

EASys^{BSS®inside}

Ergonomical and adjustable safety system for rehabilitation strollers

User manual for seat units 1 and 2





Dear EASyS user,

The EASyS rehabilitation stroller that you purchased is an innovative product made by the company Thomashilfen. After several years' of research we have developed a new concept for rehabilitation strollers' that is one of the safest and most advanced seating systems available.

In order to make the operation of the EASyS seating system and frame safe, practical, and comfortable for you and especially for your child, please read this user manual completely before use.

Should you have any further questions or issues, please contact your specialist supplier or Thomashilfen directly.

For more information about Thomashilfen and our products, please visit our website at www.thomashilfen.com

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Contents

Page

General safety instructions	4
Technical data	5
Engaging the seat unit	5
Removal of the seat unit.....	5
Adjustment options	5
Accessories.....	8
Padding	12
Care instructions	12
Guarantee terms.....	12



Please observe the following safety instructions:

- We recommend that you adjust the EASyS seat growth settings every 3 months to best fit your child. If necessary, let your therapist / prosthetist / dealer help you.
- This stroller is intended to transport only one child. More than one child in or on the stroller may result in injury.
- Check all control elements and fastening screws monthly. The sliding bars should be kept free of sand.
- Please remember to re-tighten the screws and clamping levers (hip angle adjustment) after each re-setting.
- Always lock the stroller brakes before placing or removing a child from the stroller; and before adding any accessories or performing maintenance.
- CAUTION: wet or flat wheels may affect the braking effect. If not in use or stopping for a longer period, engage the stroller foot brake in order to prevent accidental rolling.
- Do not exceed the maximum size and weight capacity of this stroller. Please refer to the literature for specification details.
- Leaning or reaching far too any side can cause the stroller to be unstable and tip over. Always use the seat belt in addition to close observation to prevent this type of movement.
- Attaching bags, equipment, or other heavy items may cause the stroller to become unstable. These items are best stowed in the basket / equipment tray below the seat unit.
- We recommend that you always secure your child with the 2-point pelvic belt (standard equipment) or another retention belt (available as an accessory). Never leave your child unattended in the stroller; even if the brakes are engaged and the seat belt is in use. Be especially careful about other children playing around the stroller. The stroller should only be operated by a mature individual.
- This stroller contains many small pieces that can be a choking hazard. Never leave children unattended in or around the stroller. Choking hazards include, but are not limited to: packaging materials, screws, nuts, and plastic caps which can become loose or dislodged with use. Inspect the stroller frequently to insure safety and proper operation.
- The pelvic belt (seat belt) supplied with the stroller, as standard equipment, is NOT intended for use as a safety belt for transportation in a motor vehicle. When transporting the child seated in the stroller in a motor vehicle, always ensure that the tie down and occupant restraint system meet all current regulations.
- When using an anterior trunk support (H, butterfly, or vest style harness) always use a pelvic belt and/or an abduction block to prevent sliding that can result in strangulation.
- Always be alert when pushing a child in the stroller. Give particular attention to using the stroller when on or near slopes, uneven ground, stairs, obstacles and when near moving motor vehicles. Stairs should only be attempted with two or more capable attendants.
- Strolling after dark can be extremely hazardous. Please use great caution, obey all traffic laws, use lights and/or light clothing to increase visibility to others.
- When working with the seat unit, please observe the recommendations in the user manual, especially when dismantling it and folding it together.
- Any modifications that alter the frame, such as drilling holes in the frame, will void the approved use of this stroller for transportation in a vehicle.
- Before use, always check that the seat is securely fastened to the frame and that the recline and tilt mechanisms are securely fastened.

