

■ ■ wissner-  
■ ■ bosserhoff

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.

5

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 Germany / Clemens Tesch-Römer, German Centre of Gerontology / Thomas Ziese, Robert Koch Institute, Berlin 2009)



Prevention  
with sentida  
low nursing beds

for use in institutions with high standards of universal care close to the ground: Nursing homes and homes for the elderly, care resorts, palliative wards, dementia and geriatric wards and rehabilitation institutions.

# Living concept

sentida | Design G10



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.

# sentida Portfolio

The entry model



The mobile one



The flexible one



The cozy one



The extra mobile one



Model

sentida 1

sentida 3

sentida 4

sentida 5

sentida 6

**NEW:**  
Now also available  
as dismantable  
version, see p. 23

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  
Two 100 mm castors at the head end

Four 50 or 75 mm castors  
at the foot end double castors  
Two 100 or 160 mm castors  
at the head end fixed castors

50 or 75 mm double castors

50 mm double castors, completely covered  
by cozy undercarriage cladding

100, 125 or 150 mm easy-roll castors  
or 125 mm double or design castors

Braking capacity

Electric brake with handset

Electric braking with handset  
foot-end brake bar

Head-end and foot-end brake bar

One pedal brake for each axle  
with 2-castor central braking system

Foot-end brake bar with 4-castor  
central braking system

Safe working load

225 kg

225 kg

225 kg

270  
kg

270  
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

87/100 x 200/210/220 cm

87/100 x 200/210/220 cm

87/100 x 200/210/220 cm  
87 cm x 190 cm (sentida 5-m)

87/100 x 200/210/220 cm (sentida 6 & 6-d\*)  
87 cm x 190 cm (sentida 6-m)  
79 cm x 200 cm (sentida 6-s)  
79 cm x 190 cm (sentida 6-xs)



# Benefits at a glance



## Protection and mobility without FDM\*

SafeFree® - the patented side guard concept

| 12 - 13

## Safety by day and night

SafeSense® - the intelligent bed-exit sensor system

| 14 - 15

## Safe nursing care, mobilization and sleep

3-stop strategy

| 16

## Flexible and time-saving

3 bed lengths that can be adjusted without tools

| 17

## Effective bedsore prevention

Double retraction | 3 patient surfaces to choose from

| 18 - 19

## Intuitive operation

Clearly structured and ergonomic

| 20 - 21

## NEW: Revolutionary bed operation

SafeLift | Small handle with a difference

| 22

## The one easy to disassemble

sentida 6-d

| 23

## Energy efficiency and stability

Thanks to innovative drive concept

| 26

## Designer reading light

soluna

| 27

## We think ahead

memoriana | Room concept for dementia patients

| 28 - 29

## Additional options

Design | Colors and decors | Features and accessories

| from 30

# Living concept

sentida | Design Ts10



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.

# 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)\*\*.

1

No protection needed



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

2

Soft protection (no FDM\*)



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

3

¾ protection (no FDM\*)



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

4

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



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



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

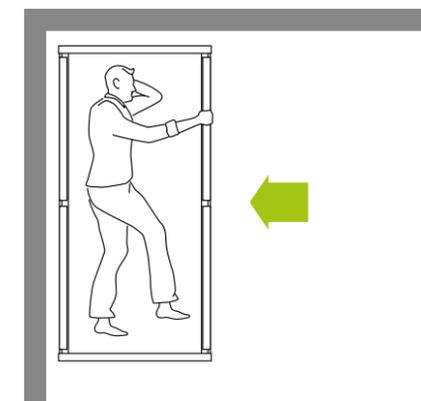
## Safe mobilization

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.

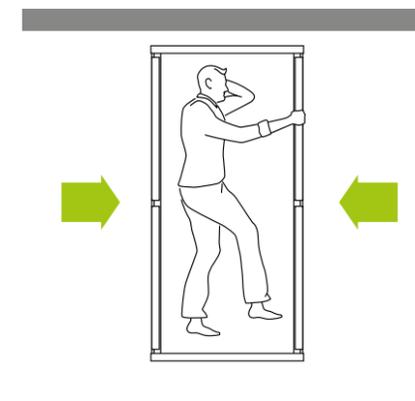


## All-round access for nursing tasks = with 4 divided side guards

- 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



Standard nursing - access from one side is sufficient

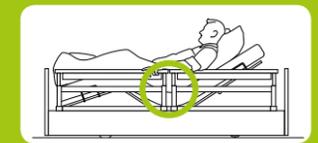


Increased need for care - access from both sides needed



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)



