stryker

Powered
loading system

69%
of the U.S. adult population is overweight[1]

A typical strain injury has a total cost of
$70,408
to a department ($33,528 direct and $36,880 indirect costs)[4]

The average age of an EMS worker is
40 years old[2]

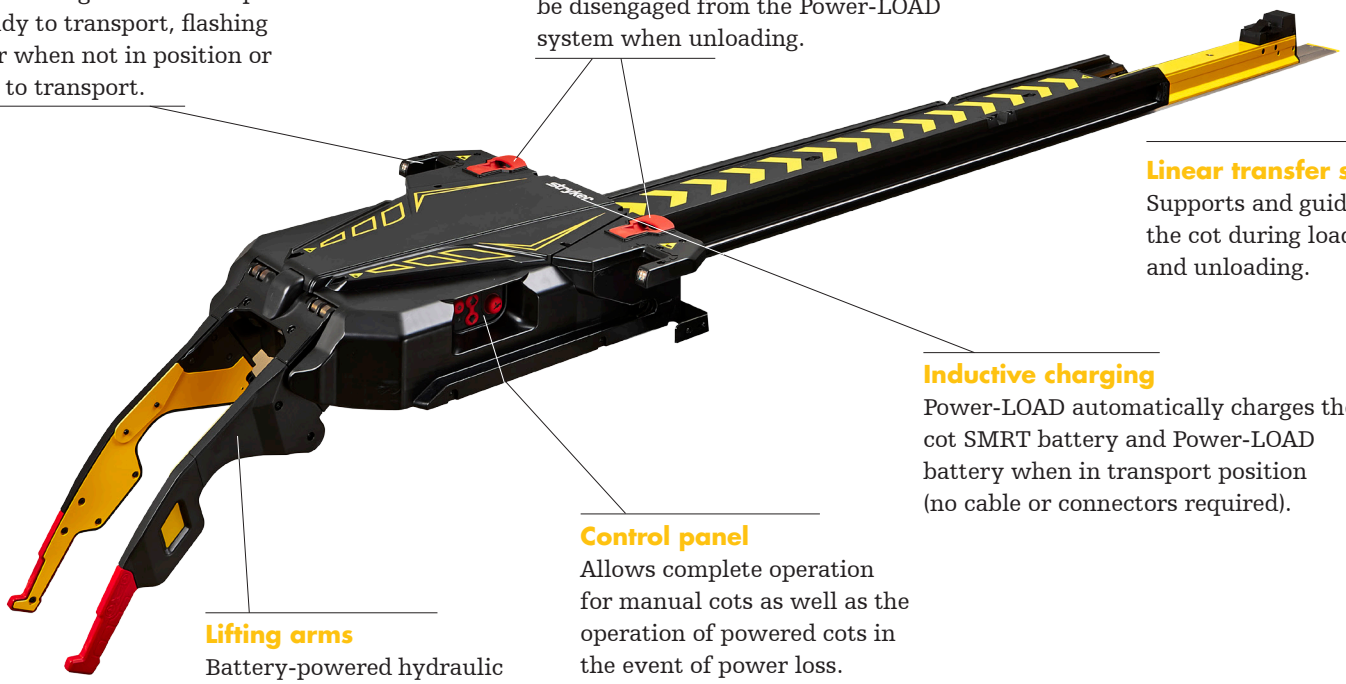
Power-LOAD®
powered cot fastener system

Reduce the risk of injuries when loading and unloading cots.

The Power-LOAD cot fastener system improves operator and patient safety by supporting the cot throughout the loading and unloading process. The reduction in spinal load helps prevent cumulative trauma injuries. Power-LOAD meets SAE J3027 dynamic crash test standards and minimizes patient drops by supporting the cot until the wheels are on the ground.

Head end LED indicators
Keep operator informed of position status. Solid green when in position or ready to transport, flashing amber when not in position or ready to transport.

Cot release handles
Red release handles allow the cot to be disengaged from the Power-LOAD system when unloading.



Linear transfer system
Supports and guides the cot during loading and unloading.

Inductive charging
Power-LOAD automatically charges the cot SMRT battery and Power-LOAD battery when in transport position (no cable or connectors required).

Control panel
Allows complete operation for manual cots as well as the operation of powered cots in the event of power loss.

Lifting arms
Battery-powered hydraulic lift system supports the cot and patient during loading and unloading.

Proven to save guarantee

Stryker will guarantee that you will see at least a 50 percent reduction in cot-related injuries pertaining to raising and lowering cots, or Stryker will replace all Power-PRO cots with equivalently configured manual cots price after the first year.*

*Eligibility depenent on documentation

1. http://www.cdc.gov/nchs/fastats/obesity-overweight.htm
2. http://www.ems1.com/ems-management/articles/1193622-EMS-recruitment-strategiesfor-managers/
3. http://www.emsworld.com/press_release/11360397/firefighter-invents-product-toreduce-back-injuries
4. https://www.osha.gov/dcsp/smallbusiness/safetypays/estimator.html
5. http://www.emsworld.com/press_release/11360397/firefighter-invents-product-toreduce-back-injuries
6. Sanders, Mick J. (2011) Mosby's Paramedic Textbook (4th ed., p. 36)
7. http://ems.stryker.com/ Stryker's Powered System shown to reduce back related injuries.
8 Reference: Stryker. (2012). Superior Ambulance Case Study [Case Study on Power-PRO XT cots]. Retrieved from: http://ems.stryker.com
9 Reference: The entire contents of the results section are from: T.K. Fredericks, S.E. Butt, K.S. Harms, J.D. Burns (2013). "Evaluation of Medical Cot Design Considering Biomedical Impact on Emergency Response Personnel." International Society for Occupation Ergonomics & Safety.

