

**Experts in restorative sleep for patients  
in any setting -  
healthcare facilities or at home**

**Thevo – Mobility Beds**



# Thomashilfen

## Sleep specialist in rehab & care

94.17% less back pain and 96.52% improved quality of sleep. The result of Europe's largest sleep test with more than 75,000 participants. This shows that you can have confidence in the excellent and effective Thevo Mobility Beds from Thomashilfen. Organized and conducted by the sleep specialists of the Thomas group of companies, experts from all fields collaborated on the newest developments to help people get a healthy, restorative sleep.



### 60 years of experience

ensure our position as an internationally renowned specialist in sleep



### Studies

confirm the positive effect of mobility beds



### Research

the in-house "sleep archive" and nursing scientists monitor and record sleep experiences providing the basis of the research

#### 1. [Mobility beds]

*Therapeutic beds, stimulate the body to improve recovery, well-being, and quality of sleep due to their unique, patented constructions.*



## Technologies

modern fiber composite materials are investigated and implemented in mobility beds



## Professional care

believes in mobility beds. These recognized care communities are certified on [www.thevo-liste.de](http://www.thevo-liste.de) in Germany.



## All over the world

people rely on our innovation to improve their quality of life

# All over the world we stand for highest quality!



# Thevo Mobility Beds keep your brain fit!

The Thevo Mobility Beds automatically convey the slightest movement of the person - even breathing - into micro-sized counter movements. This MiS Micro-Stimulation<sup>®</sup> provides the patient with improved body perception, promotes blood flow, and supports mobility – keys to restorative sleep. This is especially important for patients with advanced age, and those with special needs.



## World patent

2938215, 3105827, 2010/001264

6718575, 202005011767.6

1898750, 11/915192

0926970, 103046

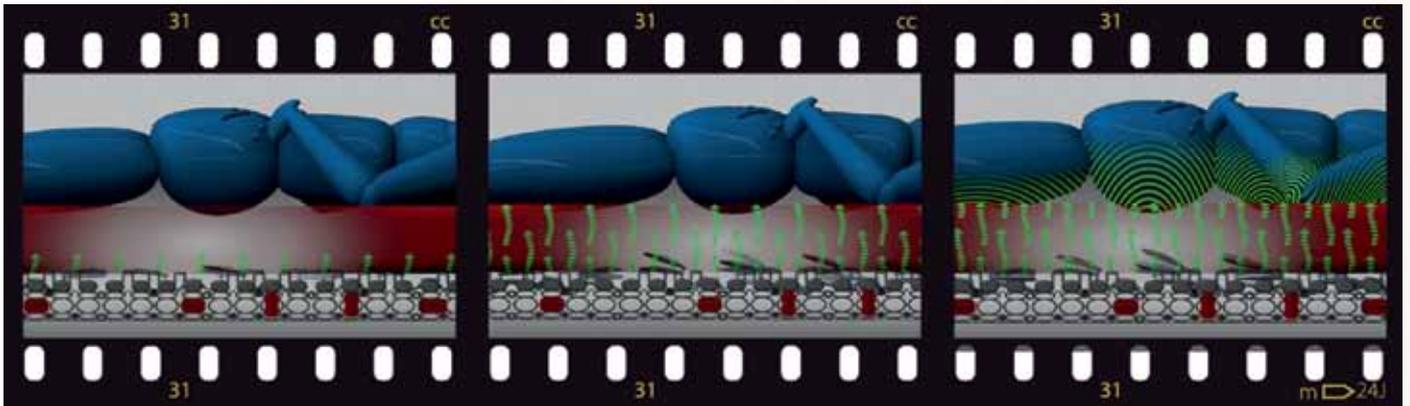
0733325, 1021881

3792729, 6256815



### **1. [Mobility beds]**

*Therapeutic beds, stimulate the body to improve recovery, well-being, and quality of sleep due to their unique, patented constructions.*



The active principle of MiS Micro-Stimulation®



## **The mattress cannot do it alone:**

The difference is the suspension framework of the Thevo Mobility Bed. The unique technology of the integrated MiS Micro-Stimulation® is the key to better sleep!