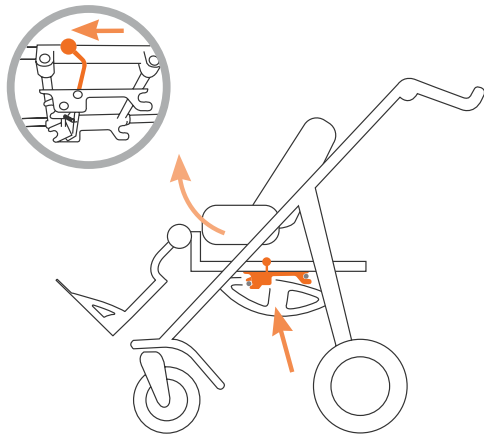
Tip: More information is available on our website www.thomashilfen.com

Technical data

EASyS seating system	EASyS 1	EASyS 2
Seat depth	19 - 30 cm / 7.5 - 11.8"	27 - 38 cm / 10.6 - 15"
Seat width	19 - 31 cm / 7.5 - 12.2"	25 - 36 cm / 9.8 - 14.2"
Back height	40 - 65 cm / 15.8 - 25.6"	53 - 73 cm / 20.9 - 28.8"
Lower leg length	17 - 30 cm / 6.7 - 11.8"	25 - 36 cm / 9.8 - 14.2"
Knee angle	90° - 180°	90° - 180°
Hip angle	90° - 180°	90° - 180°
Seat tilt-in-space	-15° to +45°	-10° to +40°
Overall dimensions (w x h x l)	38 x 98 x 64 cm 15 x 38.6 x 25.2"	45 x 116 x 76 cm 17.7 x 45.7 x 29.9"
Folded dimensions (w x h x l)	38 x 29 x 88 cm 15 x 11.4 x 34.7"	45 x 40 x 81 cm 17.7 x 15.8 x 31.9"
Carrying capacity	35 kg / 77.1 lb	40 kg / 88.1 lb
Weight	7.7 kg / 17 lb	9.4 kg / 20.7 lb
Seat turning range	180°	180°

Inserting the seat unit

Place the seat unit on the rear crossbar and engage forwards. The EASyS click-system engages automatically. (fig. 1)



(fig. 1)

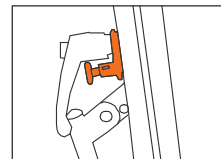
Removal of the seat unit

To remove the seat unit, push the EASyS click-lever under the seat forwards and take the seat unit off the chassis forwards.

Adjustment options

EASyS 2 hip angle adjustment

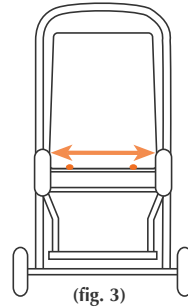
The EASyS 2 clamping lever for hip angle adjustment is equipped with an extra safety locking pin. It must be loosened during adjustment. After adjustment, make sure that the locking pin is engaged again. (fig. 2)



(fig. 2)

Seat width

Loosen the hip guide screws from the seat top surface (under the seat upholstery) with an Allen key. Move the hip guide to the appropriate width and retighten the screws. (fig. 3)

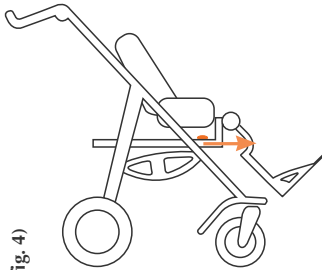


(fig. 3)

Seat depth

Loosen the front Allen screws (also for the hip guide setting) on the surface and pull out the seat plate. Retighten the screws when the seat depth is correct. (fig. 4)

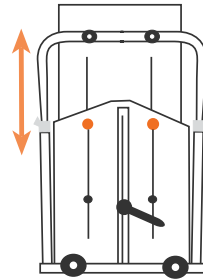
Tip: For easy adjustment of the seat depth grip the frontal edge of the seat with one hand and press against the bottom part of the backrest (concentric) with the other hand.



