

# 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 USA<sup>1</sup>
- Patients who have fallen are prone to longer hospital stays<sup>2</sup>
- More than 2.5 million pressure injuries per year<sup>3</sup>

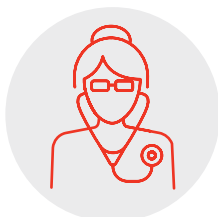


## Sprint 100 Solution

### Enhanced Patient Outcome

- Positions to improve patient's recovery and comfort
- Improved patient safety through bed exit alarm and siderail design
- Advanced mattress for patient comfort

- 35,000 reported musculoskeletal injuries in the USA<sup>4</sup>
- 75% of nurses feel stressed when using medical equipment<sup>5</sup>



### 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.

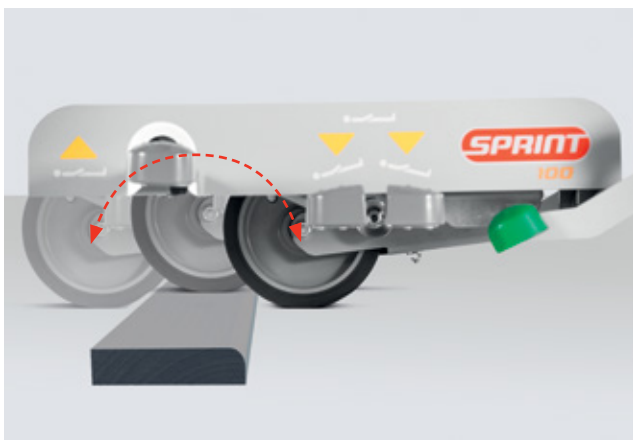
Standard IV poles are prone to breaking when used for pushing. With LINET's IV&Drive technology, IV poles can safely absorb the working load of 100 kg / 220 lb without bending.<sup>6</sup>



### 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.







## Bed Exit Alarm

The system monitors the patient's movement on the bed and bed exit. It can be set in two modes depending on the patient's demand and mobility.

Patient falls are one of the causes of prolonged hospital stay.<sup>2</sup> Bed exit alarm in combination with safe siderails can help with the prevention of falls.



## 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 Themic 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.<sup>7</sup> 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.





## High Precision Scales

With an accuracy of 0.5 kg and a battery back-up the Sprint 100 integrated scale improves patient care.



## 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

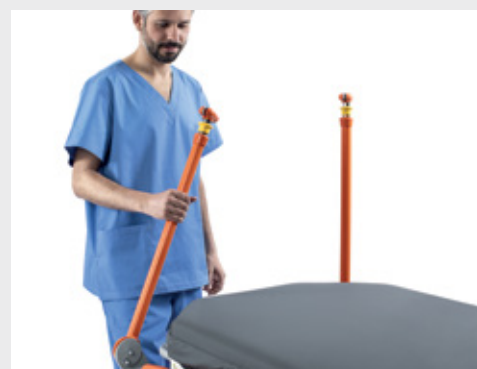
## LOW COST OF OWNERSHIP

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 poles<sup>8</sup> and are specifically designed for pushing and maneuvering.



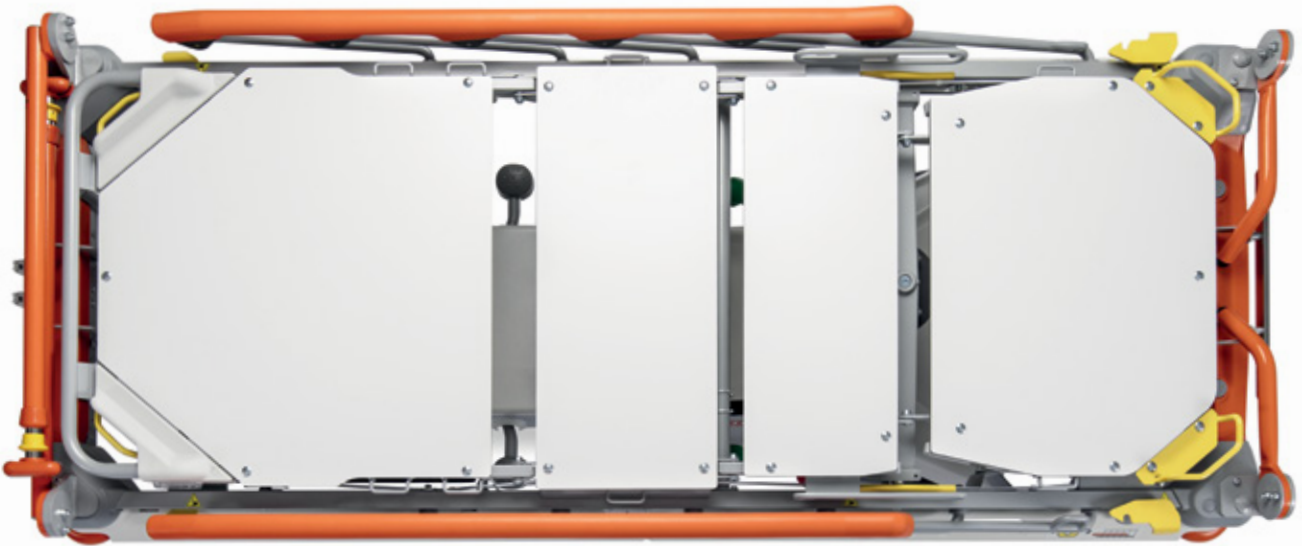




## EFFICIENT INFECTION CONTROL

### 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



*Push handles are collapsible to allow access to the patient*



*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*

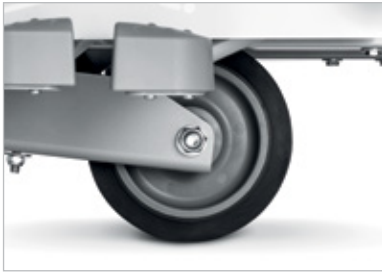


*Scales measure with the precision of 0.5 kg*



*Bed exit alarm with two sensitivity options for movement or leaving the bed*





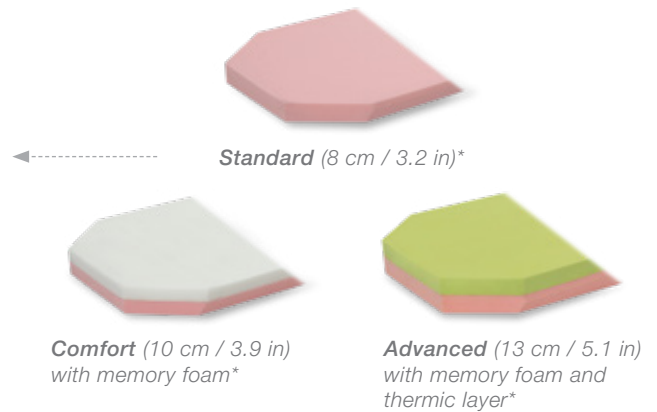
*FlexiDrive* is a retractable 5th castor that ensures a smooth ride and safe transport



*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

O<sub>2</sub> 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	✓	✗	✗	✗
Scales	✗	✓	✗	✓
Bed exit alarm	✗	✓	✗	✓



	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

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## Efficient Hospital Operations

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  - Durable design and parts
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## 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.
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- 4 [bog.nurserecruiter.com](http://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



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