

hapo[®] Up

The exoskeleton for work at height

Imagine a technology that takes inspiration from nature to create sustainable innovation. Using the structure of bee cells, the HAPO UP exoskeleton is designed to offer maximum strength with minimal material.

Lightweight, powerful, and intuitive in nature, the HAPO UP is designed to provide relief to the upper limbs of workers who wish to limit muscle strain and the onset of repetitive strain injuries.

The HAPO UP offers protection to the shoulders and arms when working in awkward and prolonged postures with arms raised or when handling loads vertically.



Features

Assists the upper limbs	Work with arms up, moving light loads in the vertical plane
Range of motion with assistance	Up to 60° to 180° vertically Up to 180° horizontally
Passive and adjustable assistance	Up to 8.37 lbs (3,8 Kg) per arm Carbon arm, composite blade
Size	Unique
Mass	3.68 lbs (1.67 Kg)
Set up time	50 seconds
Time to remove it	20 seconds