

INSTRUCTION MANUAL

SPRING

Lightweight wheeled walker



 **besco**medical

CE

CONTENTS

1. Preliminary Note.....	3
2. General information.....	5
2.1 Intended use.....	5
2.2 Indications.....	5
2.3 Contraindications.....	5
2.4 Service life.....	6
2.5 Responsibility.....	6
3. Product and delivery overview.....	6
3.1 Delivery inspection.....	6
3.2 Delivery contents.....	6
3.3 SPRING wheeled walker overview.....	8
4. Preparing the wheeled walker for use.....	9
4.1 Overview of work steps.....	9
4.2 Assembling the front wheels.....	10
4.3 Assembling the rear wheels, tilting aids and brakes.....	12
5. Adapting the wheeled walker to the user.....	14
5.1 Adjusting the push handle height.....	14
5.2 Adjusting the back support height.....	15
5.3 Attaching the bag.....	15
5.4 Adjusting the brakes.....	16
6. Using the Spring wheeled walker.....	18
6.1 Unfolding and folding.....	18
6.2 Walking with the wheeled walker.....	19
6.3 Tilting aid.....	20
6.4 The parking brake.....	20
6.5 The service brake.....	20
6.6 Using the wheeled walker as a seat.....	21
6.7 Carrying the wheeled walker.....	21
6.8 Safety information.....	21
7. “Vario” accessory package (optional).....	22
7.1 Safety Information VARIO Accessory Set.....	22
7.1.1 The wheeled walker as means of transport.....	22

7.1.2	Negotiating obstacles	22
7.1.3	Ramps and slopes	22
7.2	Folding the Vario footrests up and down	23
7.3	Swivelling the Vario footrests up and down	23
7.4	Getting in	24
7.5	Getting out	24
8.	Cleaning and disinfection.....	25
8.1	Cleaning	25
8.2	Disinfection.....	25
9.	Reuse	25
10.	Technical data.....	26
11.	Disposal.....	27
12.	Inspection, repair and maintenance.....	27
13.	Warranty.....	28
14.	Declaration of conformity	29
15.	Own notes	30










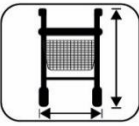


1. PRELIMINARY NOTE

Thank you for choosing the SPRING lightweight wheeled walker.

You won't be disappointed by the quality of our product.

Please read the instruction manual in full before using the wheeled walker for the first time.

It contains important safety information and useful tips for the proper use and care of the wheeled walker. If you have any questions or need additional information, please contact the dealer who supplied you with the SPRING wheeled walker who will be happy to advise you.

	Serial number	Enables the assignment of the medical device to a production batch
	Manufacturer	Indicates the manufacturer of the medical device
	Date of manufacture	Time of manufacture
	Observe instructions for use	The instruction manual must be read in full by the user before use.
	CE marking	Declaration of conformity, device complies with the European Medical Device Regulation MDR 2017/745
	Safety information	Important note on the avoidance of hazards
	Labelling	Medical device
	Important information	Helpful tips for using the product
	Labelling	Label for labelling products that can be used indoors and outdoors
	Labelling	Label indicating the total width and total height of the product
	Labelling	Label for labelling products that need to be protected from direct sunlight and rain
	Labelling	Label indicating the permissible user weight

2. GENERAL INFORMATION

This instruction manual is intended to help you familiarise yourself with the operation and handling of the wheeled walker. It is vital to follow the instructions in the manual when using the wheeled walker. Keep the instruction manual handy and include it if you pass on the wheeled walker to another owner. Please read the instruction manual in full before using the wheeled walker for the first time.

2.1 Intended use

The SPRING wheeled walker is designed for indoor and outdoor use. It is intended to be used exclusively as a walking aid. If the Vario package is used, transport of one person by a carer on level ground is permitted for brief periods.

2.2 Indications

The wheeled walker is suitable for persons with reduced mobility who still have sufficient walking ability, strength and are stable enough on foot to be able to leave the home with the support of the wheeled walker. The wheeled walker is suitable for indoor and outdoor use.

