



**STOLLENWERK**

Rescue together. Since 1919.



# CPS COMPACT POWER STRETCHER

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**CPS System**  
electro-hydraulic stretcher system

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**Compact**  
> the world's shortest electro-hydraulic stretcher

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**Power**  
> well over 100 power strokes and a max. lift force of 320 kg (705 lbs)

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**Stretcher System**  
> Stretcher, loading unit & patient positioning in one system

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>> *One-of-a-kind user-interface,  
maximum visibility*

## The CPS Stretcher



### Electronic features

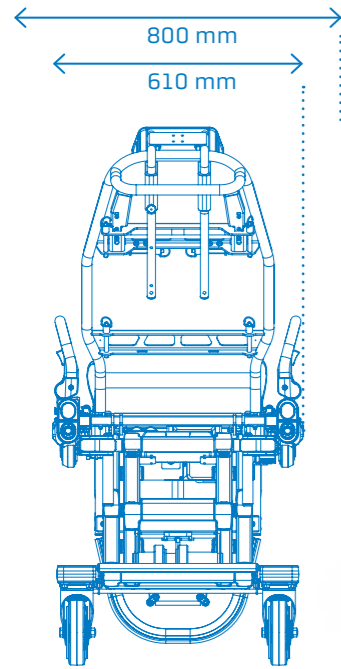
- X** Maximum payload and lifting force of 320 kg (705 lbs); fine-tunable controls
- X** LED warning and signal lights on the sides and two-stage high-power LED spotlights with surround illumination
- X** Recognition of safe driving and loading heights with push-button programming
- X** Full colour display showing all important information
- X** Li-ion battery with outstanding battery life
- X** Secure, low-radiation USB interface for updating and checking the stretcher

### Handling Features

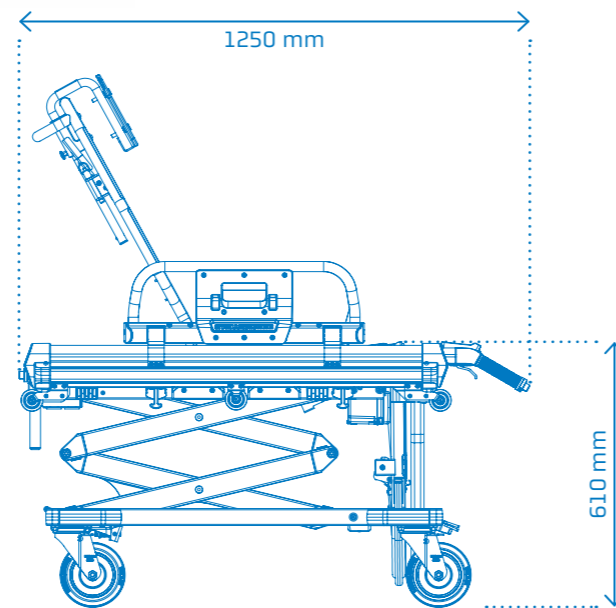
- X** Four fully lockable, off-road, shock-absorbing, swivelling wheels
- X** Patented design makes the stretcher extremely compact
- X** 20 cm (7.85") ground clearance for easily overcoming obstacles
- X** Maximum wheel track for increased tipping stability
- X** Patient surface can be extended to 220 cm (87")
- X** Integrated widening of the patient surface from 50 to 85 cm (19.7-33.5")
- X** Allows for cardioprotective positioning through lowering of the patient's legs, also during ambulance ride



## Integrated chair function



- X** Can be shortened to a minimum of 1.25 m [49"] in two steps for considerably more flexible navigation in confined spaces
- X** Significantly better access to passenger elevators
- X** Patients can sit as if on a chair. Ergonomic transfer without stressful rotation movement for the patient's lower back
- X** Allows for cardioprotective positioning through lowering of the patient's legs



## Detachable Stretcher

**7001**



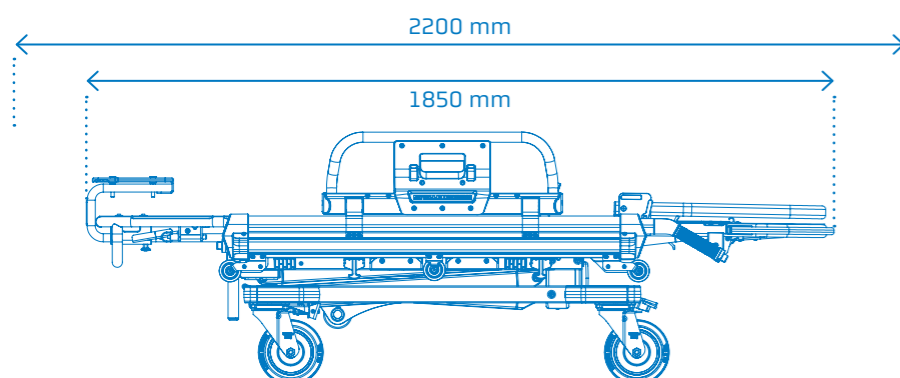
**8001**

- X** The stretcher can be detached from the carriage and used flexibly complementing other rescue transport means. Adaptable to be fixated on aerial rescue platforms.
- X** In case of a total failure of the carriage, the patient can be transported with the stretcher on the loading unit.
- X** The system's maintenance and logistics are made easier by its modularity, also enabling cost savings over product lifetime.
- X** Potential for expansion and integration of other transport solutions for adiposities, intensive care, isolation or neonatal transport.



