

# SOLUTIONS FOR HOSPITAL BEDS, CARE BEDS AND STRETCHERS QUIET, SAFE AND EFFICIENT



**TENTE**

BETTER MOBILITY. BETTER LIFE.



# MOBILITY SOLUTIONS FROM THE WORLD MARKET LEADER

Clinics and hospitals are a place of calmness and recovery. With our low-noise solutions, we help patients feel comfortable and can recover. At the same time, our products ensure safe and ergonomic work for nursing staff.

This is exactly why we have launched a groundbreaking mobility solution together with LINAK®: WeAssist™. The joint development makes pushing and manoeuvring hospital beds noticeably easier – as if there were always a second person to support them. In this way, WeAssist relieves the burden on nurses and improves working conditions.

As the world market leader in the segment of hospital beds and medical furniture, we continue to set new standards. But which solution is best for you? With more than 100 years of experience, we have been supporting you in finding the optimal castors and wheels for your application. Hence quality and cost efficiency play a fundamental role in healthcare, we guarantee you consistently high quality at competitive costs with the degree of automation of our production. In addition, you can always rely on us to always meet all standards and also consistently comply with your company's regulations. The result: Pioneering mobility solutions that have no compromises in terms of proven usability, ergonomics and safety.

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### NURSES AT A GLANCE

No question: Nurses do incredible things every day. However, they face enormous challenges. With WeAssist, they receive a mobility solution that makes patient transport easier – and supports them in almost every driving manoeuvre. The system thus protects the body's apparatus and saves the nurses a lot of strength, effort and time.

### FOCUS ON WORKING CONDITIONS

WeAssist is also a valuable help for hospital management. Because: The system relieves the strain on the nursing team and creates more attractive working conditions. At the same time, it helps to reduce sick leave and speed up processes. Another advantage: Many existing bed systems can be retrofitted cost-effectively with the WeAssist upgrade version.

Get more information about the WeAssist system now at [WeAssist.com](https://www.weassist.com).



*'The hospital system is constantly in the tension between high-quality patient care and financial constraints. It is an eternal struggle to find the means to provide both state-of-the-art medical technology and the best possible care.'*

#### SIMPLY MORE SAVINGS

Cost pressure, work consolidation, demographic change, increasing patient numbers, lack of specialists and increased sick leave: Today, hospital management is facing major challenges.

WeAssist builds on each of these points and saves the hospital team strength, effort, time and costs.

#### A CHAIN OF POSITIVE EFFECTS

The system relieves the burden on nurses and thus also the entire hospital operation. Thanks to the support of WeAssist, the bed can be pushed by only one person during patient transport. This makes staff planning more efficient. Physical stress is reduced, working conditions improved and labour satisfaction increased.

In short: WeAssist helps to create an attractive working environment, increase productivity and reduce sick leave.

## THE WEASSIST™ SYSTEM

The principle of WeAssist™ is comparable to an e-bike: The nurse performs the movement – and the mobility solution provides the necessary support for patient transport.

#### SIMPLY LESS LOAD

A hospital bed is heavy. Very heavy. It takes a lot of effort to move the bed from A to B – especially if you don't have anyone to help.

Official bodies therefore recommend that hospital beds be handled in pairs. However, this option is rarely given these days. WeAssist therefore basically takes on the role of the second person.

#### HOW IT WORKS

The nurse turns the system on and simply pushes it off. The pressure she exerts with her hands is immediately registered by the mobility solution. An intelligent algorithm of the control unit interprets the pulses and forwards them to the Integral assist castor. The system then ensures exactly the support required in the respective driving situation. This makes patient transport noticeably easier.



*'It was so much lighter and so much more pleasant because the castor immediately understood what I wanted. I'm really excited.'*  
Jana Lück, nurse

#### SIMPLE INSTALLATION AND OPERATION

WeAssist is quick and easy to install and the operation is completely intuitive. After successful installation, turn on the system and drive off immediately. Training or instruction is not necessary, so costs can also be saved here.



The WeAssisten system consists of the following components:

<b>TENTE</b>	
Integral assist	1x Integral electric conductive 2x Integral
	
<b>1</b> Intelligent castor	<b>Optional selectable for Integral assist:</b>
<b>LINAK</b>	
	
<b>2</b> Control unit	<b>3</b> Battery

Get more information about WeAssist system under: [WeAssist.com](http://WeAssist.com)



A powerful alliance



# SIMPLY LESS COMPLEXITY



## LINAK® battery

The LINAK Li-Ion battery has a built-in charger. The battery snaps on and off for easy installation and removal. And it is stackable for higher capacity.



## LINAK® control unit

The LINAK control unit, featuring smart software, is available in various power levels, providing a wide range of features.



## TENTE® Integral assist

One of the four castors is a TENTE® Integral assist with intuitive drive assistance. The diameter is 150 mm, and it features central total and directional lock.



## TENTE® Integral

In addition to one TENTE Integral assist, the solution requires three TENTE Integral castors. These castors feature central locking and are recognised for their durability and TÜV Süd certification.

***“For the operation of WeAssist no training is required to operate. You just get started.”***

## MANOEVRING: SIMPLE

Pushing a bed with WeAssist is completely intuitive. No training. No instructions. No buttons. You simply stand by the bed and push to start. You save not only time and effort, but also frustrations.

## INTERACTION: PERFECT

The intuitive operation is made possible by the interaction between the LINAK control unit and the TENTE Integral assist castor.

The two key components of the system are perfectly coordinated and run silently in the background. Or rather, under the hospital bed. The WeAssist system does not stand out but blends in perfectly with the look of any bed.

## HOW IT WORKS: CLEVER

The smart software in the LINAK control unit detects and interprets what you want to do and forwards the corresponding signals to the Integral assist castor.

The mobility solution receives the signals and immediately provides the necessary assistance for the intended driving manoeuvre.