Videos on the side guard concept



# Safety by day and night

SafeSense® – the intelligent bed exit sensor system

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\*

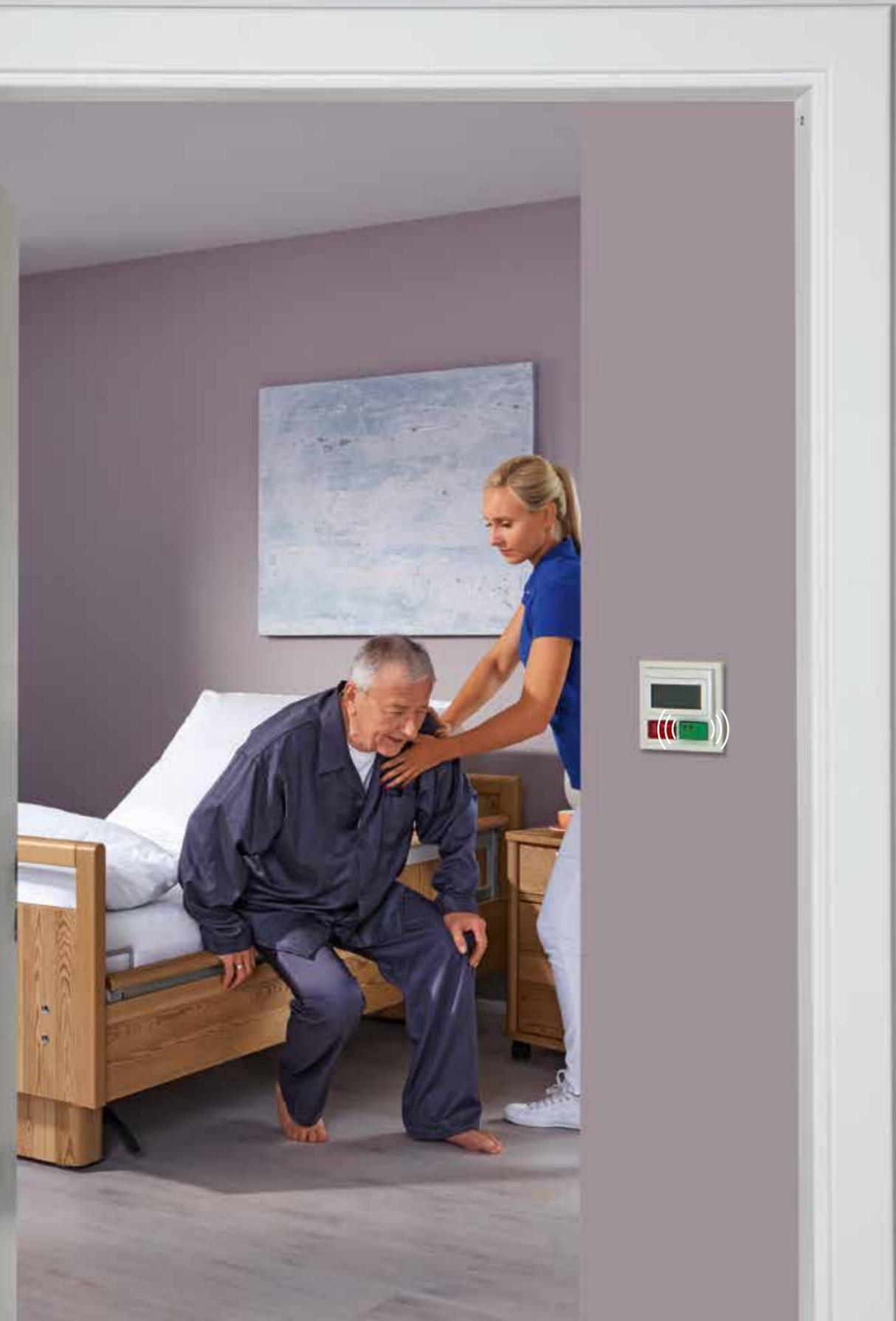
- Accessory option for current WIBO nursing home beds
- Retrofit kit for electrical WIBO nursing home beds manufactured in 2002 or later
- Available with cable or wireless

More safety –  
less freedom-  
depriving measures  
(FDM)

- Faster response time in the event of falls
- Greater safety during night and weekend shifts
- Fewer inspections
- Ideal in combination with sentida low nursing beds and SafeFree® side guards



Video SafeSense®



# Safe nursing care, mobilization and sleep

## 3-stop strategy

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.

