

Hapo exoskeletons

# Innovative technology enhancing human capability



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**hapo**

EFFORTLESS



## hapoHD

The Hapo HD (Heavy Duty = built to withstand demanding conditions) is a lightweight, non-powered assistance device that uses an artificial muscle to reduce back strain, support bending and lifting movements, and promote an upright posture.

<b>Exoskeleton Size</b>	One size
<b>Weight</b>	1.130 kg 2.49 lb
<b>Color</b>	Black
<b>Type of Assistance</b>	Non-powered (composite material springs)
<b>Assistance</b>	Standard
<b>Terms of use</b>	-10°C to +50°C / Dry environment -14°F to +122°F / Dry environment
<b>Warranty</b>	2 years



Find out more about the Hapo HD



## hapoBR

The Hapo BR is an exoskeleton designed to provide long-lasting back relief through spinal decompression while maintaining a high degree of freedom of movement. Adjustable with multiple belt sizes, it easily adapts to all body types.

<b>Exoskeleton Size</b>	S1, S2, S3 (upper belt and lower belt)
<b>Weight</b>	0.885 kg 1.95 lb
<b>Color</b>	Black
<b>Type of Assistance</b>	Non-powered (composite material springs)
<b>Assistance</b>	Standard
<b>Terms of use</b>	-10°C to +40°C / Dry environment -14°F to +104°F / Dry environment
<b>Warranty</b>	2 years



Find out more about the Hapo BR



## hapoBACK

Designed to relieve the back on demand, Hapo BACK is dedicated to lumbar support. It reduces fatigue caused by prolonged bending and helps prevent back pain and lower back issues.

<b>Exoskeleton size</b>	S1, S2, S3
<b>Weight</b>	1.1 Kg 2.4 lbs
<b>Colors</b>	Black or white
<b>Type of assistance</b>	Non-motorized (springs: composite material)
<b>Assistance</b>	Standard
<b>Terms of use</b>	-10°C to +40°C / Dry environment -14°F to +104°F / Dry environment
<b>Warranty</b>	2 years



Find out more about the Hapo BACK



## hapoCS

Optimized to fit the female physique, Hapo CS provides lumbar support and chest comfort. It reduces back fatigue and helps prevent pain and the risk of musculoskeletal disorders (MSDs).

<b>Exoskeleton size</b>	S1, S2 (harness) and S1, S2, S3 (springs)
<b>Weight</b>	0.850 Kg 1.9 lbs
<b>Colors</b>	Black or white
<b>Type of assistance</b>	Non-motorized (springs: composite material)
<b>Assistance</b>	Standard
<b>Terms of use</b>	-10°C to +40°C / Dry environment -14°F to +104°F / Dry environment
<b>Warranty</b>	2 years



Find out more about the Hapo CS



## hapoSD

Designed to relieve the back in all positions, Hapo SD provides lumbar support even during squatting or kneeling tasks. Sturdy and durable, it reduces fatigue and back strain.

<b>Exoskeleton size</b>	S0, S1, S2, S3
<b>Weight</b>	0.950 Kg 2.1 lbs
<b>Colors</b>	Black or white
<b>Type of assistance</b>	Non-motorized (springs: composite material)
<b>Assistance</b>	Standard or Hard
<b>Terms of use</b>	-10°C to +40°C / Dry environment -14°F to +104°F / Dry environment
<b>Warranty</b>	2 years



Find out more about the Hapo SD



## hapoFRONT

Designed for repetitive «arms forward» movements, Hapo FRONT provides support for the shoulders, arms, and elbows, helping to prevent pain related to tendinitis and rotator cuff injuries.

<b>Exoskeleton size</b>	One size
<b>Weight</b>	1.3 Kg 2.9 lbs
<b>Colors</b>	Black
<b>Type of assistance</b>	Non-motorized (springs: composite material)
<b>Assistance</b>	Standard (up to 4 kg) or Hard (up to 6 kg) Standard (up to 8.8 lbs) or Hard (up to 13.2 lbs)
<b>Terms of use</b>	-10°C to +40°C / Dry environment -14°F to +104°F / Dry environment
<b>Warranty</b>	2 years



Find out more about the Hapo FRONT



## hapoUP

Helps support «arms raised» postures and movements by providing shoulder and arm support, and helps prevent tension, pain, and the risk of musculoskeletal disorders (MSDs).

<b>Exoskeleton size</b>	One size
<b>Weight</b>	1.67 Kg 3.7 lbs
<b>Colors</b>	Black
<b>Type of assistance</b>	Non-motorized (springs: composite material)
<b>Assistance</b>	Adjustable up to 7.6 kg Adjustable up to 16.8 lbs
<b>Terms of use</b>	-10°C to + 40°C / Dry environment -14°F to + 104°F / Dry environment
<b>Warranty</b>	2 years



Find out more about the Hapo UP



## hapoNECK

Adapted for neck extension and «looking up» postures, Hapo Neck provides support for the neck muscles and helps prevent pain and the risk of cervical issues.

<b>Exoskeleton size</b>	One size
<b>Weight</b>	0.300 Kg 0.7 lb
<b>Colors</b>	Black
<b>Type of assistance</b>	Non-motorized (springs: composite material)
<b>Assistance</b>	Standard
<b>Terms of use</b>	-10°C to + 40°C / Dry environment -14°F to + 104°F / Dry environment
<b>Warranty</b>	2 years



Find out more about the Hapo NECK

# The Hapo difference

Hapo has developed a complete range of lightweight, non-motorized exoskeletons designed to provide targeted solutions in reducing postural risk factors and the onset or worsening of musculoskeletal disorders (MSDs) in the workplace. With a design focused on the human body, each exoskeleton offers maximum efficiency while respecting the natural movements of the body and is tailored to specific postures and areas of the body.



**Optimized power**



**Efficient/ Comfortable**



**Light & durable**



**Full freedom**



**Easy to use**



**Practical**



**Discreet**



**Autonomous**



## Perform your postural analyses for free with the Hapo LEA app

Poor posture + improper movements = high risk of MSDs (Musculoskeletal Disorders). With just one click, for free and in complete confidentiality, detect and analyze your postural risks using Hapo LEA.



**Download the postural assessment app**



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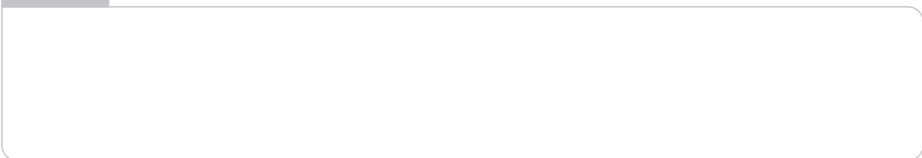


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