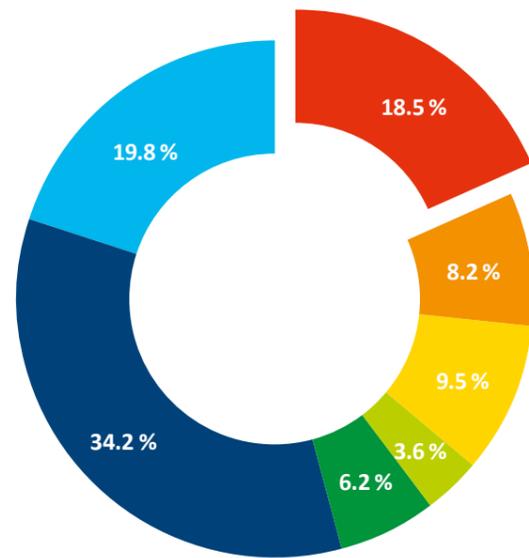
## SUPPORT: HAPPY!

Do you have any questions about the design or how the WeAssist system works? We would love to assist you. Simply contact us to get support from our experts: **[WeAssist.com/en/contact](https://www.linak.com/en/contact)**

# HEALTHCARE AND INCREASED PRODUCTIVITY

About a quarter of all sick days of nursing staff is due to musculoskeletal complaints. Especially in the medical sector, heavy equipment, stretchers and patients often have to be moved. This is why physical ergonomics is of central importance to the manufacturers of medical equipment.

More precisely: the interaction between anatomy or physiology and physical activity in everyday work. Focusing on smooth mobility, ergonomic design and motorised equipment relieves the burden on nursing staff, supports preventive healthcare and measurably increases productivity in the medical workplace.



## CAUSES OF SICK DAYS

- Musculoskeletal and tissue conditions
- Diseases of the digestive system
- Injuries, poisoning and accidents
- Diseases of the circulatory system
- Mental and behavioural disorders
- Other diseases
- Diseases of the respiratory system

Source: Bundesanstalt für Arbeitsschutz und Arbeitsmedizin; Sicherheit und Gesundheit bei der Arbeit – Berichtsjahr 2021 – Unfallverhütungsbericht; page 285

*'We are committed to reducing the workload of medical professionals. In this way, TENTE offers mobility solutions that relieve staff and contribute to a significant reduction in sick leave.'*

Daniel Brandt, Medical Expert



## LOOKING FOR RELIEF – FINDING TENTE

In order to prevent numerous causes of sick leave among caregivers, we incorporate all our experience from the medical field into our developments. The result is ergonomic mobility solutions that facilitate the work of staff and provide physical relief. In this way, they also help to increase productivity and reduce gaps in supply. Or more precisely: our castors and wheels save time, effort and costs. They improve workflows, increase process efficiency – and thus generate a powerful increase in profits.

### IMPROVED HANDLING COMFORT AND INCREASED PRODUCTIVITY

Also, our mobility solutions with a central locking system take efficiency to a new level. They enable the simultaneous locking of more than one castor, which increases handling comfort, relieves care staff and reduces working time.

### A SYSTEM THAT SAVES UP TO 30 PERCENT OF WORKING TIME

#### THE EXTRA PUSH TOWARDS GREATER HEALTH

With our electronic power unit E-Drive, medical beds can be set in motion effortlessly just by pushing a button. This solution is easy on the muscular system of the nursing staff and ensures safe and efficient patient transport.

E-Drive



You will find the product brochure here:





## CARE BEDS FOR MORE COMFORT

Care beds are a central part of everyday life for people requiring medical care – especially at home. After all, they are not only used for sleeping, but also as a space for taking meals, watching television or enjoying conversations with the family. Thus, care beds must allow for a high degree of flexibility, safety and comfort, and create a homely atmosphere.

### SUITABLE WHEELS AND CASTORS

Our products are proven to contribute to meeting these requirements. Our design castors such as the Integral or the Levina care create visual elements. Our Aviana care offers the user a low overall height – and thus more stability, more safety and a reduced risk of injury in the event of a fall.

Care beds must comply with a specific cost framework in order to be covered by health or long-term care insurance. We understand this requirement and also offer alternative castors, such as Agila care.

Also, the bed must be able to be repositioned and moved effortlessly – for example, when the room is being cleaned. Therefore, we offer you intelligent mobility solutions that provide safe, quiet and easy actuation.



**ONE OF OUR HIGHLIGHT PRODUCTS FOR CARE BEDS:**

**Levina care**  
 100 kg  
 100 - 125 mm



You will find the product brochure here:

## HOSPITAL BEDS: SAFE, QUIET AND HYGIENIC

Demographic change affects the number of patients in hospitals and clinics, which is likely to increase steadily in the future. This makes it all the more important to create optimal conditions that promote recovery and well-being. In this context, factors such as peace and quiet, the highest hygiene and safety standards as well as efficient staff are crucial – and our mobility solutions fulfil an important function.

Regardless of noise, washability or ergonomics, and regardless of electrical conductivity or safe constructions – our castors and wheels for hospital beds meet the highest requirements.

### MINIMAL HEIGHT

Our Linea hospital bed castor helps to reduce the risk of injury in case of falls. Thanks to its exceptionally low overall height, it allows the surface of the bed to be lowered to a previously unattainable level, thus improving patient safety.

### BE CALM

Hospitals and clinics are predominantly places of rest and recovery. The locking and unlocking of our hospital bed castors is therefore significantly quieter compared to conventional products. At the same time, their handling is highly ergonomic, which enables effortless operation. This helps medical staff to preserve their strength – and to maintain their performance.

### ELECTRICALLY CONDUCTIVE AND WASHABLE

When it comes to areas with electrostatic protection and sensitive environments in hospitals and clinics, we also provide you with electrically conductive mobility solutions. They help to protect both operators and sensitive equipment from electrostatic discharges. As hygiene is a key issue in medical facilities, we also offer castors and wheels that are permanently washable.