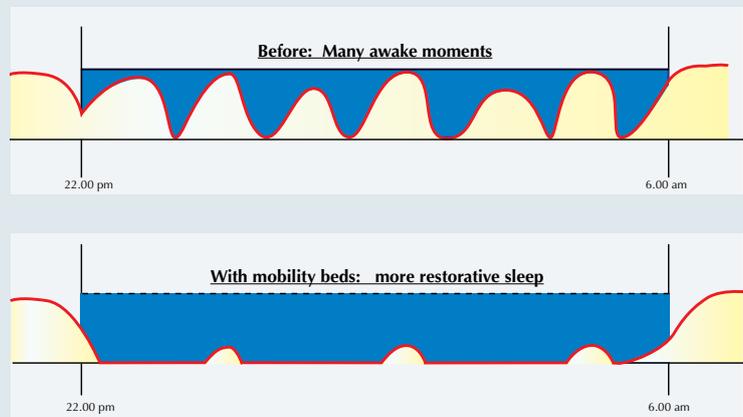
# Breaking the vicious cycle:

## Finally sleeping through the night – despite dementia

67% of patients with dementia suffer from sleep disturbances affecting both patient and caregivers. Sleep aid medications often become ineffective, and are not a long-term solution.



### The Thevo-Effect



*“As her dementia progressed, my wife simply couldn’t rest anymore at night. I was very concerned. I too was getting far too little sleep and reached the end of my rope. Thanks to the dementia care mattress, ThevoVital, we are back to enjoying our days again.”*

### Documented experience reports:

Two out of three patients with dementia showed a great improvement in their sleep patterns- [www.thevo.info](http://www.thevo.info)



## Improved sleep with the Dementia Mattress

- ✓ Less night time wandering
- ✓ Less napping during the day
- ✓ Less disorientation
- ✓ Decreased need for sleep aid medications
- ✓ Peace of mind for caregivers

**The report shows results compiled by the IGAP Institute:**

Approximately two out of three persons with dementia showed an

**67%** ✓

Improved sleep behavior

Two thirds of persons affected and caregiving staff recommend ThevoVital!

### Wing suspensions

adapt individually to the body zones, MiS Micro-Stimulation® improves body perception



### Mattress

firm density foam provides a secure feeling when lying

### Dementia suspension

firm sensation of lying → good orientation

is optimally tailored to the sleep and lying needs of persons with dementia



# Quality of life – despite Parkinson's:

## Spending the day in a relaxed and structured way

*The diagnosis often is unexpected, and has an immediate effect on a person's daily life. Besides the muscle tension typical of the illness, extreme fatigue decreases a person's quality of life. Many activities of everyday life become difficult.*



*„Because of my poor sleep at night I was tired the whole day. I could hardly make it through the day. It was awesome for me to discover how relaxing a long, healthy sleep is!*

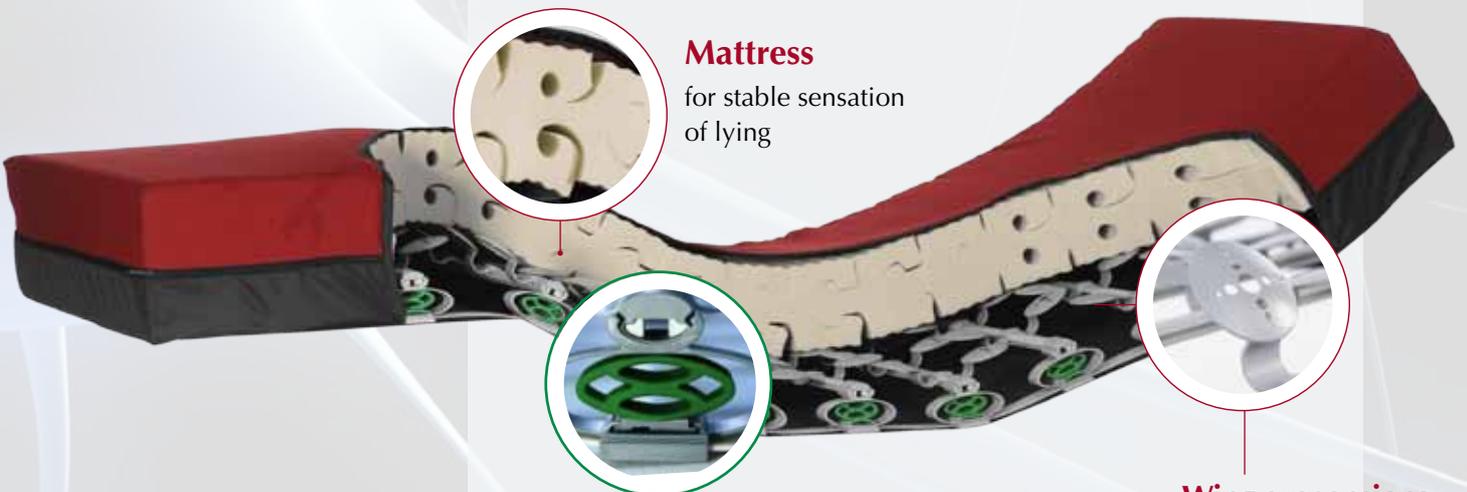
*And this without needing any additional medication and the associated harmful side effects.”*