80 cm

Optimal nursing position



41 cm\*

Safe mobilization at chair height



27 cm\*

Fall prevention during sleeping phases



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

# 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. 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 standard IEC 60601-2-52 are complied with in each configuration.

200 cm

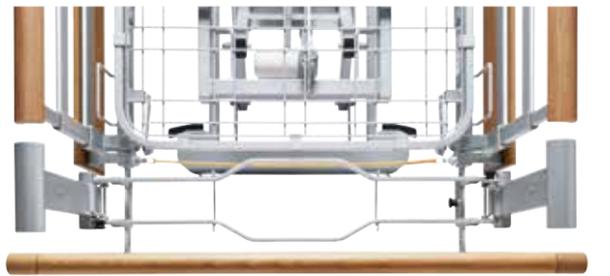
Bed length of 200 cm:  
The divided side guards offer protection without a central gap > 318 mm\* and without a protector

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



Bed extension with express release (option)

# Effective bedsore prevention

Double retraction | 3 patient surfaces to choose from

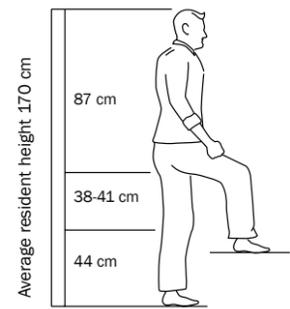
## Patient surface ergonomics

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.

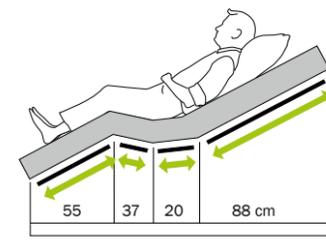
On the basis of professor Eigler's findings, it can be seen that the backrest area should be at least 80 cm long in order to effectively support the cervical spine.

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 \*



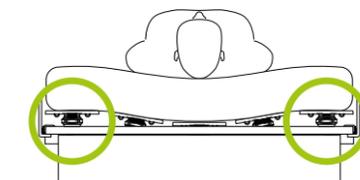
BiNetic patient surface 200 cm (long backrest)

## Patient surface modularity

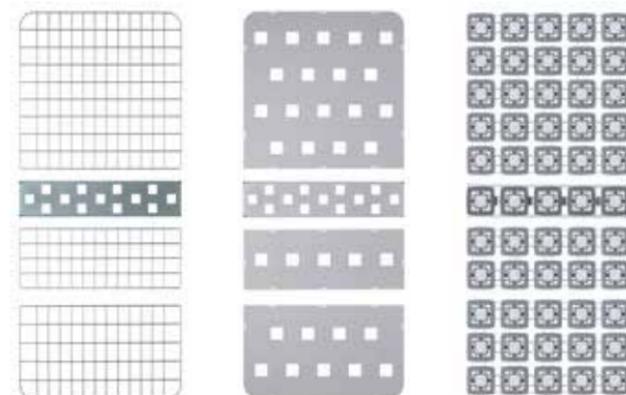
You can choose between 3 different patient surface options:

- 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



01

02

03



Detail comfort patient surface

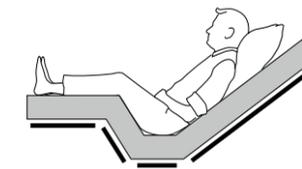
## Effectiveness of double retraction confirmed\*

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.

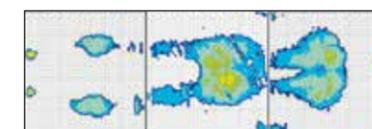


WIBO patient surface with notable relief



6 cm ← → 11 cm

Double retraction = pressure ulcer prevention



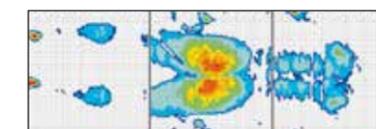
Thermal image of a BiNetic patient surface



Standard patient surface without relief



Single retraction = risk of pressure ulcer



Thermal image of a standard patient surface

Up to  
**2.7**  
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.