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**CPS stretcher (7001 stretcher + 8001 carriage)**

Length	min. 1250 mm [49"], max. length of the patient surface 2200 mm [87"], max. total length 2280 mm [90"]
Height	min. height for patient loading 385 mm [15.2"], max. height for loading into the vehicle 1220 mm [48"]
Width	610 mm [24"]
Load capacity	250 kg [550 lbs] [stretcher without carriage] - 320 kg [705 lbs] [stretcher with carriage]
Lifting capacity	250-320 kg [551-705 lbs] - sensitive controllable
Weight	Stretcher ≈ 30 kg [66 lbs], carriage 50 kg [110 lbs] without accessories
Backrest and foot section adjustment	Yes - continuously adjustable via gas spring
Variable patient surface	Yes - head section extension and foot section extension
Positioning options	Yes - shock position / abdominal relief / cardioprotective positioning / chair position
Parking brake and wheel release	Yes - 4 swivel wheels with directional lock and total lock
Extendable handles	Yes - beyond stretcher length for ergonomic posture
Adjustable side rails	Yes - with multiple locking + widening to ≈ 850 mm [33"] lying area complying with EN 1865-3
Restraint system	Yes - with quick release function for fast cleaning, as well as infant restraint system from 3.5 to 32 kg [7.7-70.5 lbs].
Side bars	Yes - 3-part with piping and click system, as well as fabric fold
Power supply	Yes - automatically via loading unit
LED lighting	Yes - warning and signal lights as well as surround light and front lights in two stages
Multifunctional display	Yes - OLED display on the control panel
Battery and charger	Yes - Li-Ion battery [189 Wh] with 12V, 230V charger
Position indicator	Yes - with intelligent loading height recognition and safe driving height display
Pre-settable loading height	Yes - automatically programmable at the push of a button
Manual release	Yes
Stretcher without mobility device can be loaded onto the loading unit	Yes - as a second backup alongside manual emergency operation
Data storage	Yes - data log and load recording readable via USB
Adaptations of med. technology	Yes - up to 8 norm rail points [EN ISO 19054] configurable
Compatibility with rescue platforms	Yes - using an adapter for direct interface according to DIN 13024, 13025 and 13073
Compatible with transport incubators	Yes - using an adapter. on model no. 7001 and no. 7002 [incubator stretcher]
Crash safety	Yes - according to EN1789:2020 - with 10 g impact simulation in all directions and additionally according to AS/NZS 4535:1999 with 20 g frontal



>> Patented design for the world's most compact electro-hydraulic stretcher



## CPS loading units

### 7500 loading unit with integrated patient positioning – the model for ambulances

- X** Up to 320 kg (705 lbs) weight capacity and lifting capacity
- X** Active patient positioning with integrated electro-hydraulic suspension that adaptively adjusts to the patient's weight
- X** Automatic lowering of the loading unit when unloading
- X** Optimal treatment height in the vehicle
- X** Lockable for CPR measures at ideal working height
- X** Lateral displacement for flexible patient care from both sides
- X** Automatic charging of the stretcher
- X** Extended loading corridor when the vehicle is tilted towards the longitudinal and transverse axis

**7500**



>> *Optional lateral displacement and active patient positioning*

#### CPS loading unit 7500

<b>Length</b>	2000 mm (78.7")
<b>Min. height</b>	≈ 400 mm (15.7")
<b>Max. height</b>	≈ 500 mm (19.7")
<b>Width</b>	≈ 620 mm (24.4") + 60 mm (2.4") foot pedal (on the left and right)
<b>Load capacity</b>	320 kg (705 lbs)
<b>Weight</b>	220 kg (485 lbs)
<b>Automatic stretcher loading</b>	Yes
<b>Active patient positioning</b>	Yes – fully integrated swing table with weight adjustment
<b>Lockable for CPR measures</b>	Yes
<b>Lateral displacement</b>	Yes – stretcher position shiftable up to 13.5 cm (5.3") to the left and right
<b>Manual emergency operation</b>	Yes
<b>Crash safety</b>	Yes – according to EN1789:2020 – with 10 g impact simulation in all directions and additionally according to AS/NZS 4535:1999 with 20 g frontal



**7510**

### 7510 loading unit – the model for ambulances or patient transport

- X** Up to 320 kg [705 lbs] loading capacity
- X** Weight-optimized CPS loading unit
- X** Compartment for a 10L oxygen bottle
- X** Automatic charging of the stretcher
- X** Extended loading corridor when the vehicle is tilted towards the longitudinal and transverse axis

#### CPS 7510 loading unit

Length	2000 mm [78.7"]
Width	620 mm [24.4"]
Height	≈ 350 mm [13.8"]
Weight	115 kg [254 lbs]
Load capacity	320 kg [705 lbs]
Automatic stretcher loading	Yes
Storage compartment	Yes - suitable for a 10-litre oxygen bottle
Lockable for CPR measures	Rigid
Manual emergency operation	Yes
Crash safety	Yes - according to EN1789:2020 - with 10 g impact simulation in all directions and additionally according to AS/NZS 4535:1999 with 20 g frontal

## Highlights

**Stretcher  
7001**

Integrated chair function with maximum shortening and operable as a single stretcher

**Electro-hydraulic carriage  
8001**

Extremely compact, stable and powerful

**Loading unit  
7500 & 7510**

Compatible with ambulances of Type A, B and C according to EN 1789  
Automatic charging of the stretcher  
Integrated, adaptive patient suspension [7500]  
With lateral displacement [7500]







## Contact

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