## THE PERFECT SOLUTIONS FOR EMERGENCY CARE: INTEGRAL

What makes the environment in emergency care so unique? Extreme circumstances? Time pressure? The hectic pace? For sure, all of them! But the real challenges are unexpected events. The medical staff must therefore always be able to rely 100 percent on the equipment – especially when transporting patients.

Key to this: castors and wheels for stretchers. Or intelligent mobility solutions that meet the requirements of both patients and staff. Mobility solutions like our Integral.

### COMFORT? SAFE!

Our Integral 200 contributes to guaranteeing safe and unlimited transport while ensuring smooth care for the patient. Our solutions feature a soft centre with good damping properties and ensure low-vibration transport. They offer very high load capacities and resistance to shock loads. This increases the comfort of the patients and improves their safety.

An additional benefit: the outstanding running properties. Our mobility solutions enable fast and easy manoeuvring, easy overcoming of obstacles and, if required, a secure and safe stance. In other words, when every second counts in the emergency room, you can rely on our castors and wheels.

Our product development also focuses on hygienic aspects. Therefore, our products are made of non-hazardous materials and comply with the strictest regulations.



ONE OF OUR HIGHLIGHT PRODUCTS FOR CARE BEDS:

**Integral**  
 150 kg  
 125 - 200 mm

↓

You will find the product brochure here:

## ERGONOMICS IMPACT PROCESSES AND SAFETY

### PERFECT INTERACTION

In the medical sector, perfect teamwork is essential – and thus the interaction between humans and machinery: equipment that is quick, easy and comfortable to use improves the quality of care, increases safety and supports the recovery of patients. Intuitive handling also relieves the workload of specialists and ensures efficient workflows. Therefore, there is one crucial factor in the production of medical devices: observing the processes involved when using medical devices – cognitive ergonomics. This is also an important factor in TENTE's product development.

In terms of cognitive ergonomics, the location of the control elements is very important. The right position guarantees good accessibility and use. Castors with central locking are operated remotely with only one pedal or a hand control, which reduces hazards and also saves time.

Mobility solutions from TENTE that feature a safety function also combine cognitive ergonomics with maximum safety: by operating the control by hand, foot or by using an electric switch, the wheels are released and can be moved as long as the control element is activated. As soon as the user releases it, the wheels are automatically locked. In this way, the system prevents unintentional movement and operator use errors. Moreover, it is self-explanatory and easy to operate.

### PERFECT INTEGRATION

Mobility solutions that can be controlled digitally, such as our Linea e-lock, are also characterised by intuitive and easy handling. They can be integrated very flexibly into the individual workflow. In addition, their freely programmable control function can be integrated into existing control panels.

Another advantage: there are almost no limits when it comes to designing the devices. This is because the Linea e-lock does not require the classic hexagonal bars. As a result, this mobility solution not only opens up unlimited design possibilities, but also saves you time during construction, installation and follow-up maintenance.

 For more information on Linea e-lock, see page 26.

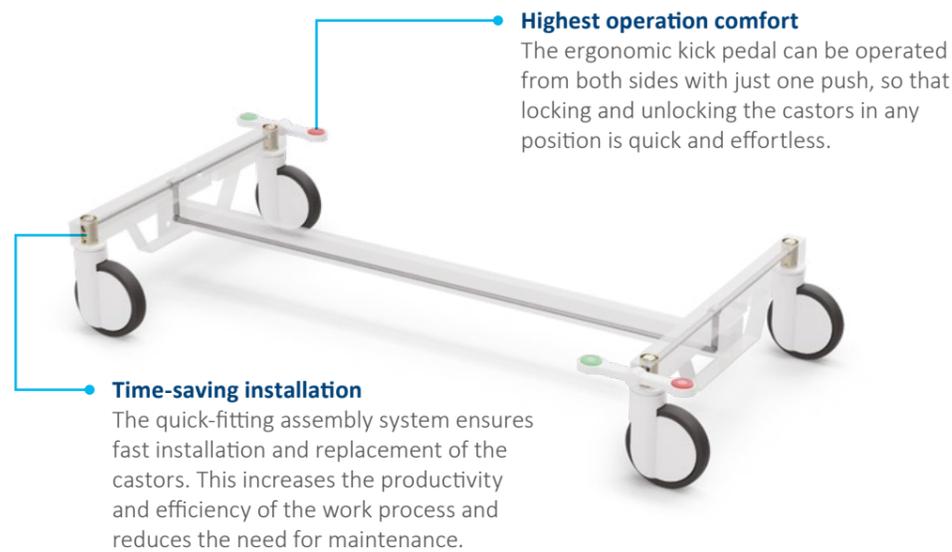


**Linea e-lock**

150 kg  
 150 mm

# FAST OPERATION AND MAXIMUM SAFETY

Our central locking system allows the caregiver to lock and unlock all castors with just one step. The pedal is accessible from every angle and ensures ergonomic operation. The result: more safety and time savings. We have many years of experience when it comes to the perfect combination of castors and locking systems. Our Quick-Fitting R36-34 ensures quick and uncomplicated installation of the castors.



**Highest operation comfort**  
The ergonomic kick pedal can be operated from both sides with just one push, so that locking and unlocking the castors in any position is quick and effortless.