2.3 Contraindications

Use of the wheeled walker is unsuitable in the following circumstances:

- Perception disorders
- Severe balance disorders
- Loss of arms
- Inability to sit

2.4 Service life

The expected service life of the wheeled walker is up to 5 years, provided it is used as intended and the safety, care and maintenance instructions are followed. The wheeled walker can continue to be used beyond this period as long as it is in good condition.

2.5 Responsibility

As the manufacturer, we can only accept responsibility for the safety, reliability and fitness for purpose of the wheeled walker if modifications, extensions, repairs and maintenance work are only carried out by persons who have been authorised by us and the wheeled walker is used in compliance with all instructions for use.

3. PRODUCT AND DELIVERY OVERVIEW

3.1 Delivery inspection

The SPRING wheeled walker is supplied in a cardboard box. After unpacking the item, keep the cardboard box and the packaging material if possible. It can be used to store the wheeled walker at a later date if necessary.

Upon receipt, check that the contents of the delivery are complete and intact. In the case of damage, do not use the product and inform your dealer.

3.2 Delivery contents

The contents consist of the following main components:

- Outer packaging
- Wheeled walker
- Back strap

- Net bag
- Cane holder (2 parts)
- Instruction manual
- Service booklet

When not assembled, the delivery contents also include:

- 2 cardboard boxes with the wheels and necessary fittings



3.3 SPRING wheeled walker overview

- | | |
|----------------------------|----------------------------|
| ① BACK SUPPORT | ⑦ Tilting aid (both sides) |
| ② HANDLE HEIGHT ADJUSTMENT | ⑧ Cane holder |
| ③ TRANSPORT BAG | ⑨ Transport lock |
| ④ FRONT WHEELS (STEERABLE) | ⑩ Seat |
| ⑤ BRAKE BOLTS | ⑪ Brake lever |
| ⑥ Rear wheels | ⑫ Push handles |



Fig. may differ

On the inside of the left frame there is a type plate with serial number and manufacture date, similar to the example on the right:



4. PREPARING THE WHEELED WALKER FOR USE

If your wheeled walker has been delivered pre-assembled, you can skip this section.



Before using the wheeled walker for the first time, parts of it must be assembled. Assembly must only be carried out by qualified persons.

The assembly is explained in detail below.

4.1 Overview of work steps

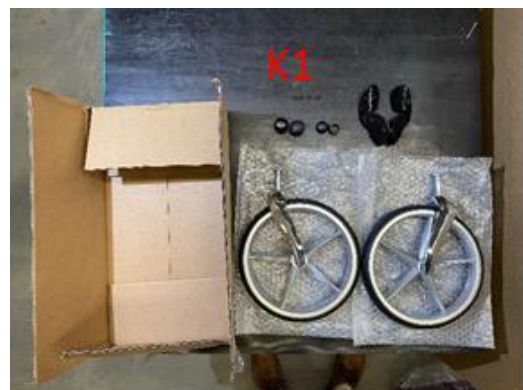
- Assemble the front wheels and put on the castor bushing covers
- Assemble the rear wheels and put on the black cover cap
- Assemble the brakes
- Test the brakes
- Insert the net bag
- If necessary, fit the back strap



Note: A torque spanner with 5 Nm and socket wrenches (sockets) sizes 13 and 19 are required to assemble the wheels.

Contents of box K1:

- 2 x front wheels with axle
- 2 x tilting aids
- 2 x plugs castor bushing (black)
- 2 x plugs axle rear wheels



Contents of box K2:

- 2 rear wheels
- 2 axles with nuts and washers for each
- 2 black cover caps



4.2 Assembling the front wheels

You will need the parts from box K1.



While unpacking, be aware of the risk of injury from catching your fingers between the spokes and the fork.

Insert the axle at the wheel fork into the castor bushing. Make sure that the fork is on the outside of the wheeled walker.

