

mafell
creating excellence

Exo-Stabilizer

BionicBack BB-1 / BB-CP

Exo-Stabilizer BionicBack BB-1

Wearable support

SUPPORT WHEN LIFTING AND WHEN WORKING WHILE STOOPING



24% less exertion and 86% less fatigue. In your profession, hard physical work is unavoidable. The BionicBack brace distributes the forces acting on your body as efficiently as possible. By easing the load on your muscles and joints, it reduces physical strain.

ENHANCED EFFICIENCY



Back pain is a major cause of absence from work. Wearing the BionicBack enhances physical performance: serving as an exoskeleton, it improves your strength and endurance, and shortens the time it takes to perform tasks.

UNRESTRICTED MOVEMENT



Coupled with ergonomic design, lightweight flexible materials provide support in a controlled way. And the perfect fit makes the brace comfortable to wear and offers the greatest possible freedom of movement.

FIT FOR WORK AND PLAY

Wearing the BionicBack reduces fatigue in your back and leg muscles right from the start, so that you and your team can conserve enough energy to enjoy the leisure time that follows a hard day's work.



By maintaining your natural posture according to scientific principles, the BionicBack functions as a brace to be worn when performing bending and lifting tasks. It offers assistance and reduces physical strain. The innovative device has been designed specifically to support the wearer's movements.

BACKPLATE

The perfect balance between stiffness and flexibility. Mirroring the biology of the spinal column, the BionicBack merges high tech with modern materials.

BOOSTER FUNCTION

Adjustable dosage of support for perfect adaptation to static or dynamic work tasks.



HYGIENE PADS

Detachable pads promote good hygiene practices and allow the brace to be shared and regularly machine-washed. There's no reason not to wear the brace even when working up a sweat.

APPLICATIONS

- For dynamic tasks, such as lifting and setting down items.
- For static tasks, typically when working in a stooped position.

WORTH KNOWING:

The physical stresses that occur while bending and lifting are reduced by 30 percent. Tipping the scales at just 1.2 kg, the brace is extremely comfortable to wear. Because it is modeled on the human skeleton, the wearer retains maximum freedom of movement.

Putting people first – user-friendliness was the top priority during development of the BionicBack. Intuitive adjustment, low weight and a durable construction produce a feel-good factor right from the start.

STRAPPING

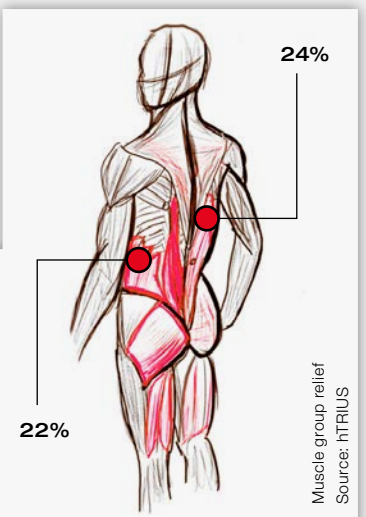
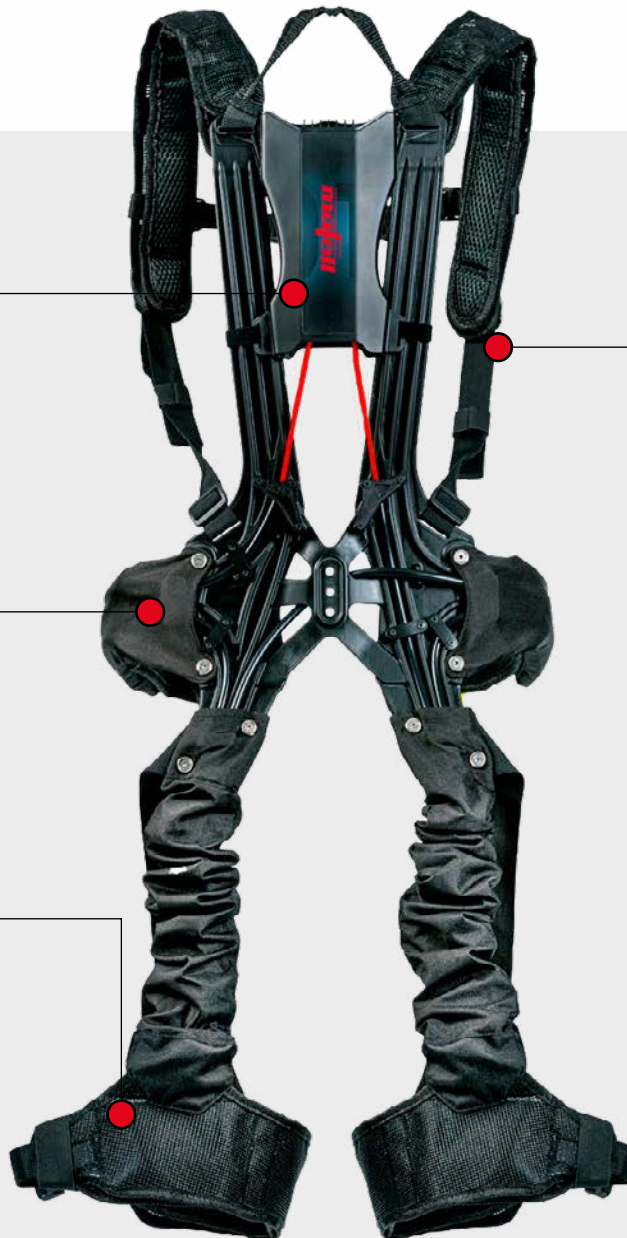
Enables the wearer to put on the BionicBack easily without any assistance. The shoulder strap can be adjusted quickly to any length. Perfect wearing comfort with short adjustment time.