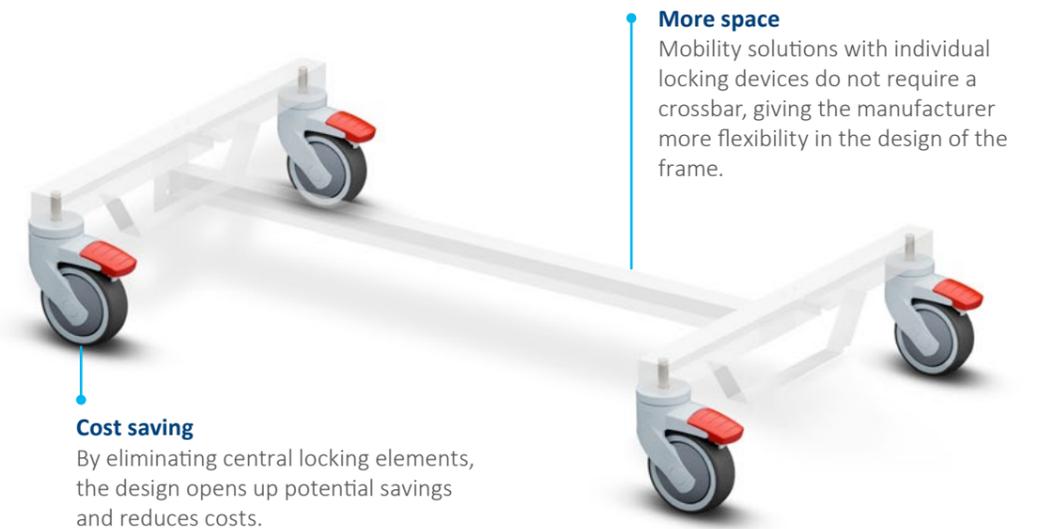
**Time-saving installation**  
The quick-fitting assembly system ensures fast installation and replacement of the castors. This increases the productivity and efficiency of the work process and reduces the need for maintenance.

## CENTRAL LOCKING SUITABLE FOR THE FOLLOWING PRODUCT FAMILIES:



# INCREASED FLEXIBILITY VIA INDIVIDUAL LOCKING

Mobility solutions with individual locking offer a high degree of flexibility – for the user and for the manufacturer. This is because each castor can be locked individually. In other words, you can lock only one or several castors one after the other. Since there is no crossbar in the middle section of the construction, the manufacturer benefits from a flexible installation space. This opens up unlimited freedom in the design.



**More space**  
Mobility solutions with individual locking devices do not require a crossbar, giving the manufacturer more flexibility in the design of the frame.

**Cost saving**  
By eliminating central locking elements, the design opens up potential savings and reduces costs.

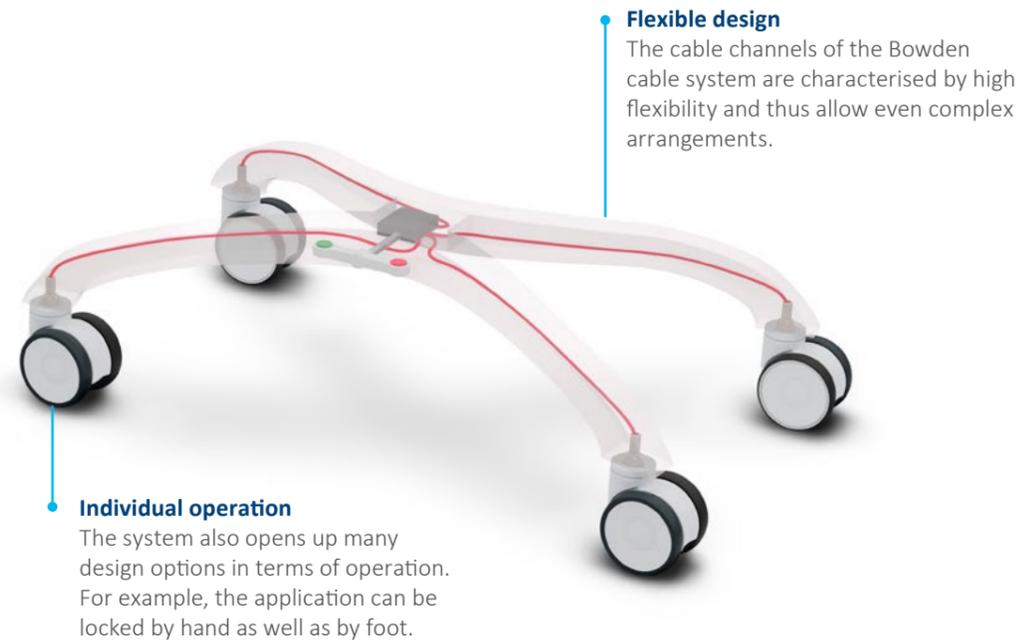
## INDIVIDUAL LOCKING SUITABLE FOR THE FOLLOWING PRODUCT FAMILIES:



**?** Do you have any questions?  
If so, simply use our contact form and get in touch with us:  
[www.tente.com/en-de/contact/](http://www.tente.com/en-de/contact/)

# EASY INTEGRATION AND ENDLESS POSSIBILITIES

Locking systems with a Bowden cable operate in a similar way to a classic bicycle brake: the mechanical remote control and the lock are connected by a wire mesh running through a guide cable. The significant advantage: compared to solutions with rods, the system with a Bowden cable takes up less installation space. The cable can be integrated into the frame in a completely uncomplicated and flexible way and opens up almost unlimited arrangement possibilities. And if you are wondering which castors suit the system best, we recommend our Linea safety (serial number: 592D, 594D and 5946S27).



**Flexible design**  
The cable channels of the Bowden cable system are characterised by high flexibility and thus allow even complex arrangements.

**Individual operation**  
The system also opens up many design options in terms of operation. For example, the application can be locked by hand as well as by foot.

