

Funke
Medical
Creating a valuable life



Better sleep

Comfort and care in harmony

Sleep solutions for
greater comfort and safety

A photograph of a woman with blonde hair lying in a hospital bed, looking towards a male nurse in a white uniform who is standing by her side. The room is bright with large windows and white curtains. A vase of yellow and orange flowers sits on a table next to the bed. In the background, there is a wooden wardrobe with a heart-shaped decoration and a teal chair.

Content

01	Introduction	4
02	Importance of good sleep	5
03	How does sleep change as we get older?	6
04	Why the right mattress and bed are key to a good night's sleep	6
05	Ortho Support® mattresses and neck pillow	10
06	Scintilla Care® comfort beds	16

01

Introduction

Good sleep is one of the most important pillars of **health, well-being and quality of life** – just as important as a balanced diet or regular exercise.

While we sleep, our body regenerates: the heart, circulation, muscles and brain recover, memories are processed and energy is recharged for the new day.

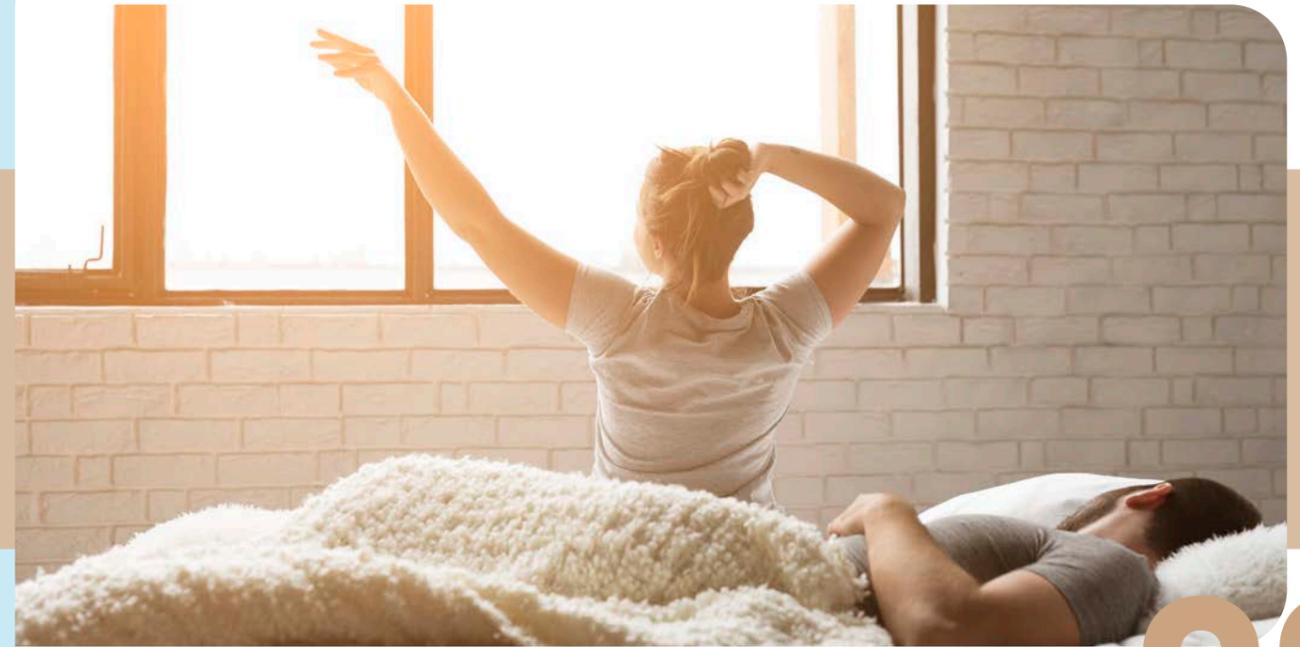
Not every type of sleep is the same.

As we grow older, the rhythm, duration and quality of night-time rest change. Deep and REM* sleep phases become shorter, falling asleep may take longer and periods of wakefulness during the night increase. Many older people therefore sleep more lightly, more frequently and often in several shorter phases throughout the day and night.

This makes the correct sleeping environment even more important. A **mattress** that provides optimal support for the body, combined with a **bed** that is ergonomic and adaptable, can significantly enhance sleep quality.

High-quality materials, pressure-relieving comfort and flexible bed systems create the foundation for restful nights – today and later in life, even when your sleeping needs evolve.

*REM = Rapid Eye Movement
Dream phase in which the brain is still active while the muscles remain relaxed.



