

Sprint 100

Premium Transport Stretcher



Efficient Transportation and Patient Flow

Sprint 100



Easy to Use
and Intuitive Controls

coupled with superior ergonomics make operations of Sprint 100 simple and safe.

LINET's Premium Transport Stretcher

Efficient and versatile without compromising comfort.



Summary of Sprint 100 Benefits

Sprint 100 is a reliable and durable transport stretcher with premium features that can improve the patient flow in any hospital.

Challenges

- Up to 1 million patient falls in the USA¹
- Patients who have fallen are prone to longer hospital stays²
- More than 2.5 million pressure injuries per year³



Sprint 100 Solution

Enhanced Patient Outcome

- Positions to improve patient's recovery and comfort
- Improved patient safety
- Advanced mattress for patient comfort

- 35,000 reported musculoskeletal injuries in the USA⁴
- 75% of nurses feel stressed when using medical equipment⁵



Improved Caregiver's Work

- Unique ergonomic design
- Easy patient transportation
- Safe patient handling

- Optimize patient flow
- Yearly cost of repairs of hospital equipment
- Infection from the equipment



Efficient Hospital Operations

- Efficient patient handling and transportation
- Easy to clean surfaces
- Durable design and parts



Sprint 100 was designed to help with patient flow, safety and patient recovery. It offers efficient transport, reliable design and comfort for the patient.



Easy Patient Transportation

Handling heavy equipment can increase risk of injury to caregivers. Sprint 100 is easy to push and operate due to its user-centric design.



Side Bumpers

Uniquely designed side bumpers protect the stretcher from damage during transportation.





A low push force, 5th wheel steering and an integrated shock absorption make patient transport smooth and comfortable.



IV&Drive

Sprint 100 is the world's first stretcher with IV poles designed as push handles.

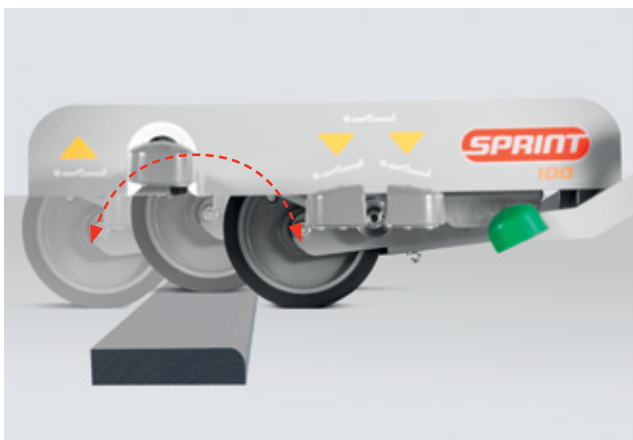
Standard IV poles are prone to breaking when used for pushing. With LINET's IV&Drive technology, IV poles can safely absorb the working load of 100 kg / 220 lb without bending.⁶



EasyBrake

With EasyBrake, releasing or activating the brakes by pushing the foot lever down instead of pulling up, minimizes physical restraint and supports ergonomic working.

EasyBrake eliminates the need to move to the sides of the bed when using the brake with the head and foot location of the brakes.



FlexiDrive

To improve patient comfort the Sprint 100 utilizes a retractable 5th wheel that utilizes a shock absorber to reduce the shock from obstacles and uneven surfaces.

Patient's Safety and Comfort

Patient safety and comfort are part of the Sprint 100's design from its advanced mattress choice to SoftDrop siderails.





SoftDrop Siderails

SoftDrop siderails cover most of the stretcher's length. They can be easily released whenever needed from both sides of the stretcher. Furthermore, thanks to the SoftDrop feature, siderails are lowered smoothly, gently and silently, resulting in a minimal risk of hand entrapment.



Increased Comfort

The right choice of mattress can improve the overall experience of the patient. Sprint 100 offers three mattress options to address various needs of hospitals*.

Sprint 100's Advanced Mattress offers memory foam and Thermic layer.