**Bowden cable available with different locking mechanisms:**

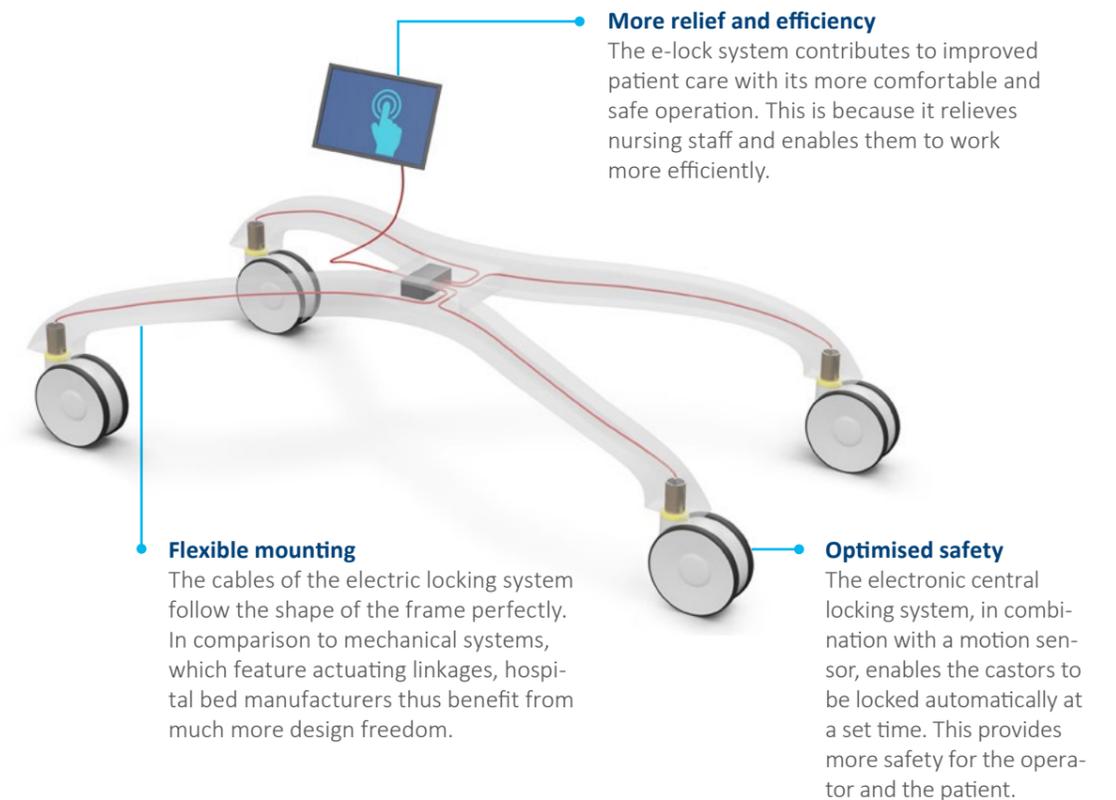


**BOWDEN CABLE**  
SUITABLE FOR THE FOLLOWING PRODUCT FAMILIES:



# LOW-NOISE, LIGHTWEIGHT AND FLEXIBLE

The locking system e-lock offers a locking function that can be activated electrically. The clear advantage: shifting torques and shifting forces are eliminated. Therefore, the actuation is almost silent and all actuation positions can be flexibly controlled. The system also offers a high degree of flexibility in terms of individual design and can be seamlessly integrated into the corporate design of the hospital bed manufacturer. The automatic locking function also reduces the risk of improper use – and thus increases safety.



**More relief and efficiency**  
The e-lock system contributes to improved patient care with its more comfortable and safe operation. This is because it relieves nursing staff and enables them to work more efficiently.

**Flexible mounting**  
The cables of the electric locking system follow the shape of the frame perfectly. In comparison to mechanical systems, which feature actuating linkages, hospital bed manufacturers thus benefit from much more design freedom.

**Optimised safety**  
The electronic central locking system, in combination with a motion sensor, enables the castors to be locked automatically at a set time. This provides more safety for the operator and the patient.

**CENTRAL LOCKING**  
SUITABLE FOR THE FOLLOWING PRODUCT FAMILIES:



**?**  
**Do you have any questions?**  
If so, simply use our contact form and get in touch with us:  
[www.tente.com/en-de/contact/](http://www.tente.com/en-de/contact/)

# THE RIGHT SOLUTION FOR EVERY APPLICATION

We take on every challenge – and consider your individual perspective. Whether it is to improve safety, increase productivity or ensure maximum durability. No matter if you require the greatest possible comfort, improved ergonomics or minimum noise development – we will assure you of the right mobility solution. This is why we invite you to challenge us and get more information!

The following pages will provide you with a comprehensive overview of the key features and benefits of our products. If you are looking for an individual mobility solution tailored to your specific application, we will of course be there for you. On pages 28 and 29 you can find out how we design, develop and implement such a solution – together with you.

Note: Each product description has been assigned the corresponding icon so that you can see at first glance which application our castors and wheels are suitable for:



**HOSPITAL BED**  
Suitable for hospital beds



**CARE BED**  
Suitable for care beds



**STRETCHER**  
Suitable for stretchers

# POWERFUL AND FLEXIBLE WITH INTEGRAL ASSIST

100 - 150 kg 150 mm 150 mm

The Integral assist castor is a key element of the WeAssist™ system and provides powerful support during patient transport. However, it can also be integrated into other bed systems and is therefore also available separately. When integrated, it provides exactly the assistance that the porter needs when moving the bed. Thanks to the powerful drive inside, it provides the necessary thrust when starting up or helps the porter to manoeuvre and drive straight ahead. It also absorbs the heavy weight of the bed, makes it easier to negotiate inclines and declines and takes up speed when necessary.

**Suitable for the following applications:**



**High flexibility**  
The castor can not only be combined with the WeAssist system, but can also be integrated into other bed systems. In this case, you are responsible for installation and calibration.

**Relief for caregivers**  
The Integral assist improves ergonomics and contributes to back-friendly working. Moving the bed is less exhausting. The spine is no longer excessively bent. Muscles and joints are relieved. The porter saves energy and can focus more of their attention on the patient.

**More efficiency**  
Work processes can be accelerated, personnel resources planned more flexibly and downtimes reduced with the help of the castor. Integral assist can also be integrated easily and cost-effectively, saving additional time and costs.

**Improved working conditions**  
By noticeably reducing the workload of care professionals, Integral assist ensures more attractive working conditions. In this way, it helps to promote well-being and increase employee satisfaction.

# LOW-NOISE AND LIGHTWEIGHT WITH INTEGRAL

📦 100 - 150 kg    🛞 130 - 229 mm    🌀 100 - 200 mm

It does not come as a surprise that this castor has been the first choice on the market for years and has been used millions of times. The Integral sets the standard for single-wheel castors in the medical sector by combining an elegant design with maximum safety, durability and exceptional resistance to shock loads. It is particularly easy to clean and impresses with its TÜV-Süd-certified safety standard. More-over, due to the high degree of automation in production, you can of course fully rely on consistently high quality within the entire product family.