Source: BVMed 2012 study

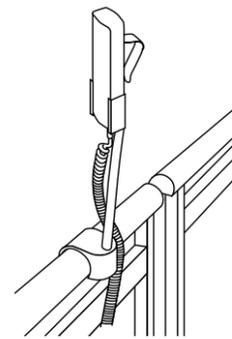
↓  
Double retraction =  
**17cm**  
more space in bed

# Intuitive operation

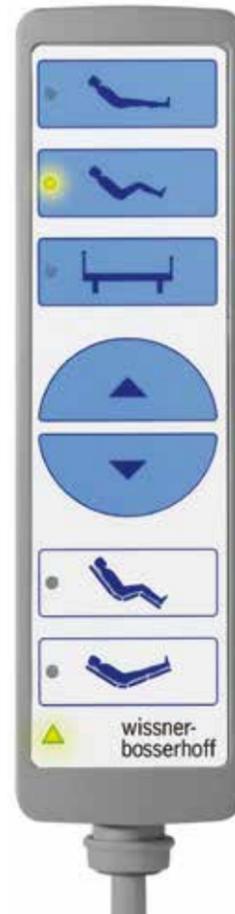
Even more straightforward and ergonomic

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.



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 positioning

↓

Extended functions

- Night light & reading lamp
- Separate leg rest adjustment
- Mobilization function
- Play protection



Video tutorial, also at [www.wi-bo.com/de/Ueberuns/Anleitungsvideos](http://www.wi-bo.com/de/Ueberuns/Anleitungsvideos)

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

## Watching television, reading or eating breakfast in bed with 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.



## 3 safety levels

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.

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

### Care mode:

All selection buttons are unlocked.

### Locking mode:

All functions of the handset are locked.

### Resident mode:

The resident can use the upper blue buttons.



Care mode



Locking mode



Resident mode



Key for safety levels (magnet-free)

## Bedsore prevention and keeping heels free with automatic positioning

The preset legs up position promotes decongestion with venous diseases and at the same time supports pressure ulcer prevention. The Semi-Fowler 30° position with knee lifting guarantees a reduced decubitus risk\* thanks to a favorable weight distribution in the sacral region, which is especially at risk of developing pressure ulcers.



# Revolutionary bed operation for the resident

SafeLift | Small handle with a difference

Our new SafeLift Mobilization Wizard revolutionizes the way beds operate for your residents. In addition, SafeLift - unlike a conventional handset - does not require cables or batteries and thus offers real added value in terms of fall prevention and follow-up costs. Its ergonomic design provides secure support when getting up from the bed, when resting with one hand or even with both hands.



**Maintain & improve mobility**  
The resident can put his or her own bed in an optimal exit position and support himself or herself on the SafeLift when getting up or pulling up.

**Simple bed operation**  
SafeLift only offers the functions (height adjustment, backrest adjustment) that the resident really needs and thus promotes independent bed adjustment.

**No cable, no battery**  
Thanks to established radio technology, the SafeLift Controller does not require cables susceptible to interference and contributing to fall prevention.

**An automatic night light**  
and fluorescent buttons help the resident to orientate himself in the dark.

**Easy installation, retrofitting**  
SafeLift can be retrofitted to wissner-bosserhoff nursing home beds\* and can be used flexibly.

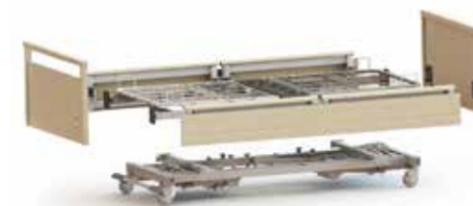


# The one easy to disassemble

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.

# Living concept

sentida | Design 010



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.

# 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](http://www.wi-bo.com/de/Ueberuns/Anleitungsvideos)

## Stable and safe

The new motor is especially powerful. Its 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	1.7 W	€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



## 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 storage areas promote the dementia patients' mobility and independence. Other areas of the room are, however, only accessible to those providing care.



### Maximizing safety

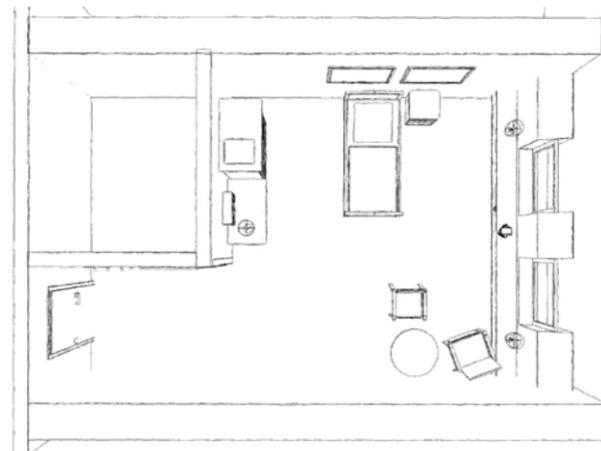
Resident safety is of utmost importance. Low nursing beds with side guards, handrails on furniture and walls as well as visual orientation aids provide the person diagnosed with dementia a maximum level of safety without feeling restrained.