Immediately Start CPR

The CPR handle is quickly recognizable and accessible.

* Mattress choice differs based on stretcher configuration

Support Patient's Recovery

When in critical condition, the patient can face multiple breathing related or cardiac difficulties. With easy controls, Sprint 100 can be adjusted to positions that improve the patient's vital functions.



Cardiac Chair Position

The Cardiac chair position improves the patient's breathing and cardiovascular functions.⁷ While staying on the stretcher it is vital to make the patient comfortable.

With hydraulic foot controls, it is easy to put the patient into the right position. Many treatments are easier in the sitting position, including administration of medications.



Vascular Leg Position

Sprint 100 can be put into Vascular leg position.





Angle Indicator

The integrated Angle Indicator allows easy reading of the backrest angle. Its position allows for easy monitoring of the mattress platform incline.



Bed Tilting

Sprint 100 has both Trendelenburg and Anti-Trendelenburg position.



Trendelenburg



Anti-Trendelenburg

Safe Patient Handling

Simplified patient positioning and ergonomic design helps to improve patient handling with the Sprint 100.





Easy Platform Adjustment

The four section mattress platform can be easily adjusted to best accommodate the patient.



Access to Patient's Head

The caregiver has unobstructed access to the patient's head thanks to the siderails. The siderails also align perfectly with the 30 degrees position.



Low Height

With the lowest height of only 55.5 cm / 21.8 in, the patient can get off the stretcher comfortably and safely.

Efficient Hospital Operations

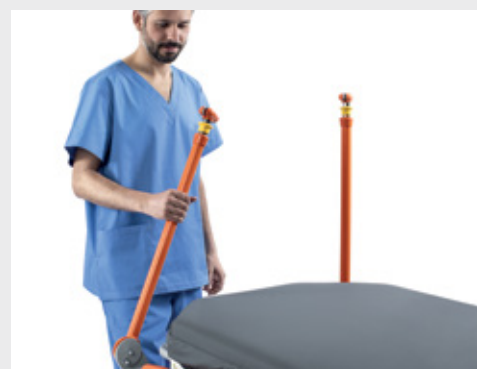
LOW COST OF OWNERSHIP

The Sprint 100 addresses the long-term financial costs of ownership with a robust design for longevity and simplified repair procedures.



Innovative IV Poles

The IV poles of Sprint 100 can withstand 35% more load than standard telescopic IV poles⁸ and are specifically designed for pushing and maneuvering.

