

Functional elegance in nursing care





The connected nursing home bed

How digital technology sustainably relieves the load of nursing care

sentida 7-i

Digitalization with sentida 7-i

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360° networked nursing care

Save time equivalent to two full-time* employees

Digitalization and the nursing crisis are much-discussed buzzwords sentida 7-i is the answer.

sentida 7-i provides you with reliable solutions to relieve the load on your nursing staff, such as the new nursing care documentation tool, right at the bed. The input and transfer at the CareBoard® save lots of pieces of paper and back and forth to the PC and therefore helps to save valuable nursing care time of up to 5 minutes per resident. Just like the integrated bed scale, which can save 15 minutes per weighing procedure compared with transfer into a wheelchair and subsequent transport to the scale.

In total this means a time saving of up to 3,400 hours per year the equivalent of the working hours of at least two full-time carers, for a home with 100 residents.

The new digital features do not only relieve the burden on nursing care time but also contribute to greater efficiency in your institution. They use the highest safety standards possible and save valuable nursing care time for the benefit of your residents - For human nursing care 4.0.



Input care routines via the CareBoard® directly at the bedside

- Saves up to 5 min. per
- documentation procedure
- Fewer transfer errors due to paperless input



Closed System with CareBoard®

- No danger from viruses or insecure cloud solutions
- Access management with
- different user rights



Integrated scale

- Saves up to 15 min. per weighing process compared with wheelchair scales
- Premium fall prevention through early bed edges call

Staff shortage



networked nursing care

infrastructure

Connectivity

- Integration of all important interface standards and protocols
- · Call differentiation: Your nursing staff
- set the right priorities





Daily BMI check with integrated bed scale

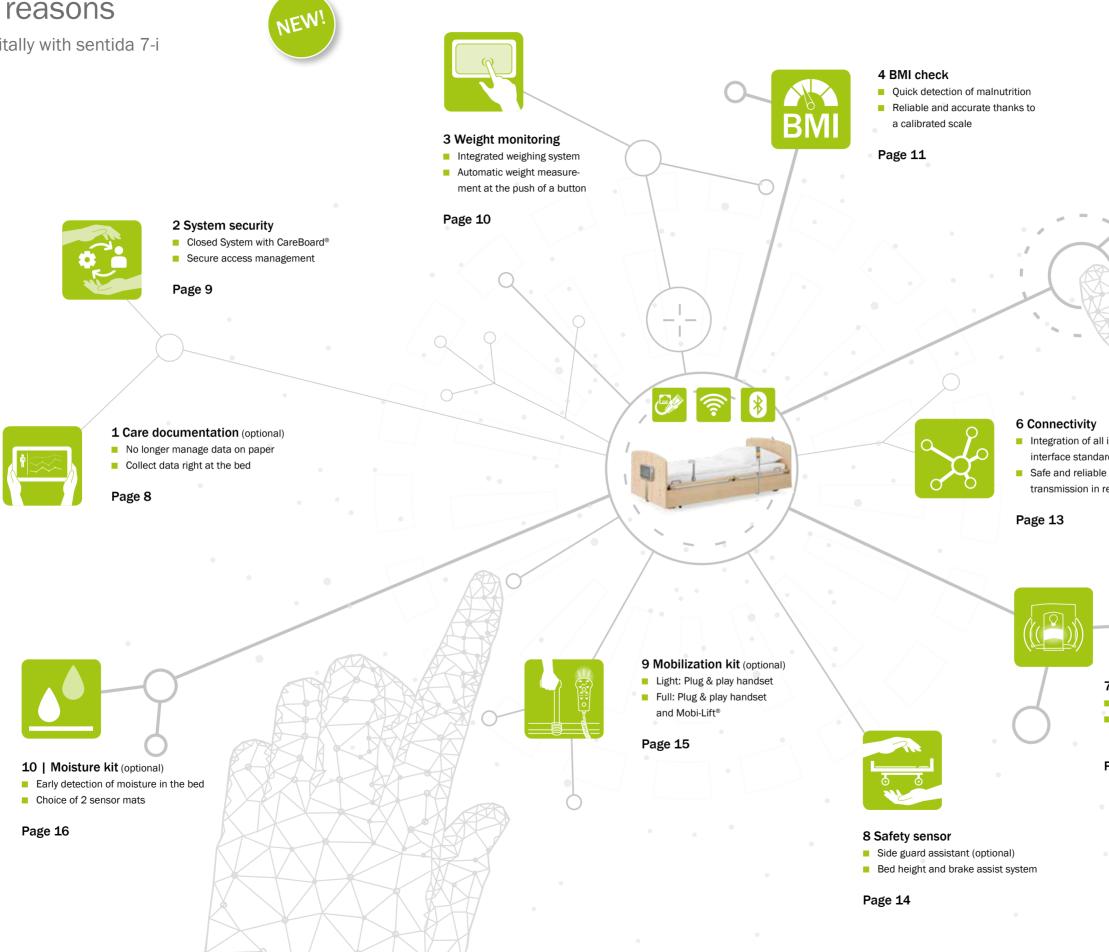
- Timely detection of malnutrition
- Home residents have a high risk of malnutrition of around 54%**