02

Importance of good sleep

Alongside regular physical activity and a balanced diet, good sleep is a fundamental pillar of physical and mental well-being. During the night, the body „switches“ into regeneration mode: breathing, cardiovascular function, muscle tone and brain activity change noticeably and measurably. The organism comes to rest — and uses this time to initiate repair and recovery processes.

Rest, regeneration and mental reset

While we sleep, the brain remains highly active. It processes sensory impressions, organises experiences and consolidated memories. Dreams can help us reflect on and emotionally process what we have experienced. At the same time, our body temperature drops to its lowest level during the night. Towards morning, the body releases the stress hormone cortisol, preparing us to wake up feeling refreshed and ready for the day. Sleep is therefore far more than simple rest — it is essential for physical regeneration, mental resilience and emotional balance.

How can you tell if you've had really good sleep?

You can tell you've had a good sleep if you ...



... fall asleep quickly when you go to bed.



... don't wake up during the night, or only rarely.



... don't wake up too early in the morning.



... feel refreshed and rested when you get up.

If you regularly have difficulty falling asleep or staying asleep — regardless of your age — this is not considered normal and should be discussed with a doctor.

03

How does sleep change as we get older?

Sleep changes with age. The phase of falling asleep becomes slightly longer, meaning that many older people spend more time awake in the evening. At the same time, deep sleep and REM phases decrease. As a result, sleep becomes lighter overall and periods of wakefulness during the night occur more frequently. Between the ages of 60 and 80, these interruptions tend to become longer and more frequent, which can reduce the feeling of having slept through the night.

Many older people therefore develop a multi-phase sleep pattern, characterised by shorter nights and occasional naps during the day. Short rest periods of around 20–30 minutes can help compensate for the afternoon low and restore alertness. Longer daytime sleeps, however, may interfere with night-time rest and further disrupt the sleep-wake rhythm.



As regenerative sleep phases become more sensitive with age, the right sleeping environment plays a crucial role.

Ergonomic beds and individually tailored mattresses help relieve pressure on the spine, support the body and promote rest and recovery. Flexible bed systems combined with high-quality foam mattresses — which can be easily adapted into care beds at a later stage — are particularly useful.

04

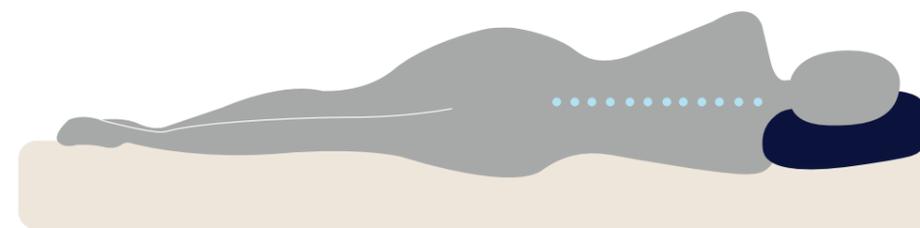
Why the right mattress and bed are key to a good night's sleep

A good night's sleep begins long before we go to bed — it starts with the right mattress and a suitable bed. Together, they form the foundation for an **ergonomic lying position**, **relieve pressure on the spine** and **support the body** exactly where it is needed.

Especially later in life, when sleep becomes lighter and night-time recovery process becomes more sensitive, **high-quality materials**, **pressure-relieving comfort** and a **well-designed bed frame** play an crucial role. A suitable mattress can ease tension, prevent pressure points and promote deeper, more restorative sleep. A thoughtfully designed bed — ideally one that can be converted into a care bed at a later stage — provides additional safety, comfort and freedom of movement.

Together, mattress and care bed create a sleeping environment that makes a noticeable contributes to **health**, **regeneration and well-being**.

Proper lying posture means allowing the body to fully relax while keeping the **spine in a natural, aligned position**. A quality mattress supports this by letting the shoulders and pelvis sink in just enough to maintain the spine's natural curvature in any sleeping position. Only when the body can rest, without needing to compensate through the muscle tension, true nighttime regeneration can occur.



right firmness



too soft



too hard

A healthy sleeping position can be achieved with a mattress that suits your individual needs and a properly selected pillow. Your head and neck should be in a straight line with the rest of your body, without being overstretched or bent — regardless of whether you sleep on your side, back or stomach. Unnatural positions quickly lead to tension, which is why the right mattress plays an important role.

Regardless of your sleeping position, keep the following in mind:

- Your **spine** should maintain its **natural shape**.
- Your **shoulders and pelvis** must be able to **sink in**.
- The rest of your **body** should be able to lie in a **stable position**.

This allows the body to relax and regenerate at night.

