Revolutionary bed operation for residents	20
Intuitive operation Clearly structured & ergonomic	21
Safety by day and night SafeSense® – the intelligent bed exit sensor system	22
The one easy to disassemble sentida 6-d	23
Energy efficiency & stability Thanks to innovative drive concept	26
Designer reading light soluna	27
We think ahead memoriana Room concept for dementia patients	28 - 2
Additional options Design I Colors and decors I Features and accessories	1 30

wissner-bosserhoff | sentida wissner-bosserhoff | sentida + Freedom-depriving measures



Living concept Ocean

sentida | Design Ts10

A color combination like a day on the beach gives a feeling of peace and harmony. Intuitively we close our eyes, listen to the waves, enjoy the fresh sea air and a vacation feeling of well-being quickly sets in. You feel at ease in a room like this. This concept is just a suggestion – we will happily give you individual advice.











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 600,000 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)**.

restricted.

No protection needed

Soft protection (no FDM*)

3/4 protection (no FDM*)



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.

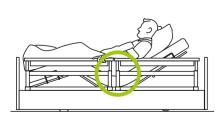


For safety at night, it is often sufficient to combine the low position of the bed with the first height level of the head-end side guard. This avoids unnecessary barriers and effectively reduces the risk of falls on the long term. The resident can orient himself without being



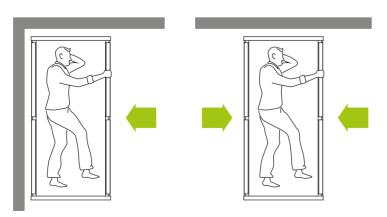
Creates a deliberate bed egress gap at the foot end to reduce freedom-depriving measures (FDM) while at the same time maintaining a high safety standard.

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

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:





Safe mobilization regardless of body size





2 Automatic positions



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



Bedsore prevention and keeping heels free with automatic positioning

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.

*Central gap = distance between the divided side guards

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.

O No protection needed



Comfort bed, without side guards

1 | 2
Soft protection (no FDM*)



Mobilization aid only the head end elements

3/4 protection (no FDM*)



Wall protection with foot-end exit

4

Full protection (FDM*) for mattresses up to 18 cm



4 fully adjustable 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



Free

Fewer FDM*



Conscious "omission" of side guards

Investment security for the operator Legal certainty regarding FDM for the nursing staff

Flex

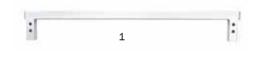
More economic efficiency

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)







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 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

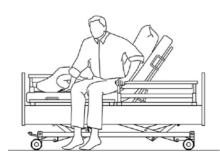
80 cm

Optimal nursing position



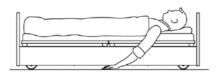
41 cm*

Safe mobilization at chair height



27 cm*

Fall prevention during sleeping phases



Flexible and time-saving

3 bed lengths that can be adjusted without tools

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

200 cm

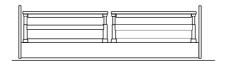
Bed length of 200 cm:
The divided side guards offer protection without a central gap > 318 mm* and without a protector

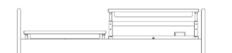
210 cm

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

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







Effective bedsore prevention

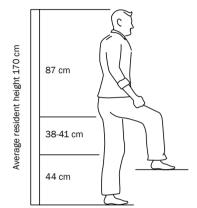
Patient surfaces - ergonomics & modularity

The ergonomic division of the patient surface helps prevent pressure and therefore contributes to pressure ulcer 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.

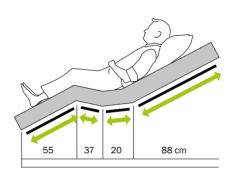
On the basis of professor Eigler's findings, it can be seen that the backrest area should be at least 80 cm long in order to effectively support the cervical spine.

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.



Anthropometry according to Prof. Eigler *



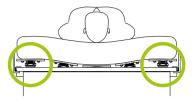
BiNetic patient surface 200 cm (long backrest)

Patient surface modularity

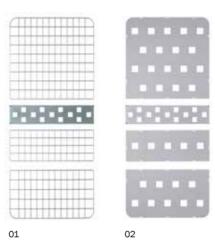
You can choose between 3 different patient surface options:

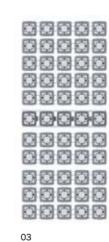
- 01 The wire mesh patient surface Aero ensures good aeration.
- 02 The synthetic mats of the Easyclean patient surface are especially easy to clean.
- 03 The comfort patient surface with its 55 spring elements not only promotes bedding comfort but also makes a valuable contribution to pressure ulcer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

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



Comfort patient surface with 55 spring elements







Detail comfort patient surface

Up to

million people

in Germany have chronic wounds such as bedsores. Not least due to the demographic change, elderly people suffer from chronic wounds particularly often. The risk for people over 90 is at more than 11 %. Pressure ulcers are very unpleasant and straining for residents. Therapies usually take several weeks

or months and may often cause further discomfort.

