

# RotoBed®Free

Rotate Life Better

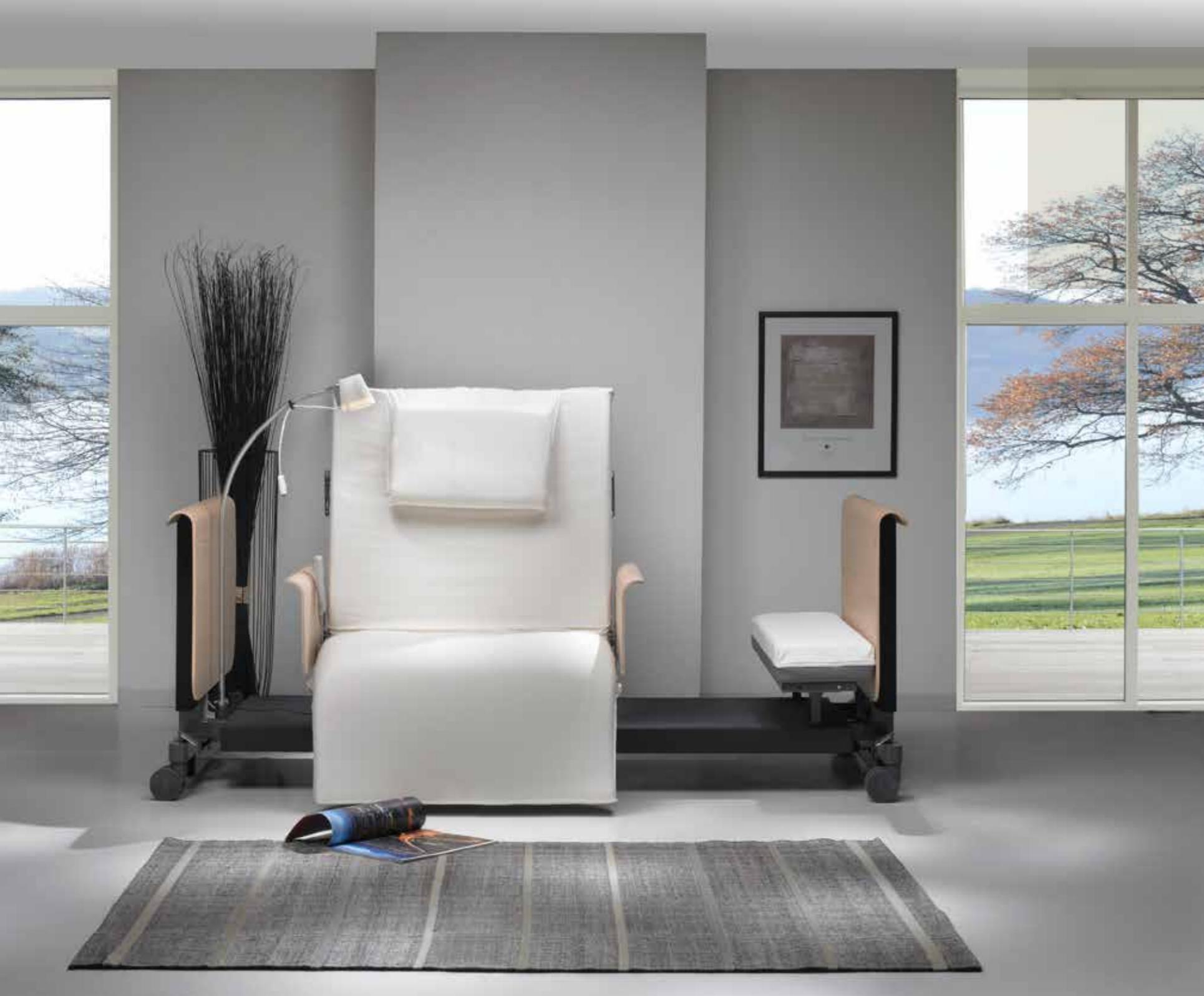




RotoBed® aims to deliver the world's best care beds. RotoBed®Free offers users and staff an increased quality of life, less pain and a better working environment.

RotoBed®Free is tested up to 225 kg, and with the possibility of extra low bed height down to 32 cm it is suitable for both overweight as tall or small users.

With a rotating RotoBed®Free, it takes less than one minute and just a push on a single button to go from lying to standing up. We call that good welfare technology.



# Hans Sandgren Jakobsen

RotoBed®Free is rewarded with the prestigious IF Design Award 2019 and was also a Danish Design 2019 finalist.

