

Meyland-Smith A/S



User manual

meywalk® mk3

model Medium and Large

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Dear customer,

This user manual contains information on the assembly and adjustment of Meywalk® mk3, how to maintain it, things to watch out for, and other important items. Before you start using Meywalk® mk3, we recommend that you read this user manual. If you have any questions regarding Meywalk® mk3, please contact us.

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Meywalk® mk3 models Medium and Large are primarily designed for walking disabled children, young people and adults who have difficulty standing up without support. Meywalk® mk3 is designed for indoor use.

Meywalk® mk3 is a walking aid suitable for children.

Meywalk® mk3 parts:

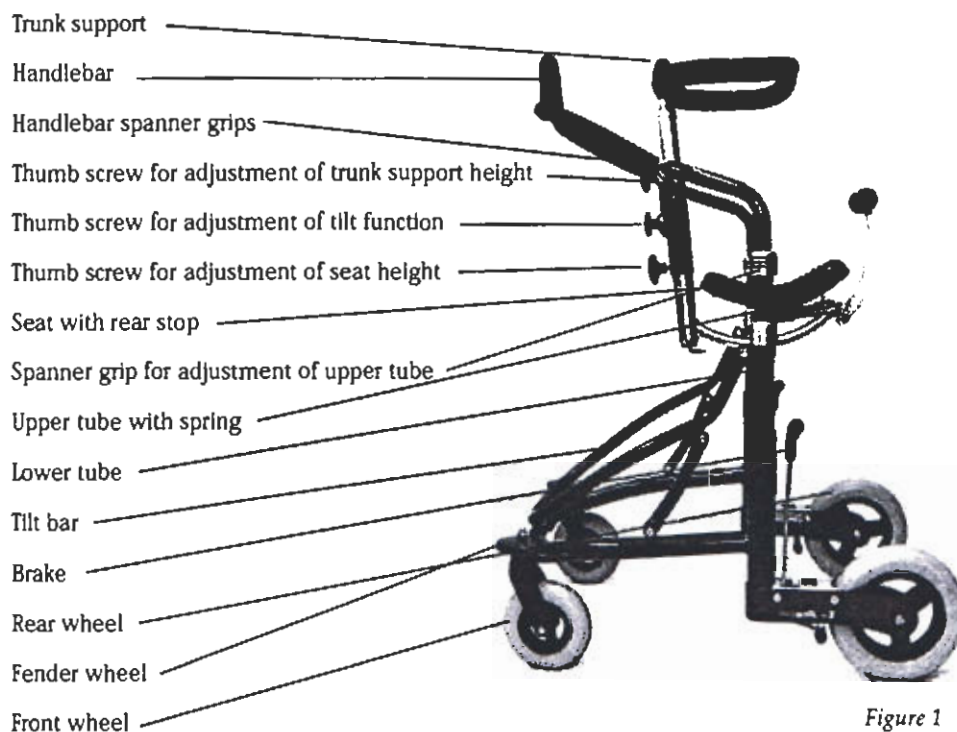


Figure 1

With Meywalk® mk3 you have acquired one of the best walking aids on the market, just as the materials are of a very high quality.

- Meywalk® mk3 follows individual body movements and walking patterns.
- Helps the user keep his/her torso upright and makes the user feel safe.
- The handlebar supports the user's arms and reduces the strain on them.
- The seat can be lowered when getting in and out.
- The rear stop helps keep the user comfortably seated.
- The integrated springs support the walking function.

Prior to first use:

Meywalk® mk3 is supplied almost fully assembled. Check that the package contains the following parts:

- Bottom frame with wheels and brakes,
- Top part with seat and trunk support.

Note! Three Allen keys of 4 mm, 5 mm and 6 mm are included in the Meywalk® mk3 supply. They are located under the seat bar (see figure 2).

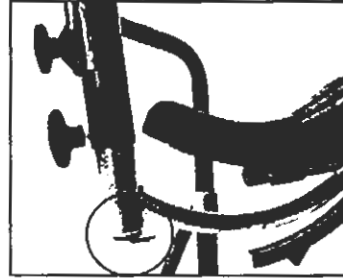


Figure 2

Joining the top part and bottom frame:

Place the top part in the tubes on the bottom frame (see figure 3) - note that the two springs must be placed at the top of the bottom frame (see figure 3). Lower the top part into the two tubes on the bottom frame. Remember to position the top part so that the handle bar points in the direction of the swivelling front wheels.