Suitable for the following applications:



### Diversity of options

The Integral product family offers a variety of designs for the highest requirements in the hospital environment. These include options that match the product design in terms of colour, permanently washable options, castors with different fittings and conductive options to protect users and electrical devices from electrostatic discharges.

### Durable and maintenance-free construction

The encased design and sealed-bearing wheels provide protection against splash water and dirt. The Integral is resistant to many cleaning agents and chemical substances thanks to its chemical-resistant components. Its load-bearing housing made of stainless steel or sheet steel guarantees a highly robust construction.

### Ideally suited for stretchers

The version with a wheel diameter of 200 millimetres is particularly suitable for use on stretchers. In situations that require quick and easy manoeuvring, this solution meets the highest requirements. The Integral features a high load capacity and durability combined with a very light construction.

You will find the product brochure here:



# SECURELY STABLE AND ERGONOMIC WITH INTEGRAL TWIN

📦 125 - 250 kg    🛞 129 - 175 mm    🌀 100 - 150 mm

Integral twin features particularly quiet and easy actuation and TÜV-Süd-certified safety standards. This has also made it a favourite in the field of hospital beds and medical furniture for decades. The trend-setting castor is available in various versions that have been specially developed for the particular requirements of hospital and clinic environments: castors with a higher load capacity and exceptional torsional stiffness for securely standing operating tables. We offer permanently washable and electrically conductive versions. Or versions that can be customised with the individual company logo of our customers.

Suitable for the following applications:



### Great ergonomics

With its low swivel resistance, the Integral twin sets standards in terms of ergonomics and facilitates the effortless and safe movement of hospital beds and medical furniture. The result: improved working conditions and significant relief for nursing staff.

### Low-maintenance castors

The wheels of the Integral twin come with a robustly constructed resistant housing made of sheet steel or stainless steel. They are equipped with protective seals against splash water, dirt and cleaning agents.

### Outstanding quality

The Integral twin is also uncompromising when it comes to quality. For decades, the castor has been continuously optimised by our engineers with regard to customer requirements. Integral twin is available all over the world.

You will find the product brochure here:



# MASTERING EVERYDAY LIFE COMFORTABLY WITH LEVINA CARE

100 kg 137 - 161 mm 100 - 125 mm

In the medical environment it is said: there's power in silence. The new patented central locking solution allows caregivers to quietly and easily lock all castors with a single step, reducing the amount of workload. At the same time, it improves safety by preventing unintentional movement when the patient gets up or lies down. This promotes the patient's rest and strengthens the healing process. Sounds interesting? Then contact us – we'll be happy to answer any questions you might have.

Suitable for the following applications:



**Quiet and ergonomic actuation**  
The smooth actuation simplifies handling for the staff and provides not only physical relief but also more safety. The low noise during actuation contributes to an undisturbed recovery of the patients.

**Design options**  
Individual design of colour and surface to match the product design.

Examples of colour options:



You will find the product brochure here:



# GREAT DESIGN AND RUNNING COMFORT WITH LEVINA

200 kg 155 mm 150 mm

Hygienic and safe – our Levina is particularly suitable for use in hygienically sensitive application areas. With its plastic housing and soft, dampening tread, the Levina offers optimum manoeuvrability and safe, quiet running.

Suitable for the following applications:



**Low-vibration and low-noise transport**  
Plastic housing (shock-absorbing) and soft wheels with good shock absorbing properties ensure a quiet working environment.

**Design options**  
Individual design of colour and surface to match the product design.

**Chemical-resistant components**  
Resistant to many cleaning agents. Less maintenance costs due to durability.

You will find the product brochure here:



# LINEA CLINIC: REDUCED RISK OF INJURY FROM FALLS

👤 150 kg    ⚙️ 130 - 175 mm    🌀 125 - 150 mm

Our hospital bed castor Linea has a remarkably low overall height and allows caregivers to place the lying surface extra low. This significantly reduces the risk of injury for patients. Additional benefits: low swivel resistance, low-noise and ergonomic actuation.

Suitable for the following applications:



**Protection of patients**  
With its minimal overall height, Linea clinic supports medical staff in their efforts in the area of fall prevention. This is because the professionals are better placed to achieve a low lying surface position and reduce the risk of injury.

**Accelerated processes**  
Central locking with a hexagonal bar enables the simultaneous locking of more than one castor. This not only simplifies work processes, but also speeds them up. As a result, patient comfort is increased – and safety is improved.

**Lowest installation height**  
The XS fitting of the Linea is barely higher than the wheel size. With a diameter of 125 millimetres, the overall height of the castor amounts to just 130 millimetres. The clear advantage for hospital bed manufacturers: hexagonal bars can be mounted particularly low.

↓  
You will find the product brochure here:

# MAXIMUM SAFETY WITH LINEA LOAD

👤 200 kg    ⚙️ 155 mm    🌀 150 mm

With this mobility solution you get the full repertoire of safety. Or more precisely: a high load capacity and durability. Increased torsional stiffness for securely standing operating tables. Certified electrical conductivity. Low overall height for a reduced risk of injury to patients. And, of course, mobility that is unique in terms of both ergonomics and safety.

Suitable for the following applications:



**Lowest overall height**  
When used under operating tables, Linea minimises the risk of injury thanks to its low overall height. The lying surface can be positioned particularly low, so patients and caregivers benefit from a clear plus in safety.

**High load capacity**  
With its higher load capacity of 200 kilograms, the castor is extremely robust and offers a maximum of safety for caregivers and patients.

**Increased torsional stiffness**  
In operating theatres, operating tables have to meet particularly strict requirements. Linea load offers outstanding torsional stiffness for this very reason and thus ensures that operating tables stand firmly.

