

A chassis Advantage

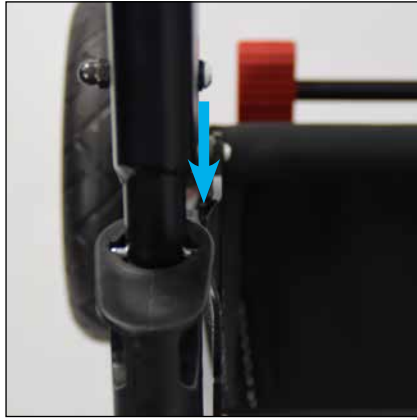
User manual – A chassis Advantage

CE


Thomashilfen



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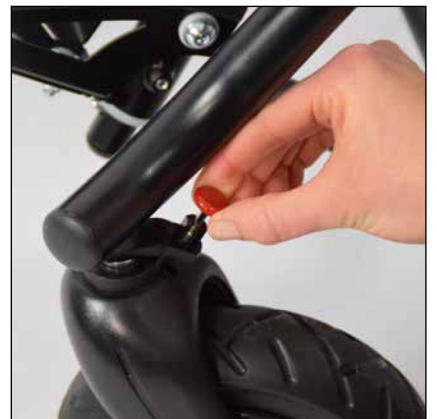
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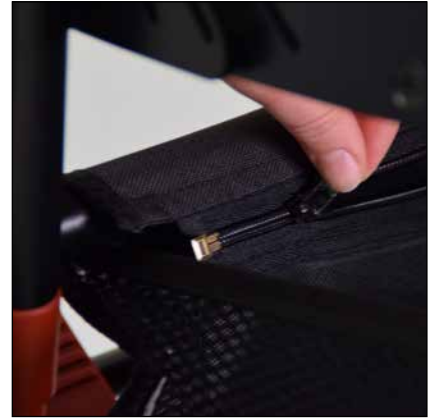
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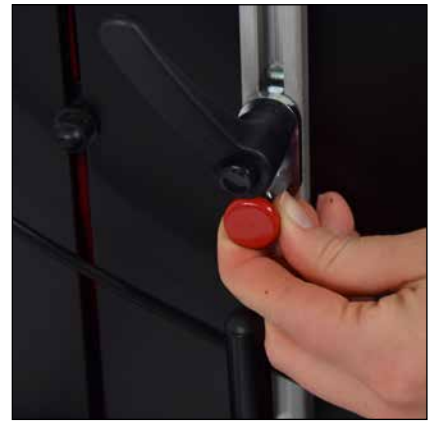
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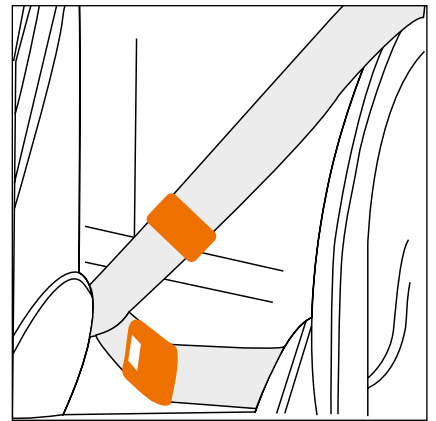
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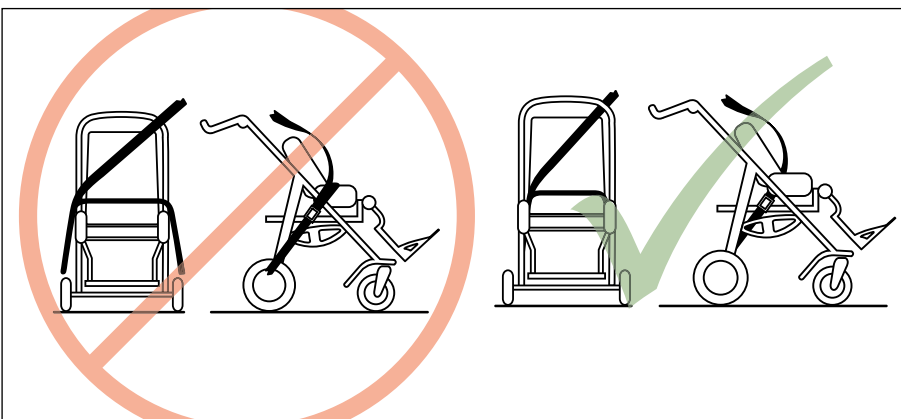
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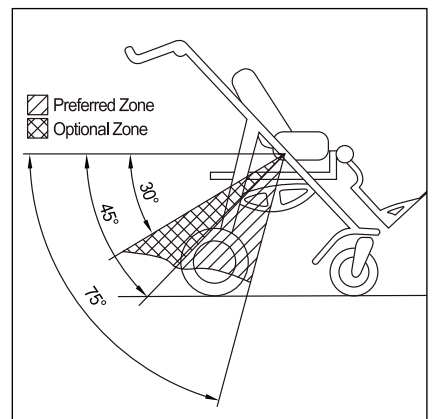
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Dear user of the A chassis Advantage:

The chassis you have purchased is an innovative product made by Thomashilfen.