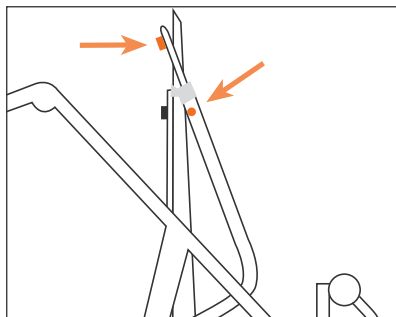
(fig. 4)

Back height

Loosen both black knobs to adjust the backrest variably to the desired height. (fig. 5)



(fig. 5)



(fig. 6)

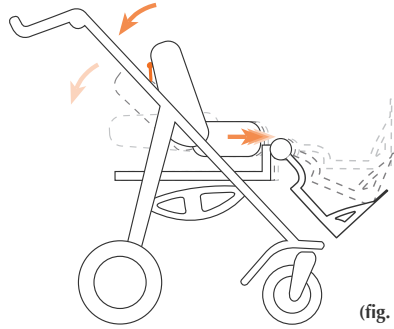
Lateral back support

Loosen both black knobs on the upper crossbar and the Allen screw on the right-hand side of the tube guide to set the lateral support freely at the height desired until it snaps into place (the locking pin snaps into place audibly). Press the locking pin (only on the right-hand side) to reduce the height of the lateral support. (fig. 6)

Tip: The extended lateral support offers additional protection to children who are primarily transported in a lying position.

Backrest adjustment

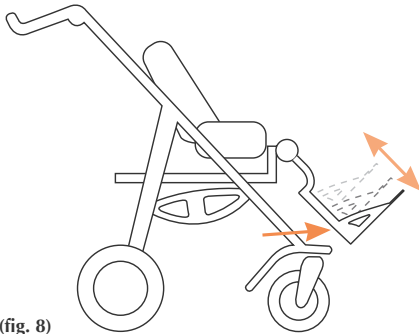
Loosen the backrest clamping lever and move the backrest to the desired position. The seat unit automatically slides forwards on its rails, shifting its centre of gravity to maintain stability in all seat positions. (fig. 7)



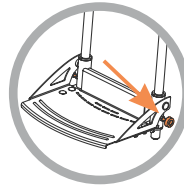
(fig. 7)

Lower leg length

Release the locking device by loosening the black knobs on the right and the left of the bottom of the footrest; the footrest can be freely adjusted. (fig. 8)

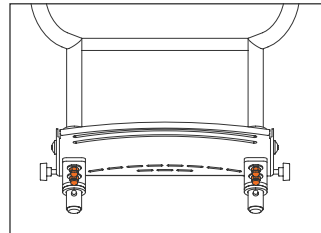


(fig. 8)



Foot angle

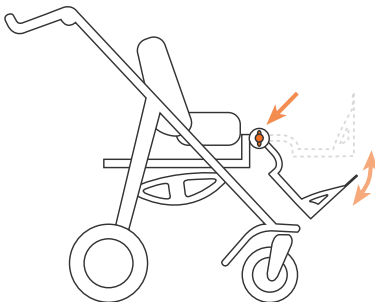
Loosen the 4 screws on the right and left of the rear side of the footrest. Adjust the desired foot angle and firmly re-tighten the screws. (fig. 9)



(fig. 9)

Knee angle

Set the knee angle by loosening the side wing screws (on both sides). (fig. 10)

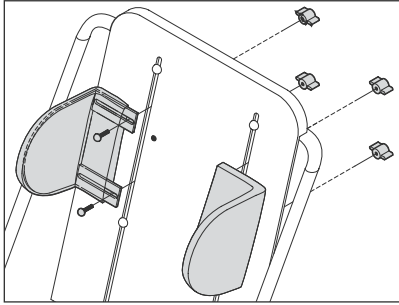


(fig. 10)

Tip: The footrest can be flipped up to facilitate getting on and out of the stroller.

Accessories

Lateral head support



(fig. 11)

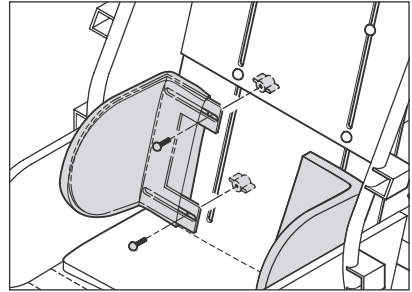
Open the back padding in the quilted area at head height.