Note on mattress firmness

Many people assume that a higher body weight requires a firmer mattress and a lower body weight a softer one. However, this rule of thumb does not apply universally. The ideal firmness depends on factors such as your body shape, sleeping position, personal comfort preferences, and how much you move during the night. In addition, firmness levels are not standardised — a H3 from one manufacturer may feel noticeably softer or firmer than a H2 from another. This makes the firmness rating alone only partially meaningful. What truly matters are high-quality materials, a well-constructed foam structure, and the mattress's ability to remain supportive and adaptable over time.

A high-quality mattress offers noticeable pressure relief, a harmonious balance of stability and gentle sink-in, and a restful lying position without any muscular compensation. It also supports deeper sleep stages, including deep and REM sleep. Older adults in particular benefit from a surface that softly cradles the body without exerting pressure — promoting restorative sleep and enhancing overall well-being.

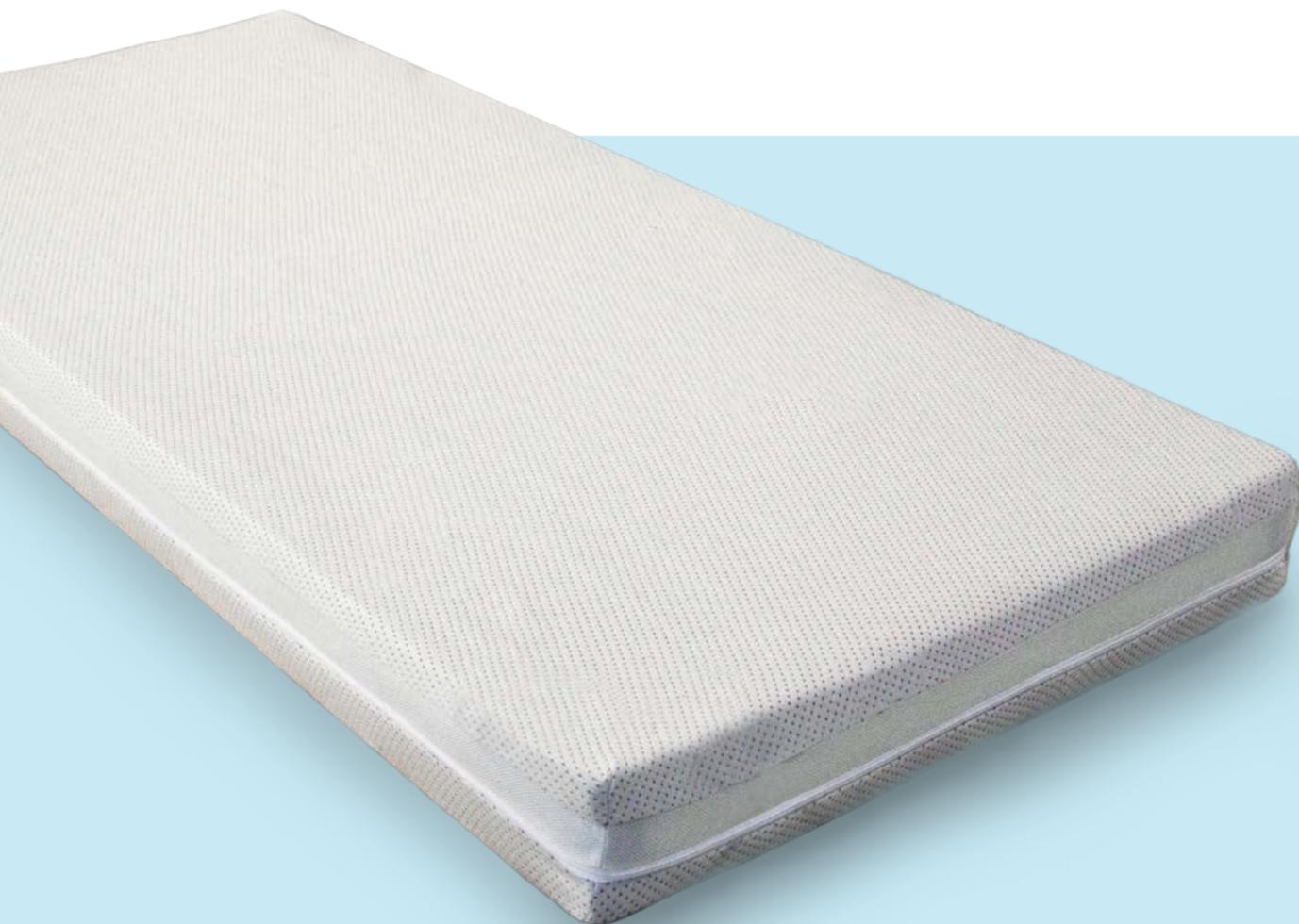


**Sleep at
its finest**

05 Ortho Support® mattresses and neck pillow

Every night is precious. The right mattress can make all the difference — between restless tossing and truly deep, restorative sleep. Let yourself be inspired and discover the mattress that fits you.