10 good reasons

Get started digitally with sentida 7-i





5 Bed-Exit-Manager

- Early warning of bed edges
- even before getting out of bed
- Freely adjustable nurse call timing

Page 12

- Integration of all important
- interface standards
- transmission in real time

7 Multi-call

- Calls are qualified
- So the nursing staff
- can prioritize

Page 13

1 | Live nursing care documentation (Optional)

Direct input instead of pieces of paper



The comprehensive functionalities of sentida 7-i can be easily operated by means of the CareBoard[®]. The 7" LCD touchscreen enables the nursing staff to organize the various functions in clear menus in order to facilitate everyday nursing care for the user.

- Easy and intuitive operation thanks to clear menus
- Energy saving mode: Automatic switch-off after approx. 10 minutes
- High level of safety: Login menus only for the nursing staff. Easy logout using the STOP key
- Display OFF using the GO safety button with automatic logout after approx. 10 minutes



Data no longer needs to be managed manually on paper. Save up to 5 minutes per documentation procedure.

> Gain valuable nursing care time equivalent to up to 2 full-time carers*



In the new nursing care routine menu the most important vital data* such as blood pressure, pulse or temperature can be recorded quickly and easily. Moreover, a short checklist offers the opportunity to enter the daily nutrition record. The data are transferred directly to the server of the nursing care software with Save&Send.



With "Save&Send" the resident's weight and vital data are stored and sent easily*

2 | System security

Closed system with access management



With sentida 7-i, wissner-bosserhoff sets new standards in terms of safety and making nursing care easier, and shows that it can be done even without virus-prone smartphone/tablet apps or insecure online Cloud solutions. It is a closed control system with CareBoard® - this means no viruses or negative external influences from other software or apps. The CareBoard's® permanent cable connection, moreover, ensures constant user security in line with the German Medical Device Regulation Act. Access management with different user rights guarantees even more security.



Sensitive bed settings can only be made by authorized people. Inadvertently switching off an important monitoring function is therefore precluded.





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3 | Weight monitoring with touchscreen