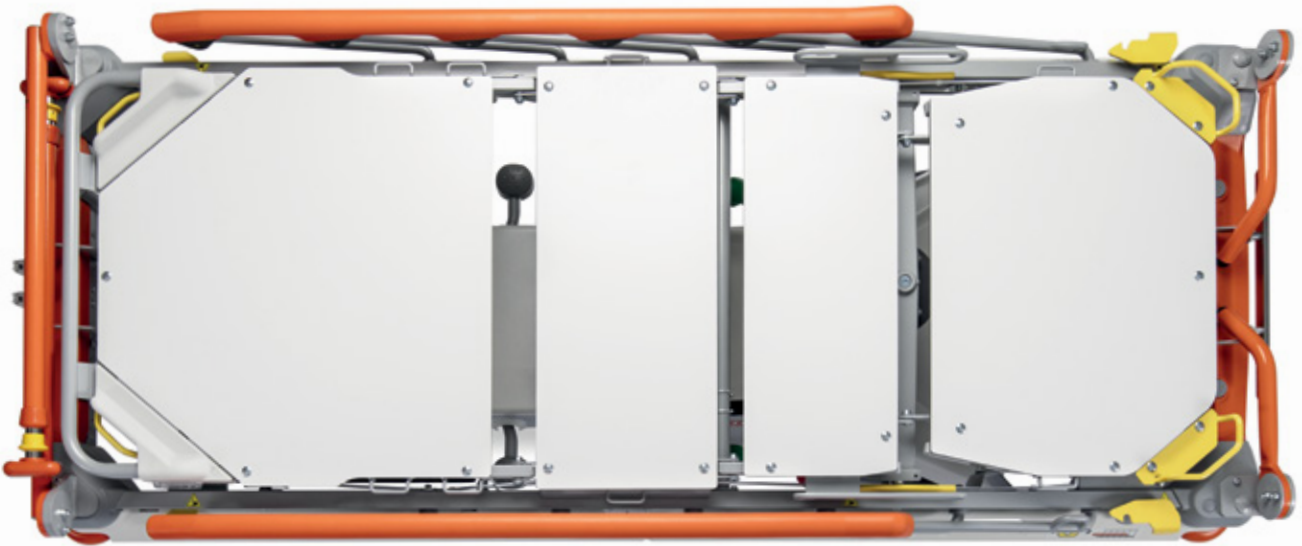




EFFICIENT INFECTION CONTROL

Removable Mattress

The Advanced Mattress can easily be removed for cleaning or exchanged when necessary to lower risk of infections.



Cleanability

The **columns** of the Sprint 100 are covered in an easy to clean surface. The entire stretcher can be easily maintained.



Product Overview



Siderails with the SoftDrop function are ergonomic and safe for the patient

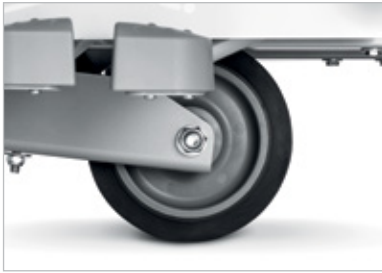


IV&Drive allows caregivers to use IV poles for manipulation without the risk of breaking them



Push handles are collapsible to allow access to the patient





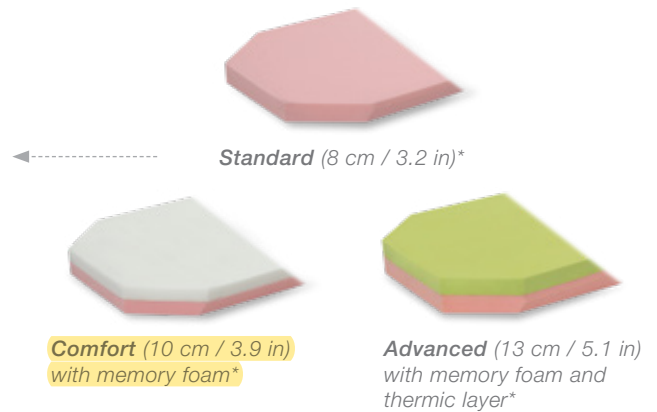
FlexiDrive is a retractable 5th castor that ensures a smooth ride and safe transport



Foot controls are easy to operate and accessible on both sides



Brakes can be operated on all four sides even in tight spaces



* Mattress choice differs based on stretcher configuration

Solution for Every Need

Variety of Accessories*

Sprint 100 can be further customized by a range of accessories to fit the various needs in the hospital environment.

Multifunctional Shelf

X-ray Cassette Holder

O₂ Tank Holder

Telescopic IV Pole

Paper Roll Holder

Chart Holder



	2 section narrow deck	2 section wide deck	4 section narrow deck	4 section wide deck
IV&Drive	✓	✓	✓	✓
FlexiDrive	✓	✓	✓	✓
SoftDrop siderails	✓	✓	✓	✓
Cardiac chair	✗	✗	✓	✓
C-arm compatible	✓	✗	✗	✗