## Improved sleep with the Parkinson's Mattress

- ✓ MiS Micro-Stimulation® relaxes muscles
- ✓ Tiny movements maintain mobility
- ✓ Decrease night sweats
- ✓ Easier to sit up and change positions

### Mattress

for stable sensation of lying



### Wing suspensions

provide tiny impulses to maintain and support mobility of people with Parkinson's

### Parkinson's suspension

very firm sensation of lying → more stability

is optimally tailored to the sleep and lying demands of people with Parkinson's



## Pain Therapy

### Lasting pain relief during the night

*A horror story that is repeated every night: After just a few hours, pain becomes rife. Falling back to sleep is out of the question. Awakened in the middle of the night, the person enters a cycle of pain and sleeplessness.*

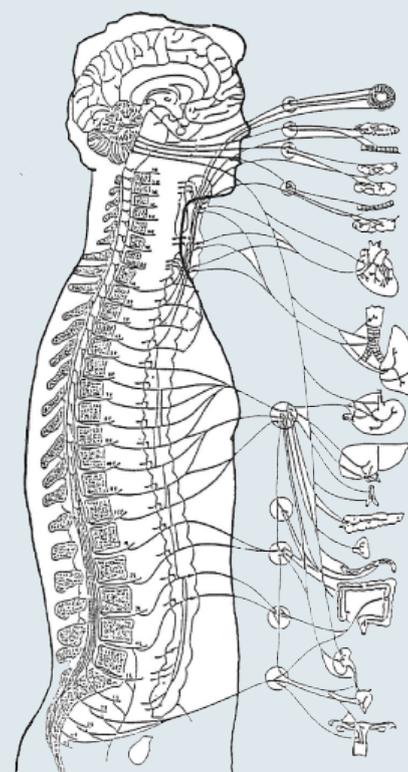


#### Fields of application:

No matter what causes the pain

- **arthrosis**
- **osteoporosis**
- **cancer**
- **injury**

ThevoRelief provides pain-relieving positioning and gentle stimulation of the nerve tracts, the basis for restorative sleep.



autonomic nervous system

***“The anti-pain mattress, ThevoRelief, supports and soothes my aching body parts and improves my well-being. I sleep longer and better. Finally I am able to bear the pain.”***

## Improved sleep for well-being with the Pain Mattress

- ✓ MiS Micro-Stimulation® gently stimulates the nerve tracts
- ✓ Optimum back support
- ✓ Relieves body aches and painful lying
- ✓ Improved microclimate



### Wing suspensions

adapts to body contours, relieving pressure

### Mattress

For maximum patient comfort

### Pain suspension

very soft sensation of lying → pain relief

is optimally tailored to the sleep and lying demands of people suffering from pain



# Professional Care-Mattress

*A simple foam mattress does not meet professional standards for optimal care.*

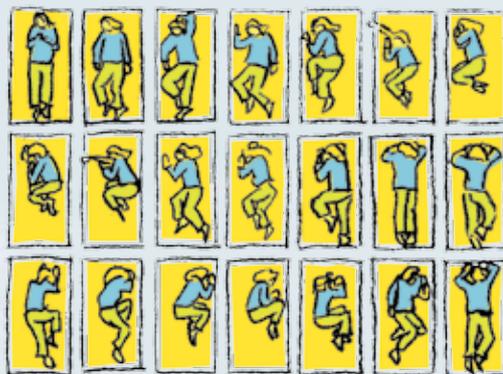
*ThevoCare stands out with its unique Micro-Stimulation underframe and superior grade foam.*