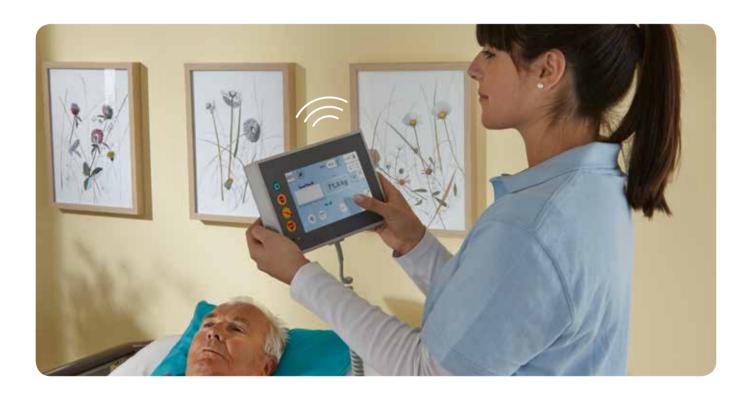
Save time by weighing in bed

Save&Send

use of hoists or wheelchairs and therefore ensures a comfortable and dignified weight recording for the documentation. In addition to this, the saved weight trend, which can be displayed in intervals of weeks or months, can improve medical care and also helps to draw conclusions concerning the dosage of medication or the assessment of lymphatic fluid accumulation in the legs. Thanks to the new "Save&Send" functionality, the weight data are quickly available in the care documentation.

The calibrated scale integrated in the bed supports the nursing staff without the cumbersome





Weighing with accessories is exhausting, time- and cost-intensive

- 2 nursing staff and aids needed
- Stress for residents
- Multiple repositioning

Advantages of the integrated, calibrated ale

nursing care time equivalent to up to

2

full-time carers*

4 | BMI Check

Early recognition of malnutrition even before the doctor's visit

Changes in eating and drinking patterns in the elderly often lead to an inadequate energy intake which goes unnoticed, body weight is reduced, and at times it leads to the resident becoming severely underweight (old-age anorexia). At the same time, those affected are often short in essential vital nutrients, vitamins and minerals.

The Body Mass Index (BMI) enables the attending physician to guickly detect malnutrition. With sentida 7-i, BMI can be directly evaluated in the Care Board. The value displayed here is based on a calibrated weighing system and is therefore very accurate.

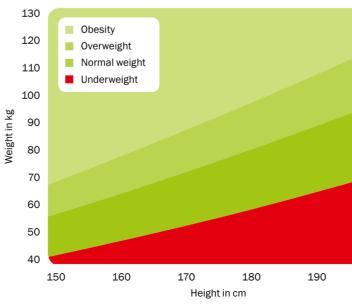
By the way: In the nursing care inspection which will come into force from November 2019, monitoring the nutritional condition of your residents is an important indicator for the quality of your nursing home.



Malnutrition can be detected early with daily BMI checks

- With built-in bed scales from sentida 7-i, you have full BMI monitoring at all times.
- BMI categories enable the quick detection of malnutrition for the attending physician (in nursing care usually a BMI < 19).
- Daily BMI check allows conclusions to be drawn about the general condition of residents.
- BMI calculation is based on a calibrated weighing system and is therefore very reliable and accurate.
- For the safety of your residents and the well-being of your relatives.

Body mass index







Make all the differcare inspection**



50% of the over 65-year-old home residents

Around

of normal weight are at risk of malnutrition! BMI can slip downward into the red BMI zone!

Source: BMI assessment from 65 years, jen

5 | Bed-Exit-Manager

Early warning system before the resident gets out of the bed

wissner-bosserhoff is a reliable partner for reducing freedom-depriving measures (FDM). With sentida 7-i, wissner-bosserhoff presents an intelligent nursing home bed with an intelligent sensor system, which reliably helps reduce 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. sentida 7-i is compatible with almost all standard nurse call systems.

Vide

By the way: In the nursing care inspection which will come into force from November 2019, fall prevention is an important indicator for the quality of your nursing home.



Bed edge call with early warning sensor -Best possible fall prevention by call signal before leaving the bed



Bed exit call notification -For quick reaction when leaving the bed

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





- Freely adjustable from 0 seconds (immediate alarm) to 30 minutes
- Adaptation to resident's mobility
- · Early-warning mode for hyperactive residents. The nursing staff is called as soon as the resident seems to fall out of bed



More safety = less restraints

6 | Connectivity

Ready for your infrastructure

The digital nursing home bed sentida 7-i has all the important interface standards already integrated and uses proven standard health care protocols to transfer the residents' data. This guarantees the secure and reliable transfer of your residents' data in almost real time, whereby the carers save time and their workload is considerably eased.