Effectiveness of double retraction confirmed**

For years now, wissner-bosserhoff has been pursuing a practicable concept for reducing the risk of pressure ulcers: 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

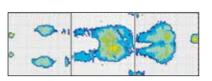
the surface is enlarged.

Today, results from pressure measurements (thermal imaging) clearly show that there is less pressure with double retraction than with single retraction and significantly less pressure than with the standard patient surface.

WIBO patient surface with notable relief



Double retraction = pressure ulcer prevention

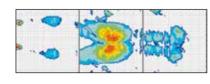


Thermal image of a BiNetic patient surface

Standard patient surface without relief

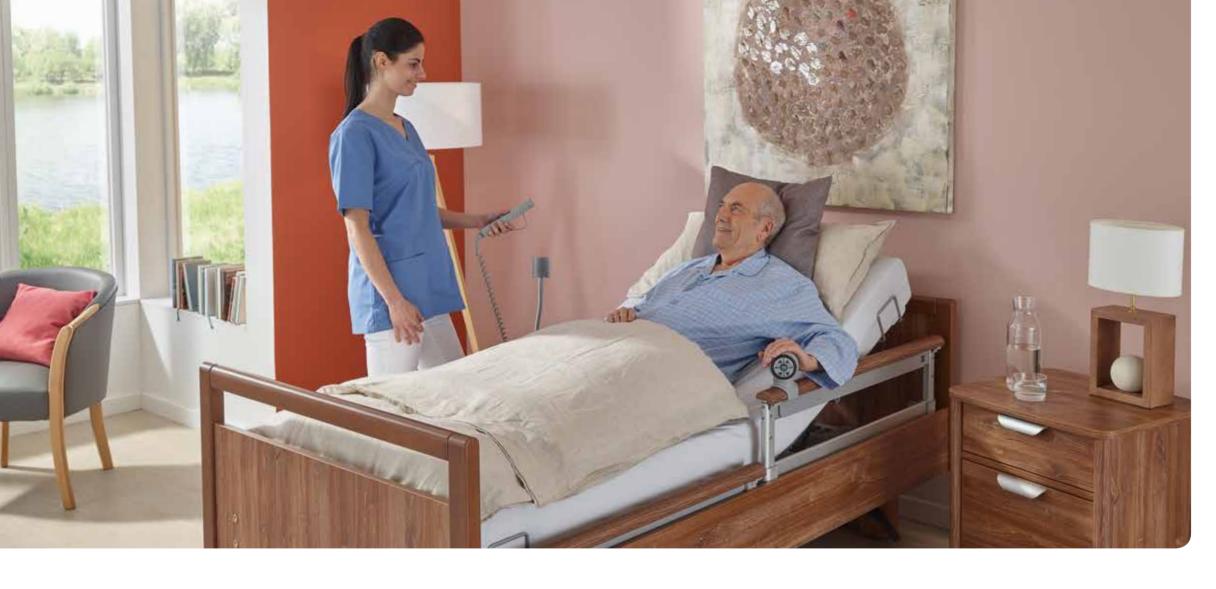


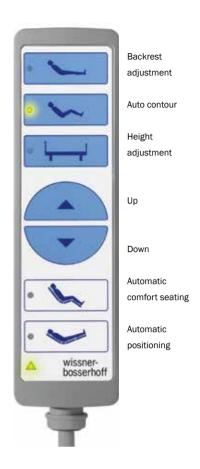
Single retraction = risk of pressure ulcer



Thermal image of a standard patient surface







Simple bed operation & safe mobilization

SafeLift | Product benefits at a glance





SafeLift offers the simplest operation so that residents can adjust their bed independently and set it to the best mobilization position for them. At the same time, they can support themselves when standing up on the SafeLift controller. This promotes residents' selfmobilization, reduces staff calls for bed adjustment and frees up care.

- · Adjustment buttons for bed height and backrest
- · Large buttons
- · Firm position on a SafeFree® side guard
- GO button
- 360° rotation
- · Ergonomic design
- · Strong stability



Intuitive operation

Clearly structured & ergonomic

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.





www.wi-bo.com/de/Ueberuns/Anleitungsvideos



The locking function is integrated into the back of the handset, meaning that you do not have to look for a control box at the patient surface panel or bend down.