TECHNICAL DATA

Sizes:	One-size
Weight:	1,2 kg (2,65 lbs)
Order No.	095262

DELIVERY SCOPE

- 3 Extension straps
 - 1 Toolbag TZ-WT30
- Order No. 095261



Exo-Stabilizer BionicBack BB-CP

Lifting aid with built-in safety

SUPPORT WHEN LIFTING



The forces acting on the body when lifting are distributed as efficiently as possible, while the integral fall protection harness provides additional safety. The BionicBack BB-CP thus offers support wherever heavy lifting and working at height go hand in hand.

D-RING CONNECTION POINT



The connecting device is attached to the central D-ring connection point on the chest or back. The harness is compatible with all certified fall protection systems, for example those with a shock-absorbing lanyard or self-retracting lifeline.

UNRESTRICTED MOVEMENT



The design of the BB-CP, with its padded fabric components, creates an integrated system that combines the fall protection harness with the Exo-Stabilizer. Ergonomic integration gives rise to high wear comfort while imposing virtually no restriction on the wearer's freedom of movement.

PURPOSE

Back pain and falls rank among the most common causes of long-term absences from work. Apart from the personal consequences, these can also have major cost implications for employers. The BionicBack CP is an adaptable working aid capable of reducing both of these risks. In work environments where fall protection is not prescribed, the BB-CP can simply be worn without the harness.



The BB Combi Protect is the perfect aid when undertaking physically demanding work in combination with certified fall protection systems. It thus brings together the benefits of both good ergonomics and safety. It supports the back when confronted with dynamic lifting movements while at the same time enhancing safety at work.