Figure 3

Spring loading:

The two springs inside the tubes (see figure 4) can be changed to obtain harder or softer suspension. As a guideline, the weight of the user must be able to fully compress the springs.

There are four different spring hardness levels corresponding to the following body weight:

- White springs for minimum 20 kg
- Yellow springs for minimum 45 kg
- Blue springs for minimum 65 kg
- Red springs for minimum 80 kg

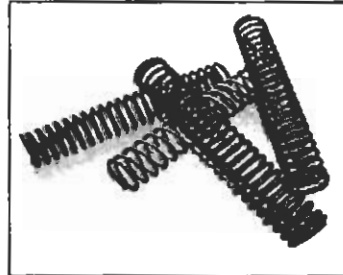


Figure 4

Adjustment of Meywalk® mk3 – step by step.

It is always a good idea to consult our consultant before adjustment of Meywalk® mk3.

Tubes:

NB! Do not carry out this adjustment while a user is placed in Meywalk® mk3.

First roughly adjust the height of Meywalk® mk3. The height is adjusted by lifting the lower spanner grip in the green arrow's direction. Simultaneously rotate the upper spanner grip (see figure 5).

Note that when the upper spanner grip has been rotated a bit, the lower spanner grip no longer needs to be lifted. The tube will engage after two rotations. Model Medium features 7 holes in total and model Large features 8 at intervals of approx. 2.5 cm between each hole.

Medium can be lifted a total of approx. 18 cm and Large a total of approx. 20 cm.

If Meywalk® mk3 is to be lifted, rotate the spanner grip towards the green arrow and if it is to be lowered, rotate towards the red arrow. Make sure that both sides are equally high; count the holes (see figure 6).

Rule of thumb: The correct height has been achieved when the user's elbows are abreast of the handlebar spanner grips (see figure 7).



Figure 5

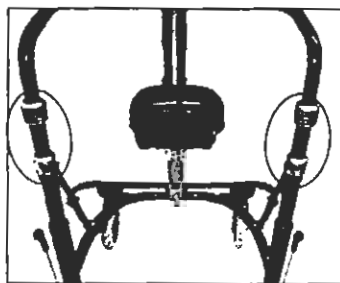


Figure 6

Handlebar:

The handlebar is connected to two spanner grips (see figure 7). When turned in the green arrow's direction, the spanner grips will open and the handlebar can rotate. When the desired handlebar angle has been found, retighten the spanner grips by rotating them in the red arrow's direction until the points are fully closed.

NB! Make sure that the user cannot hurt his/her head on the raised part of the handlebar.

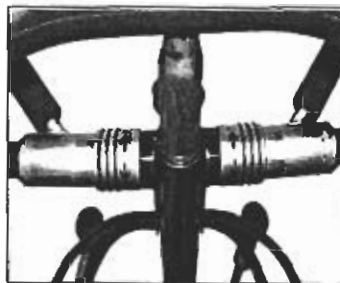


Figure 7

Seat:

NB! Do not carry out this adjustment while a user is placed in Meywalk® mk3.

Adjust the seat height according to the length of the user's legs. Turn the lower thumb screw located at the front of Meywalk® mk3 (see figure 8). The thumb screw features a "child lock" which is released according to the press-and-turn principle. When released, the seat can be adjusted up or down. Position the seat at the correct height. Hold your hand under the seat bar bottom to make the seat slide easily up and down. Retighten the thumb screw when the desired height has been found.

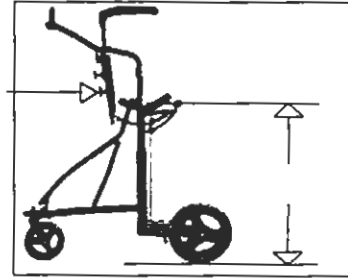


Figure 8

Seat position and angle:

NB! Do not carry out this adjustment while a user is placed in Meywalk® mk3.

The seat can be adjusted forwards and backwards on the bar by loosening the Allen screw on the seat fitting below (see figure 9). When the desired position has been found, retighten the Allen screw. The angle of the seat can be adjusted by loosening the four nuts under the seat fitting (see figure 10). Use an 11 mm spanner. Retighten the nuts after adjustment.

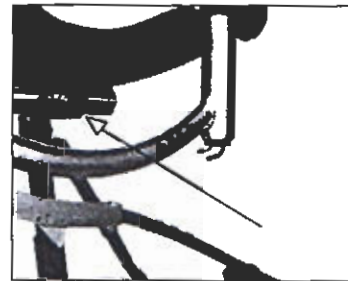


Figure 9

The seat is also completely removable.