*Nursing professionals appreciate the risk-minimizing features of ThevoCare, even pressure ulcer prevention, and its durability is guaranteed!*

*Finally, there is a professional mattress for use at home.*

*I am confident that ThevoCare is the best mattress for restorative sleep.*

*It will keep me independent and mobile for a long time.*



#### **Sleep phases**

*Normal sleep positioning changes: ranges from 40 - 60 times per night*

## Improved sleep with the Professional Care Mattress

- ✓ MiS Micro-Stimulation® maintains mobility
- ✓ Minimizes nursing requirements
- ✓ Contoured to support body movements
- ✓ Prevents pressure ulcers

### Cover

breathable and easy to clean



### Mattress

the slight wave structure provides superior comfort and a good microclimate



### Wing suspensions

Embedded in the mattress to provide maximum comfort using MiS Micro-Stimulation®.



# Pressure Ulcer **Mattress**

Many individuals in need of care suffer from pressure ulcers. Conventional positioning systems are either too hard or too soft for the patients, causing skin irritation to develop into pressure ulcers.



Stage 1



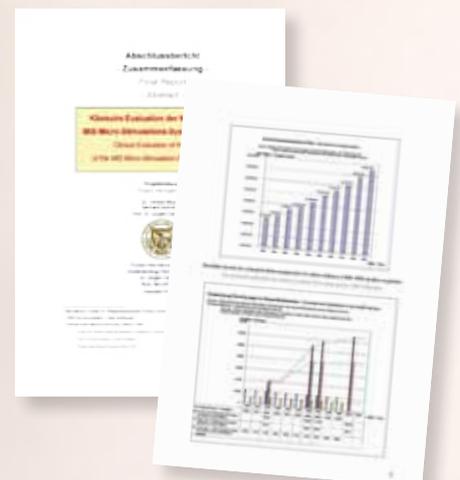
Stage 2



Stage 3



*“Actually it is very simple. Besides careful positioning of the patient, the Pressure Ulcer Mattress with MiS Micro-Stimulation® is a good way to prevent pressure ulcers.”*



## Professional care with the Pressure Ulcer Mattress

- ✓ **MiS Micro-Stimulation®** maintains natural movement
- ✓ **Pressure ulcer prevention and treatment** (up to and including stage III acc. EPUAP/NPUAP)
- ✓ **Pressure-relieving stimulation without electricity**
- ✓ **Reduced care efforts**
- ✓ **No maintenance**

### Mattress

Special air channels in the mattress layers provide for maximum comfort and optimum ventilation of the skin.



### Wing suspensions

Supports the tiniest movements



### Flexible side element

fits every hospital or twin bed frame

### Pressure ulcer suspension

soft sensation of lying → optimum pressure relief

Optimum pressure relief is specifically tailored for each individual for maximum pressure relief



# Pressure Ulcer Active Mattress

*Once a pressure ulcer is present, pain management becomes a priority due to the degrees of pain a patient then experiences. People needing a high degree of care often have great pain caused by the pressure of their movement limitations. These individuals need additional movement impulses.*



***“We use ThevoActiv for the prevention and treatment up to and including stage IV. Our successes do reflect the results of numerous clinical trials and scientific studies, too.”***



Stage 1



Stage 2



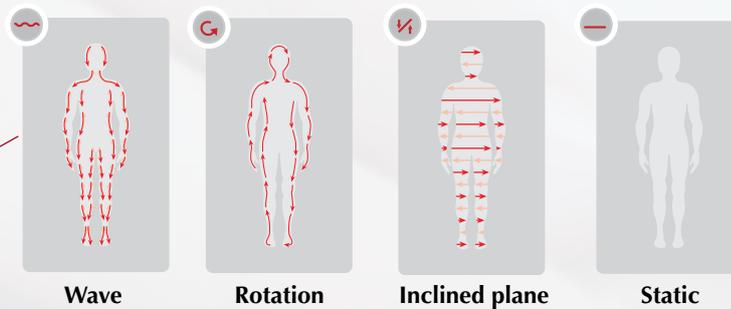
Stage 3



Stage 4

## Professional care with the Pressure Ulcer Active Mattress

- ✓ MiS Micro-Stimulation® supports mobility
- ✓ Suitable for patients at **high risk** and **coma** patients
- ✓ Reduces spasticity and contractures



### Active movements

a simple menu selection offers a variety of movement programs. This provides stimulation individually adapted to the patient, without disturbing noises!



