

User's manual Standing- and walking support movita

- movita child I
- movita child II
- movita junior
- movita adult medium
- movita adult large



movita by elmi

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Dear Customer,

We would like to thank you for your trust
and for the purchase of our products.

movita is outstanding for its quality,
its safety, its simple use and its modern design.

In order to use this item properly, please read
these user's instructions very carefully.

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Safety instructions

movita is provided with the CE-marking and the TÜV and conforms to the requirements as laid down by the Council Directive 93/42/EEC. The standing- and walking support movita has been developed following the latest regulations. The manufacturing process emphasizes continuous quality control.

Weight limit

movita child I	60 kg max user weight
movita child II	60 kg max user weight
movita junior	130 kg max user weight
movita adult medium	130 kg max user weight
movita adult large	130 kg max user weight

PRECAUTIONS!

- movita should only be used if a qualified person or a family member is present.
- movita should only be used by people who are able to control the movements of the standing and walking support.
- movita is suitable for indoor and outdoor use.
- Please remove any objects from furniture that can be knocked over or fall down while using movita.
- movita can only be used by people who are familiar with the instructions and applications of this user manual.
- Please check that in the user's area there are no obstacles, such as stairs, steps, or items of any kind lying on the floor that could cause the movita to overturn.
- Do not carry out any movements or interference, if you are not absolutely sure of their effects and consequences; in case of the slightest doubt please contact the nearest service centre or the manufacturer directly.
- The application of the use of movita must be carried out with the support of qualified personnel.
- Pay attention to possible points of danger! The patient can move very quickly.
- The use of movita and its accessories should be done under medical supervision
- Do not use movita on uneven ground, on slopes or on stairs.
- The use of movita by unauthorized people - even if it is only for playing - is forbidden.
- When stopping always block the brakes, even on level surfaces.
- Before each regulation always block the brakes.
- Before every use, check that the brakes function correctly; always check the correct functioning of the brakes, the casters have not become worn, and that all the accessories and components that could get loose are adjusted and properly tightened.

- Never leave the patient unattended with the standing- and walking support movita.
- Do not systemize or leave movita on steep and uneven ground.
- Do not use the standing- and walking support if parts are faulty or missing.
- Before use, check that all the fasteners are tightened.
- movita should be cleaned as described in the “cleaning” chapter.
- In case of an accident or defects, contact your dealer who delivered the walking support.
- Please keep these user’s instructions for further consultation.
- Service should be performed annually on the product to assure long-term use by avoiding damage to the product and the individual.
- An authorized person should carry out the servicing.

Warranty and product liability

Elmi GmbH/srl grants a two years’ warranty on movita.

Only original spare parts and accessories can be used. The guarantee becomes void if repairs or changes to the movita or on its components are undertaken by unauthorized persons. Every product responsibility of the manufacturer is in this case excluded beforehand.

The manufacturer is not responsible for damages to persons, animals or things in the following cases:

- improper use of the standing- and walking support
- use of the support by unauthorized persons
- inappropriate applications of parts or accessories
- changes or interventions not previously authorized by the supplier
- usage of non-original spare parts
- non-observance of the instructions in this user’s manual
- exceptional incidents

Components

movita is a standing- and walking support, designed to support and facilitate self-initiated movement of the user.

- A upper frame
- B base
- C thorax ring
- D interior
- E seat
- F seat support
- G support handle
- H anti-tipping safety system
- I footrest
- J direction lock
- K lateral protection
- L foot divider