The harmonic design is created by Danish furniture designer Hans Sandgren Jakobsen. Overlooking the sea and sky from his studio at Grenaa Harbor, Hans Sandgren Jakobsen works on the basis of Scandinavian design.

Innovation, aesthetics and functionality are the three key words that Hans Sandgren Jakobsen himself emphasizes most during his design process.

This fully agrees with RotoBed® and our desire to provide care beds that increase the user's quality of life and at the same time appear like homely furniture.

Hans Sandgren Jakobsen has received numerous awards and prizes for his work, including the Red Dot Design Award, IF Design Award Gold, the Formland Prize and and most recently, for RotoBed®, the IF Design Award 2019 and the European Product Design Award 2020



# RotoBed® Free care bed with fully automatic rotation



- With a RotoBed® Free, people who have difficulty getting in and out of bed, are now able to do so with no physical effort.
- Just by a single touch of a remote control the bed is elevated to chair position and rotated perpendicularly towards the room.
- This facilitates both exit and transition to a wheelchair or stand-aid.
- The patient surface is 4-sectioned and provides optimal support.

- Besides the rotating function also height, back part and leg part are adjusted with the remote control.
- The rotating mechanism is both quiet and very comfortable for the user.
- Simple and comprehensive remote control.
- Several welfare technology surveys have shown that a RotoBed® enhances the user's level of mobility and quality of life, reduces workloads for staff and saves time / money.

# RotoBed® CASES



## How wonderfully easy it is

*Gitte Clausen, SSA.  
Transfer- and Technology Supervisor, Kolding.*

I attended a course in order to choose two devices to test in the municipality. We could see immediately that the RotoBed® was a good option. I had three expectations:

- The residents would become less dependent and have a better life with more dignity.
- Transfers would be easier for the staff with less physical strain.
- In many cases we would need only one caregiver instead of two.

All three are now reality and we are thrilled, as well as about other benefits. Putting on stockings, for instance. How wonderfully easy it is to just rotate the bed towards you instead of having to grab the side rail, place it on the floor, lean over the end of the bed to put on the patient's stockings, and finally pick up the rail and put it back in place.

The bed also gets the users involved. They participate much more compared to when we use lifts, master turners or similar, where they are mainly passive. In addition, it spares the staff from stressful postures.



## Postpones the need for home care services

*Lisbeth Buhl, Occupational Therapist at the Handicap Institute in Aabenraa.*

We have tested the RotoBed® bed as part of a project. The aim was primarily to discover if the bed could make a patient self-reliant to a degree that the need for assistance to get in and out of bed could be postponed or omitted altogether. We tested the bed with 11 patients who were close to a stage where home care services provided by the municipality would become necessary, and the results turned out very positive.

The risk of bedsores is reduced thanks to less twisting and pulling of the skin both at entry and exit, and in trying to find a good body position. The bed prevents falls, and people with osteoporosis have less pain and a lower risk of fractures thanks to fewer manipulations.

The patients involved suffer from chronic diseases such as Parkinson's and arthritis. They have a limited amount of energy and using it all on getting out of bed would be a shame. Most are elderly, and their spouses often lack the necessary physical strength to help out. With a fully automatic RotoBed® the couple gets a better opportunity to be husband and wife instead of disabled patient and helper. That way the spouses are also very pleased with the bed.



## The cost evens out quickly

*Helle Pedersen, 61 years old. Diagnosed with multiple sclerosis in 1999. Has a RotoBed® automatic.*

I have no strength left in my legs and I can no longer get out of bed on my own. My husband became hemiplegic after a stroke and can use only one hand, which makes it too hard for him to help me. If we were to have helpers in our bedroom at night, my husband would probably sleep in another room with consequences for our marriage.

The municipality first rejected my application for a RotoBed®. But I filed a complaint describing our everyday life, and how much help I would otherwise need. Then it was approved. The local government has a tendency to act as if disabled people don't have a life. My husband and I often go to the cinema or the theater and I refuse to go home whenever it fits the municipality to put me to bed. I want to stay independent.

For the municipality, the budget is often the most important issue and one must say that the cost of a RotoBed® quickly evens out when the bed replaces five daily visits from helpers.

