

ekso EVO

AMPLIFYING HUMAN MOBILITY

Introducing Ekso EVO

Ekso EVO is a lightweight upper body exoskeleton that provides chest level and overhead support to alleviate the burden of repetitive work for the neck, chest, back, and shoulders. On the job injuries to the upper body are the most common causes of lost productivity and workdays. Based on collaboration and insights from Ekso's global customer base and experience with our ground-breaking EksoVest technology, Ekso EVO was designed specifically to stabilize and lift while improving the user experience.



Supports Natural Movement

Ekso EVO's left and right shoulder support structures are completely decoupled allowing for full flexibility of the user's torso and waist. This design makes twisting and bending feel completely natural. The user's back is also free of structure, allowing unrestricted airflow to prevent overheating and leaving plenty of room for a fall harness.

Full Range of Motion

Our patented stacked-link structure supports the user's arms through the full range of motion without inhibiting movement, while also providing proper joint alignment. Extreme positions like reaching directly overhead, across the body, or even into a back pocket for a phone or tool are totally unrestricted. Proper ergonomics support longer and safer careers.

Low Profile, Easy to Use

Ekso EVO is designed to only contact the user's body where absolutely necessary – including the elimination of annoying shoulder straps – while still staying firmly in place during use. The result is more comfortable and cooler to wear than even a backpack, especially in hot environments. It is also easy to put on and take off without any assistance.

Durable & Rugged Design

Ekso EVO's actuators are proven to be extremely durable with millions of cycles of testing and field data. The assistance level can be customized for the user and task by easily swapping out the set of springs that provide between 5 and 15lbs of support per arm for increased productivity. Support levels can be selected for each arm independently.

Lightweight, No Compromises

A light weight can be achieved without sacrificing functionality. Ekso EVO strikes the optimal balance between device weight, functionality, assistance levels, and durability.

Easily Transported & Stored

With the included durable 26-inch tool-bag style carrying case, Ekso EVO stores, ships, and transports to and around the job site easily and conveniently. Interior pockets provide ample storage for accessories and other tools.



Technical Data

Weight	9 lbs (4.1 kg)
Assistance Force Range	5.2 - 15.7 lbs
Height Range (Approximate)	5'0" - 6'7" (152 - 204 cm)
Waist Range	26" - 56" (66 - 142 cm)
Bicep diameter	9" - 20" (23 - 51 cm)
Maintenance	Maintenance Free - Soft goods are machine washable
Actuation Method	Gas springs
Durability	Springs - 1.5 million cycles Actuators - 7.5 million cycles
Environmental Protection	Water and dust resistant
Storage Temperature	-30 - +63 C
Spring Assistance Levels	Levels 1 - 5 (Level 2 springs included)
Arm Cuff Sizes	Small - X Large (Size med included)
Actuation Range	20 - 195 degrees Adjustable by +/- 10 deg