Please read this user manual in order to ensure that the handling of the A chassis Advantage – together with the seat unit of your choice – is safe, practical and comfortable for you, and especially for your child.

If you still have any questions or problems, please call your local dealer or contact us directly.

We want to take this opportunity to draw your attention to our website www.thomashilfen.com, where you can find the latest information and important product safety information, as well as information about any product recalls.

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Application risks and contraindications

When used appropriately, risks for the application can be excluded. Contraindications are not known.

Purpose and areas of application

When combined with a matching seating system, the chassis is suitable for an ergonomic transfer (height-adjustable handle) of children with disabilities. The transport of disabled children by their parents or other suitable assistants must take place at no more than walking speed on firm, level ground indoors and outdoors. The chassis, in conjunction with the EASyS Advantage seat unit, must not be used for other purposes (for example, as a transport vehicle for more children, for shopping bags, etc.). In combination with the EASyS Advantage seat unit, the “Crash” version of the A chassis Advantage has been approved for transporting children in motor vehicles and vans for disabled people in accordance with ISO 7176-19 and ANSI / RESNA WC 19.




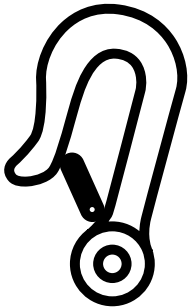
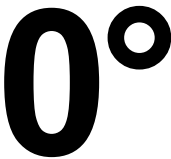
Safety checks and maintenance intervals

A visual inspection of all the operating controls and fastening screws should be carried out each month by a qualified specialist.

Please observe the following notes regarding safety

- Before using the product for the first time, read the user manual carefully; if you have poor eyesight, have someone read it to you. If the user manual is lost, you can download it at any time in the download area of our website www.thomashilfen.com. The stored PDF document can also be displayed at a larger size.
- **IMPORTANT:** Always secure the child using the 2-point pelvis belt or a different retaining belt (sold separately); never leave the child unattended in the rehab stroller.
- **CAUTION:** When stopping for a long period, you should lock the rehab stroller using the foot brake, thus preventing the stroller from unintentionally rolling away.
- **CAUTION:** The gap between the chassis and the brake release rod may pose a risk of getting clothes and limbs caught in the area of the feet.
- **CAUTION:** The gap between the seat and the chassis may pose a risk of getting clothes and limbs caught in the seat area.
- **CAUTION:** Sunlight, electric heaters or other heat sources may excessively warm up the seat / rehab stroller. In this case, there is the risk of burning on the back and legs upon contact! Therefore, always ensure that the seat / rehab stroller is not exposed to these heat sources during use and storage; use it only when it has cooled sufficiently.
- Please do not overload your rehab stroller and observe the maximum load capacity (see the specifications).
- In the dark, reflective clothing makes you and your child more visible for other road users.
- Lift the rehab stroller only using firmly welded or screwed-on components (front frame tube above the front wheels, rear axle, push handles / push bar).
- Make sure that you do not injure yourself when folding and unfolding the rehab wagon.
- Attaching heavy bags or string bags to the stroller increases the risk of tipping. Use the basket on the chassis.
- When handling the A chassis Advantage, especially when folding and unfolding it, heed the recommendations in the user manual.
- Do not leave your child unattended when he or she is getting into or out of the rehab stroller; if the footrest is subjected to an excessive load, there is a risk of slipping or tipping.
- Please keep your children away from the packaging; there is a danger of suffocation.
- Only one child at a time may be placed in the rehab stroller.
- Previous market experience has not shown any dangerous combinations of devices with the A chassis Advantage.