↓  
You will find the product brochure here:

# INTELLIGENT RELIEF WITH LINEA E-LOCK

👤 150 kg   🛠️ 155 mm   🔄 150 mm

The Linea twin wheel castor offers extremely low rolling resistance, making manoeuvring easy with little effort. Its flexible handling under hospital beds reduces the risk of accidents and provides greater safety for patients and caregivers. Linea can be adapted to any application and is also available in an electrically conductive version.

Suitable for the following applications:



## High safety

Manufacturers have the possibility to add a motion sensor to the Linea e-lock. The result: timed automatic locking of the castors and more safety for patients and staff.

## Easy and flexible integration

The user-programmable control function can also be integrated into existing control units. By eliminating the actuating rods and kick pedals, new possibilities open up regarding the design of beds.



## Quiet working environment

Quiet locking provides a comfortable working environment for both the patient and the clinician.

# SMOOTH TRANSPORTATION WITH AVIANA CARE

👤 100 kg   🛠️ 104.5 mm   🔄 75 mm

The castor allows extraordinarily easy and comfortable manoeuvring even when moving heavy applications. When combined with a particularly soft wheel, Aviana care sets new standards with its excellent low-noise operation and ensures patient comfort. Thanks to its low overall height, it also helps reduce the risk of injury and significantly increases safety.

Suitable for the following applications:



## Increased productivity

Using central locking, more than one castor can be locked at the same time. The result: significant time savings, improved work processes and more efficient workflows.

## Great adaptability

Aviana care can be customised (mounting, colour, wheel options, etc.) and designed to meet the specific requirements of the customer.



## Reduced risk of injuries

The low height of the castor reduces the falling height from the bed to the floor, so the risk of injury for patients is also significantly minimised.

↓  
You will find the product brochure here:  




*'Thanks to the innovative solutions from TENTE, we were able to significantly improve user-friendliness.'*  
Anne Becker, Global Marketing Manager at Siemens Healthineers

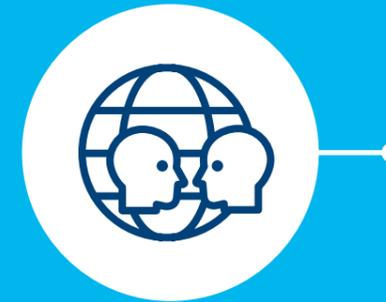
↓  
You will find the product brochure here:  


# SOLUTIONS FOR RESEARCH AND DEVELOPMENT

## OUTSTANDING PRODUCT DESIGN – ADVANTAGE WITH A SYSTEM

The defining principle of our design is the system concept. Our product world is distinguished by a high degree of flexible possibilities for adaptation and integration. As an intelligent modular system, it offers great freedom for the individual implementation of your functional and formal requirements. Beyond this, our engineers are available as competent partners for efficient co-developments in order to design exclusive mobility solutions for the market of tomorrow.

With regard to the perfect combination of engineering and design, we have always been seen as a driving force. This is also reflected in the numerous awards our company has achieved again and again. These include (among others) the Red Dot Design Award, the universal design award and the iF Product Design Award.

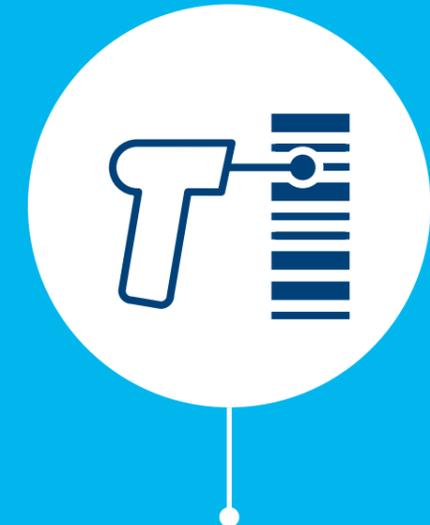


## GLOBAL SUPPORT – WITH A PERSONAL NOTE

No matter where your company is located, we offer qualified support on five continents and are there for you on the ground. You can rely on our experienced solution experts, who know your country's cultural characteristics inside out and are able to provide you as native speakers with perfect support – especially if things aren't running smoothly. With our global network, we are capable of responding to your concerns quickly and with the highest problem-solving expertise – all over the world.

## CAD SERVICE – SIMPLY FASTER

With our CAD service, you save valuable working time and increase the efficiency of your development processes. On top of that, we also have the diverse TENTE product world which is available around the clock, quickly and conveniently in our online library. We can support your design and development department with several 2D and 3D data formats and can give you support through our teams if needed.



## INTELLIGENT PRODUCT IDENTIFICATION – MONITORING EX WORKS

If you are looking to implement product identification solutions in order picking, process control or parts tracking, we are capable of equipping your products accordingly.

Take the opportunity to increase your manufacturing transparency, to simplify your reordering and repair processes and even lower your operational costs. On request, we can label your products with an individual Data Matrix Code (DMX) containing all relevant information. Digital identification with key data such as the model year, production order or order number guarantees effortless data processing and ensures uncomplicated, long-term identification of the products.

## OUR TEST CENTRE – EVERYDAY LIFE AS A BENCHMARK

Everyday use of castors and wheels does not keep to standards. Therefore, the testing requirements are often far higher than those of the standards that apply to use. Whether we're talking of a wheel, castor or individual component, in our testing laboratory, every part must stand up to significantly higher requirements. For example, we test the samples in a temperature chamber. There, under extreme temperatures, the products are subjected to all kinds of tensile and compression tests. In addition, we also check the static and dynamic load capacity above the standard. The same applies to changing loads during continuous swivel and collision tests. We also test the interaction of the products with a wide variety of surfaces according to customer specifications.

Our castors and wheels must prove outstanding longevity and endurance during analysis of abrasion volume as well as in harsh salt spray tests. The result: solutions that impress with their premium quality and are proven to increase mobility in their applications.



# FULL SERVICES WITH TENTE

## CONSULTATION

What challenges do you face? What would you like to improve? Safety at work? Efficiency? Productivity? Or all of the above? Our experts listen carefully and set the initial goals together with you.