The Ortho Support® sleep systems provide exceptional pressure relief, adapting perfectly to the natural contours of your body and delivering targeted support to sensitive pressure points. Because your body lies more calmly and relaxed, spontaneous movements throughout the night are noticeably reduced. This promotes longer periods of uninterrupted deep sleep, enabling effective physical regeneration. The result: a clearly more refreshed, energised awakening each morning.



Comfort to feel good

ORTHO support®

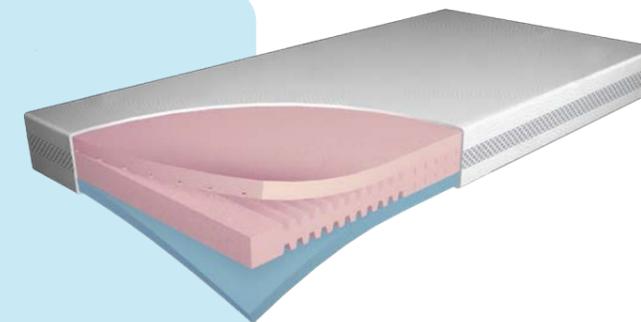
The medical sleeping system

Features

- Super-Dry-Cover: removable via zipper, washable up to 60°C, breathable
- Mesh³-Climate-Control-Cover for optimal air circulation
- Ventilation systems ensures a particularly breathable anatomic-layer (*middle plate*)
- Basic support layer (*bottom plate*) for stable support
- Ventilation system for an optimal microclimate
- Suitable for adjustable bed frames

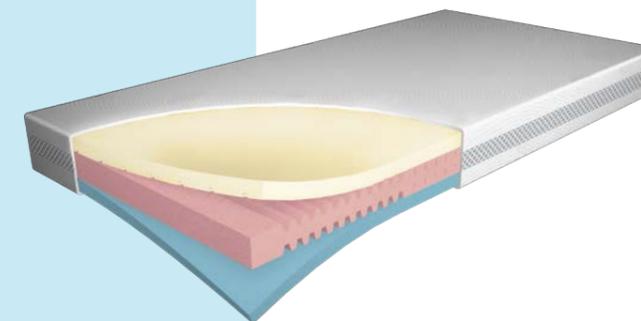
Technical data

- All foams and fabrics comply with Oeko-tex-Standard 100
- Suitable for allergy sufferers
- Body weight: 20–120 kg (*XL: 40–250 kg*)
- Mattress height: 15 cm (*XL: 18 cm*)
- 5 Years guarantee (*applies to functional properties of the mattress core*)



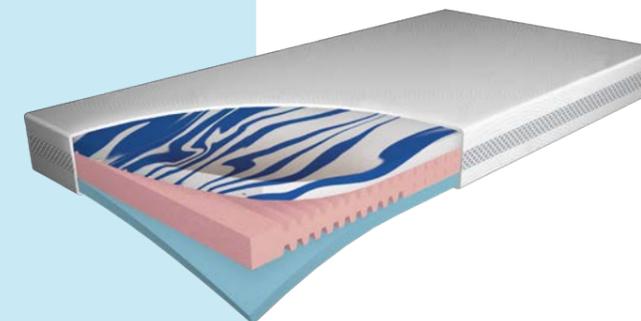
ORTHO support® basic

The top plate consists of a **super-soft layer**. This layer stabilises your lying position and supports a more restful sleep.



ORTHO support® basic visco

The top plate is made of **memory foam**. The viscoelastic foam adapts perfectly to the individual bodyshape and ensures exceptional comfort.



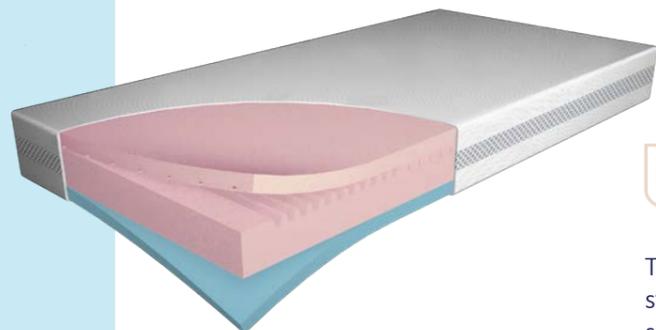
ORTHO support® basic gel

The top plate is made of **Geltouch® foam**. The foam has a cooling effect. This prevents heat accumulation and regulates the microclimate.