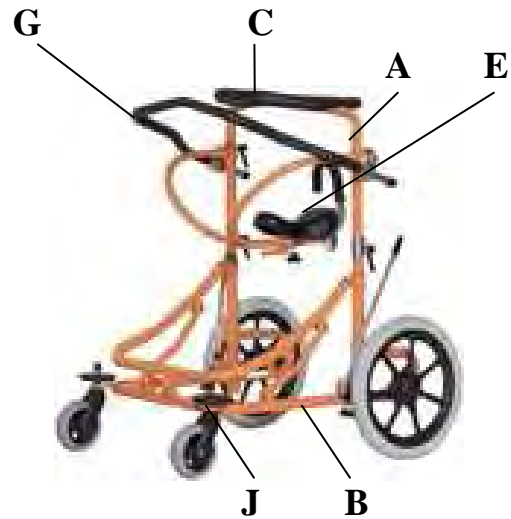


figure 1

D innenliegend



figure. 2



K

figure 3



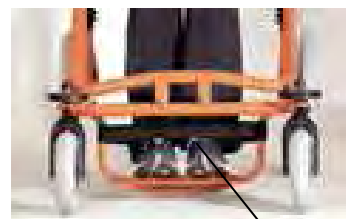
H

figure 4



J

figure 10



I

figure 11

Use

movita is suitable for physically handicapped children and adults.

movita has been designed and built:

- to allow self initiated movement , if independent walking is not possible
- to develop and train independent walking. The standing- and walking support can therefore be used to train the walking function and as a means of transfer.

Remember that walking consists of moving the body in an erect position from one point to the another in space; the standing and walking support makes it possible to train:

- the gait pattern (flexion of one leg and contemporaneous extension of the other leg)
- the standing tolerance and the balance of the trunk and pelvis, first on both legs and then only on one leg while moving forward
- space perception and distances estimation

In summary the movita is used to:

- evoke and stimulate the gait pattern
- train the standing tolerance and the balance of the pelvis and trunk
- transmit the patient a better and wider perception of space, distances and of the surroundings in an erect position
- structure “intentions” and “activities”, offering for example the possibility to see an object, think of its use, organise his/her movements, reach it and finally use it
- develop the autonomy of the body and psychological independence, as the patient analyses the possibility to act alone without external help

movita can only be used for the applications mentioned above. The manufacturer assumes no responsibility for other applications and for damages caused by improper use.

Adjustment and operation

movita functions in a very easy and secure way: the lack of balance is compensated with a large surface of support; this gives the patient the possibility to move on casters/wheels using his own force.

Even though the use of movita is simple and secure, a good introduction by the dealer/therapist is necessary.

There are instructions to be considered for the optimal use of this support.

Start-up:

The standing- and walking support movita is delivered in two parts: base frame with wheels and brakes, and the upper frame with saddle and thoracic ring. Under the seat you find the allen key.

Assembly of the upper frame and the base:

The upper frame is placed on the base, with the desired height adjusted via the lever clamps.

Regulation of the standing- and walking support:

When the patient is put into the standing- and walking support, close the thoracic ring (figure 5), and then adjust the height of the following components:

1. thoracic ring (lever clamps figure 6B)
2. seat (lever clamp figure 6A)



figure 5



figure 6

Height of thoracic ring and seat: (figure 6 page 7)

To adjust the thoracic ring height, loosen the two lower release handles (figure 6B). After reaching the desired height, tighten the handles again; both sides must have the same height; the height can be checked with the help of the marks on both posts. The seat height is adjusted by loosening the two upper release handles (figure 6A). After reaching the height desired the two release handles must be tightened again. Both sides have to be at the same height.

The thoracic ring should be adjusted to the approx. armpit height. Then the seat should be adjusted; the right position is about 2-3 cm under the inseam.

Thoracic ring:

(Figure 5 page 7) The thoracic ring can be opened and closed by slightly rotating the upholstered tube.

Springs:

The two springs in the lower tubes can be exchanged if a harder or softer spring tension is necessary. The springs are available in various strengths in relation to the following body-weights. For identification the springs have different colours:

For standing-and walking support movita child I and child II:

green	=	min. 10 kg
light blue	=	min 15 kg
orange	=	min 20 kg
white	=	min 25 kg

For standing-and walking support movita junior, adult medium and adult large:

white	=	min. 40 kg
yellow	=	min. 60 kg
blue	=	min. 80 kg
red	=	min. 100 kg

Each package with spare springs contains labels with the correspondent min. loading capacity. If the springs are substituted these labels have to be stuck on the outer side of the frame under the spring coverage.

To change the springs the upper frame has to be removed.