	2 section narrow deck	2 section wide deck	4 section narrow deck	4 section wide deck
External dimensions	211 × 76 cm	211 × 86 cm	211 × 76 cm	211 × 86 cm
	83.1 × 29.9 in	83.1 × 33.9 in	83.1 × 29.9 in	83.1 × 33.9 in
Mattress platform	193 × 66 cm	193 × 76 cm	193 × 66 cm	193 × 76 cm
	76 × 26 in	76 × 29.9 in	76 × 26 in	76 × 29.9 in
Height adjustment	56.5 – 89 cm	56.5 – 89 cm	55.5 – 88 cm	55.5 – 88 cm
	22.2 – 35 in	22.2 – 35 in	21.9 – 34.6 in	21.9 – 34.6 in
TR/ATR Tilt	18° / 18°	18° / 18°	18° / 18°	18° / 18°
Backrest adjustment	0 – 90°	0 – 90°	0 – 90°	0 – 90°
Thigh rest angle	–	–	0 – 40°	0 – 40°
Calf rest angle	–	–	0 – 21°	0 – 21°
Side rails height	35.5 cm	35.5 cm	36.5 cm	36.5 cm
	14 in	14 in	14.4 in	14.4 in
Safe working load	320 kg	320 kg	320 kg	320 kg
	705 lb	705 lb	705 lb	705 lb
Weight (with basic equipment)	120 kg	135 kg	120 kg	135 kg
	265 lb	298 lb	265 lb	298 lb