Symbols and warning signs

Sticker	Meaning
	<p>Specification labels / loading capacity stickers</p> <p>The specification label of the chassis is attached at the bottom of the rear frame.</p> <p>The specification label includes the name of the manufacturer, including the address; the type designation, the maximum loading capacity and the CE label.</p>
	<p>Bar code label</p> <p>The bar code label is attached to the crossbar, above the red suspension elements of the chassis.</p> <p>The bar code label includes the item number, designation, serial number and production date of the product.</p>
	<p>Only for standard version:</p> <p>This version is not approved for use as a seat in a motor vehicle.</p>
	<p>Only for “Crash” version:</p> <p>Identifies the 4 mounting points on the A chassis Advantage to secure it in a van for disabled persons.</p> <p>It also identifies the locking pin on the side of the chassis, which locks the seat angle in a reclined position.</p>
	<p>Only for “Crash” version:</p> <p>The active seating position (seat tilt of -10°) can be set only when the locking pin marked with this sticker is pulled out.</p>

Specifications and versions

A chassis Advantage	A chassis Advantage size 1	A chassis Advantage size 2
Seat tilt-in-space	-10° to +35°	-10° to +35°
Seat height	470 mm / 18.5"	460 mm / 18.1"
Turning range of seat	180°	180°
Can be safely tipped up to max.	11°	11°
Push bar height	715 - 1170 mm / 28.1 - 46.1"	715 - 1170 mm / 28.1 - 46.1"
Turning circle	830 mm / 32.7"	990 mm / 39"
Wheel size (front (caster wheels) / rear)	180 mm / 250 mm // 7.1" / 9.8"	180 mm / 250 mm // 7.1" / 9.8"
Wheel width (front (caster wheels) / rear)	45 mm / 50 mm // 1.8" / 2"	45 mm / 50 mm // 1.8" / 2"
Overall dimensions, A chassis Advantage (l x w x h), ready for use	995 x 595 x 960 mm 39.2 x 23.4 x 37.8"	1070 x 690 x 1080 mm 42.1 x 27.2 x 42.5"
Folded dimensions, A chassis Advantage (l x w x h)	810 x 595 x 380 mm 31.9 x 23.4 x 15"	810 x 690 x 380 mm 31.9 x 27.2 x 15"
Overall dimensions with EASyS Advantage seat unit (l x w x h), ready for use	995 x 595 x 1140 mm 39.2 x 23.4 x 44.9"	1070 x 690 x 1200 mm 42.1 x 27.2 x 47.2"
Folded dimensions, with EASyS Advantage seat unit (l x w x h)	820 x 595 x 425 mm 32.3 x 23.4 x 16.7"	860 x 690 x 550 mm 33.9 x 27.2 x 21.7"
Weight (without seat unit)	9.8 kg / 21.6 lb	10.9 kg / 24 lb
Max. load capacity (including seat unit and basket)	50 kg / 110.2 lb	55 kg / 121.3 lb
Max. load capacity of the basket	5 kg / 11 lb	5 kg / 11 lb

The A chassis Advantage is available in the following versions:

Item No.	Designation	Equipment
6201/3	A chassis Advantage size 1	Pivoting front wheels with steering stop; not approved for use as a seat in a motor vehicle
6202/3	A chassis Advantage size 1 Crash	Pivoting front wheels with steering stop; equipped and approved for use as a seat in a motor vehicle
6401/3	A chassis Advantage size 2	Pivoting front wheels with steering stop; not approved for use as a seat in a motor vehicle
6402/3	A chassis Advantage size 2 Crash	Pivoting front wheels with steering stop; equipped and approved for use as a seat in a motor vehicle

Scope of delivery

The A chassis Advantage is delivered pre-assembled with the basket unattached. If the chassis was ordered together with the seat unit, the seat unit is already mounted to the chassis upon delivery. In addition, the chassis is supplied with a user manual.

Basic equipment of the chassis

Sturdy, lightweight aluminum chassis, foldable; adjustment of the seat angle as well as seat assembly and disassembly using a central lever; suspension integrated in the rear frame; height-adjustable handle with biocompatible handle; foot-operated parking brake; puncture-proof EVA tires; swiveling front wheels with steering stop; removable basket; folding can be locked.

The "Crash" model is also equipped with special connection points so that it can be used as a seat in a motor vehicle.

Setup and assembly

The settings / adjustments must always be made by trained / instructed professionals (such as medical product consultants of specialist medical dealers). Using the release lever, the seat can be removed from the A chassis Advantage without tools. It is important that the release lever remains actuated while inserting and removing the seat unit. No tools are required when using the seat unit and the chassis for the first time, except for the Allen wrench that is supplied with the seat unit.

The accessories are attached / removed using commercially available tools. Separate installation and operating instructions are included with the accessories. If these are missing, you can download the instructions from the download section of our website www.thomashilfen.com at any time.