Seat:

The seat can be slid forward and backward by loosening the big screw under the tube of the seat. After reaching the desired position tighten the screw again. The seat angle can also be adjusted by loosening the two hexagonal screws underneath the seat. Tilt the seat to the desired angle and tighten the screws to secure.

Pelvis support:

The pelvis support can be tipped up or down with a hexagonal screw. After loosening the screw the support can be tipped down. After adjustment the screw is tightened to secure.

Support handle:

The support handle is fixed to the frame by an aluminium clamp assembly. Loosen the two hexagonal screws to adjust height and depth of the handle. After reaching the desired position tighten the screw again.

- To adjust the height of the handle (figure 7) loosen the hexagonal screw A, adjust the desired height and retighten the hexagonal screw A.
- To adjust the depth of the handle loosen screw B, adjust to the desired depth and then retighten screw B.

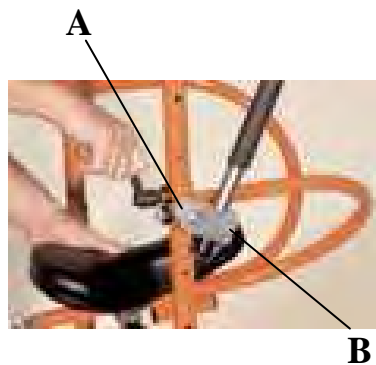


figure 7

If the patient tends to cross their legs and feet it may be necessary to use the foot divider L, to counteract this pathological behaviour.

- After all these preparations it is time to start with the introduction to the use of movita.



figure 8

No pre-regulations made!

The height of the support for the armpit depends on the capacity to control the trunk. (If the individual's trunk control is good, the support should be lowered).

Also in this case it is suitable to start with the support right under the armpit and then to lower it as the patient's skills improve.

If there is a good trunk control, the support for the armpit can be removed.

It is therapeutically advisable to arrive at a position where shoulders, trunk and hips are on the same line.

It is important to get the patient to know the standing and walking support and its functions. Normally neither children nor adults are afraid of using it. On the contrary: very often they react with enthusiasm and feel like moving in all directions.

The vigour of these “adventurous” people should not be slowed down, but stimulated. We advise that the movita quite should be used quite freely, so that the patient gets familiar with all of its functions.

For persons who tend to have vehement and uncontrollable movements, for safety the anti tippers should be mounted for safety reasons. The doctor who prescribes the support makes that decision (figure 9).

At the beginning it is always advisable to make use of the direction lock (figure 10), to avoid uncontrolled changes in direction and the danger of bumping against objects.



figure 9



figure 10

For “anxious” people, who are afraid of using movita, (probably because of problems with perception which make it difficult to comprehend space and distances), another procedure is advisable:

- When the patient is trying to make his first steps he should not be left alone, but should be accompanied by qualified personnel or the therapist and a family member. They should place themselves in front, next to or behind the patient and move the movita slowly and cautiously.

These cautionary measures give the patient a great sense of security, especially if at the same time he gets an explanation of what is happening , and what they are doing with him/her, e.g. “ Now we are going to the table, we arrive at the television, we are going to get the ball on the table, we are going back....”.

Initially it is necessary to try to reach a movement of walking with constant speed.

The progressive therapy requires then a faster or slower walking movement, with an increase or decrease of frequency of steps.

Limited distances, whether for “daring” or for “anxious patients, are advisable, as they produce a useful effect of orientation and progress.

Please observe the indications for security!

Mounting of the accessories

Together with movita it is possible to use the following accessories:

- foot divider (figure 12 L)
- lateral protection (figure 13 K)
- anti-tipping safety system (figure 14 H)

Mounting of the foot divider:

- Insert the support of the foot divider into the adjustment tube underneath the seat and tighten the screw A!
- Adjust the height of the foot. Tighten screw B again.