Standard interfaces

Medical standard wireless protocol

7 | Multi-call

Qualified calls for the right priorities

No matter whether it is the bed exit bed edges call, side guard assistant or moisture assistant which are activated. Using the multifunctional call, it is possible to differentiate and prioritize calls. In this way the nursing care staff immediately know which resident is in the most urgent need of help.





- · Bed edge early warning before the resident gets out of the bed
- Bed exit with a time-delayed call individual to the resident



- · Free mode to avoid FDM · Safe mode to ensure
- approved FDM during the night

12









- Protection against maceration thanks to early moisture detection in bed
- Cotton or plastic mat (accessories)
- · Enhances the resident's dignity

· Bed height and braking assistant

8 | Safety sensor

For the benefit of your residents

Three sensor assistants ensure a higher level of safety around the nursing home bed. A signal is sent by the integrated sensor system as soon as an activated assistant reports an unsafe situation involving the bed. This prevents accidents caused by falls.



The side guard assistant with the two modes Free & Safe.

Free mode: The new side guard assistant automatically emits

guardians ad litem in compliance with the "Werdenfelser Weg".

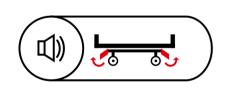
Safe mode: In the safe mode, the side guard assistant increases the safety of very active residents, securing them with an authorized restraint. The nursing staff is also automatically notified if the side guard of the bed is deactivated on purpose or by accident.

a signal if side guards were accidentally lifted. This prevents

unauthorized restraints, effectively supporting the work of





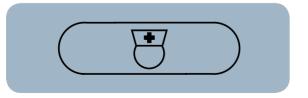


The bed height assistant notifies nursing staff if the selected bed height is changed. This, for example, makes it possible that the low position is set for the night and the best transfer position is set for the day, contributing significantly to preventing falls.

The braking assistant signalizes if the brake is released and not locked again after nursing care or cleaning.

Monitoring states





Care mode allows all light alarms to be deactivated. This avoids the unintended activation of light alarms during daily routine nursing tasks. After 10 minutes it automatically switches back on.

9 | Mobi-Lift[®] (optional)

For self-mobilization



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Mobi-Lift[®]:

- Can be folded down
- Ergonomical
- Stable

Immobility syndrome

People who are confined to their bed have limited mobility. If this restricted mobility is not countered, the so-called immobility syndrome occurs.

RISKS:

- Risk of thrombosis
- Risk of bedsores
- Confusion



10 | Moisture assistant (optional)

Sensor mat with nurse call function

If humidity in bed is detected, an alarm is transmitted to the nurse call system in the building. The moisture assistant immediately detects moisture in the bed and thus increases protection of the resident. A cotton sensor mat is available, washable at 60 °C (01) and also a wipe-resistant plastic sensor mat (02).

Residential comfort and safety

SafeControl - illuminated design handset

The SafeControl design handset impresses at first glance, thanks to its clear structure and ergonomic design. Large, raised buttons are clearly arranged and enable easy operation, particularly at night, thanks to an illuminated control panel.