Rear stop:

The rear stop should always be tilted back when there is a user in Meywalk® mk3. The rear stop can be put down by pressing the small block until it is clear of the fitting. Then the rear stop slides in under the seat.



Figure 10

Rear stop adjustment:

The rear stop behind the seat can be adjusted lengthways depending on the position of the seat. Before adjustment, put down the rear stop by lifting up the rear stop so that the small block goes clear of its position. Now the rear stop can be pushed in under the seat. From the end you can now see an Allen screw inside the square profile (see figure 11). The longitudinal direction can be adjusted by means of this screw. Remember to retighten the Allen screw.

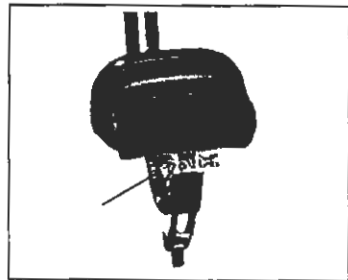


Figure 11

Trunk support:

Adjust the trunk support according to the individual user's optimal height. Turn the upper thumb screw located at the front of the Meywalk® mk3 central tube (see figure 12). The thumb screw features a so-called "child lock", working according to the press-and-turn principle. When released, the trunk support can be adjusted up and down until the correct height has been found. Retighten the thumb screw.



Figure 12

Trunk support replacement:

NB! Do not carry out this adjustment while a user is placed in Meywalk® mk3.

For trunk support replacement, loosen the two Allen screws under the support. The two screws fits all trunk supports. The trunk support is available in five variants: Circumference: 70, 90, 105, 120 and 130 cm.

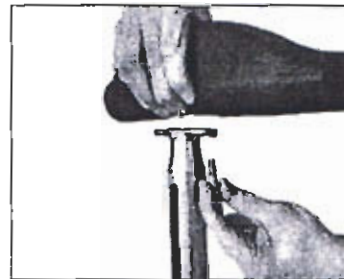


Figure 13

Tilt function:

NB! Do not carry out this adjustment while a user is placed in Meywalk® mk3.

By means of the tilt function the user's posture can be changed. Turn the middle thumb screw to the left to tilt the support. The screw is located at the front of Meywalk® mk3 (see figure 14). While turning the screw, you can change the angle of the trunk support and of the seat up to 14°. The tilt function is continuously adjustable (see figures 15 and 16).

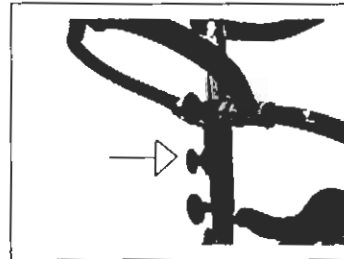


Figure 14

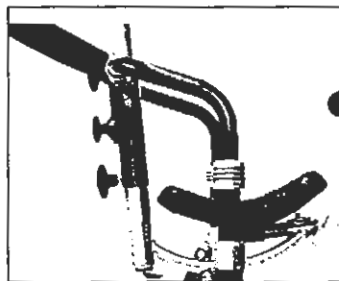


Figure 15

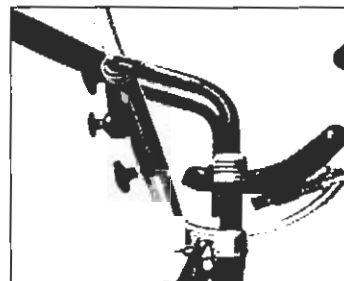


Figure 16

Getting in and out:

Featuring a unique lifting and lowering system Meywalk® mk3 has made it easier for the user to get in and out. Grab the front of the tilt bar with both hands and tip it up, then the seat will be lowered approx. 13 cm for Medium and 22 cm for Large (see figure 17). When the user has been seated, close the trunk support and pull up the rear stop. The seat is lifted by pushing down the tilt bar until it locks with an audible click (see figure 18). The integrated gearing in the lifting and lowering system means that the downward pressure need only be about one third of the user's weight.

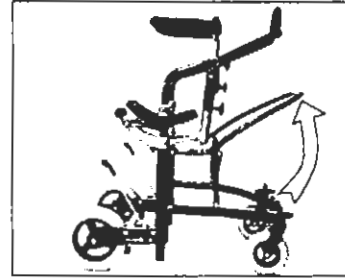


Figure 17



Figure 18

Brakes:

The brakes are parking brakes that work by directly blocking the rear wheels with a braking pulley pressing against the tyre.