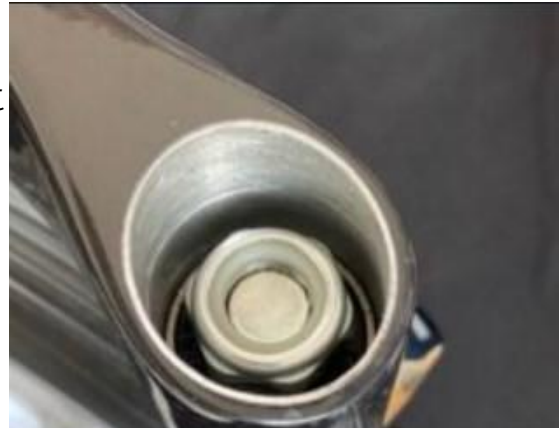
If the fork jams during insertion, this can be remedied by gently shaking it.



Align the axle.



Screw on the nut. First tighten the screw lock and then tighten the nut with a **torque of 5 Nm**.



Carry out a functional test.

Before putting on the cover caps, check the wheels for ease of movement. The cover caps are difficult to remove.



Next, press the cover cap onto the castor bushing.



4.3 Assembling the rear wheels, tilting aids and brakes

You will need:

- 2 axles with nuts and washers from K2
- Both wheels from K2
- 2 tilting aids from K1
- 2 black cover caps from K1

Insert the axle from the inside to the outside, then put on the tilting aid, then the washer and finally the rear wheel.

The image shows the axle mount of the rear wheel and the assembly of the tilting aid.



Important: The washer must be fitted between the tilting aid and the wheel.

If the wheel jams while it is being put on the axle, you can gently shake it to put it on properly.



Tighten the nut of the rear wheel with a torque of 5 Nm.



Before putting on the cover caps, check the wheels for the positioning of the nuts and that they move freely.

Put on the black cover caps.



Assemble the brakes and adjust them.

The brake adjustment is described in the relevant section of this instruction manual.



5. ADAPTING THE WHEELED WALKER TO THE USER

The wheeled walker must be adjusted to the height of the person using it

5.1 Adjusting the push handle height

Adjust the height of the push handles to your height. You do not need any tools to do this.

You will find a red toggle switch below each handle (pictured). Push in a toggle switch at the lower end and keep it pressed down. Now you can pull the handle up or push it down. Release the button when you have reached the desired setting. Now pull or push again until you hear and feel that the handle has clicked into place and can no longer be adjusted.

Repeat the process on the other side to set both handles to the same height.



The correct height setting has been reached when you

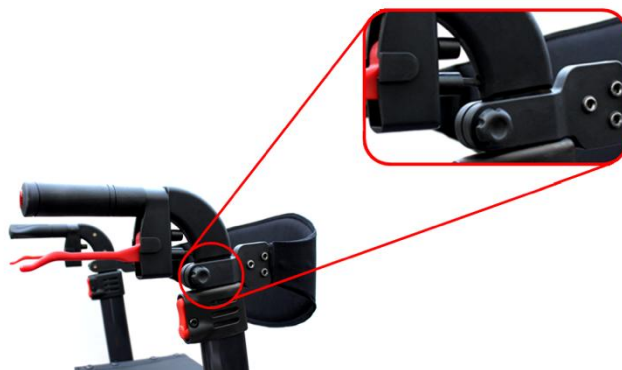
can grasp the push handles standing between the rear wheels with slightly bent arms.



Before use, make sure that both push handles are engaged!

5.2 Adjusting the back support height

You can adjust the height of the back support to your height. You do not need any tools to do this. On the outer sides of the frame directly below the handles, you will find a black adjustment screw on each side (pictured).



Loosen the screw slightly. Now push the back support holder to the desired height. Tighten the screw again.

Repeat the process on the other side.



Warning: An incorrectly fastened back support strap can lead to serious falls! Before each use, make sure that the locking screws are correctly tightened and re-tighten them if necessary. Do not use the back strap if there is obvious damage.