01 Cotton sensor mat, washable at 60 °C



02 plastic sensor mat, wipe resistant



Around

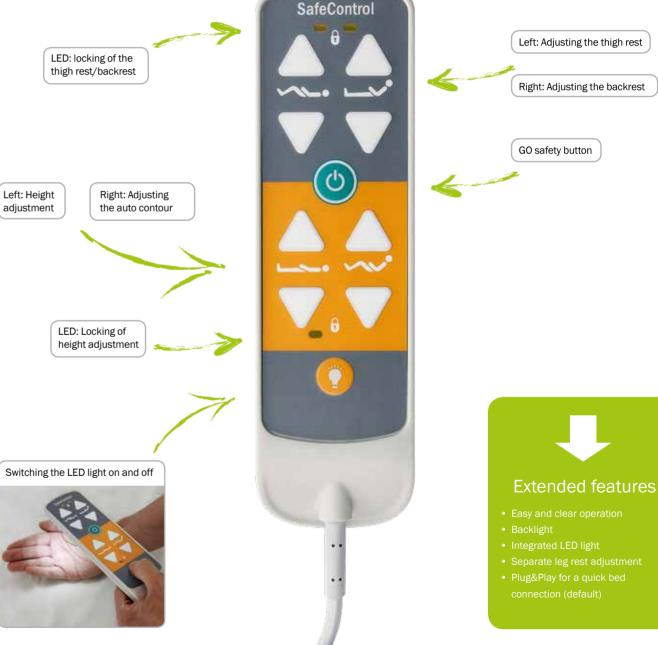
75%

of all residents in retirement and care homes suffer from incontinence

In absolute terms that means approx.

300,000

residents in nursing homes Source: www.bymed.com from 03/01/2019





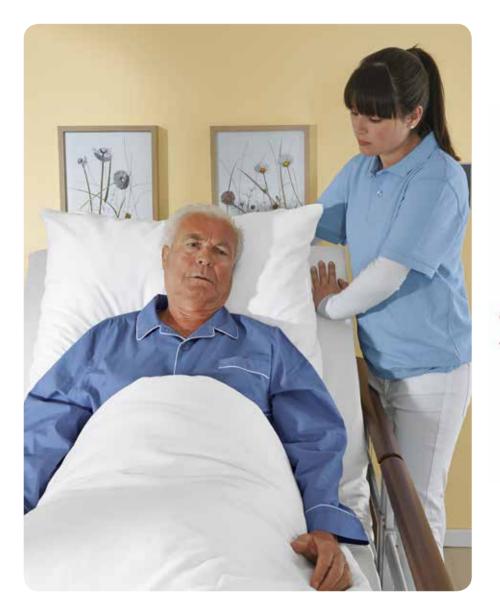




Intensive and critical care

Acute care package

In addition to the medical benefits, safety and compliance with the IEC 60601-2-52 standard are the first priority. The sentida 7-i nursing home bed offers preset emergency and therapy positions, which can also be initiated if the LCD touchscreen is down.



The emergency stop button immediately stops any unwanted bed movements and instantly disconnects the bed from the power supply. Electrical CPR can be performed and the patient moved into the Trendelenburg position automatically at the touch of a button. The bed comes equipped with a battery as standard. All emergency functions can be activated in the event of a power cut. Thanks to the mechanical CPR function, the nurse can lower the backrest by hand.

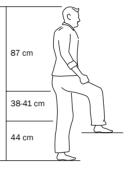
GO safety hutton Emergency stop button Automatic Trendelenburg position button Electric CPR buttor

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





Anthropometry according to Prof. Eigler *

BiNetic patient surface 200 cm (long backrest)

WIBO patient surface with notable relief

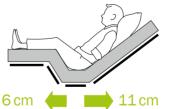


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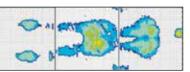
Standard patient surface without relief





Double retraction = pressure ulcer prevention

Single retraction = risk of pressure ulcer



Thermal image of a standard patient surface

Thermal image of a BiNetic patient surface

wissner-bosserhoff | sentida 7-i

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.









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.



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)**.

No protection needed





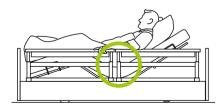
Lowered, the divided side guards look homely and provide unhindered access to the resident for daily routine nursing tasks. No need to take off and store accessories that are in the way, such as a middle post or fixed side guards.

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.

3/4 protection (no FDM*)

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

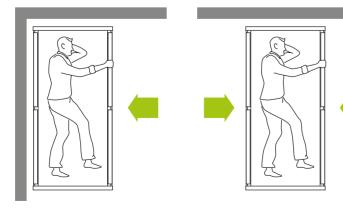
More safety due to smaller central gap* < 60 mm



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

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

3



- · 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.

Safe mobilization regardless of body size





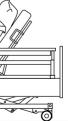
Divided side guards are very useful for effective mobilization, as they are easy to grab and clasp. They can be used as a safe standing-up aid and verifiably support the resident's mobility.