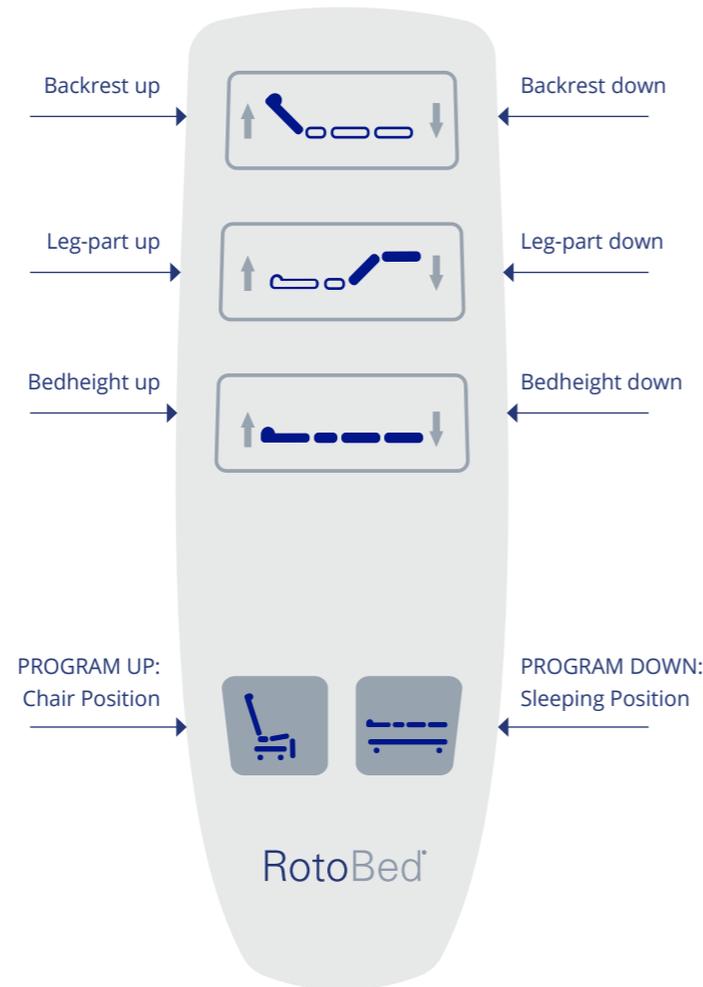
To me this bed means everything. I can go to bed whenever I like, get up whenever I like, and I avoid having a large number of caregivers rushing in and out of the house. To me, this means freedom.

# Simple and comprehensive remote control

Adjusting height, back-part, leg-part and comfort position of a RotoBed®Free is easy.

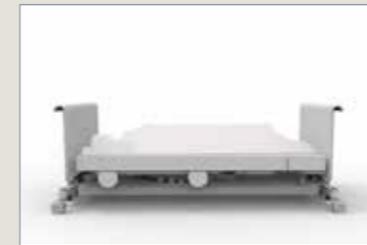
User-friendliness is high, with only few and intelligible keys on the remote control. The two buttons “Chair Position” and “Sleeping Position” control the entire bed’s rotation cycle.

It is also possible to store, using the remote control, your individual favorite settings for exit height, inclination of the backrest, as well as oblique or perpendicular exit.



# Intelligent height adjustment

A RotoBed®Free care bed offers safety during sleep, mobilization and care. The bed ranges in height from 32 cm to 82 cm. In order to offer each user the optimal exit position, the exit height can be adjusted and stored individually.



## Safe sleep

The possibility for extra low bed height 32 cm above the floor prevents falls.



## Optimal outing

Depending on the user's height and leg length, the bed's exit position can be adjusted individually.



## Perfect care height

With a maximum bed height of 82 cm, caregivers and relatives can perform care in a good working position.

# Welfare technology with care

In the park just outside our office, RotoBed® employees have views of both swans and breeding kingfishers.

The beautiful animals daily remind us of our responsibility to protect the environment and nature.

RotoBed® strives to use long-lasting materials that are sustainable and reusable. Our fabrics from the Danish

company Kvadrat are also manufactured with a focus on sustainability, as up to 78% of the fabric consists of recycled plastic bottles – without compromising on the fabric's features and beautiful finish.

When our beds leave the production, it also happens on pallets and with packaging that is either recyclable or degradable.



# Design your own RotoBed®



A RotoBed®Free is a harmoniously designed piece of furniture. If you wish to add your personal touch to the bed, the outside of the gables can be coated with quality fabric in different colours. Similarly, we have created a textile cover that emphasizes the design and conceals the bed's cables and technology parts.

The textiles are produced by the Danish company Kvadrat, which works purposefully with sustainability and has achieved a large number of environmental certificates in the EU and globally.

RotoBed® has chosen two fabrics made of 51 % and 78 % recycled plastic bottles, respectively. Both have obtained UL Greenguard certification. The textiles have a beautiful finish and are both durable and washable.