Locking mode

The three handset modes can be selected with a non-magnetic key:

Care mode:

All selection buttons are unlocked.

Locking mode:

3 safety levels

All functions of the handset are locked.

21

Resident mode:

The resident can use the upper blue buttons.



Key for safety levels (magnet-free)

wissner-bosserhoff | sentida wissner-bosserhoff | sentida *Exceptions: carisma 300, sentida 1-p / 4-p, sentida 7-i

Safety by day and night



SafeSense® – the intelligent bed exit sensor system

Video

wissner-bosserhoff, your reliable partner for the reduction of freedom-depriving measures (FDM): With SafeSense®, wissner-bosserhoff presents an intelligent assistance sensor system, which reliably helps reducing freedom-depriving measures day and night. It is equipped with an automatic night light, which is activated when the resident leaves the bed and is deactivated when the resident is back in bed again. SafeSense® is compatible with standard nurse call systems and can be retrofitted to wissner-bosserhoff nursing home beds manufactured in 2002 or later.





Automatic night light

- Night light is automatically switched on when the resident leaves the bed
- Night light is switched off again as soon as the resident is back in bed

Individual alarm system

- Freely adjustable immediate alarm from 0 seconds to 30 minutes
- · Adaptation to the resident's mobility

Integrated or available as retrofit kit*

- Accessory option for current WIBO nursing home beds
- Retrofit kit for electrical WIBO nursing home beds manufactured in 2002 or later
- · Available with cable or wireless



More safety – less freedomdepriving measures (FDM)

- Faster response time in the

 overt of falls
- Greater safety during night and weekend shifts
- Fewer inspections
- Ideal in combination with sentidal low nursing beds and SafeFree® side guards

The one easy to disassemble

sentida 6-d

At first glance, the sentida 6-d cannot be distinguished from a standard sentida bed. The technical parameters of both beds also are identical. You can only see the difference once you take a closer look – the sentida 6-d can be completely disassembled and reassembled by one person – quickly and without tools. None of the individual components weighs more than 18 kg, complying with all occupational health and safety requirements.

The sentida 6-d is used in home care or nursing homes with narrow doors – without compromising design, quality or stability.





sentida 6-d dismantled No assembly weighs more than 18 kg.

2 *Available as accessory or retrofit kit, page 34 wissner-bosserhoff | sentida wissner-bosserhoff | sentida 23



Living concept Lilac

sentida | Design 010

Timeless and classic – this choice of colors and materials gives the room a special atmosphere.

The trend color of lilac is reminiscent of spring – everything is blossoming and fresh colors replace the winter gray.

This concept is just a suggestion – we will happily give you individual advice.



wissner-bosserhoff | sentida









Energy efficiency and stability

Thanks to innovative drive concept

With the new motor, the sentida 5 and 6 nursing home beds 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 a nursing home.



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 tutorial, also at: www.wi-bo.com/de/Ueberuns/Anleitungsvideos

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 270 kg (sentida 5 | 6) and is suitable for a maximum resident weight of up to 235/255 kg (depending on the accessories used).



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	€1,950
Bed A	3.76 W	€15,345
Bed B	2.5 W	€10,200
Bed C		€6,900
*Example: Institution with 100 beds		

Designer reading light

soluna

The elegant shape of the partially translucent lampshade stands out as a special design element of soluna lights. Equipped with a swivel arm, you can precisely direct the light towards the object to be illuminated and it blends in harmoniously with the nursing home beds' ergonomics. Benefits of using LEDs: a long life, low energy consumption, no heat and absolutely safe operation.





Advantages of LED

- Long service life
- Low energy consumption
- No heat build-up
- · Absolutely safe operation



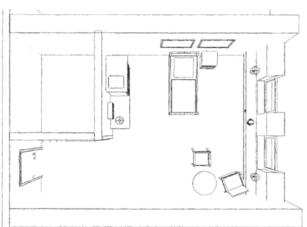
soluna with undulating lampshade

wissner-bosserhoff | sentida wissner-bosserhoff | sentida 27



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

Color combination memoriana



Corpus Lund Birch Lining Havana cherry



Corpus Havana cherry Lining cacao



Corpus Pinie Suomi Grey Lining Pinie Suomi Brown

We think ahead

memoriana | 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 storal areas promote the demential patients' mobiliand independence. Other areas of the room are, however, only accessible to those



Maximizing safety

Resident safety is of utmost importance.
Low nursing beds with side guards, handrails aff. Functional furnishing on furniture and walls as well as visual orientation aids provide the person diagnosed with dementia patients' mobility ce. Other areas of the room

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.



