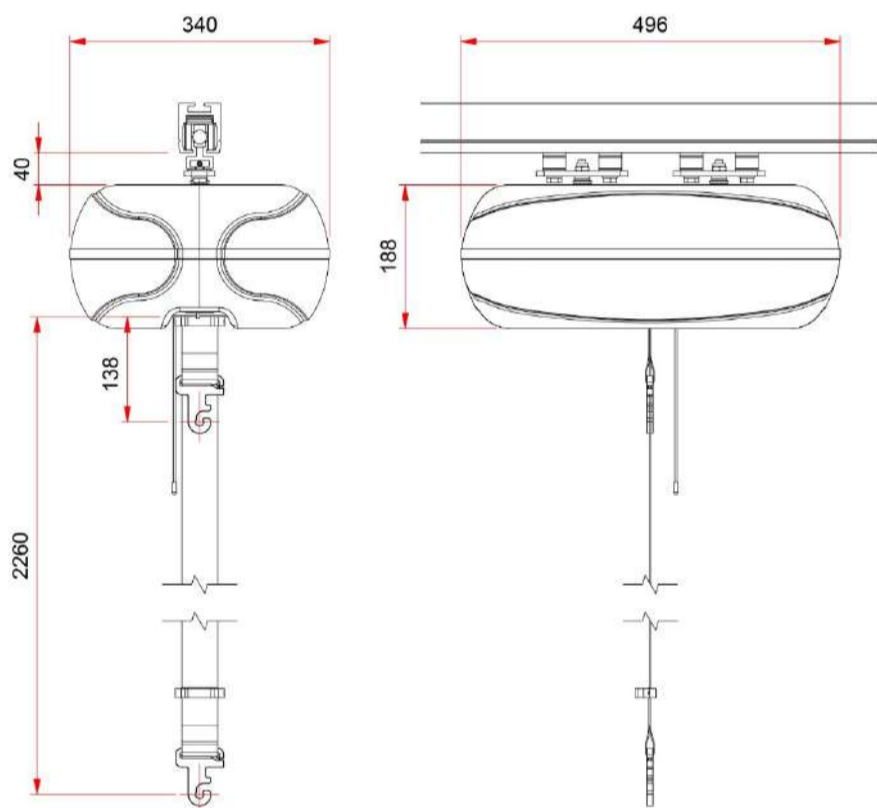


PLS AR-500 PLS2050

Ceiling hoist



The PLS AR-500 is a high-quality, versatile ceiling hoist that allows for safe and respectful transfers. The ceiling hoist is characterized by exceptionally low noise levels, both during lifting and during movement on the rail. The hoist's high load capacity, combined with numerous advanced mounting options and a long-lasting battery, allows it to be used not only for transfers but also for physiotherapy.



Dimensions: 496 x 340 x 275 mm
Length of carrying strap: 2260 mm

Main advantages:

- Advanced battery protection system,
- Automatic standby mode when not in use for a certain period of time,
- Zero power consumption in standby mode,
- Slow start and stop function for comfortable lifting,
- Option to use an electric hanger,
- Manual charging via a magnetic wall charger.

PLS hoists are charged via a hand control in a magnetic charging station mounted on the wall.



Technical parameters

Lifting capacity	500 kg
Control	Hand control
Moving along the rail	Manually
Spreader bar attachment point	Quick connector with hanger lock and screw d=10mm
Battery charging time (from critical level)	8 hours
Battery charge indicator	LED diode
Auto hoist shut-off	Yes -15 minutes
Auto battery indicator off	Yes - 2 minutes
Number of lifts at 70 cm when fully charged	500kg - 40
Device weight	26,7 kg
Sound level up (no load, max load)	47 dB / 54 dB
Sound level down (no load, max load)	45 dB / 50 dB
Lifting speed (without load, with load)	43 / 32 mm/sec
Falling speed (no load, with load)	42 / 45 mm/sec
Input voltage	24 V/DC (via wall charger)
Battery	Batteries (4x) 12 V – 5 Ah (sealed lead-acid)
Hoist tightness class	IP-32
Hand control tightness class	IP-66
Emergency lowering	Yes, with a 60 cm rope
Slow start&stop system	Yes
Battery protection system	Yes
End protection	Ensures that the spreader bar does not move higher than the maximum lifting height.
Emergency stop switch	Yes, it turns off the hoist when the button is pressed





