

laevo

Laevo V2.3 user manual

Bending forward and working in a forward bended position
with a wearable chest and back support



Make sure that you read and understand this manual before you use the Laevo.

This manual is intended for users of the Laevo. This manual contains all the information necessary for optimal use of the Laevo. It also contains important safety and maintenance information and describes potential problems related to use.

Always keep this user manual in the vicinity of the Laevo so that you always have access to information about its use, maintenance and safety.

All information, pictures, illustrations and specifications are based on the product information that was available at the time this manual was printed. The pictures and illustrations are general examples; your individual product may differ from the pictures and illustrations shown here.

The manual can also be requested at Laevo or viewed online at www.laevo.nl. If you still have questions after reading the manual, please feel free to get in touch with Laevo or your supplier. You can find the contact information on the last page of this manual.

Kind regards,

Team Laevo

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1. Introduction

The Laevo is wearable (back) support which supports bent-forward work and making a lot of lifting movements.

The Laevo relieves the load on the back when working or moving around. Use it when you suffer from backaches or if you are trying to prevent them. The portable structure lessens the relative weight of the upper body and reduces the load on your lower back. The Laevo is a posture supporting tool that enhances the sustainable employability of a person.

The Laevo is intended to facilitate bent-forward work and lifting. The Laevo also allows you to walk, work while standing erect or stretch outwards or upwards. Any use other than that described in this manual is considered unintended use. If you have any doubts about proper use, please contact Laevo.

The Laevo makes bent forward activities easier on the back. Because the Laevo reduces the load on the lower back you can do these activities more often, for longer distances or with more weight.

But the Laevo may NOT be used to do lifting that is heavier than permitted by law. The effect on the maximum liftable weight is limited. The Laevo is not meant to replace lifting aids for heavier weights.

Liability

Laevo B.V. cannot be held liable for:

- personal injury or damage to property as a result of a user or third party not following the recommendations, warnings or contained in this manual,
- damage due to changes and/or alterations to the original product; wear, damage caused by the user due to improper use; damage due to use of non-original replacement parts.

Maximum number of bends

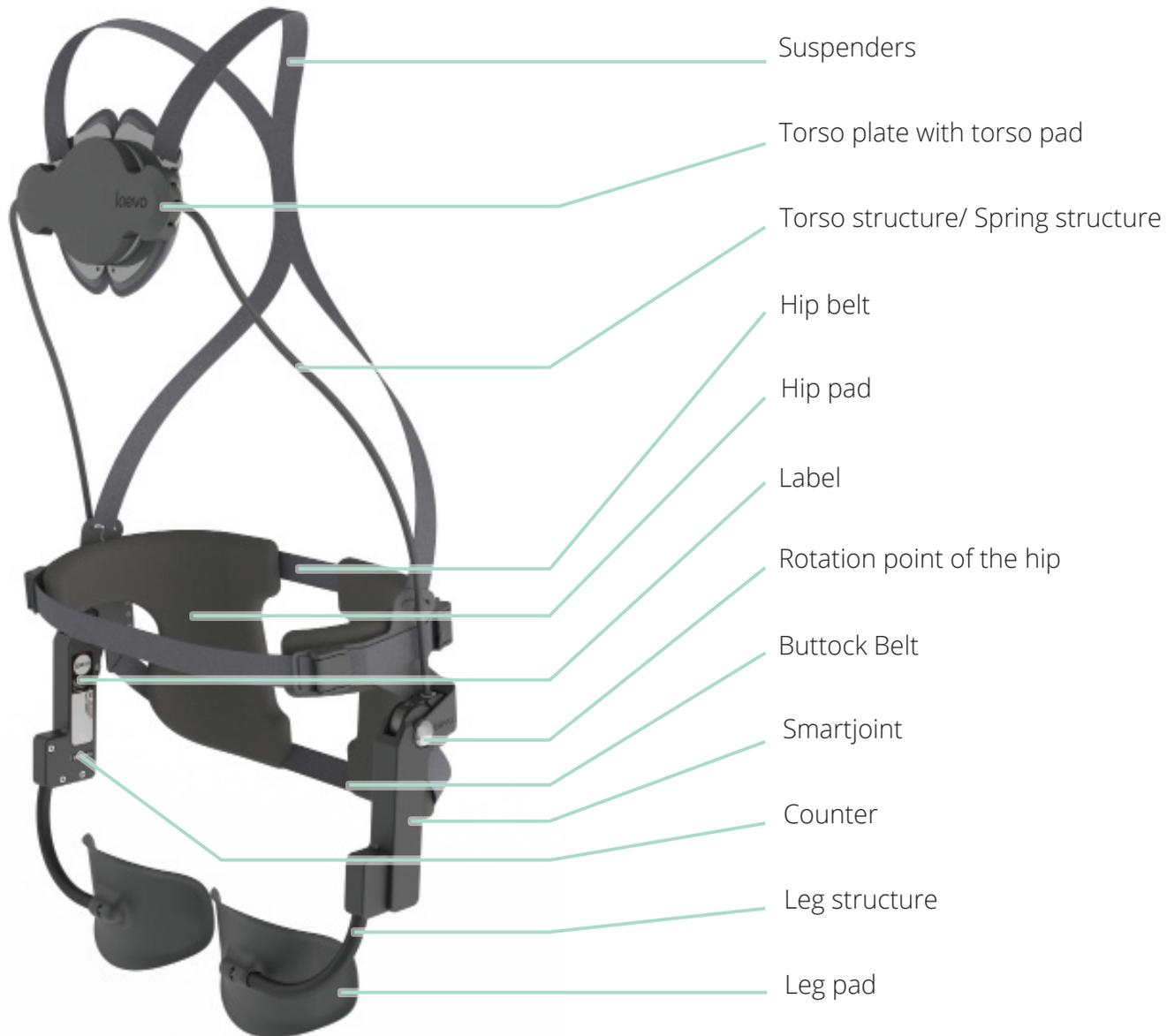
The Laevo has been tested for a minimum of 250,000 load cycles. The number of bends is displayed on the counters that have been integrated into the smart joint. When one of the counters reaches 250,000 load cycles, the Laevo may NO longer be used. The Laevo must then first be maintained by Laevo before it can be used again. Please contact Laevo for this purpose.

