



EasyExo





EasyExo is a soft passive exoskeleton that is designed to provide assisted support to the user without the need for an external power source. EasyExo supports posture correction by providing intra-abdominal pressure to the user's lower back. This helps protect against strain and injury, enhancing productivity, safety, and overall ergonomics.

## KEY BENEFITS



### Musculoskeletal Support

Provides "assisted-power" to reduce musculoskeletal strain on the user; ensuring that the user maintains the correct posture when carrying out physical activities.

### Comfortable Fit

To provide form-fitting experience without hindering the user's mobility.

### Lightweight and Durable

Incorporating our lightweight, high-strength TITAN laminate. It is also abrasion resistant, enabling operations in various environments.

*Note: EasyExo DOES NOT give the user extra strength or energy to carry or lift heavier items.*

## APPLICABLE INDUSTRIES



# KEY FEATURES

## Chest Strap

Provides upper body stability & prevents slouching

## Belly Strap

Stabilises the lower back & supports load transfer

## Thigh Strap

Supports load transfer to the legs & assists joint alignment (hip & knee)



## Harness

Supports spine & prevents excessive bending

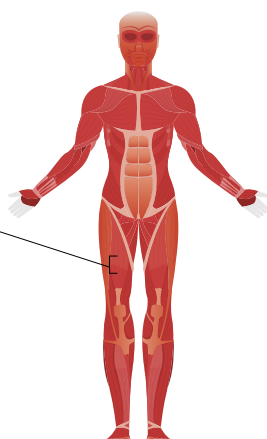
## Y-Elastic

Allows natural movement & flexibility while providing secure fit

# PERFORMANCE

## Thigh

7% More Muscle Activation



## Thoracic

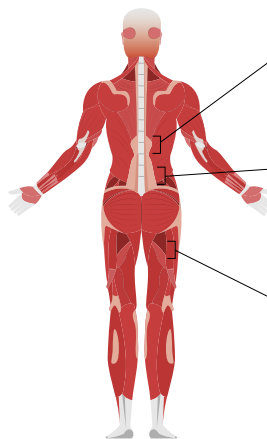
17% Less Muscle Activation

## Lumbar

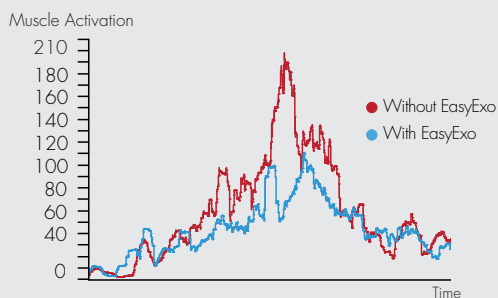
20% Less Muscle Activation

## Hamstring

11% More Muscle Activation



Lumbar Muscle Activation Profile



## Reduction in Lower Back Muscle Activation

Weight is redistributed to the upper leg area, resulting in an increased muscle activation (REDUCED: 20% at Lumbar and 17% at Thoracic, INCREASED: 11% at Hamstring and 7% at Thigh).

# PRODUCT SPECIFICATIONS

<b>Colours [Model No.]</b>	Black [180J9100], Yellow [180J9111]
<b>Base Fabric Material</b>	Polyester, Nylon, TITAN Laminated Fabric
<b>Fabric Tensile Strength</b>	> 2300 N
<b>Webbing Material</b>	Polyester
<b>Webbing Tensile Strength</b>	> 4890 N
<b>Elastic Band Tensile Strength</b>	2050 N
<b>Water Repellency Spray Test</b>	Rate 5
<b>Oil Repellency</b>	Rate 4
<b>Velcro Peel Strength</b>	> 3.0 N/cm
<b>Thread Material</b>	Polyester
<b>Sizing</b>	Size 1: S - XL, Size 2: L - 3XL
<b>Mass</b>	Size 1: 1 kg, Size 2: 1.1 kg
<b>Operating Temperature</b>	10 °C to 50 °C

*Note: Specifications are subject to change by the manufacturer without prior notice. Pictures shown are for illustrative purposes only, actual product may vary.*