BACKPLATE

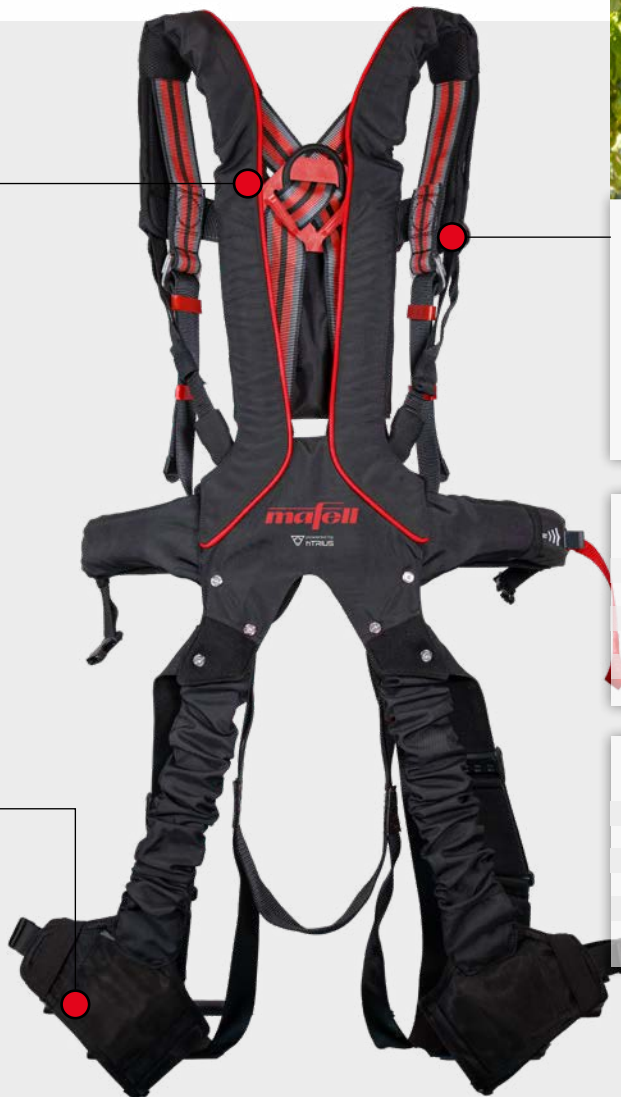
The perfect balance between stiffness and flexibility. Mirroring the biology of the spinal column, the BionicBack merges high tech with modern materials.

HYGIENE PADS

Detachable pads promote good hygiene practices and allow the brace to be shared and regularly machine-washed. There's no reason not to wear the brace even when working up a sweat.

APPLICATIONS

- For dynamic tasks, such as lifting items and setting them down.
- Compatible with certified fall protection harnesses



STRAPPING

Enables the wearer to put on the BionicBack easily without any assistance. The shoulder strap can be adjusted quickly to any length. Perfect wearing comfort with short adjustment time.

TECHNICAL DATA

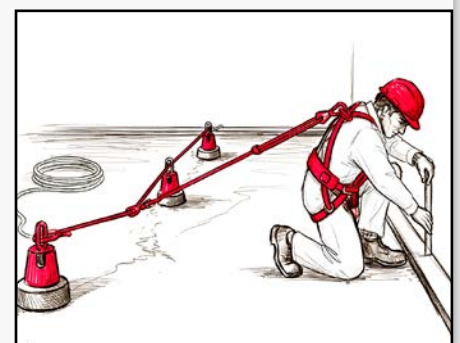
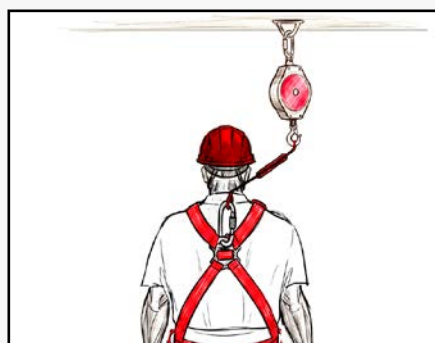
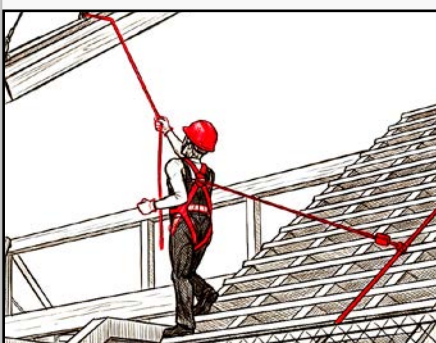
Sizes:	One-size
Weight:	1,36 kg (3 lbs)
Order No.	095299

DELIVERY SCOPE

- 1 Fall protection harness
ABS PS-Comfort
- 3 Extension straps
- 1 Chest strap
- 1 Toolbag TZ-WT
Order No. 095261



SUITABLE FOR COMMON FALL PROTECTION SYSTEMS:



In order to develop a better tool for carpenters, we at MAFELL often take a special approach: We change our point of view and completely reconceive the tool in essential parts. At the same time, we always keep in mind the future requirements of the woodworking trade.

From this way of thinking, paired with an outstanding material and processing quality, amazing solutions emerge again and again. For example, in terms of functionality and ease of use. It is our claim that you no longer have to think about your tools when doing your work. Simply because we at MAFELL have already done so extensively. After all, we have a common goal: the perfect job. Or in brief:

creating excellence

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