Additional technical parameters

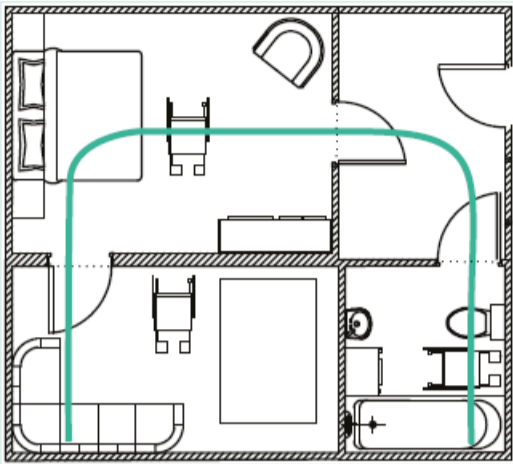
Hand control	Wired or wireless
Average braking distance at the center of the suspension	37 mm
Additional charging option	Directly in the rail (optional)
Cover	HIPS (high impact polystyrene)
Length of the alarm cord	60 cm (with regulation)
Basic UDI-DI	87201657932050U4
In compliance with Regulation (EU) 2017/745 and standards	See Declaration of Conformity

Safety features

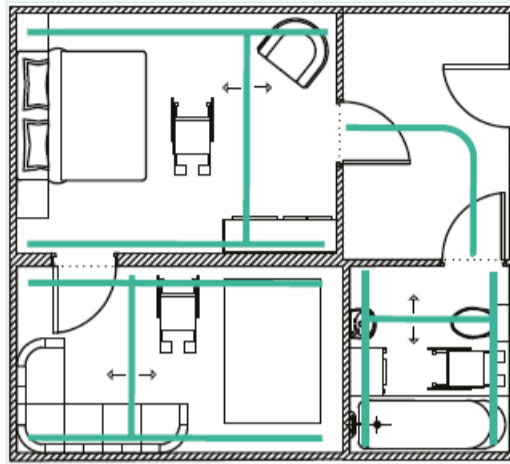
Battery monitor	Prevents fully discharging of the Batteries.
Height End Switch	Ensures that the Spreader Bar does not move higher than the maximum lifting height.
Emergency stop	Turns off the Ceiling Hoist in emergency situations when the red cord is pulled.
Emergency lowering feature	Lowers the patient when the Emergency Cord is pulled down.
Lifting Tape tension switch	Prevents the Lifting Tape in the Ceiling Hoist from piling up when lowered without load.
Lifting Tape limit switch	Turns off the motor of the Ceiling Hoist at the end of the Lifting Tape.



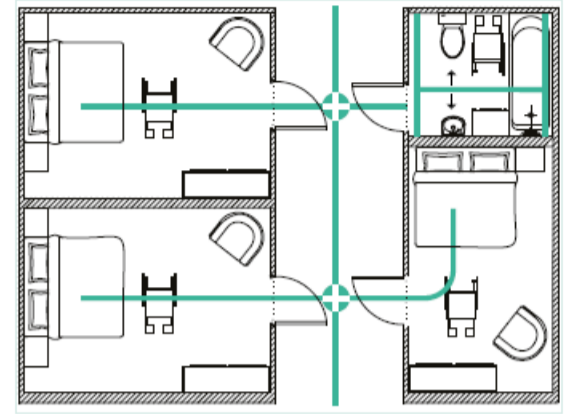
Types of ceiling system installations



Single rail



Traverse system



Turntable & Gate



Types of system for use in the rail



Gate
55721



Turntable
91884



Track-Switch
PLS1003 Track-Switch (Left)
PLS1004 Track-Switch (Right)

Compatible accessories



2-point spreader bar
PLS8102 - to 275 kg



4-point spreader bar
PLS8103 - to 500 kg



Electric spreader bar
PLS8105 - to 250 kg
PLS8107 - to 350 kg



LeviActive spreader bar
O-CZ-LA



PLS scale
PLS8106