Ortho Support® mattresses – XL 250

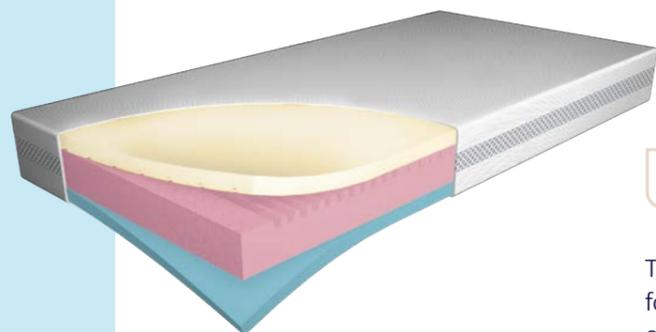
Ortho Support® mattresses are also available in an XL version. With a height of 18 cm, they offer an ideal balance of comfort and stability. The increased mattress depth makes getting in and out of bed noticeably easier while enhancing overall lying comfort.

Thanks to their reinforced core, the XL models are suitable for higher body weights (40–250 kg) and reliably retain their shape over time, preventing premature sagging — even under regular or increased load.



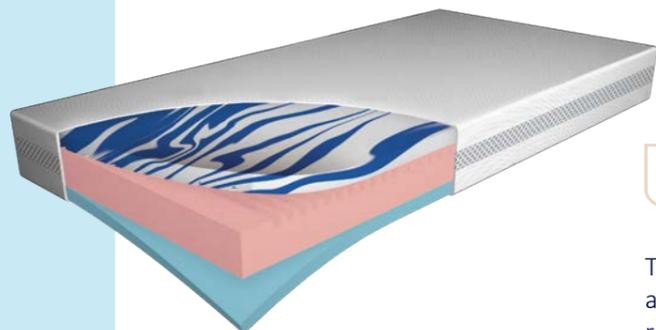
ORTHO support® xl 250

The top plate consists of a **super-soft layer**. This layer stabilises your lying position and supports a more restful sleep.



ORTHO support® xl 250 visco

The top plate is made of **memory foam**. The viscoelastic foam adapts perfectly to the individual bodyshape and ensures exceptional comfort.



ORTHO support® xl 250 gel

The top plate is made of **Geltouch® foam**. The foam has a cooling effect. This prevents heat accumulation and regulates the microclimate.

The Ortho Support® mattresses are available in the following sizes:

90x200x15 cm	100x200x15 cm	120x200x15 cm	140x200x15 cm	160x200x15 cm
90x200x18 cm	100x200x18 cm	120x200x18 cm	140x200x18 cm	160x200x18 cm

Other sizes available on request.



ORTHO support® travel pillow

ORTHO support® neck pillow

The Ortho Support® neck pillow is the ideal addition to your sleeping system.

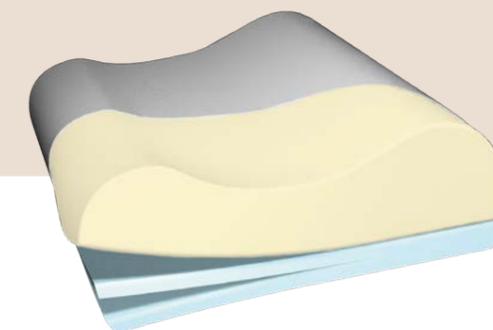
The neck pillow supports the natural posture of the head and neck during sleep. Its ergonomic shape adapts perfectly to the head and neck line, helping to relieve pressure on the spine and prevent tension in the neck and shoulder area. At the same time, the pillow ensures stable support when lying on your back or side, promoting peaceful, restful sleep.

Features

- Super-Dry-Cover: removable via zipper, washable up to 60°C, breathable
- Top layer made of visco foam (memory foam) for an optimal adaption to the shape of your head
- Three-layered design, that allows height adjustment depending on your comfort level
- Ideal neck support with a firmer lying comfort
- Breathable and optimal heat/climate control
- Suitable for adjustable bed frames

Technical data

- All foams and fabrics comply with Oeko-tex-Standard 100
- Suitable for allergy sufferers



Product	Size (Width x Length x Height)	Item no.
Ortho Support® Neck pillow	35x60x14 cm	3140040080
Ortho Support® Travel pillow	24x40x9 cm	3149040050

Also available as travel pillow in a practical travel size!