To avoid injury, never lean on the back strap!


5.3 Attaching the bag


The wheeled walker is delivered with the bag fitted. The bag can be easily removed or attached using the guide rails (pictured).




5.4 Adjusting the brakes

Before the first use, the brake must be adjusted. The brake setting should be checked regularly and corrected if required.

 The brakes should be adjusted by trained professionals. If you have sufficient experience however, you can also adjust the brakes yourself. However, please remember that incorrectly adjusted brakes can have life-threatening consequences.

 At regular intervals or if a lack of braking power is noticed, the brakes must be readjusted to compensate for tyre wear.

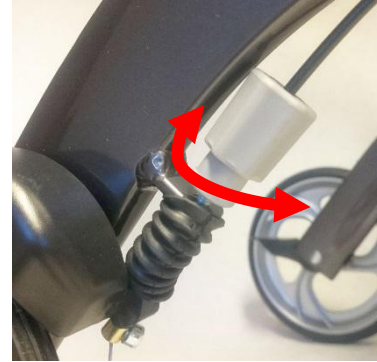
 You can use a 1€ coin as a guide, the thickness of the coin roughly corresponds to the ideal distance between brake and tyre



1. Push the knob down to override the anti-twisting device



2. Re-tighten the Bowden cable by turning it anticlockwise or loosen it by turning it clockwise.



3. Pull the knob up again to prevent unintentional adjustment.



Carry out the above steps in the same way on both sides.

6. USING THE SPRING WHEELED WALKER

6.1 Unfolding and folding

The wheeled walker can be folded for storage to save space.

Release the red retaining latch (Figure 1). Then push the wheeled walker seat down on the outside to unfold it (Figure 2).

There is a lock on the bottom of the wheeled walker to stop it from accidentally folding.

If you hear a distinct snapping sound when unfolding, the lock is properly engaged.

To fold it up, pull the seat up by the handle (Figure 3) and lock it with the red retaining latch (Figure 4).



6.2 Walking with the wheeled walker

Try out the wheeled walker on level, dry ground first. If possible, have someone accompany you. After the first few goes, when you feel more confident, practise using the wheeled walker on sloping surfaces.


The push handles must be adjusted to your height for optimum walking.

Adopt an upright posture to avoid hunching your back.

Stand in the wheeled walker so that your ankles are between the rear wheels.

Walk in small steps without pushing the wheeled walker too far forward, which will make it easier for you to keep your balance.

By pushing the wheeled walker, you determine the speed and change of direction.

Always make sure you apply both brakes at the same time  otherwise the wheeled walker will twist around the braked wheel with the unbraked wheel and you could fall.

Always try to avoid obstacles, e.g. for steps, look for a ramp, for stairs, a lift can be taken. If this isn't possible, the wheeled walker will need to be carried over the obstacle. If possible, seek the help of a second person for this.

6.3 Tilting aid

The wheeled walker is equipped with two tilting aids to help you negotiate kerbs. Stepping on the tilting aid with your foot and simultaneously pulling the wheeled walker towards you by the handles raises the front wheels. This means that you can negotiate kerbs and other smaller obstacles with minimal effort. Please ensure you have steady footing.



6.4 The parking brake


The wheeled walker is equipped with brakes and has a parking brake to prevent it from rolling away unintentionally. The parking brake is operated by pressing down **both** brake levers until you hear or feel them engage. To release the parking brake, pull the brake levers up again.



6.5 The service brake

The service brake is released with the two brake levers on the push handles by pulling them upwards.



 Always make sure you apply both brakes at the same time, otherwise the wheeled walker will twist around the braked wheel with the unbraked wheel and you could fall.

6.6 Using the wheeled walker as a seat

The wheeled walker is equipped with a seat and a back support. Before sitting down, you must apply **both** parking brakes, otherwise the wheeled walker could roll away and there is a risk of falling.