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



2 Automatic positions







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



Bedsore prevention and keeping heels free with automatic positioning



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

41 cm*

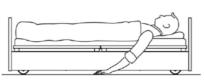
27 cm*

Optimal nursing position

Safe mobilization at chair height







Flexible and time-saving

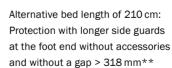
3 bed lengths that can be adjusted without tools

- 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

210 cm

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







Fall prevention during sleeping phases





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

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Living concept Forest

sentida 7-i | Design Df

There is almost nothing so relaxing as a walk in the forest. The fresh air and the lush shades of green and brown refresh and invigorate us and help us clear our heads. This has even been scientifically proven: Japanese researchers have discovered that walking through the forest reduces blood pressure and heart rate. In addition, adrenaline levels are lower than after a walk in a city. This concept is just a suggestion – we will happily give you individual advice.



wissner-bosserhoff | sentida 7-i



Decor

colors



2 models to choose from

The cozy one



Movability At every bed height

Castors Four 50 mm double castors Completely covered by homely undercarriage



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

CareBoard[®]

Two positions to choose from

Height adjustment 27-80 cm

The extra mobile one



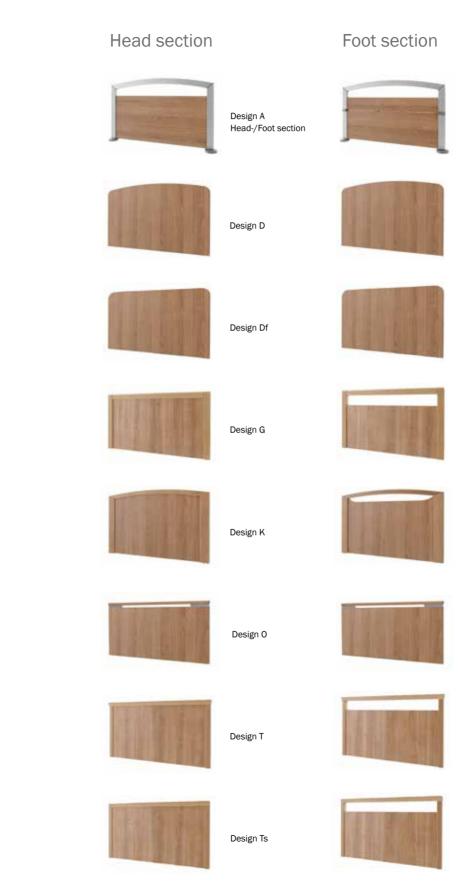
Movability At every bed height

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



- Braking capacity Foot-end brake bar with 4-castor central braking system
 - Height adjustment 27-80 cm with 100 mm easy-roll castor 29.5-82.5 cm with 125 mm easy-roll castor 28-81 cm with 125 mm double or design castors 32-85 cm with 150 mm easy-roll castor







Wall mounting, head-end cable connection



Holder at the foot section, foot-end cable connection

Low foot section

Design Ak Head-/Foot section		Design Ak Folded down
Design D	1 Martin	Design Dx
Design Df		Design Dfx
Design G		Design Gx
Design K	1 1 1 1	Design Kx
Design O		Design Ox
Design T		Design Tx
Design Ts	- 13 - 17	Design Tsx

Colors | Decors*

Synthetic leather & fabric covers



Beech Natural (R24015)

28

Beech (R24034)

3 color combination for the memoriana room concept** With our new covers made from high-quality materials by renowned partners we offer an

excellent surface material with the following properties:

Blood and urine resistant

- Disinfectant resistant
- Extremely hard-wearing
- Durable

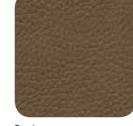
Synthetic leather





Pearl

Birch







Corn

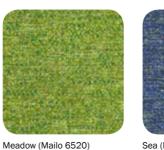
Fabrics





Blue, striped (Agon 5520)

Gray, striped (Agon 8520)



wissner-bosserhoff | sentida 7-i



Sea (Mailo 5520)

Sand (Mailo 1521)