## Fabric colours



# Documented pressure ulcer prevention

## RotoBed®ErgoSleep – the basic mattress

2-layer quality mattress for all-round use and for prevention and treatment of pressure ulcers in stages 1-2. The top surface is cut into squares in different sizes to optimize the mattress's adaptation to the body, give optimal support and minimize shear-forces in the contact surface. Naturally produced without CFC and is CertiPur and OekoTex-100 certified.

**Recommended user weight 60 kg - 140 kg.**



## RotoBed®SafeSleep – the luxury mattress

4-layer quality mattress combining comfort and optimal pressure distribution. RotoBed®SafeSleep offers prevention and treatment of pressure ulcers in stages 1-3. The 4 layers each have characteristics that increase flexibility and airflow, reducing the shear effect. Naturally produced without CFC and is CertiPur and OekoTex-100 certified.

**Recommended user weight 40 kg - 120 kg.**



## RotoBed®BariaSleep – the bariatric mattress

4-layer quality mattress with foam layers especially designed to distribute the body weight evenly to avoid pressure points and minimize horizontal shear.

Naturally produced without CFC and is CertiPur and OekoTex-100 certified.

**Recommended user weight 120 kg – 190 kg.**



## RotoBed® ROHO® DRY FLOTATION

Decubitus, also known as pressure ulcers, can be very Painful and require prolonged treatment and care. Pressure ulcers arise where the skin is close to the bones, for example on the back, hips and heel, and are caused by prolonged pressure against the skin and the tissues just below.

A healthy person changes position up to 30 times in one night, but unconscious, paralyzed or weakened people are unable to do so and will develop pressure ulcers if prevention is not initiated.

### The perfect solution

All the RotoBed® mattresses prevent decubitus in different stages. For users at high risk we recommend the ROHO® DRY FLOTATION with proven efficacy in the prevention and treatment of pressure ulcers in all four stages.

This 2-layer quality mattress is custom-made for RotoBed®. The air cells in a ROHO® DRY FLOTATION mattress are made from soft and flexible neoprene. The linked cells provide a large contact surface and a constant, low hydrostatic pressure on both the skin and the deeper tissues.

This, and the low friction, allows the blood and lymphatic system in and under the skin to function unimpeded. Requires no use of electric pump. This makes transfers easier and saves user and staff of unpleasant noise, vibration and heat.

**User weight from 40 to 190 kg.**



# Technical info

Height range: ..... 32-82 cm  
Mattress width: ..... 85/100 cm  
Mattress length: ..... 205/215/225 cm  
Wood: ..... Oak veneer  
User weight: ..... max 190 kg  
Rated load: ..... 225 kg

## Weight indications:

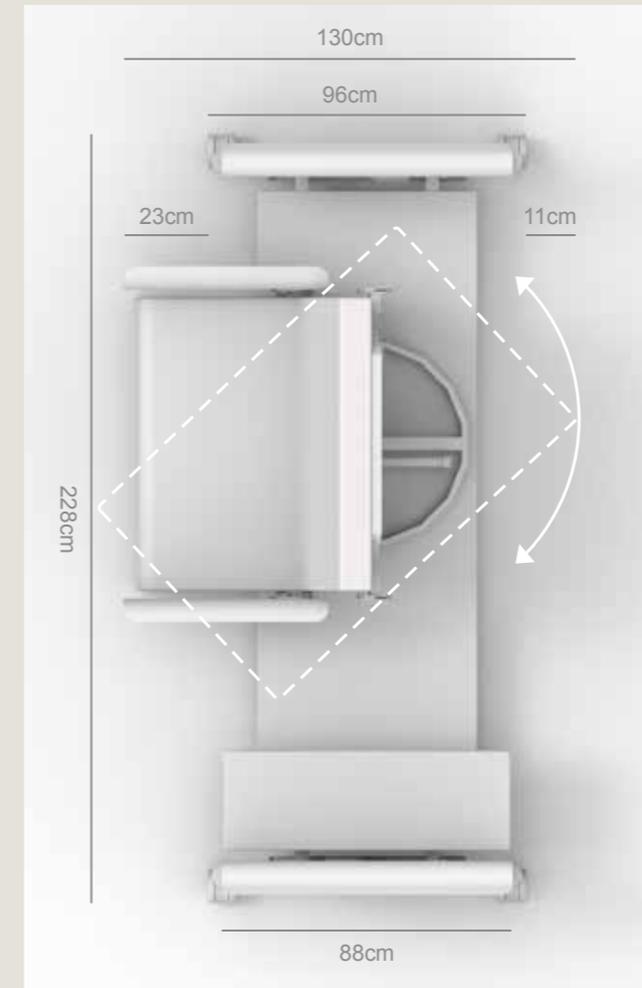
Headboard: ..... 39 kg  
Footboard: ..... 46 kg  
Frame: ..... 80 kg  
Total weight: ..... 165 kg

## Requirements and standards:

RotoBed®Free is CE approved and meet the latest European standards and requirements for care beds. International standard IEC 60601-2-52.