Insert both button-headed screws into the grooves in the lateral support, guide the lateral support through the back padding and attach them to the backrest's longitudinal slots using the hand wing screws. (fig. 11)

EASyS size 1, item code: 6624

EASyS size 2, item code: 6724

Lateral trunk support



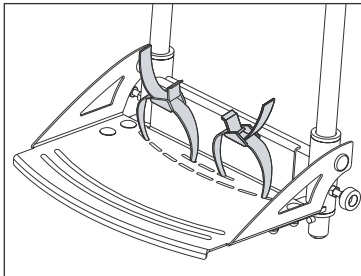
(fig. 12)

Open the back padding in the quilted area at the measured thorax height. Insert both button-headed screws through the grooves of the lateral trunk support, guide the lateral trunk support through the back and attach them to the backrest's longitudinal slots using the hand wing screws. The more sloping side of the lateral trunk support must be pointed upwards. (fig. 12)

EASyS size 1, item code: 6634 EASyS size 2, item code: 6734

Tip: If there is any restricted operability for the wing screws, use the nuts enclosed with the packaging.

Foot straps



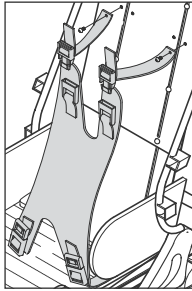
(fig. 13)

Select the hole spacing according to foot size and thread the belt through the foot support holes. If necessary the straps can be shortened. (fig. 13)

EASyS size 1 and 2, item code: 6648

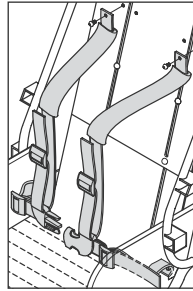
Belts

Butterfly harness



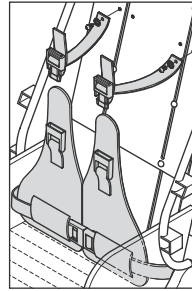
(fig. 14)

H-belt

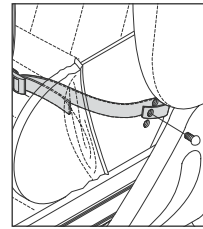


(fig. 15)

Seat waistcoat



(fig. 16)



(fig. 17)

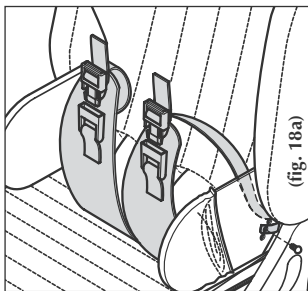
Cut the seat padding open in the quilted seam. Guide both upper belts through the resulting grooves. Insert the Allen screw through the belt eyelet into the back plate screw thread and screw it down firmly (figs. 14-16). Guide both lower belt ends respectively right and left from the inside around the outer rim of the seat side supports and attach them externally in one of the three nut inserts using an Allen key. (fig. 17)

Butterfly harness (fig. 14): size 1, item code: 6616 (small: S),
size 1 + 2, item code: 6617 (medium: M),
size 2, item code: 6717 (large: L)

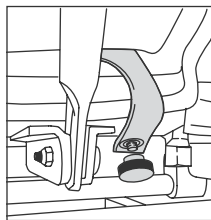
H-belt: (fig. 15): size 1, item code: 6629, size 2, item code: 6729

Seat waistcoat: (fig. 16): size 1, item code: 6631 (small: S),
size 1 + 2, item code: 6632 (medium: M),
size 2, item code: 6731 (large: L),

Soft pelvic harness



(fig. 18a)



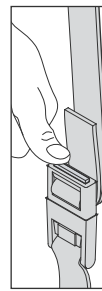
(fig. 18b)

Place the soft pelvic harness on the seat surface (buckles point downwards). Attach both belts which run to the back under the seat surface to the rear crossbar (turn the hand screws using existing screw thread). Attach the belts which pull to the side on the right and left-hand sides of the seat side supports. Guide both lower belt ends respectively right and left from the inside around the outer rim of the seat side supports and attach them externally in one of the three nut inserts using an Allen key. (fig. 18a-b)