Independence,
achieved together.



Scintilla Care® comfort beds

Scintilla Care® comfort beds are electrically adjustable beds that allow the height, head and foot section to be individually adjusted. They offer both stability and a wide range of functions. With their robust construction and high-quality materials, they provide exceptional comfort and safety.

The comfort care beds are available as **Scintilla 1000**, **2000** and **2500**.

The Scintilla 1000 and 2000 are care beds that are pre-equipped with appropriate features such as side rails.

The Scintilla 2500 is a comfort bed that can be converted into a care bed with the appropriate accessories if required.

Today, a care bed no longer has to look like one. Our models blend **modern technology** with contemporary, **elegant design** to create a warm, home-like atmosphere where you can truly feel comfortable.

Colour selection

The care beds are available in three different wood colours.



Piemont Mokka



Country Oak



Beech



06

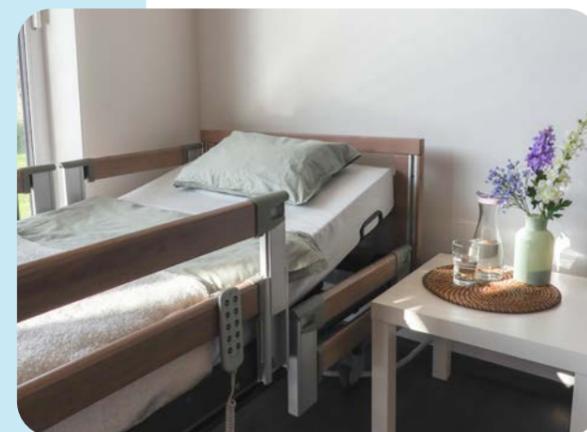


All models can be equipped with different types of **side rails**. They serve as reliable fall-prevention, provide support when standing-up and offer additional orientation.

There are two **braking systems** available for secure positioning of the bed: axle braking system and central braking system.

Both systems ensure secure locking of the wheels and support safe handling in care and residential areas.

The height as well as head and foot section can be adjusted using a **remote control**. For safety reasons, the Trendelenburg function can only be unlocked with a key.



Sizes

Scintilla beds are come in a standard size of 90 x 200 cm. The Scintilla 2000 is also available in 110 x 200 cm, while the Scintilla 2500 offers sizes up to 120 x 200 cm.

All models can additionally be extended by 10 cm at both the head and foot end, ensuring even greater flexibility and comfort.

Work ergonomics & safety

With their high level of user comfort and wide range of functions, Scintilla comfort beds noticeably ease everyday care. Particular emphasis is placed on patient safety. The beds can be conveniently adjusted to the ideal working height, enabling nursing staff and family carers to work comfortably and ergonomically.

The Scintilla bed adapts to the individual. Intelligent adjustment options and thoughtfully designed features support everyday independence while making standing up and safe transfers easier. A special technical highlight allows the Scintilla 2000 and 2500 care beds, on request, to be transformed into a comfortable armchair — ideal for starting the day in an upright position, enjoying a relaxed breakfast, or watching television in comfort and with a high quality of life.

Reliable quality with style

Additional options can be flexibly and individually integrated into the care bed. The exceptionally stable Y- or X-scissor design enables smooth and convenient height adjustment while ensuring maximum stability and safety, even in the highest position. Crafted from high-quality materials, Scintilla beds stand for durability and dependable quality. They comply with all European legal requirements, are CE-certified in accordance with MDR 2017/745, and TÜV-tested. The Scintilla care beds seamlessly combine safety, stability, and a stylish design.



100 mm wheels



75 mm wheels



75 mm wheels with cover (only available for Scintilla 2000, 2500)

The wheel type can be selected individually. Wheels are available in 75 mm and 100 mm as well as version with integrated wheel covers.

Further configuration options for Scintilla beds are presented on the following pages.

SCINTILLA 1000 care bed



Size: 90 x 200 cm

Special Features:

- Backrest with a virtual pivot point to minimise shear forces on the coccyx
- 8 button remote control



Stable
X-scissor design



Height adjustment:
38–80 cm



Patient weight:
0–175 kg

The **Scintilla 1000** is a stable and safe care bed that can be effortlessly adjusted to the optimal working height. Its wide range of adjustment functions supports independence and ease of use in everyday care.



Stable
Y-scissor design



Height adjustment:
25–80 cm



Patient weight:
0–175 kg
(XL version: 0–290 kg)

The **Scintilla 2000** care bed combines exceptional user comfort with a wide range of functions to noticeably ease everyday care. Special technical features allow the bed to be transformed into a comfortable sitting position when required.