*Some décors available at extra charge. | ** Matching furniture can be found in the catalog "memoriana"

wissner-bosserhoff | sentida 7-i

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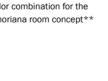
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G

for side guards

Certificate

1000



Certified security

wissner-bosserhoff voluntarily has its production processes and management regularly audited by the TÜV Süd. The company is certified in accordance with the regulations of the standard DIN EN ISO 9001 for quality management systems, DIN EN ISO 13485 for the manufacture of medical devices as well as ISO 14001 for environmental management.



weighing systems

Cherry (R42002)



· Environmentally friendly and non-toxic

• Flame retardant (in accordance with the ignitability criteria in accordance with DIN EN 1021 Part 1 + 2 and BS 5852 Crib 5*)



vill be ha

Pebble



Cashmere





Lime



Royal









Gray, polka dot (Flint 8520)



Stone (Mailo 8520)



Rose (Mailo 4520)

Furnishings and accessories

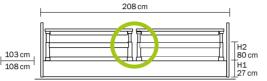
Optional features

Basic version

Scales (incl. BMI CHECK), Bed exit, preparation of care documentation

Module 1 Care documentation Module 2 Free & Safe Module 3 Moisture kit Module 4 Mobilization kit

Dimensions



sentida 7-i with divided (10) side guards, without gaps Outer dimensions: L = 208 cm, W = 103/108 cm Mattress dimensions: L = 200 cm, W = 87 cm H1 27 cm (low position), H2 80 cm (highest position)

Patient surface modularity

Comfort patient surface with 55 spring elements

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.

10-0697 sentida 7-i The intelligent & cozy one 10-0698 sentida 7-i The intelligent & extra mobile one

Accessoires





50-0583 Cotton moisture sensor mat: without cable

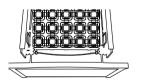
50-0624 Plastic moisture sensor mat; including cable

Patient surfaces

Standard Aero	EasyClean	Comfort

EasyClean Standard | Aero

Bed extensions



Bed extension with express release (optional)

Options



Vertical wall stopper castors



3-D wall stopper castors, horizontal and vertical protection

Permanent bed

extension divided

10 side guard (optional)



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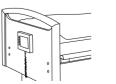


10-0570/10-0580

by 20 cm (optional)

Protector for bed extension

connection with holder for wall mounting



Foot-end cable connection with holder at the foot end



Connection for moisture sensor mat

wissner-bosserhoff | sentida 7-i



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



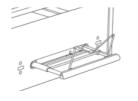
04-1608

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



50-0165 Urine bottle cage 50-0164 Urine bag holder (not shown) 10-0424 Accessory attachment for attachment to side panel

10-0534 Transport handle EasyMove



10-0617 Integrated Design Linen holder compatibel with all beds (except 09 side guard with trigger release and Design A-kk)

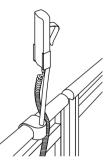


10-0719 Linen holder compatible with all bed types



50-0623 Cable for cotton moisture sensor mat

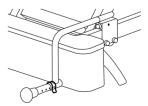
50-0681 Wireless receiver for wireless version



10-0419 and 10-0790 The handset is easy to reach for both the resident and staff at all times



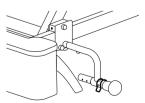
50-0174 Cushioning for divided side guards (10)



Head-end wall spacer, telescopic, only for sentida 5 and 6 10-0801 short, 1 x 20 mm 10-0802 medium, 4 x 20 mm 10-0803 long, 8 x 20 mm Head-end wall spacer, only for sentida 5 and 6 (no image) 10-0707 short | 10-0709 long



50-0771 Fall mat W 90 x L 200 cm, height approx. 4.5 cm



Side-mounted wall spacer, telescopic, only for sentida 5 and 6 10-0804 short, 1 x 20 mm 10-0805 medium, 4 x 20 mm 10-0806 long, 8 x 20 mm Side-mounted wall spacer, only for sentida 5 and 6 (no image) 10-0708 short | 10-0710 long







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