Warranty

Should the Laevo exhibit any defects within the first year after purchase, please contact Laevo and we will see to a suitable solution.

The warranty conditions are sent to you in the same package, separate from the Laevo itself.

2. Image overview



3. Installation

The instructions below can also be partially found in the Quick-Guide. When you are in doubt you can always call Laevo.

Preparations

The Laevo is personally delivered or transported in a cardboard box with filler material. This box contains:

- A Laevo,
- A Quick-Guide for first use,
- This manual,
- The warranty conditions.

If custom: check label

The Laevo is often customized for one person, only use your own Laevo. Check the label on the inner side of the Smart-joint to make sure you have received the right Laevo.

If not customized

No harm can be done if you are wearing a Laevo that is not custom for you. However it can affect the comfort, ease of use and the effectiveness. If you are not using a custom Laevo, make sure that you adjust it to the most comfortable settings. Should you have the idea that the dimensions of the Laevo do not fit your physique, immediately stop using it and contact Laevo.

Putting on and setting up the Laevo

The Laevo has different bands and belts that need adjustment. Follow the Quick-Guide to go through these steps:

1. Take the Laevo out of the box.
2. If necessary, check the label.
3. Make sure that the buttock strap, hip belt and suspenders are adjusted to the largest size.
4. Put the Laevo on like a coat.
Close the torso plate .
Close the hip belt .
5. Bring the hip belt of the Laevo to belt height by adjusting the length of the suspenders.
6. Pull the hip belt tight
7. Align the center of rotation of your hip with the center of rotation of the Laevo.
8. Pull the buttock belt tight, so that it fits comfortable.

First movements

The first time you use the Laevo, make the following movements with it to see how it feels:

- Bend forward,
- Bend your knees,
- Bend forward sideways and stretch outwards.

The movements should be comfortable and easy. Should this not be the case, then you should contact your supplier or Laevo BV.

Checks

Check the next settings of the Laevo with the Quick-Guide:

- A. The height and the fitting of the leg pads on the thighs.
- B. While standing straight there is only a little pressure of the torso pad on the chest. It is okay for the torso pad to come loose from the body.
- C. The torso structures will closely follow the contours of the body, so your arms still have sufficient freedom of movement.
- D. While you are bending forward, the torso pad should NOT touch your neck. Should this happen, then you need to tighten the buttock band or adjust the Smartjoint to the back. You can read in Quick-Guide step 9 how to adjust the Smartjoint placement.
- E. While you are bending forward the torso pad should not turn in such a way that the edge touches your body. If this happens, contact Laevo BV.

4. When using the Laevo

Work posture

The following activities can be performed with the Laevo:

- Forward bended working,
- Lifting,
- Bending to the ground,
- Kneeling and squatting,
- Stretching outwards and upwards,
- Walking.