Inserting the seat unit

Activate the release lever on the backrest and insert the seat unit into the chassis from above (Fig. 1). Make sure that the buttons on the sides of the seat unit between the folding joint and the connecting strap of the rear frame and the sliding support are properly threaded through (Fig. 2). Now guide the buttons on the sides of the seat unit into the receiving slots on the sides of the chassis (Fig. 3) and let the seat unit slide into position (Fig. 4). When you release the trigger, the seat unit engages into the closest position of the hole matrix.

CAUTION: Always ensure that the locking pins on both sides of the seat unit engage firmly into a hole in the hole matrix.

Removing the seat unit

To remove the seat unit, actuate the release lever and pull the seat unit upwards out of the frame (Fig. 1). Make sure that the buttons on the sides of the seat unit between the folding joint and the connecting strap of the rear frame and the sliding support are properly threaded through (Fig. 2).

Folding

Folding open

Unlock the lock for folding. To do this, pull out the red locking pin on the right side of the chassis and rotate it by 90° (Fig. 5). Take the rehab stroller by the push handle and pull it upwards while placing your foot on the rear axle (pull until the push handle engages with a click). Then place the backrest in the upright position (release the clamping lever at the back of the seat unit; Fig. 6). The footrest must be fastened to the knee joints. To do this, align the ratchet joints and fasten them to the screws (from the inside), the saddles (from the outside) and the eccentric levers (from the outside; Fig. 7).

Folding closed

Bring the reclining seat into the horizontal position and unlock the locking lever on both sides of the chassis (pull upwards) while pressing the push bar down (Fig. 8). Then bring the backrest into the lying position, remove the knee angle, flip up the footplate, and swivel the footrest as far forward as possible under the seat unit (Fig. 9). To secure the rehab stroller in the folded state, rotate the red locking pin on the right side of the chassis by 90° (Fig. 5). Lift the push handle slightly until the locking pin of the lock for folding engages.

CAUTION: Hold onto the frame; do not drop it.

Note regarding folding: When folding the seat closed, always ensure that the seat position is horizontal.

Swivel seat function

NOTE REGARDING SAFETY: Each time that the seat is modified, ensure that the seat unit is properly and securely locked before placing your child into the rehab stroller.

Secure the chassis from rolling away using the parking brake (Fig. 10). Actuate the release lever on the back of the EASyS Advantage seat unit and pull the seat unit upwards out of the chassis (Fig. 1). Make sure that the buttons on the sides of the seat unit between the folding joint and the connecting strap of the rear frame and the sliding support are properly threaded through (Fig. 2) and that the release lever remains actuated while removing the seat unit.

Now the seat unit can be placed facing the rear. Activate the release lever on the backrest and insert the seat unit into the chassis from above (Fig. 1). Make sure that the buttons on the sides of the seat unit between the folding joint and the connecting strap of the rear frame and the sliding support are properly threaded through (Fig. 2) and that the release lever remains actuated while removing the seat unit. Now guide the buttons on the sides of the seat unit into the receiving slots on the sides of the chassis (Fig. 3) and let the seat unit slide into position (Fig. 4). When you release the trigger, the seat unit engages into the closest position of the hole matrix.

CAUTION: Always ensure that the locking pins on both sides of the seat unit engage firmly into a hole in the hole matrix.

Foot brake function

Activation: Place your foot on the brake lever and push it down (Fig. 10).

Release: Place your foot under the brake lever and push it up (Fig. 10).

Parking brake function for the front wheels

Activation: Position the front wheel so that it is straight and allow the braking pin to engage (makes an audible “click”).

Release: Pull the braking pin out and fasten it by rotating it 90° (Fig. 12).

Adjustment of the seat tilt

CAUTION: When adjusting the seat tilt, always hold the back of the rehab stroller to avoid jerky changes in position for the child. We recommend that you make these adjustments without the child in the seat unit. When making adjustments with the child in the seat, the child must always be held / secured by a second person.

Actuate the release lever on the back of the seat unit and swivel the seat to the desired seat tilt (Fig. 1). When you let go of the release lever, the seat unit engages into the closest hole in the hole matrix.

CAUTION: Always ensure that the locking pins on both sides of the seat unit are engaged firmly in place in a hole in the hole matrix.

CAUTION: During day-to-day use, ensure that the release lever always remains unobstructed and is not accidentally triggered / pulled (due to counterpressure / contact with other objects). Otherwise, there is an increased risk of tilting / injury for the child.