Avoid using an extra cushion for the seat as it could slip and there is a risk of falling.

6.7 Carrying the wheeled walker

To carry the wheeled walker, e.g. over an obstacle, fold it up and fasten the red retaining latch. Carry the wheeled walker by the handle attached to the top of the seat.

6.8 Safety information

Before each use, inspect the wheeled walker for damage and check that the brakes are working properly.



The wheeled walker is not suitable for use on escalators (risk of falling!).

The material of the wheeled walker is not flame-retardant.

The maximum load capacity of the wheeled walker and the net bag must not be exceeded. The wheeled walker must not be used to transport loads. The carrying bag is not suitable for transporting animals.

The wheeled walker can be folded to save space. Please note that there is a risk of jamming when folding and unfolding the wheeled walker. When folding or unfolding the wheeled walker, always pull on the frame of the wheeled walker, do not pull on the attachments (brake, wheels, basket, etc.)




Any serious incident that occurs in connection with the product must be reported to the manufacturer and the competent authority of the EU Member State in which the user and/or patient resides.


7. “VARIO” ACCESSORY PACKAGE (OPTIONAL)


The Vario accessory package consists of 2 fixed fold-up footrests and a fold-down back strap. The Spring wheeled walker can therefore also be used as a transport chair.

7.1 Safety Information VARIO Accessory Set


7.1.1 The wheeled walker as means of transport

 The SPRING wheeled walker with the VARIO accessory set is not a full replacement for a wheelchair. It is intended to transport persons for brief periods, for example within a facility.


 The SPRING VARIO is not suitable for self-propelled users.

 The person pushing the wheeled walker must be strong enough to be able to safely move and brake it, including in critical situations.

7.1.2 Negotiating obstacles

 When using the SPRING wheeled walker for transportation, it is not possible to negotiate obstacles using the tilting aids. If necessary, the wheeled walker must be transported over the obstacle without anyone seated in it.

7.1.3 Ramps and slopes

 A seated person may only use ramps and slopes up to a **maximum gradient of 6%**. Please note that the tyres may wear out excessively if the travel brake is used.

7.2 Folding the Vario footrests up and down



- The Vario footrests are fixed and can be swivelled vertically.
- For this, press the locking button of the corresponding footrest to unlock it and swivel the footrest forwards with your free hand.
- Make sure that the locking button engages when the footrest is folded down.
- Fold up the footrest in the same way.
- Turn the footrests slightly to check whether the lock is engaged.

7.3 Swivelling the Vario footrests up and down



- The foot plates can be swivelled up and down.
- Hold the footplate and swivel it up or down into the respective position.

7.4 Getting in

Make sure that the Spring wheeled walker is **stable**.

Lock **both parking brakes** and make sure they are **engaged**. A carer holding the brake handles is not enough to ensure safety.

Swivel the **back strap backwards** to make the seat accessible from the front.

Fold the Vario **footrests down on both sides**. Make sure that the **foot plates are folded up** and the footrests are locked in the lower end position.

Sit down on the seat from the front. You can support yourself with the push handles while doing this.

 **Do not support yourself with the back strap!**

After this, swivel the **foot plates downwards** and place your feet on them.

7.5 Getting out

Make sure that the Spring wheeled walker is **stable**.


Lock **both parking brakes** and make sure they are engaged. A carer holding the brake handles is not enough to ensure safety.

Swivel the **foot plates upwards**.

Get up from the seat. You can support yourself with the push handles while doing this. Do not support yourself using the back strap!

Step forwards out of the wheeled walker and fold the **footrests upwards** until they lock into place.

If necessary, fold the back strap forwards again.

 **Never climb onto the foot plates! Danger of tipping over and falling!**

8. CLEANING AND DISINFECTION

8.1 Cleaning

The frame parts can be wiped with a damp cloth. A mild cleaning agent can be used for heavier soiling.

The wheels can be cleaned with a damp brush with plastic bristles (do not use a wire brush!)