# 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](http://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](mailto:info@wi-bo.de)



# Design | head / foot sections

## Head section



Design A  
Head-/Foot section



Design D



Design Df



Design G



Design K



Design O



Design T



Design Ts

## Foot section



Design Ak  
Head-/Foot section



Design D



Design Df



Design G



Design K



Design O



Design T



Design Ts

## Low foot section



Design Ak  
Folded down



Design Dx



Design Dfx



Design Gx



Design Kx



Design Ox

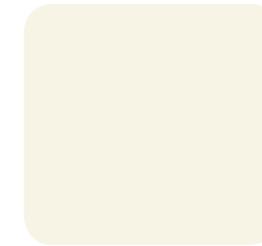


Design Tx



Design Tsx

# Colors | décors\*



Volcano White (U11502)



Lund Birch (R35018)



Lindberg Oak (R20021)



Cottage Pine (R55023)



Pinie Suomi Grey (R55022)



Pinie Suomi Brown (R55021)



Havana Cherry (R42006)



Shirling Oak (R38006)



Beech Natural (R24015)



Beech (R24034)



Cherry (R42002)

## Color combination memoriana

Combination option 1



Corpus Lund Birch  
Lining Havana cherry

Combination option 2



Corpus Havana cherry  
Lining cacao

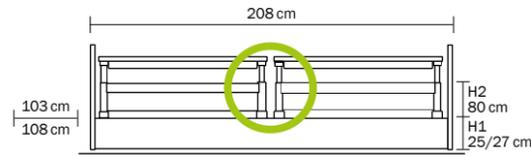
Combination option 3



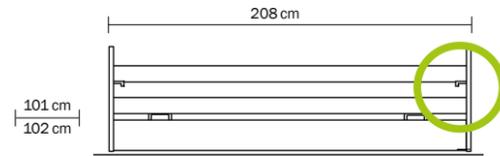
Corpus Pinie Suomi Grey  
Lining Pinie Suomi Brown

# Furnishings and accessories

## Dimensions

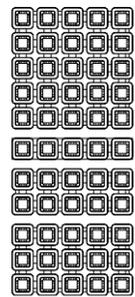


sentida with divided (10) side guards, without gap  
Outer dimensions: L = 208 cm, W = 103/108 cm  
Mattress dimensions: L = 200 cm, W = 87 cm  
H1 25/27 cm (low position), H2 80 cm (highest position)

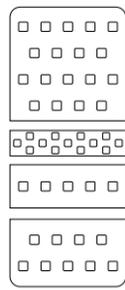


sentida with continuous 2-part  
09 side guard with trigger release

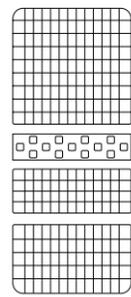
## Patient surfaces



Comfort

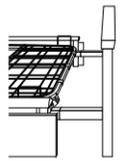


EasyClean

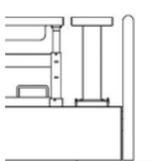


Standard | Aero

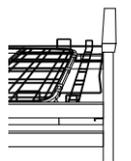
## Bed extensions



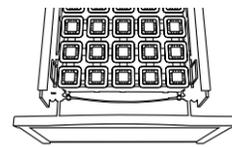
Temporary bed extension divided  
10 side guard (standard)



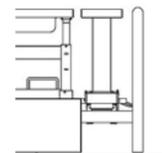
Permanent bed extension divided  
10 side guard (optional)



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



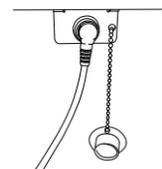
Vertical wall stopper castors



3D horizontal and vertical wall stopper castors



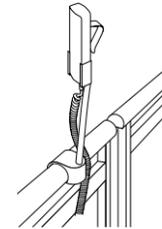
CPR release on the backrest



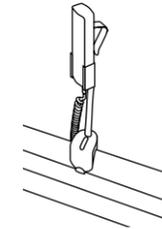
Plug & play use of the handset on one or both sides of the bed