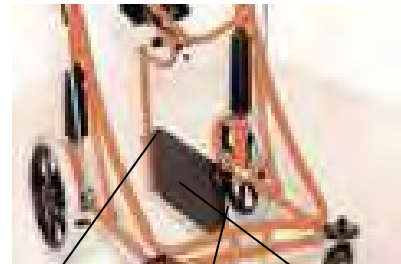


figure 12

Mounting of the lateral protection:

- Fix both clamps on the base frame as shown on figure 13.



figure 13

Mounting of the anti-tipping safety system:

- as shown on figure 14, the anti-tipping system is fastened on the vertical tube. Between the floor and the anti-tipping system there should be a distance of 5 cm to prevent the anti tippers from disruption of walking.



figure 14

Cleaning instructions

Never make any tilt adjustment or any substitutions of parts or accessories with the patient in the standing and walking support.

Cleaning of the metal parts:

Clean the enamel and chrome parts of the standing and walking support with a mild alcohol based product of commercial quality and wipe them with a soft cloth.

Cleaning of the casters/wheels:

Please keep the casters/wheels always clean; eliminate dust, hairs or other materials regularly.

Technical data

movita child I and movita child II

Technical data	movita child I	movita child II
Article number	201000	202000
Length	72,0 cm	72,0 cm
Width	65,0 cm	65,0 cm
Seat height	from 21,0 to 41,8 cm	from 27,0 to 61,0 cm
Thoracic ring height	from 54,0 to 70,5 cm	from 69,5 to 84,5 cm
Thoracic ring perimeter	70 cm / 90 cm	70 cm / 90 cm
Wheel dimensions front	140 x 30 mm	140 x 30 mm
Wheel dimensions rear	250 x 50 mm	250 x 50 mm
Load capacity of each spring	min. 10 kg / min. 15 kg min. 20 kg / min. 25 kg	min. 10 kg / min. 15 kg min. 20 kg / min. 25 kg
Weight	18,0 kg	18,0 kg
Weight limit	60,0 kg	60,0 kg

movita junior

Technical data	movita junior
Article number	207000
Length	87,0 cm
Width	69,0 cm
Seat height	from 46,0 to 67,0 cm
Thoracic ring height	from 76,0 to 97,0 cm
Thoracic ring perimeter	70 cm / 90 cm / 105 cm
Wheel dimensions front	140 x 30 mm
Wheel dimensions rear	400 x 40 mm
Load capacity of each spring	min. 40 kg / min. 60 kg min. 80 kg / min. 100 kg
Weight	29,0 kg
Weight limit	130,0 kg

movita adult medium and movita adult large

Technical data	movita adult medium	movita adult large
Article number	204000	205000
Length	96,0 cm	96,0 cm
Width	69,0 cm	69,0 cm
Seat height	from 61,0 to 96,0 cm	from 77,0 to 111,0 cm
Thoracic ring height	from 95,0 to 121,0 cm	from 112,0 to 145,5 cm
Thoracic ring perimeter	70 cm / 90 cm / 105 cm / 120 cm	70 cm / 90 cm / 105 cm / 120 cm
Wheel dimensions front	200 x 50 mm	200 x 50 mm
Wheel dimensions rear	400 x 40 mm	400 x 40 mm
Load capacity of each spring	min. 40 kg / min. 60 kg min. 80 kg / min. 100 kg	min. 40 kg / min. 60 kg min. 80 kg / min. 100 kg
Weight	31,0 kg	33,0 kg
Weight limit	130,0 kg	130,0 kg

Maintenance

Never make any substitutions of parts or accessories with the patient in the standing and walking support.

Accessories:

For any substitutions of accessories please refer to the instructions in chapter “Assembly and mounting of accessories”; remember that for dismounting follow the instructions in reverse order.

Maintenance

Maintenance has to be performed once a year by the dealer or by authorized personnel.

Spare parts

Only original spare parts and accessories should be used. The guarantee becomes void if repairs or changes are undertaken on movita or its components by unauthorized persons.

Any product liability from the side of the manufacturer (Elmi GmbH, Handwerkerzone 25, 39052 Kaltern, BZ, Italy) is excluded from the beginning in such cases.

For questions on spare parts and accessories please contact your authorized dealer or the manufacturer directly.

Environmental factors:

All packing materials are recyclable.