The back support, seat and transport bag can be washed with mild soapy water.



Do not use a high-pressure cleaner or a steam cleaner!

8.2 Disinfection

The wheeled walker can be disinfected with household disinfectant. Use approved alcohol-based spray or wipe disinfectants. The Robert Koch list of approved disinfectants can be found e.g. at <https://www.rki.de>.

9. REUSE

The SPRING wheeled walker can be reused on a second-hand basis. Before passing it on, please thoroughly clean and disinfect the wheeled walker according to the enclosed care and hygiene instructions. When passing on the wheeled walker, please remember to give all the technical documents required for safe use to the new user. The instruction manual is an integral part of the wheeled walker and must be passed on with it. The wheeled walker should be checked by an authorised specialist and handed over in good condition.

10. TECHNICAL DATA

Dimensions and weights			
Version	Small	Medium	Large
Seat width	45 cm		
Seat height	52 cm	56 cm	60 cm
Total width	59.5 cm		
Total length:	71 cm		
Total height of push handles in cm.	83 – 91.5	88.5 -101	91.5 – 103.5
Unladen weight (without accessories)	7.5 kg	7.6 kg	7.7 kg
Maximum user weight	136 kg		
Maximum load capacity net bag	5 kg		
Folding dimensions (LxWxH in cm) incl. back strap, without Vario accessory package	70 x 27 x 85	70 x 27 x 91	70 x 27 x 96
Wheels (puncture-proof)			
Steering wheels (front)	Approx. 250 x 33 mm		
Brake wheels, rigid (rear)	Approx. 200 x 33 mm		
Turning radius	95 cm		
Materials			
Frame	Aluminium, powder-coated		
Seat	Nylon, black		
Back support	Nylon, black		
Tyres	Polyurethane		
Storage and operating conditions			
Store in a dry place, protect from sun and heat			

11. DISPOSAL

If your *SPRING* wheeled walker is no longer in use and is to be disposed of, please contact your dealer. If you wish to dispose of it yourself, please ask local disposal companies about the disposal regulations in your area.

12. INSPECTION, REPAIR AND MAINTENANCE

Your wheeled walker requires regular maintenance. A poorly maintained wheeled walker can lead to technical problems and even void the warranty.

It is therefore highly recommended that you check a few points as preventative maintenance on a regular basis. The maintenance you can do yourself is outlined below.

Inspection	Before start of use	Monthly	Annually
Check function of travel brake	X		
Check function of parking brake	X		
Check that the back strap is secure	X		
Check the wheels and steering of the wheel forks	X		
Cleaning		X	
Product inspection by a specialist dealer			X



Ask the dealer whether replacement units are available.



Provide the dealer with the necessary information and documents for repair and maintenance on request.

13. WARRANTY

This Besco Medical product is covered by a limited warranty of 1 year. The warranty for the frame or the crosspiece of the product is extended to 5 years with regular and properly documented inspection and maintenance.

Our warranty covers all defects in this product that can be proven to be due to defects in materials or workmanship. In all cases, the warranty section must be completed in full and a copy of the service documentation must be submitted to us.

Damage caused by use outside the intended purpose and the provisions of this instruction manual is expressly excluded from warranty and product liability claims. The same applies to modifications to the wheelchair and the exchange or replacement of original components with parts from other manufacturers or parts copied from the original, as well as to the subsequent use of unsuitable care products, lubricating oils or greases. The warranty is also excluded if maintenance work has not been carried out or has not been carried out properly, as well as in the case of **changes and additions to this product without our written consent.**

WARRANTY INFORMATION FOR THE AID:	
Model	
Serial number	Dealer's stamp
Date of commissioning	

14. DECLARATION OF CONFORMITY

As the manufacturer, Besco Medical Medizin- und Rehaprodukte GmbH declares that this product complies with the requirements of the EU Medical Device Regulation MDR 2017/745.

A digital version of this instruction manual can be found at: www.bescomedical.de/downloads



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