Low back strain was the cause of

78%

of compensation days in the U.S.[5]

1 in 4

EMS workers suffer from a career-ending back injury within the first four years of employment.[6]

Lifting causes more than

70%

of back injuries of EMTs[3]

Power-PRO XT
powered ambulance cot

Now the standard of care, the Power-PRO XT was designed with extensive input from medics, resulting in a cot that reduces manual lifting. The innovative battery-powered hydraulic system raises and lowers the cot with the touch of a button* and the retractable head section shortens the cot for 360-degree mobility in any height position.

Retractable Head Section
Retractable head section provides 360-degree mobility in any height position.

XPS
Adjustable with seven locking positions and includes a wider mattress that reduces transfer gap and designed with patient comfort in mind.

Shock, Flat Leg, or Optional Knee Gatch Positioning
Knee gatch provides patient comfort and greater lift clearance.

SMRT Battery
Zero memory charging solution designed to give superior performance to your Power-LOAD cot

Hydraulic Lift System
Battery-powered hydraulic lift system with manual back-up for operator confidence.

X-Restraint Package
Meets SAE J3027 dynamic crash test safety standards.

Compatiblity Kit
Allows for Power-PRO XT cots to work with Power-LOAD, Performance LOAD or both

Steer-Lock
Maximizes cot mobility control by locking the head end casters into a straight position preventing cot drift and enhancing its turning precision.

100%

reduction in back injuries was experienced by one service with the assistance of the Power-LOAD cot fastener system and Power-PRO XT cot.[8]

up to **35%**

decrease in the rating of perceived exertion when using a powered fastener and powered cot as compared to manual equipment throughout the lifting, loading, and unloading process.[9]

up to **62%**

decrease in the risk of developing a low back disorder when adding powered fasteners and powered cots to the loading process.[9]

Power-PRO XT

Specifications

Model Number	**6506**
Height[1] (infinite height positioning between lowest and highest position)	
Highest Position	41.5 in. (105 cm)
Lowest Position	14 in. (36 cm)
Length	
Standard	81 in. (206 cm)
Minimum	63 in. (160 cm)
Width	23 in. (58 cm)
Weight[2]	125 lb (57 kg)
Wheels	
Diameter	6 in. (15 cm)
Width	2 in. (5 cm)

Articulation	
Backrest	0–73°
Shock Position	+15°
Optional Knee Gatch	30°
Maximum Weight Capacity[3]	700 lb (318 kg)
Minimum Operator Required	
Occupied Cot	2
Unoccupied Cot	1
Recommended Fastener System	
Power-LOAD	Model 6390
Floor Mount	Model 6370 or 6377
Wall Mount	Model 6371
Recommended Loading Height[4]	Up to 36 in (91 cm)

[1] Height measured from bottom of mattress, at seat section, to ground level.

[2] Cot is weighed with one battery pack, without mattress and restraints.

[3] 700 lb weight capacity with an unassisted lift capacity of 500 lb (Cot loads over 300 lb (136 kg) may require additional assistance to meet the set cot load height).

[4] Can accommodate load decks up to 36 in. Load height can be set between 26 in and 36 in.

Stryker reserves the right to change specifications without notice.

In-service video included with every order.

The Power-PRO XT is designed to conform to the Federal Specification for the Star-of-Life Ambulance KKK-A-1822.

The Power-PRO XT is designed to be compatible with competitive cot fastener systems.

Meets dynamic crash standards with Power-LOAD cot fastening system (AS/NZS-4535, BS EN-1789 with X-restraints and SAE J3027) and Performance-LOAD cot fastening system (SAE J3027 with X-restraints).

Power-LOAD

Specifications

Model Number	6390
Length	
Overall length	95 in (241 cm)
Minimum length	89.5 in (228 cm)
Width	24.5 in (62 cm)
Weight	
Total weight	211.5 lb (96.5 kg)
Floor plate assembly	16.5 lb (7.5 kg)
Anchor assembly	23 lb (10.5 kg)
Transfer assembly	67 lb (30.5 kg)
Trolley assembly	105 lb (48 kg)

Maximum weight capacity*	700 lb (318 cm)
Minimum operator required	
Occupied cot	2
Unoccupied cot	1
Recommended loading height 22 in to 36 in (56 cm to 91 cm)	
Battery (6390-001-468)	12 VDC, 5 Ah lead acid battery

1. Maximum weight capacity represents patient weight. Safe working load of 870 lb (395 kg) represents the sum of the cot total weight and patient.

The Power-LOAD Cot Fastener System is designed to conform to the Federal Specification for the Star-of-Life Ambulance KKK-A-1822.

*Source: Ada County Paramedics Case Study, ems.stryker.com/knowledgecenter

**Source: Evaluation of Medical Cot Design Considering the Biomechanical Impact on Emergency Response Personnel Tycho K. Fredericks, Steven E. Butt, Kimberly S. Harms, and James D. Burns. ems.stryker.com/knowledgecenter

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