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

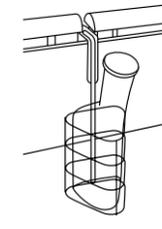
## Accessories



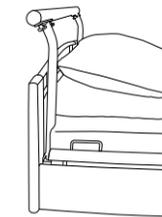
10-0419  
Handset holder for divided side guards  
10-0421  
Handset holder, short



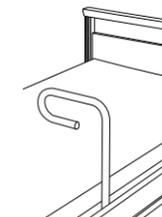
10-0422  
Accessories and handset holder for continuous side guards  
10-0421  
Handset holder, short



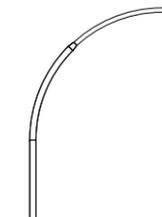
10-0424  
Accessories and handset holder for attachment to side panel  
50-0164 urine bag holder (no picture)



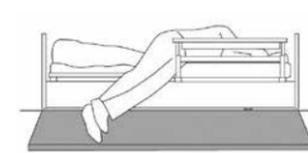
10-0534  
Transport handle  
EasyMove



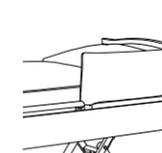
10-0715  
Standing-up aid for 09 side guards as well as 3/4 side guards



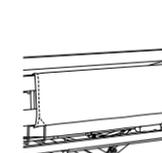
50-0773 Design soluna LED light with power supply unit  
50-0550 Design LED light soluna without power supply unit



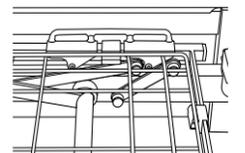
50-0206  
Fall mat width 90 x length 200 cm, height approx. 4.5 cm



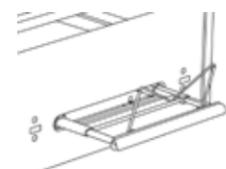
50-0174  
Cushioning for divided 10 side guards



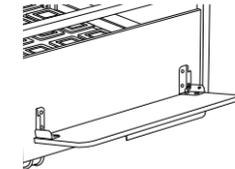
50-0338  
Cushioning for 09 two-part side guards



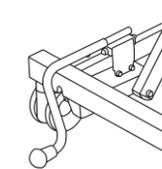
10-0563/10-0533/10-0521  
Segufix holder  
- for the thigh rest  
- for the backrest  
- for the seat section



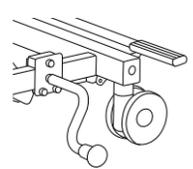
10-0617  
Integrated design linen holder  
Compatible with all beds (except 09 3-part side guards and A-kk design)



10-0719  
Linen holder, compatible with all bed types



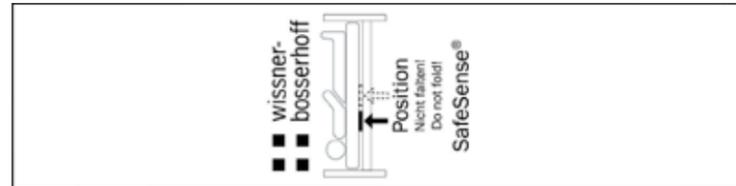
Head-end wall spacer  
10-0707 short  
10-0709 long (not shown)



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

# Accessories – SafeSense® bed exit system

## SafeSense® sensor mat 2.1

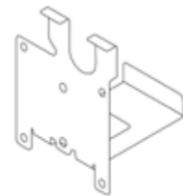


02-000876  
SafeSense® sensor mat 2.1  
80 x 20 cm

## SafeSense® Bed-Exit-Box 2



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



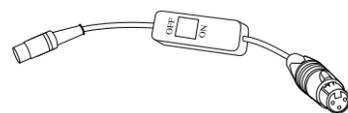
01-011193  
Retaining plate  
for DU09 motor



01-011194  
Retaining plate  
for Q7 motor

Also available as a set:  
Sensor Mat 2.1 & Bed Exit Box 2  
10-0871  
Cable version  
10-0872  
Radio 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 without on/off switch with suitable plug to connect to the nurse call system (customer-specific) for the cable and wireless version

# 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 9001:2008

EN ISO 13485:2012

ISO 14001:2004

ISO 50001:2011



Inspection label for product certification and auditing



CB certificate

Certificate  
for side guards

# Design

wissner-bosserhoff places great emphasis on design. Not only do our products combine functionality and high-quality workmanship but also design at the highest level. They feature a high level of functionality and cozy design as well as convenient usability and ergonomics. Having won several prestigious design awards, sentida is now among the most important nursing home bed series on the international market.



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Members of LINET Group

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