To brake the walking aid, pull the brake levers all the way backwards until they come to a definite stop (see figure 19). In this position the brakes are self-locking. The brakes are released by pushing the brake levers forward again.

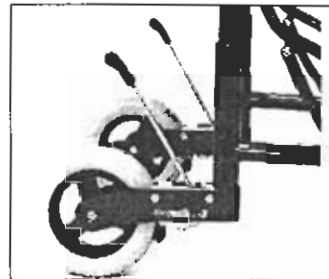


Figure 19

Meywalk® mk3 accessories.

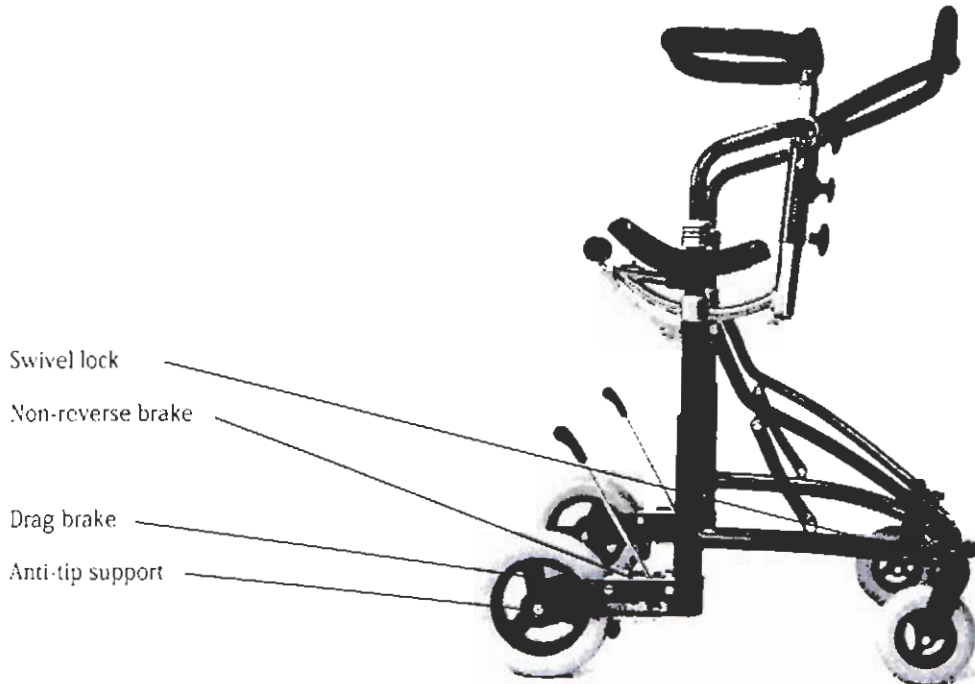


Figure 20

Mounting and adjustment of accessories:

Anti-tip supports:

Anti-tip supports are mounted on each side by first removing the nut from the through-going bolt fixing the wheel. Use a 6 mm Allen key. Place anti-tip supports against the outside of the Meywalk® mk3 rear fork so that they fall into place in the two rear fork recesses. Screw bolts back on from either side. Remember to tighten firmly.

Mounting and use of drag brakes:

The drag brakes are mounted inside the existing brake housing. First loosen the brakes by pushing the brake levers forward. Then loosen the four screws fixing the brake housing to the bottom frame (see figure 21) by means of a 4 mm Allen key. Lift up the entire brake mechanism. Remove the upper plastic plug. Now mount the drag brake. Insert the pin in the hole on the brake housing side and place the drag brake in the brake housing ensuring that the pin goes through the drag brake (see figure 22). Mount the small spacer and drive the pin through the brake housing completely. Re-mount the brake housing using the four screws. Then screw the Allen screw with nut into the thread on the upper side of the braking housing (see figure 23). Screw and nut help adjust the drag brake pressure against the tyre. The drag brakes work by the roller at the back pressing against the tyre. First loosen the nut on the Allen screw. Then turn the Allen screw to press the roller against the tyre. Tighten the nut in the opposite direction. Use a method of trial and error to find the correct pressure against the tyre. Test the drag brake function.