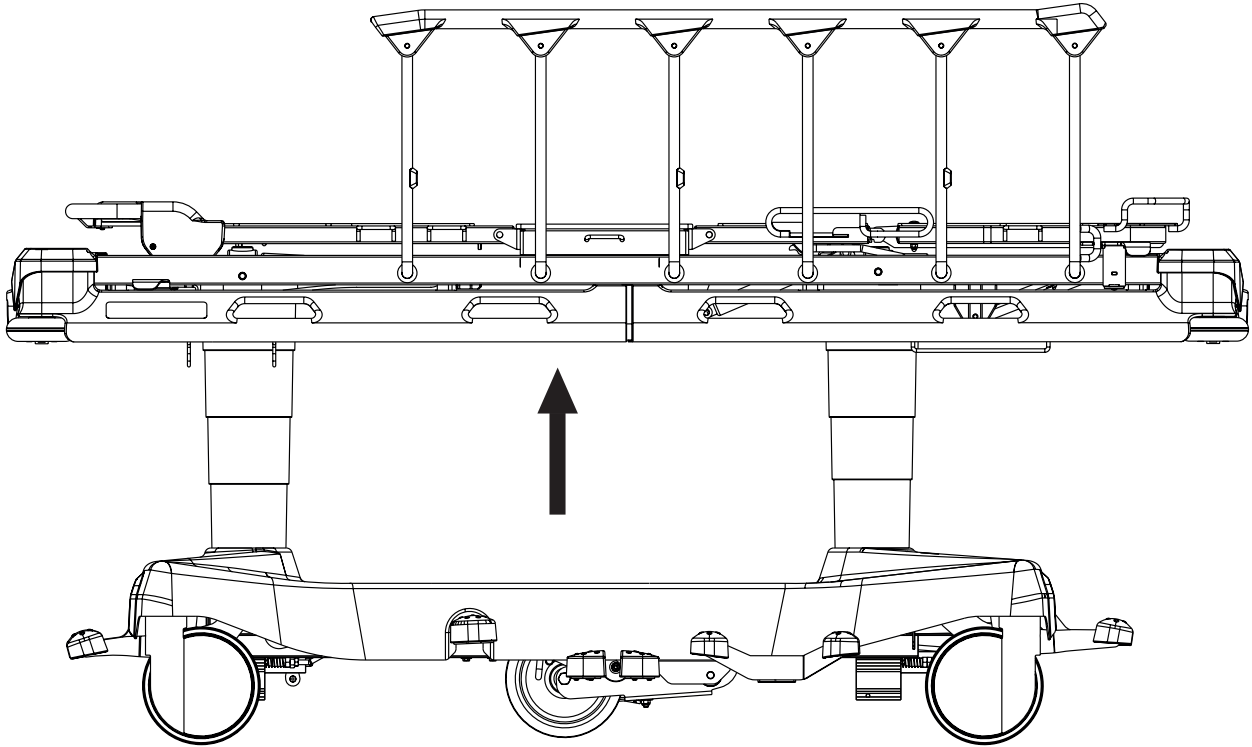
SPRINT 100 WITH 2-PART MATTRESS SUPPORT PLATFORM

Parameter	Value
External Dimensions in Standard Bed Position (length x width)	211 cm / 83,1 inch x 76 cm / 29,9 inch
Siderail Height above Mattress Support Platform (minimum ; maximum)	3 cm / 1,2 inch ; 35,5 cm / 14 inch
Siderail Length	125 cm / 49,2 inch
Distance between siderail bars	21 cm / 8,3 inch
Mattress dimensions (length x width)	193 cm / 76 inch x 66 cm / 26 inch
Maximum Mattress Height	13 cm / 5,1 inch
Castor diameter	20 cm / 7,9 inch
Minimum — Maximum Mattress Support Platform Height above floor (without Mattress)	56,5 cm / 22,2 inch — 89 cm / 35 inch
Maximum Backrest Angle	90°
Trendelenburg/Anti-Trendelenburg Position (Angle)	+18°/-18°
Bed Weight (depending on configuration)	120 kg / 265 lb
SWL (Bed Safe Working Load)	320 kg / 705 lb
Maximum Patient Weight	280 kg / 617 lb
Mass of Mobile Hospital Bed (Mass of empty bed + Safe Working Load)	440 kg / 970 lb

7.2.2 Sprint 100 with Wide Mattress Support Platform
SPRINT 100 WITH 4-PART MATTRESS SUPPORT PLATFORM

Parameter	Value
External Dimensions in Standard Bed Position (length x width)	211 cm / 83,1 inch x 86 cm / 33,9 inch
Siderail Height above Mattress Support Platform (minimum ; maximum)	4 cm / 1,6 inch ; 36,5 cm / 14,4 inch
Siderail Length	125 cm / 49,2 inch
Distance between siderail bars	21 cm / 8,3 inch
Mattress dimensions (length x width)	193 cm / 76 inch x 76 cm / 29,9 inch
Maximum Mattress Height	13 cm / 5,1 inch
Castor diameter	20 cm / 7,9 inch
Minimum — Maximum Mattress Support Platform Height above floor (without Mattress)	55,5 cm / 21,9 inch — 88 cm / 34,6 inch
Maximum Backrest Angle	90°
Maximum Thighrest Angle	40°
Maximum Calfrest Angle	21°
Trendelenburg/Anti-Trendelenburg Position (Angle)	+18°/-18°
Bed Weight (depending on configuration)	135 kg / 298 lb
SWL (Bed Safe Working Load)	320 kg / 705 lb
Maximum Patient Weight	280 kg / 617 lb
Mass of Mobile Hospital Bed (Mass of empty bed + Safe Working Load)	455 kg / 1003 lb

13.3.4 Lifting



To lift Mattress Support Platform:

- ▶ press Lifting pedal and repeat it until intended position is reached

To perform bleeding procedure of hydraulic units:

- ▶ press Lifting pedal 10 times in the highest bed position

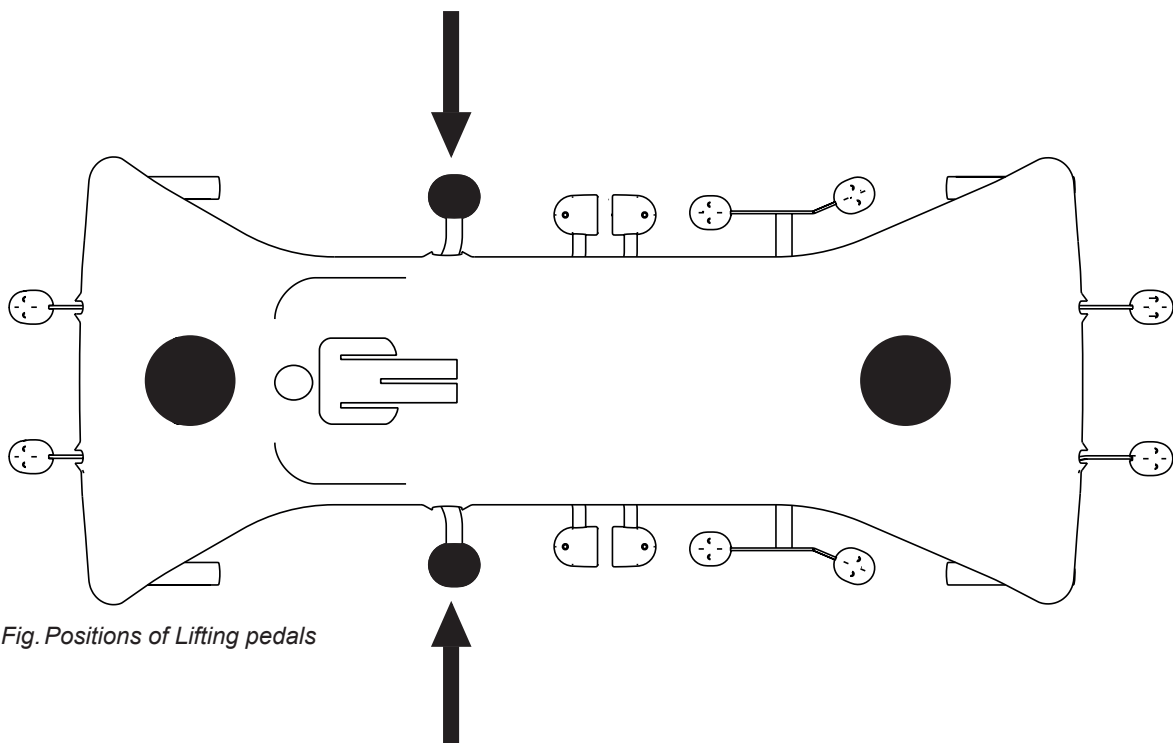


Fig. Positions of Lifting pedals

Summary of Sprint 100 Benefits



Enhanced Patient Outcome

- Positions to improve patient's recovery and comfort
- Improved patient safety
- Advanced mattress for patient comfort



Improved Caregiver's Work

- Unique ergonomic design
- Easy patient transportation
- Safe patient handling



Efficient Hospital Operations

- Efficient patient handling and transportation
 - Easy to clean surfaces
 - Durable design and parts
-

References

- 1 Agency for Healthcare Research and Quality. Preventing Falls in Hospitals. Retrieved December 5, 2019. <https://www.ahrq.gov/professionals/systems/hospital/fallpxtoolkit/index.html>
- 2 Wong CA, et al. The Joint Commission Journal on Quality and Patient Safety. 2011;37(2):81-87. Centers for Medicare and Medicaid Services. September 2012.
- 3 Pressure Injury Fact Sheet, NPIAP, www.npiap.com
- 4 bog.nurserecruiter.com, Bureau of Labor Statistics, USA
- 5 <https://pubmed.ncbi.nlm.nih.gov/7899570/> Res Nurs Health. 1995 Apr;18(2):165-72.doi: 10.1002/nur.4770180209.; E A McConnell 1: How and what staff nurses learn about the medical devices they use in direct patient care
- 6 Own testing, data upon request
- 7 Franco Valenza et al. Effects of the Beach Chair Position, Positive End-expiratory Pressure, and Pneumoperitoneum on Respiratory Function in Morbidly Obese Patients during Anesthesia and Paralysis, Anesthesiology 2007; 107:725–32
- 8 Own testing, data upon request



LINET

Members of LINET Group

LINET spol. s r.o.