SCINTILLA 2000 care bed



XL version
available

Size: 90 x 200 cm (XL version: 110 x 220 cm)

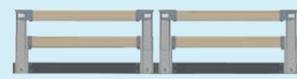
Special Features:

- Can be transformed into an armchair
- Trendelenburg (14° locked) and Anti-Trendelenburg function (14°) possible
- 10 button remote control with locking function
- Optional wheel cover

The care beds can be equipped with either full-length or separable **side rails**. The full-length side rails can be raised smoothly to their highest position with minimal effort. The separable versions feature an intermediate stop that can be used as a stand-up aid or as an orientation guide for the patient.



Full-length side rails



Separable side rails: 1/2 + 1/2



Separable side rails: 2/3 + 1/3

For the **head and footboard** of the bed, you can choose between a straight design and an elegant curved version.



Straight version
(Scintilla 1000/2000/XL)



Arch version
(Scintilla 1000/2000)

Technical specification	External dimensions	Optional bed extension	Intermediate stop	Adjustment of back section	Adjustment of thigh section	Adjustment of lower leg section	Trendelenburg	Anti-trendelenburg	Max. load	Max. patient weight	Net weight of the bed	Suitable for patient lifts	Optional wheel cover	Electrical connection
Scintilla 1000	103 x 207 cm	10 cm at head/footend	Not available	70°	30°	22°	Not available	Not available	225 kg	175 kg	115 kg	Yes	No	100–230 V AC
Scintilla 2000	103 x 207 cm	10 cm at head/footend	Standard	70°	30°	22°	14° locked	14°	225 kg (XL: 325 kg)	175 kg (XL: 290 kg)	125 kg	Yes	Yes	100–230 V AC

SCINTILLA 2500 comfort bed



Size: 90 x 200 cm
(XL version: 100/110/120 x 200 cm)

XL version available

Special Features:

- Single or double bed
- Not a care bed, but can be quickly converted into one if required
- Trendelenburg (14° locked) and Anti-Trendelenburg function (14°) possible
- 10 button remote control with locking function
- Wheel covers



Stable Y-scissor design



Height adjustment: 25–80 cm

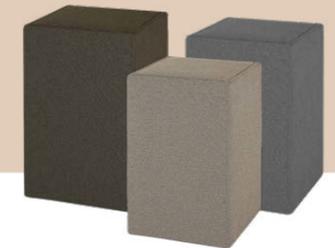


Patient weight: 0–175 kg
(XL version: 0–290 kg)

The **Scintilla 2500** comfort bed combines safety and stability with a design that blends harmoniously into any room. If required, it can be equipped with accessories from the Scintilla range and converted into a care bed. Its high level of user comfort and numerous functions make everyday life noticeably easier.

The fabric-covered headboards of the Scintilla 2500 are available for both single and double beds. With their soft, high-quality appearance, they enhance the bed's cosy, homelike character.

The fabric-covered stools with glass tops harmoniously complement the comfortable bed. They offer practical storage surface and blend seamlessly onto the overall design.



The Scintilla 2500 is available as standard in the following fabrics and colours. Additional fabrics and colour options are available on request.

Elite Fabric (synthetic leather, washable)



Black



Havana



Taupe

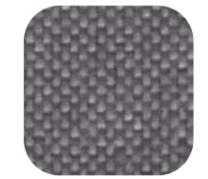
Jet Fabric



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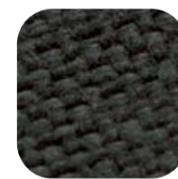


012



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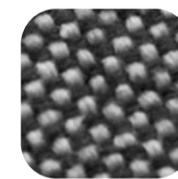
Maya Fabric



9805



9212



9803

The fabrics are characterised by their **colour fastness** and have been tested for **tear resistance** and **flame retardancy** in accordance with the Crib-5 standard.



No side rails



1/2 side rails



1/2 + 1/2 side rails



2/3 side rails



1/3 + 2/3 side rails

Technical specifications	External dimensions	Optional bed extension	Intermediate stop	Adjustment of back section	Adjustment of thigh section	Adjustment of lower leg section	Trendelenburg	Anti-trendelenburg	Max. load	Max. patient weight	Net weight of the bed	Suitable for patient lifts	Optional wheel cover	Electrical connection
Scintilla 2500	95 x 207 cm (XL: 102/113/123 x 207 cm)	10 cm at head/footend	Optional	70°	30°	22°	14° locked	14°	225 kg (XL: 325 kg)	175 kg (XL: 290 kg)	125 kg	Yes	Yes	100–230 V AC



Furniture for comfort care beds

To complete the interior, matching bedside tables and wardrobes can be selected for Scintilla 1000 and 2000 from three different wood colours.