The beds withstand wash, approved according to standard IPX6W.

Motors and control box are developed in cooperation with Linak.



*RotoBed®Free bed can be divided into three parts, which simplifies transportation. 30 beds can be packed in a 40 foot container.*

# Accessories



**RotoBed®LED Lamp**  
Elegant lamp to be placed in the bed's built in holders, in either right or left side of the bed.



**RotoBed®Upholstery**  
Covers both bedrails. Material: Quality fabric from Danish Kvadrat, made of 51% recycled plastic. Washable at 60°C.



**RotoBed®Bedside Table**  
Oak veneer. Swiveling, mounted on either side of the bed. Diameter 30 cm. Inner height: 5 cm. Design: Hans Sandgren Jakobsen



**RotoBed®Pillow**  
Pillow in thermos-elastic foam, width 80 cm.

**RotoBed®Pillowcase**  
Made of soft cotton jersey, attachable at backrest. Washable at 60°C.



**RotoBed®Protection Cover**  
Mattress cover made of supple, stretchable foil. Semi-impermeable, washable at 60°C. The top can be zipped off separately for washing.



**RotoBed®Bedrails, long, metal**  
Provides good support when getting in and out of bed.



**RotoBed®Bedrails, long, oak veneer**  
Provides good support when getting in and out of bed.



**RotoBed®Bedrails, short, metal**  
Provides good support in connection with transfers in bed.



**RotoBed®Bedrails, short, oak veneer**  
Provides good support in connection with transfers in bed.



**RotoBed®Underbed Light**  
Two soft spotlights will turn on whenever the RotoBed® is rotated towards exit position. When the bed is rotated back, lights will go out.



**RotoBed®Light Package**  
When RotoBed®Home rotates, a soft light under the bed will turn on – as well as any lamp you choose in the room. When the bed is rotated back, lights go out. The external lamp is connected to the system by a plug.



**RotoBed®Lifting Pole**  
Including handle with seat belt. To be placed in the bed's built in holders, in either right or left side of the bed.



**RotoBed®Sheets**  
Sheets made of soft cotton jersey. Set consisting of a sheet for both main mattress and foot mattress. Washable at 60°C.



**RotoBed®RotoSlide**  
A slide sheet designed for people with difficulty turning over in bed.

**RotoBed®RotoSlide 2way**  
Sliding sheet facilitating sideways transfers in the bed. Slides in two directions. Use in combination with RotoBed®RotoSlide.



**RotoBed®RotoTurn**  
Sliding and turning system with integrated locking function. Specially adapted to RotoBed® rotative beds.



**RotoBed®Battery Backup**  
Lithium battery from LINAK. Covers approximately 10 x cycle without power.



**RotoBed®Trolley**  
Enables manual elevation of the RotoBed® to vertical position. CE marked and approved by the Danish Technological Institute.



**RotoBed®RotoLift®**  
Elevates RotoBed® to vertical position with no physical exertion. To be used in combination with RotoBed®Trolley. CE marked and approved by the Danish Technological Institute.



## Contact us to learn more

RotoBed® delivers the unique rotating beds RotoBed®Free and RotoBed®Home to large parts of the world.

We value high quality and service and we have extensive experience in tailoring welfare technology solutions for municipalities, institutions and individuals.

RotoBed® rotative beds are produced with a strong focus on sustainability and recyclable materials.

For an appointment or more information, please do not hesitate to contact us.

# RotoBed®

Rotate Life Better

Tel. : +45 75 50 50 25  
Mail : [info@rotobed.com](mailto:info@rotobed.com)

[www.rotobed.com](http://www.rotobed.com)  
[facebook.com/rotobed](https://facebook.com/rotobed)  
[instagram.com/rotobed.international](https://instagram.com/rotobed.international)



*In 2019, RotoBed® was finalist in Danish Design Award and received the prestigious IF Design Award. In 2020, RotoBed® was a Topwinner in the European Product Design Award.*