Colors | décors*









Cottage Pine (R55023)









Shirling Oak (R38006)







Cherry (R42002)

Pinie Suomi Grey (R55022)

Beech Natural (R24015)

Beech (R24034)

memoriana room concept**

Certified security

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 13485 ISO 14001:2015





for side guards



certificate





Synthetic leather & fabric covers

With our new covers made from high-quality materials by renowned partners we offer an excellent surface material with the following properties:

- Resistant to moisture and dirt
- Breathable
- · Water-repellent

- · Blood and urine resistant
- · Disinfectant resistant
- · Extremely hard-wearing
- Environmentally friendly and non-toxic
- Durable
- Flame retardant (in accordance with the ignitability criteria in accordance with DIN EN 1021 Part 1 + 2 and BS 5852 Crib 5*)

Synthetic leather











Cashmere









Fabrics



Green, floral (Aurora 6520)

Meadow (Mailo 6520)

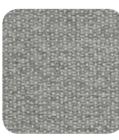
wissner-bosserhoff | sentida



Sea (Mailo 5520)



Sand (Mailo 1521)









wissner-bosserhoff | sentida

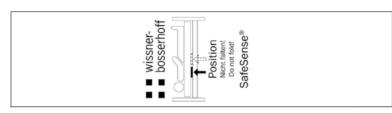
ISO 9001

Design | head / foot sections

Low foot section Head section Foot section Design Ak Design A Design Ak Head-/Foot section Head-/Foot section Folded down Design D Design D Design Dx Design Df Design Df Design Dfx Design G Design G Design Gx Design Kx Design K Design K Design O Design 0 Design Ox Design T Design T Design Tx Design Ts Design Ts Design Tsx

Accessories | SafeSense® & SafeLift

SafeSense® sensor mat 2.1



02-000876 SafeSense® sensor mat 2.1 80 x 20 cm

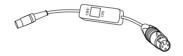


04-1851 Digital bed exit box 2 cable or wireless version

Also available as a set:

Sensor mat 2.1 & bed exit box 2 10-0871 Cable version 10-0872 Wireless version

SafeSense® connection kit



04-1508
Adapter cable with on/off switch and suitable plug for connection to the nurse call system (customer-specific) for the cable and wireless version



04-1608
Adapter cable <u>without</u> on/off switch; with suitable plug for connection to the nurse call system (customer-specific) for the cable and wireless version

SafeLift bed operation



10-0811 SafeLift Controller



10-0808 SafeLiftBox

As a set:

10-0799 SafeLift set

Retaining plate SafeSense® and SafeLift



01-011193 Retaining plate for DU09 motor

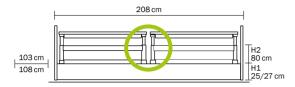


01-011194 Retaining plate for Q7 motor

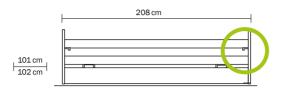
32 wissner-bosserhoff | sentida wissner-bosserhoff | sentida 33

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 25/27 cm (low position), H2 80 cm (highest position)



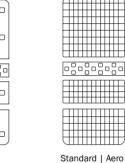
sentida with continuous 2-part 09 side guard with trigger release

Patient surfaces









Bed extensions



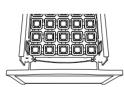
Temporary bed extension divided 10 side guard (standard)



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



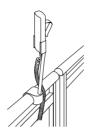
CPR release on the backrest



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

01-010812, 01-010813 Underbed light switchable (not shown)

Accessories

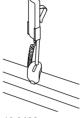


10-0419 Handset holder for divided side guards 10-0421 Handset holder, short

10-0534

EasyMove

Transport handle



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 50-0164 urine bag holder (no picture)

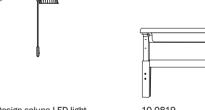


Standing-up aid with power supply unit for 09 side guards as well as 3/4 side guards without power supply unit



50-0773 Design soluna LED light 50-0550 Design LED light soluna





10-0819 Side element Flex

10-0817

10-0818

Gap closure design

Gap closure base



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

Integrated design linen holder

Compatible with all beds (except

09 3-part side guards and A-kk design)



10-0715

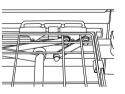
50-0174 Cushioning for divided 10 side guards

10-0719

Linen holder,



50-0338 Cushioning for 09 two-part side guards



10-0563/10-0533/10-0521 Segufix holder - for the thigh rest



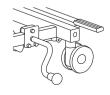




compatible with all bed types



Head-end wall spacer 10-0707 short 10-0709 long (not shown)



Side-mounted wall spacer 10-0708 short 10-0710 long (not shown)





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