### Wing suspensions

transfer active movements to the patient



# Wheelchair User Mattress

*Wheelchair users need a mattress that relieves pressure but still provides a firm base to facilitate transfers. The Wheelchair User Mattress combines both characteristics.*



*“Lying in bed for more than a short period of time was painful for me. Now, the Wheelchair User mattress supports my movements with MiS Micro-Stimulation®. I sleep better again and actively start my day.”*

## Improved sleep with the Wheelchair User Mattress

- ✓ Relieves pressure
- ✓ Reduces muscle spasms
- ✓ Adapts to the spinal column
- ✓ Controls pain
- ✓ Eases transfers

### Mattress

functional ergonomics for relaxed and comfortable sensation of lying

### Edge layer

facilitates transfers and provides the person with adequate hold and stability

### Suspension element

extra soft - pressure relief of the lower part of the body

### Wheelchair user suspension

firm sensation of lying → relieves spinal column

relieves the spinal column and is specifically designed for maximum comfort for wheelchair users.

Stimulating



Back-saving

Transfer aid



## Bed time - often a nightmare

Many children with special needs have sleep disorders or disturbances, affecting parents and other family members. These disorders include; issues with falling asleep and staying asleep, restlessness during sleep, as well as disorientation upon awakening. Sleep disorders affect a child's natural growth and development.



***“I was at the end of my rope and burned out emotionally. Nothing really helped.***

***I am so glad that thanks to her SleepingStar my daughter is more refreshed and relaxed.”***



## Improved sleep with the Sensory Support Mattress

- ✓ MiS Micro-Stimulation® supports mobility
- ✓ Improves body perception
- ✓ Reduces spasms and pain
- ✓ Calms the child for restorative sleep

### Cover

removable and easy to clean for optimal hygiene

### Wing suspensions

have a positive influence on the children's restless sleep by providing tiny movement impulses

### Mattress

is especially tailored to the needs of children with special needs to provide comfortable sensation of lying

### Positioning suspension

soft sensation of lying → extended sleep phases

is optimally tailored to the sleep and lying requirements of children with special needs



# Children with severe motor limitations **need additional movement impulses**

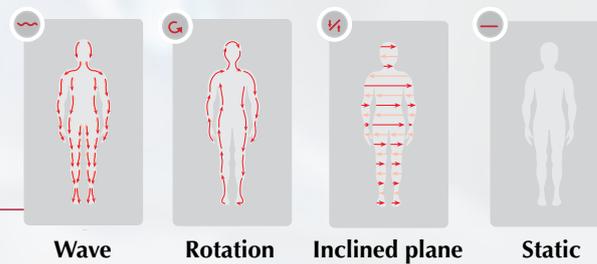
*Severely immobile children or children in coma vigil need additional movement impulses. A balanced ratio between relaxation and movement provides restorative sleep. In addition, risk of pressure ulcers is minimized.*

A photograph of a woman with dark hair and a young girl with long brown hair, both smiling warmly. The woman is leaning her head against the girl's head. They are in a hospital setting, with a white bed and pillows visible in the background.

*“We came to appreciate the Active SleepingStar in the Children’s Hospital first. Now, we have it at home, as well. All of us are doing much better now.”*

## Improved sleep with the Sensory Support Active Mattress

- ✓ Reduces pressure
- ✓ Reduces pain and spasms
- ✓ Provides extra movement impulses
- ✓ Improves quality of sleep



### Active movements

a simple menu selection offers a variety of movement programs. This provides stimulation individually adapted to the child, without disturbing noises