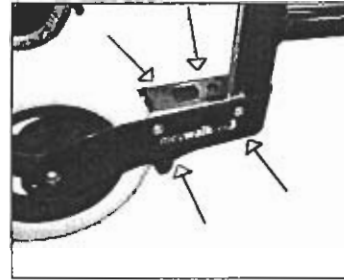


Figure 21

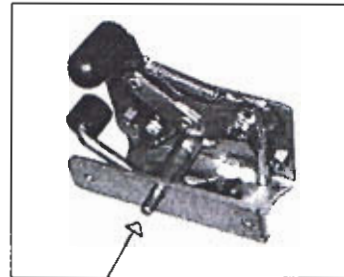


Figure 22

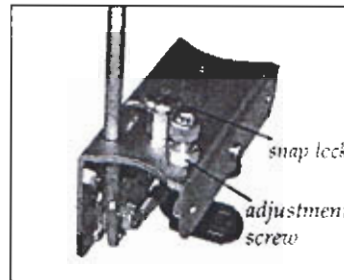


Figure 23

Non-reverse brakes:

The non-reverse brakes are also mounted inside the existing brake housing. First loosen the brake housing by pushing the brake levers forward. Then loosen the four screws fixing the brake housing to the bottom frame (see figure 21) by means of a 4 mm Allen key. Lift up the entire brake mechanisms and mount the non-reverse brake. Insert the pin in the hole on the outside of the brake housing and place the non-reverse brake or the spacer so that the pin goes through (see figure 24). The non-reverse brake works by the grooved side pressing against the tyre preventing the wheel from going backwards. The non-reverse brake can be engaged/disengaged through the snap lock to be fitted on the upper side of the brake housing. Remove the black plug and fit the snap lock in the hole (see figure 23). Finally, re-tighten the four screws and test the function of the non-reverse brake.

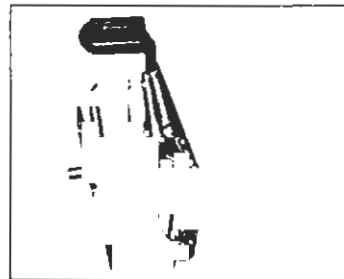


Figure 24

Cleaning and maintenance of Meywalk® mk3.

Maintenance:

The walking aid can be washed in warm water with detergent but take care not to wash the padding on the trunk support, handle bar and rear stop.

With time the painted frame may take on a matt appearance if washed with detergent repeatedly. If so, the frame can be polished with car polish. Follow the instructions on the polish.

Re-tightening:

Regularly check the tightness of all grips, bolt, screws and nuts, and re-tighten if required.

Safety precautions

Warning:

- Meywalk® mk3 is a therapy product and should only be used as such!
- The spring system of Meywalk® mk3 may involve a risk of the walking aid toppling over if used by a very restless user.
- Meywalk® mk3 rolls very easily and you should always consider potential dangers that the user may roll over to.

Therefore:

Never leave the user in Meywalk® mk3 unattended!

Warning:

- Always hold the tilt bar securely when a user is being lifted or lowered. Especially when opening the tilt bar to lower the user, you must be prepared for the upward force which gradually increases as the tilt bar rises (see figure 25). Never let go of the tilt bar in the middle of a lifting or lowering operation, even if taken by surprise by the heavy weight loading.



Figure 25

Warning:

- If fittings are removed, open tube ends may be revealed. These may have sharp inner edges and may be dangerous for probing fingers. However, MEYWALK® mk3 is designed to avoid open ends! If a situation with open tube ends should nevertheless arise, it is recommended that they be closed off with plastic plugs.

Limitations on use:

- The maximum user weight permitted is 100 kg.
- The walking aid should only be used on flat, level and stable surfaces.

Technical data

Dimensions:	Medium	Large
Length:	85 cm	101 cm
External width:	62 cm	69 cm
Internal width:	47 cm	54 cm
Seat height/inner leg length:	50 - 70 cm	70 - 95 cm
Trunk support height:	90 - 115 cm	109 - 140 cm
Trunk support options (chest measurement):	70 cm, 90 cm 105 cm, 120 cm, 130 cm	70 cm, 90 cm 105 cm, 120 cm, 130 cm
Weight:		
Meywalk® mk3, without accessories:	30.5 kg	33.5 kg
Max. load:	100 kg	100 kg

Materials:

Frame:	Powder-coated steel tubes
Fittings:	Matt-finish chromium plated steel
Padding:	Polyurethane foam
Wheels:	Soft solid rubber tyres on plastic rims with service-free ball bearings
Colours:	Red metallic Blue metallic

CE marking

Meywalk® mk3 is CE marked. This guarantees that Meywalk® mk3 is in compliance with all relevant safety requirements specified in Council Directive 93/42/EEC on medical devices.