## FINISHED SOLUTION

We deliver the finished mobility solution and are of course also happy to provide you with comprehensive support afterwards – for example with our all-round carefree service package. Contact us and we will advise you individually.

## ANALYSIS

By involving the necessary specialists, we get a precise picture of your current situation. Our experts look at all the decisive influencing factors and focus on your individual needs – starting with the requirements in terms of product specifications, through to system integration and delivery times. The entire analysis is carried out in a particular manner: wholly holistically.

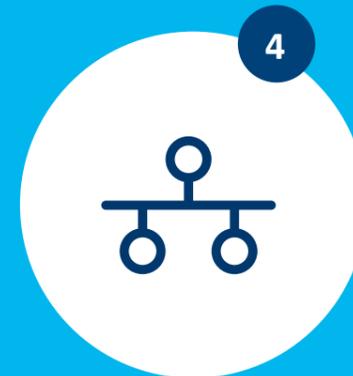


## SAMPLE / PROTOTYPE

You receive an initial prototype or a certain number of sample castors from us. You can test these extensively in connection with your application before we finally complete the development together.

## PRESENTATION OF THE IDEA

We develop a concept idea for a mobility solution that is precisely aligned with your requirements. We present this to you in detail in a presentation and discuss the next steps.



## COLLABORATIVE DEVELOPMENT

The idea becomes a reality: In close coordination with you, we realise the planned project. In the process, we use our entire development expertise – and implement the joint concept.

# DIVERSITY WITH A SYSTEM: OUR CASTORS

All of our products have their own specific qualities and strengths. Whether it's high design standards, specialist applications or exceptional load capacities – our range can meet your needs and can be adapted to fit different models.

From the correct dimensions and technical specifications to the required configuration, our product families are able to offer the ideal solution – whatever you need.

Contact us for more information or visit our website:  
[www.tente.com](http://www.tente.com)

E-Drive ultimate



⌀ 125 mm

E-Drive optima



⌀ 125 mm

Alpha



⊃ 70 - 500 kg  
⌀ 80 - 200 mm

Delta



⊃ 300 - 600 kg  
⌀ 125 - 200 mm

Delta twin



⊃ 600 - 750 kg  
⌀ 125 - 200 mm

Zeta



⊃ 300 - 800 kg  
⌀ 125 - 250 mm

Kappa



⊃ 300 - 3.000 kg  
⌀ 80 - 300 mm

Kappa flex



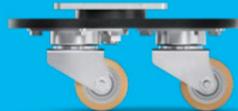
⊃ 360 - 750 kg  
⌀ 160 - 200 mm

Omikron



⊃ 900 - 22.500 kg  
⌀ 100 - 600 mm

Radiata



⊃ 1.200 - 1.500 kg  
⌀ 80 mm

Scout



⊃ 150 - 350 kg  
⌀ 160 - 200 mm

Linea industrial



⊃ 60 - 150 kg  
⌀ 75 - 150 mm

Integral assist



⊃ 100 - 150 kg  
⌀ 150 mm

Integral



⊃ 100 - 150 kg  
⌀ 100 - 200 mm

Integral twin



⊃ 125 - 250 kg  
⌀ 100 - 150 mm

Linea clinic



⊃ 150 - 200 kg  
⌀ 125 - 150 mm

Forma



⊃ 125 - 150 kg  
⌀ 125 - 150 mm

Aviana care



⊃ 100 kg  
⌀ 75 mm

Aviana



⊃ 100 kg  
⌀ 75 mm

Agila



⊃ 40 - 100 kg  
⌀ 50 - 150 mm

Agila twin



⊃ 50 - 100 kg  
⌀ 50 - 75 mm

Stora



⊃ 60 - 160 kg  
⌀ 75 - 160 mm

Mono



⊃ 30 - 70 kg  
⌀ 50 - 100 mm

Galea



⊃ 60 - 100 kg  
⌀ 100 - 125 mm

Levina



⊃ 60 - 100 kg  
⌀ 75 - 150 mm

Levina care



⊃ 100 kg  
⌀ 100 - 125 mm

Linea



⊃ 40 - 150 kg  
⌀ 50 - 150 mm

Anika



⊃ 40 - 50 kg  
⌀ 55 - 75 mm

Lumina



⊃ 10 - 100 kg  
⌀ 35 - 75 mm

Stylea



⊃ 40 - 100 kg  
⌀ 35 - 100 mm

Smiles



⊃ 40 kg  
⌀ 50 mm

Compacta



⊃ 10 - 55 kg  
⌀ 14 - 50 mm

# EXPERTISE THAT INSPIRES

## CONTACT US

We are a globally operating company supporting you on five continents. This means on-site support with service on a level playing field – along with in-depth knowledge. Additionally, our solution experts will advise you on the best mobility concept for your needs. Follow this link to find your nearest TENTE location: [www.tente.com/en-de/locations/](http://www.tente.com/en-de/locations/)

## INCREASE YOUR EFFICIENCY

Our intelligent mobility solutions help you save time, effort, energy, and operating expenses. This allows you to improve your operating methods and working conditions, thereby optimising your processes and ensuring higher productivity and profitability, and improved safety. Ask for our solutions catalogue or read about how our customers benefit from our tailor-made solutions on our website: [www.tente.com/en-de/mobility-solutions/](http://www.tente.com/en-de/mobility-solutions/)

## SAVE DEVELOPMENT TIME

On our website you will find technical drawings, product data sheets and 2D and 3D CAD files in various formats: [www.tente.com/en-de/products/](http://www.tente.com/en-de/products/)

## GET MORE INFORMATION

In addition to our informative website, you can easily download various catalogues and brochures on mobility solutions, customer references, and much more: [www.tente.com/en-de/downloads/](http://www.tente.com/en-de/downloads/)





[www.tente.com](http://www.tente.com)



PRODUCTIVITY



SAFETY



DESIGN



DURABILITY



ENVIRONMENT