### Wing suspensions

take in micro motions and return them to the child

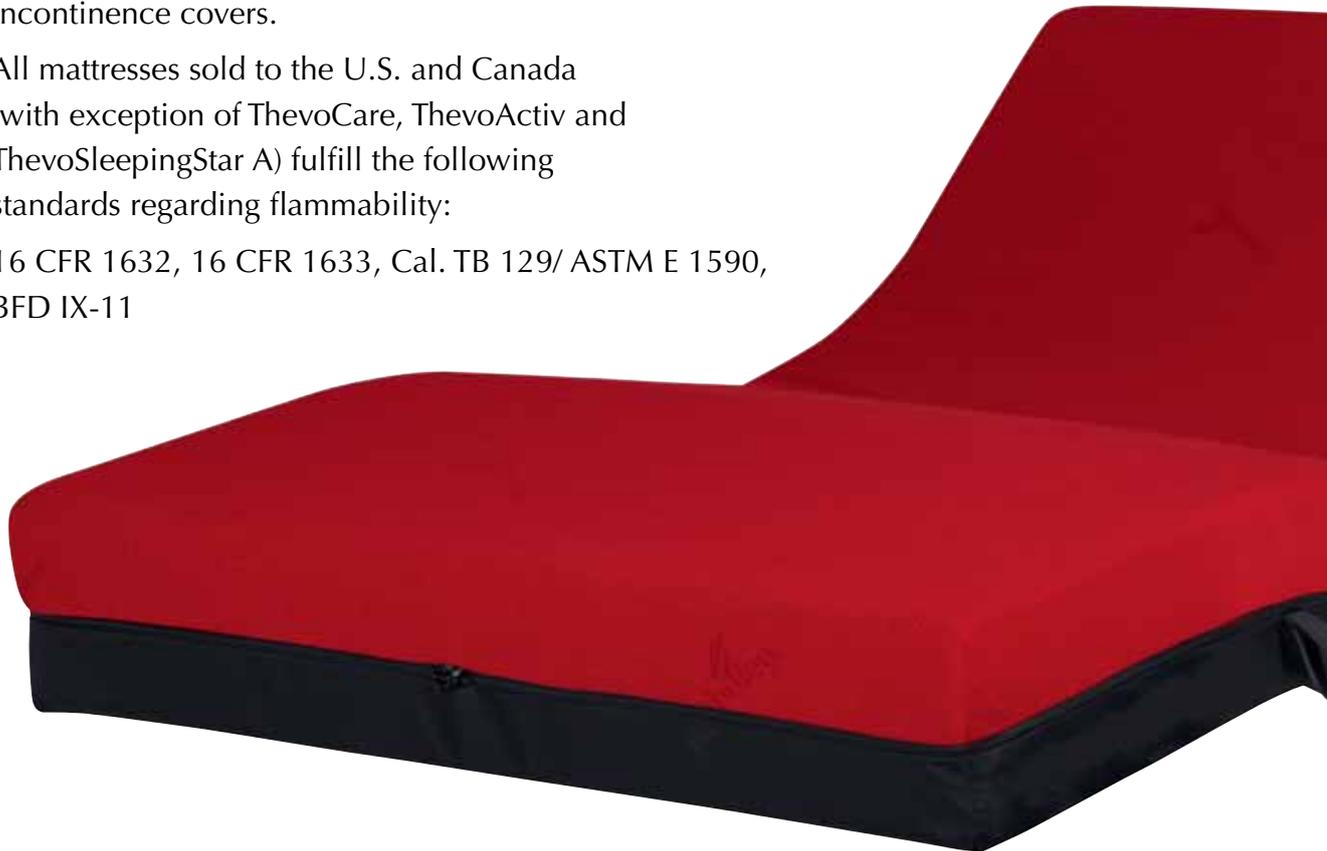


# It is your choice!

Thevo Mobility Beds are available with jersey or incontinence covers.

All mattresses sold to the U.S. and Canada (with exception of ThevoCare, ThevoActiv and ThevoSleepingStar A) fulfill the following standards regarding flammability:

16 CFR 1632, 16 CFR 1633, Cal. TB 129/ ASTM E 1590, BFD IX-11



## Sizes: Thevo Mobility Beds for adults

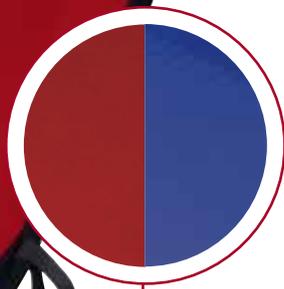
- **ThevoVital** • **ThevoCalm** • **ThevoRelief** • **ThevoCare**
- **ThevoFlex** • **ThevoautoActiv** • **ThevoActiv**

Thevo Mobility Beds are available from a width of 80 to 120 cm\* / 31.5 to 47.2"\* and a length of 180 to 220 cm / 70.9 to 86.6".