Želečnice 5 | 274 01 Slaný | Czech Republic

tel.: +420 312 576 400 | fax: +420 312 522 668 | e-mail: info@linet.com | www.linet.com



www.linet.com

DECLARAȚIA DE CONFORMITATE UE	Număr:	DOCROSPrint
	Versiune:	01

1. Tip/Model de produs - instrument:

Targa universală mecanică de transport – *Sprint / 1ES*

2. Numele și adresa producătorului:

Nume comercial	L I N E T spol. s r.o.
Sediul social	Želevčice 5, 274 01 Slaný, Republica Cehă
Număr unic de înregistrare (SRN)	CZ-MF-000009320

3. Această declarație de conformitate este emisă sub răspunderea exclusivă a producătorului.

4. Obiectul declarației:

Produsul:	Sprint 100, Sprint 200
Descriere și clasificare funcțională:	Targa universală mecanică de transport. Destinat utilizării pentru spitalizarea pe termen scurt a pacientului în secțiile de urgență și de spitalizare pentru. Această declarație de conformitate UE acoperă, de asemenea, toate accesoriile aplicabile.
Identificatorul unic de bază al dispozitivului, UDI-DI-ul de bază	8592654461480CC
Clasificarea produsului ca dispozitiv medical:	Clasa I nesteril, fără funcție de măsurare, conform Anexei VIII a Regulamentului (UE) 2017/745 al Parlamentului European și al Consiliului (MDR) - Regula 1

5. Obiectul declarației descris mai sus este în conformitate cu legislația de armonizare relevantă a Uniunii:


<ul style="list-style-type: none"> - Regulamentul (UE) 2017/745 al Parlamentului European și al Consiliului (MDR) - Cerințele aplicabile ale Hotărârii de Guvern nr. 176/2008 Coll. privind dispozitivele și utilajele (Directiva 2006/42/CE)

6. Referințe la standardele armonizate aplicabile utilizate sau la alte specificații tehnice pe baza cărora este declarată conformitatea:

EN 60601-1:2006/A2:2021, EN 60601-1-6:2010/A2:2021, EN ISO 14971:2019, EN ISO 10993-1:2020, EN ISO 10993-5:2009, EN ISO 10993-10:2021, EN ISO 20417:2021, EN ISO 15223-1:2021

Locul și data emiterii declarației: Slaný, 4.5.2022

Semnat în numele L I N E T spol. s r.o.



Ing. Tomáš Kolář, Director general





Certificate

No. Q5 067069 0038 Rev. 02

Holder of Certificate: **L I N E T spol. s r.o.**
LINET
Želevčice 5
274 01 Slaný
CZECH REPUBLIC

Certification Mark:



Scope of Certificate: **Design and development, manufacture, distribution, servicing and installation of hospital beds, nursing beds, birthing beds, ICT solutions, stretchers, anti-decubitus systems and mattresses and furniture for the areas of hospital care, gynaecology, social care and home care**

The Certification Body of TÜV SÜD Product Service GmbH certifies that the company mentioned above has established and is maintaining a quality management system, which meets the requirements of the listed standard(s). All applicable requirements of the testing and certification regulation of TÜV SÜD Group have to be complied with. For details and certificate validity see: [www.tuvsud.com/ps-cert?q=cert:Q5 067069 0038 Rev. 02](http://www.tuvsud.com/ps-cert?q=cert:Q5_067069_0038_Rev_02)

Report No.: 713204634

Valid from: 2022-06-16

Valid until: 2024-07-22

Date, 2022-06-16

Christoph Dicks
Head of Certification/Notified Body

Certificate

No. Q5 067069 0038 Rev. 02

Applied Standard(s): EN ISO 13485:2016
Medical devices - Quality management systems -
Requirements for regulatory purposes
(ISO 13485:2016)
DIN EN ISO 13485:2016

Facility(ies): **L I N E T spol. s r.o.**
Želevčice 5, 274 01 Slaný, CZECH REPUBLIC

Design and development, manufacture, distribution, servicing and installation of hospital beds, nursing beds, birthing beds, ICT solutions, stretchers, anti-decubitus systems and mattresses and furniture for the areas of hospital care, gynaecology, social care and home care

L I N E T spol. s r.o.
Politických vězňů 1969, 274 01 Slaný, CZECH REPUBLIC

Manufacturing of hospital beds and nursing beds for the areas of hospital care, gynaecology, social care and home care