EASyS size 1, item code: 6614

EASyS size 2, item code: 6714

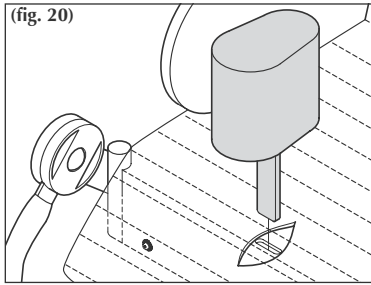
Belt buckle



(fig. 19)

The belt buckle is equipped with quick-action fastening: pull the buckle to the end of the belt, place the child, close the buckle and pull the belt ends tight. (fig. 19)

Abduction block

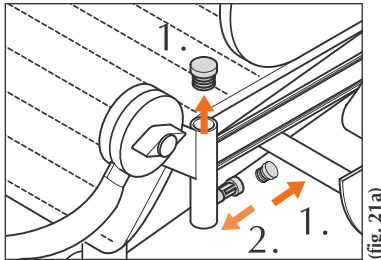


Cut the seat padding open in the quilted area. Insert the abduction block through the opening (narrow end pointing toward the child's body). Tighten the screw at the front of the seat unit to lock the abduction block in place. Adjust the abduction block height by loosening the screw fitting. (fig. 20)

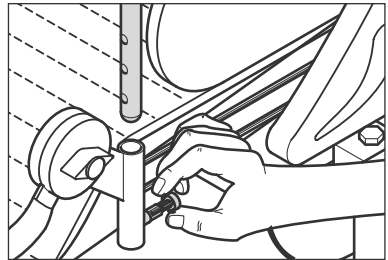
EASyS size 1, item code: 6620

EASyS size 2, item code: 6720

Grip rail



(fig. 21a)



(fig. 21b)

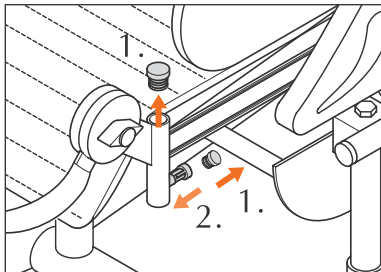
The retainer tube must be prepared before the grip rail is mounted:

1. Remove the plastic caps.
2. Screw in the tension locking pins.

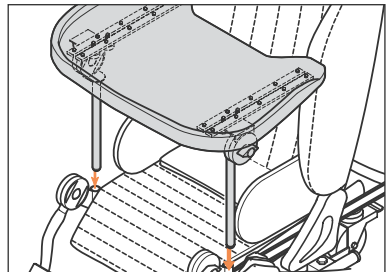
Insert the grip rail in the tubes: a height of 14, 16.5, 19 or 21.5 cm (5.5, 6.5, 7.5 or 8.5") can be set using the locking pin. Turn over the grip rail to vary the distance to the child. (fig. 21a-b)

EASyS size 1, item code: 6621 EASyS size 2, item code: 6721

Tray



(fig. 22a)



(fig. 22b)

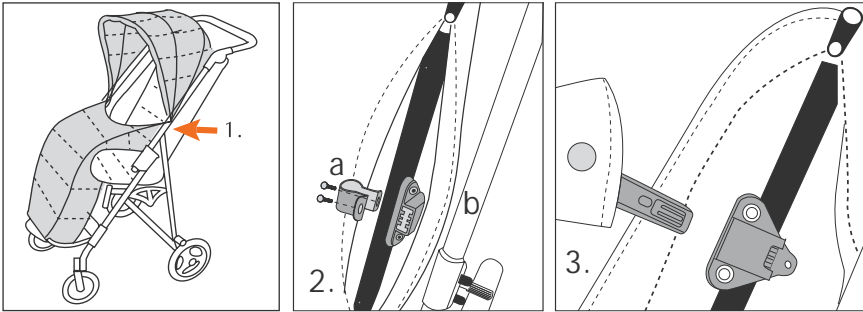
The retainer tube must be prepared before the tray is mounted:

1. Remove the plastic caps.
2. Screw in the locking pins.

Now the tray can be inserted in the tubes and a height of 14, 16.5, 19 or 21.5 cm (5.5, 6.5, 7.5 or 8.5") set using the locking pin (fig. 21a). Bend the tray for mounting and fold it as far forwards as possible. Angle adjustment is made using two hand screws in the 15° grid. Depth setting is made using four hand screws in the guide rail underneath the tray. (fig. 22b)

EASyS size 1, item code: 6630 EASyS size 2, item code: 6730

Sun/rain cover with leg blanket



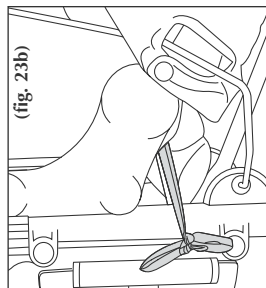
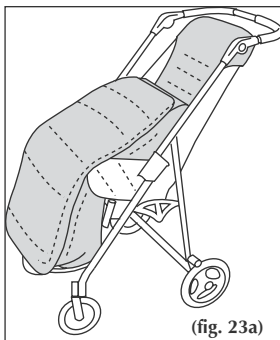
Open the zippers each on the left and right lateral backrest upholstery (1). Screw tight the receiver with the clamp (a) between the two markings on the tube. Make sure that the straight side of the triangle receiver (b) faces forwards (2). Now put the sun / rain cover into the receiver (3). Close the zippers as far as they will go.

The leg blanket can be buttoned to the sun/rain cover. If necessary, remove the cover apron using the zipper which runs around it (under the back cover clamp).

EASyS size 1, item code: 6637 EASyS size 2, item code: 6737

Tip: To fold the hood, swivel the hood behind the back of the seat before folding it up behind the back.

Sleeping bag

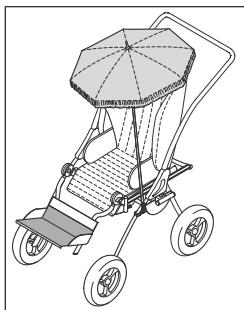


sections can be joined at all back heights which can be set using Velcro. (fig. 23a-b)

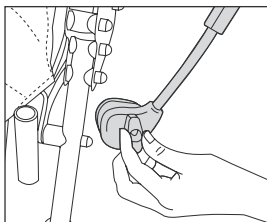
Pull the upper section over the backrest and down to the seat surface. Place the lower section on the seat surface, guide the strings through the groove between the back and the seat surface and fasten them on the black plastic sliding elements on the guide rails. The upper and lower

EASyS size 1, item code: 6618 (woven fur) EASyS size 2, item code: 6718 (woven fur)
EASyS size 1, item code: 6619 (padded) EASyS size 2, item code: 6719 (padded)

Umbrella



(fig. 24a)



(fig. 24b)

Mount the umbrella on the right or left -hand side of the chassis. (fig. 24a-b)

EASyS size 1, item code: 6643

EASyS size 2, item code: 6643

Upholstery

The upholstery can be easily removed. The Trevira CS material and the interlaced spacing yarns are made of high-quality cloth which can be washed at up to 30°C. The material is printed with non-poisonous dyes which are free of heavy metals. Please be aware that the high-quality materials may also become bleached as a result of long-term and intensive sunlight or due to frequent washing. The upholstery is flame resistant. (fig. 25)



(fig. 25)

Care instructions for Velcro fasteners:

In order to maintain the functionality of the Velcro fasteners, brush them down from time to time. Always close the Velcro fasteners when washing them.

Guarantee terms / CE marking

The company Thomashilfen is certified in accordance with the ISO standards DIN EN ISO 13485:2003 and guarantees the quality of the products they supply. Both material selection and processing meet the very highest of manufacturing standards. Every single part is always subjected to final inspection.

Thomashilfen offers you a guarantee of 3 years for all frame parts, commencing on the date of purchase. This guarantee incorporates all claims which influence functionality. Damages due to improper use (e.g. overloading), and natural wear and tear are excluded.

EASyS meets the requirements of the European EN 1888 standard and is provided with a CE marking.

Enjoy using your EASyS rehabilitation stroller!

**Thomashilfen**

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