It is not advisable to perform the following activities with the Laevo:

- Walking up and down stairs,
- Running,
- Climbing,
- Sitting.

User environment

The Laevo is designed for indoor use.

- ▲ The Laevo may not be used or stored in direct sunlight.
- ▲ The Laevo may not be used in a setting where the ambient temperature is lower than 0 °C or higher than 40 °C.

Gradually increase use

Gradually increase first use of the Laevo: from 1 hour a day, to 2 hours a day, to 4 hours a day, to 6 hours a day and to the maximum time of 8 hours a day.

Storage

When the Laevo is not being used, it is best to hang it on a hat rack or in a clothes locker. It is less suitable to lay the Laevo down somewhere. In any case, make sure that it is stored in a dry place.

5. Precautionary measures and safety instructions

Failure to comply with the information contained in these precautionary measures and safety instructions could result in injury to the user(s) and/ or damage to the product. Please read this information carefully.

Discontinue use and contact the distributor or manufacturer....

- ▲ when experiencing physical complaints or when in doubt,
- ▲ when wearing the Laevo becomes less comfortable,
- ▲ when a part is dysfunctional (for example: a buckle or a hinge),
- ▲ if you notice visible damage.

Sometimes the solution is just to build up the frequency of the usage again.

Laevo and your physical condition

The Laevo is not safe for use by individuals with one of the following conditions: a pacemaker, breast implants, removal of the axillary lymph nodes.

Individuals with one of the following conditions should contact a physician prior to using the Laevo. For example, it can be advised to do a extra slow build-up of the wearing time. This applies for the following conditions: inguinal hernia, knee injury, hip prosthesis, knee prosthesis, hernia, hyperextended knee, recent new knee or hip.

- ▲ Do not wear the torso pad against exposed skin.
- ▲ If CPR, or a defibrillator, has to be used on someone wearing a Laevo, the Laevo must first be disengaged. This can be done by pulling apart the two halves of the torso pad and the belt buckle, making it possible to flip the Laevo outward and expose the chest.

Avoid dangerous situations

- ▲ The Laevo is only intended for professional use.
- ▲ Only use a Laevo that has been customized to your body.
- ▲ Do not use any flammable substances (e.g. matches, lighters, candles) in the vicinity of the product. The materials used in the Laevo are not flame retardant.

Avoid moisture, dust and damages

- ▲ The Laevo must be kept dry. The moving parts of the Laevo must be kept free of any fluids.
- ▲ The mechanical parts of the Laevo must be kept free of sand and other debris.
- ▲ Do not stand on (parts of) the Laevo.
- ▲ Do not place any heavy objects on (parts of) the Laevo.

Wear appropriate clothing

It is inadvisable to wear, while using or carrying a Laevo, a necklace or a scarf.

- ▲ Make sure that there are no hard objects in your clothing or pockets that could become pinned underneath the Laevo.
- ▲ If your clothing becomes ensnared in the smart joint, bend forward to open the smart joint and remove the clothing from the smart joint.

Beware of jamming

Misuse can lead to entrapment, with possible injuries.

- ▲ Never place your hands or fingers near the smart joint.
- ▲ Keep the Laevo away from children and pets.

Beware of bystanders

- ▲ Avoid situations where (potentially aggressive) people might attempt to grab the Laevo, which could lead to a dangerous situation. In such circumstances, it is advisable to wear a (work) jacket over the Laevo to reduce the risk of someone grabbing it.

6. Maintenance, repair and disposal

Cleaning

To clean the Laevo, use a moist cloth, lukewarm/hot water and a mild cleaning product (no cleaning products that contain solvents).

- ▲ Make sure that no water gets into the moving parts. Never immerse the Laevo in water.
- ▲ Do not use any solvents, bleach, polisher or detergent.

Maintenance

Regularly check (according to extent of use):

- the counters on the smart joint,
- for visible damage,
- whether all parts are still securely attached.

Repair

For customer service and repair, please contact your supplier.

Disposal

Please contact the supplier if you no longer need the product or if it needs to be disposed on account of depreciation. We will ensure that it is disposed of properly.

7. Technical specifications

Product

Product name: Laevo
Product number: Laevo V2.3
Serial number: Retrievable on the sticker on the inner sides of the Smartjoints.
Weight: 2.3 kg (5 lb)
Size: Its size depends on the measurements of the user.
Certificering CE - Medical Device Class I



Manual

Manual no: HL-V2.3.0-EN

Manufacturer



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Supplier



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