Questions? Contact us, we are happy to help!

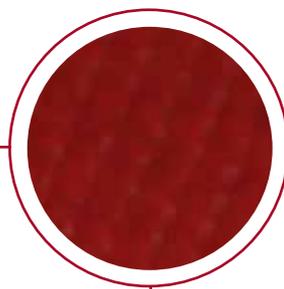
*\*The maximum width of the Mobility Bed ThevoActiv is 100 cm / 39.4".*





**Features:**  
**Incontinence cover**

- breathable
- clean easily by wiping with disinfectant



**Features: Jersey cover**

- breathable microclimate

**Shared features:**

- sewn zipper
- washable at 65°C / 149°F
- tumble dry
- autoclavable
- suitable for re-use

## Sizes: Thevo Mobility Beds for children

- **ThevoSleepingStar** • **ThevoSleepingStar A**

Thevo Mobility Beds for children are available from a width of 60 to 120 cm\* / 23.6 to 47.2"\* and a length of 120 to 220 cm / 47.2 to 86.6".

Questions? Contact us, we are happy to help!

*\*The maximum width of the Mobility Bed ThevoSleepingStar A is 100 cm / 39.4".*

**Product name and maximum weight of the person**

|  | Underframe |     | Characteristics of underframe suspension  |      |   |        |   |   |
|--|------------|-----|---|------|---|--------|---|---|
|  |            |     | <br>Suspension element |      | <br>Suspension block |        | <br>spring limiter |   |
|  | with       | w/o | medium  | soft | firm  | medium | soft  |   |
| <b>ThevoVital</b> 80 kg / 176,4 lbs        | X          |     | X   |      | X   |        |   |   |
| <b>ThevoVital</b> 140 kg / 308,6 lbs       | X          |     | X   |      | X   |        |   |   |
| <b>ThevoCalm</b> 80 kg / 176,4 lbs         | X          |     | X   |      |   | X      |   | X |
| <b>ThevoCalm</b> 140 kg / 308,6 lbs        | X          |     | X   |      |   | X      |   | X |
| <b>ThevoRelief</b> 50 kg / 110,2 lbs       | X          |     |   | X    |   |        | X   |   |
| <b>ThevoRelief</b> 100 kg / 220,5 lbs      | X          |     |   | X    |   |        | X   |   |
| <b>ThevoRelief</b> 135 kg / 297,6 lbs      | X          |     |   | X    |   |        | X   |   |
| <b>ThevoCare</b> 50 kg / 110,2 lbs         |            | X   |   |      |   |        |   |   |
| <b>ThevoCare</b> 100 kg / 220,5 lbs        |            | X   |   |      |   |        |   |   |
| <b>ThevoCare</b> 135 kg / 297,6 lbs        |            | X   |   |      |   |        |   |   |
| <b>ThevoautoActiv</b> 50 kg / 110,2 lbs    | X          |     |   | X    |   | X      |   | X |
| <b>ThevoautoActiv</b> 100 kg / 220,5 lbs   | X          |     | X   |      |   | X      |   | X |
| <b>ThevoautoActiv</b> 135 kg / 297,6 lbs   | X          |     | X   |      |   | X      |   | X |
| <b>ThevoActiv</b> 50 kg / 110,2 lbs        | X          |     |   |      |   |        |   |   |
| <b>ThevoActiv</b> 100 kg / 220,5 lbs       | X          |     |   |      |   |        |   |   |
| <b>ThevoActiv</b> 135 kg / 297,6 lbs       | X          |     |   |      |   |        |   |   |
| <b>ThevoFlex</b> 80 kg // 176,4 lbs        | X          |     |   | X    | X*  |        |   |   |
| <b>ThevoFlex</b> 140 kg / 308,6 lbs        | X          |     |   | X    | X*  |        |   |   |
| <b>ThevoSleepingStar</b> 60 kg / 123,3 lbs | X          |     |   | X    |   |        | X   | X |
| <b>ThevoSleepingStar A</b> 60 kg/123,3 lbs | X          |     |   |      |   |        |   |   |

\* Suspension blocks are used in the area of the upper body only to optimize mobility.

Different arrangements of the spring limiters provide optimum lying comfort to meet the specific requirements of clinical pictures related to the products





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