

stryker

Powered loading system





Reduce the risk of injuries when loading and unloading cots

Being an EMS worker is a demanding job, both physically and emotionally. The repetition of loading and unloading cots in and out of an ambulance day after day can take its toll on the body.

Power-LOAD[®]
powered fastener system

Injury reductions

100%

reduction in cot related injuries saved one service \$545,500 in 4.5 years.⁴

99%

of those surveyed agree our Powered System has made their job easier.⁵

Adverse cot events reduced

96%

by one service with the assistance of the Power-LOAD cot fastener system and Power-PRO XT cot.⁶

1 in 4

1 in 4 EMS workers will suffer a career ending back injury within their first four years in the field¹. The number one cause – Lifting. Our Power-PRO XT powered ambulance cot utilizes a battery-powered hydraulic system effectively raising and lowering a cot at the touch of a button. Use of the Power-PRO XT has proven to reduce spinal loading, resulting in reduced injuries, lost or modified workdays and Workers' Compensation costs, and increased recruitment and retention.



Power-PRO[®] XT
powered ambulance cot



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

Proven to save guarantee^{2,3}

100% **reduction** in
missed safety hooks

At Stryker we stand behind our products. For qualifying purchasers², upon standardization, Stryker offers a program that guarantees at least a **50% reduction** in cot-related injuries pertaining to raising, lowering, loading and unloading cots and **100% reduction** in missed safety hooks while unloading cots with the Power-PRO and Power-LOAD in full power operation. If not, Stryker will refund the price paid for the Power-PRO cots and Power-LOAD cot fastening systems.³

50% **reduction**
in cot related injuries

Power-PRO® XT

Specifications

Model Number	6506
Height¹ (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)
Weight²	125 lb (57 kg)
Wheels	
Diameter	6 in. (15 cm)
Width	2 in. (5 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.

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 and SAE J3027 with X-restraints) and Performance-LOAD cot fastening system (SAE J3027 with X-restraints).

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The yellow and black color scheme is a registered trademark of Stryker Corporation

Articulation

Backrest	0 – 73°
Shock Position	+15°
Optional Knee Gatch	30°

Maximum Weight Capacity³	700 lb (318 kg)
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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 Height⁴	Up to 36 in (91 cm)
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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)
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Minimum operator required	
Occupied cot	2
Unoccupied cot	1

Recommended loading height	22 in to 36 in (56 cm to 91 cm)
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Battery (6390-001-468)	12 VDC, 5 Ah lead acid battery
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*Maximum weight capacity represents patient weight and accessories. 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.

1. Sanders, Mick J. (2011) Mosby's Paramedic Textbook (4th ed., p. 36)

2. Please contact your sales representative to see if you qualify for the EMS Guarantee.

3. Subject to the terms and conditions of EMS proven to save.

4. Reference: Stryker (2018). EMSStat – Norman Regional Health System Case Study (Case Study on Power-PRO XT cots and Power-LOAD cot fastening systems). Retrieved from: <http://ems.stryker.com>

5 Reference: Stryker. (2012). Superior Ambulance Case Study [Case Study on Power-PRO XT cots]. Retrieved from: <http://ems.stryker.com>

6. Emergency Medical Services Authority. (2015). Risk Reduction Success Story: Utilization of the Stryker Power-LOAD Cot Fastener System in the EMSA System. Tulsa, Oklahoma and Oklahoma City, Oklahoma: Emergency Medical Services Authority. *Data provided by EMSA

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