Piemont Mokka Country Oak Beech



Dimensions: 100 x 200 x 60 cm

The **wardrobe** is lockable and has a lockable safe for secure storage of valuables.



Bedside table 1 is equipped with four wheels and can be positioned flexibly.

Dimensions: 48 x 48 x 74 cm



Bedside table 2 has a hydraulically tiltable platform, which can be used on both sides and is equipped with four wheels.

Dimensions: 53 x 46 x 87 cm

Accessories for comfort care beds

With the right accessories, all Scintilla beds can be optimally adapted to a wide range of individual requirements, making everyday care even more flexible.

The **comfortable lying surface with panel system** supports ergonomic positioning and significantly enhances lying comfort.

Trapeze bar and **stand-up bracket** encourage independent movement and make getting up easier. The trapeze bar is available in both an automatic and a manual version. The appropriate option can be selected depending on how frequently the handle height needs to be adjusted. The stand-up bracket is securely attached to the bed frame and moves in sync with the bed's backrest and height adjustment.

A **bedside lamp** and discreet **under-bed lighting** provide additional safety and orientation, especially when getting up at night. The bedside lamp can be easily inserted into the designated holder at the corner of the bed and can be flexibly rotated in any direction. The under-bed lighting is mounted beneath the bed and is automatically activated by a motion sensor.

This transforms the care bed into a place of enhanced comfort and safety.



Comfort lying surface



Trapeze bar



Stand-up bracket



Bedside lamp



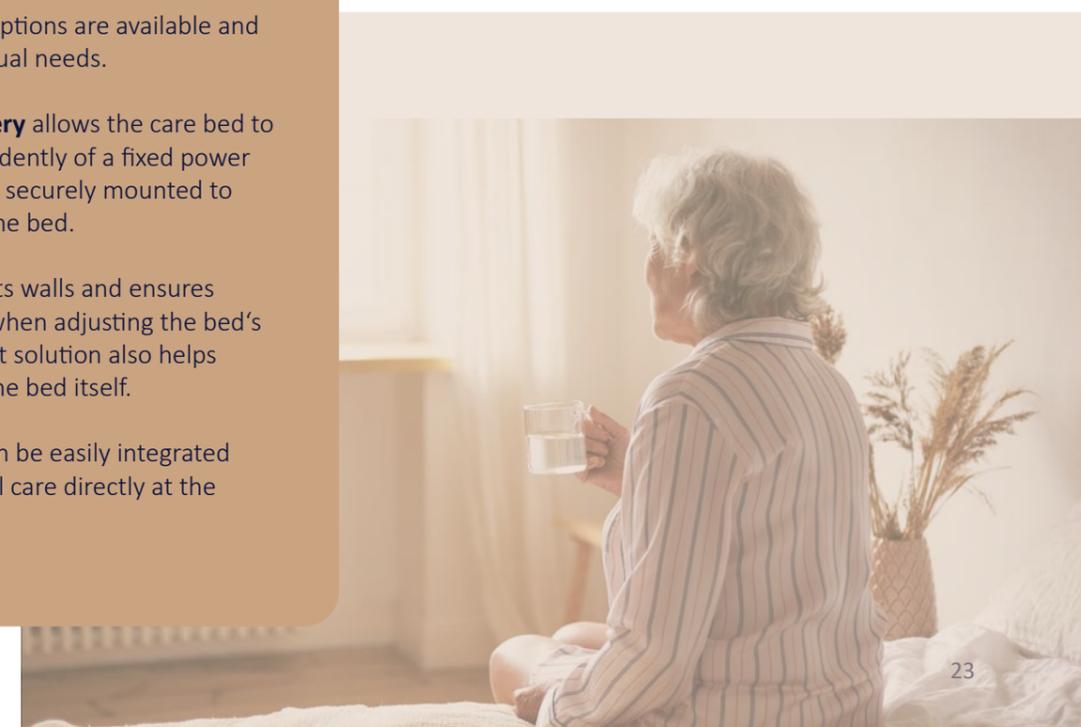
Underbed lighting

Additional practical options are available and be tailored to individual needs.

A **rechargeable battery** allows the care bed to be operated independently of a fixed power supply. The battery is securely mounted to the motor beneath the bed.

A **wall spacer** protects walls and ensures sufficient clearance when adjusting the bed's position. This discreet solution also helps prevent damage to the bed itself.

An **infusion stand** can be easily integrated and supports medical care directly at the bedside.





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