NOTE: In the “Crash” version of the A chassis Advantage, an additional locking pin for limiting the active sitting position (-10°) is mounted on the side. It is indicated by a “0°” label (Fig. 17)

This locking pin prevents the active sitting position from being set unintentionally. If the active seating position is to be used, the pin must be pulled out during tilting. If the seat is moved out of the active seating position, the pin automatically reinserts itself again.

Tipping aid (accessory)

Place your foot on the tipping aid, hold the rehab stroller with both hands, and tilt it (Fig. 13).

Suspension

The suspension is always active. It is suitable for any body weight up to the maximum load capacity of the seat unit and does not have to be adjusted to the child's weight.

Basket

The basket has snap hooks on both sides at the front. At the rear, it is fastened to the chassis with a zipper. Guide the basket into the chassis from the rear. Place the fastening strap at the rear end of the basket around the crossbar of the rear frame (Fig. 14) and fasten the basket with the zipper (Fig. 15). Then insert the basket's snap hooks into each of the large openings on the front end of the chassis' side (Fig. 16).

The basket can be left in place when folding the chassis. However, if the chassis is kept folded over a longer period, we recommend removing the basket beforehand to avoid warping of the bottom plate.

The basket can be washed in the washing machine at 40° C. First remove the bottom plate through the opening on the inside of the basket; heed the care instructions.

(Maximum load capacity of the basket: 5 kg)

Transport

The EASyS Advantage seat unit, together with the A chassis Advantage, can be folded up for transport in a vehicle trunk. Heed the instructions for folding the rehab wagon and use the lock for folding to avoid unintentional unfolding (Fig. 5).

The seat unit and chassis can be separated so that their weights can be lifted separately. In this regard, please refer to the instructions for removing the seat unit.

To ensure the simplest possible handling, use one hand to grab the seat unit on the handle on the back rest, to which the release lever for the seat tilting is also attached (Fig. 1). With the other hand, grab the front edge of the seat. The chassis can be lifted by holding the frame on the sides or the bent pipe which connects the left and right front frames.

Use as a seat in a motor vehicle

In combination with the EASyS Advantage seat unit, the "Crash" version of the A chassis Advantage has successfully passed the crash test according to the international ISO 7176/19 standard as well as ANSI / RESNA WC 19 and can be used as a seat in a motor vehicle.

IMPORTANT: If the A chassis Advantage is to be used together with the EASyS Advantage seat unit as a seat in a motor vehicle, the following instructions are to be heeded.

Together with the A chassis Advantage, the EASyS Advantage seat unit has been designed for transport in the forward direction. Whenever possible, the user should be placed on one of the vehicle seats and the installed restraint system should be used.

Use only chassis / passenger restraint systems that are in accordance with ISO 10542 to secure the A chassis Advantage, together with the EASyS Advantage seat unit, to the floor of the vehicle.

The 4 attachment points on the A chassis Advantage are indicated by the following symbol:



NOTE REGARDING SAFETY: If the rehab stroller is used as a seat in a motor vehicle, the locking pin on the side of the chassis must be engaged; this is also indicated by the symbol above (Fig. 17). In this way, the seat angle is locked in a reclined position.

Preparing the EASyS Advantage seat unit, together with the A chassis Advantage, for transport:

1. Remove the following parts (if attached); abduction block, tray, sun and rain cover without leg blanket, sun umbrella, grip tray, storage tray, accessory bag, and the contents of the basket.
2. Use the installed rails to correctly position the rehab stroller in the car in the forward direction. Actuate the parking brake.
3. Make sure that the hip angle setting is fixed at 90°. To this end, the locking pin on the backrest must engage (Fig. 18)

Fastening the EASyS Advantage seat unit, together with the A chassis Advantage, in a motor vehicle:

1. The rehab stroller must be safely secured in the vehicle using a 4-point belt system (according to ISO 10542-2, SAE 2249 or DIN 75078/2). (The manufacturers of these belt systems are, for example, Unwin Safety Systems and Q'Straint.)
2. The driver and / or the assistant should be familiar with the use of these belt / restraint systems.
3. The two front belts (snap hook) must be attached to the left and right steel rings above the front wheel fork (Fig. 19).
4. The two rear belts (snap hook) must be attached to the two safety tie-down kits on the rear frame (Fig. 20)

Applying the restraint system:

1. The crash test was carried out with a lap belt (available as an accessory). This lap belt should be used under the belt of the restraint system.
2. The user must be secured with an approved restraint system. Thomashilfen recommends using an automatic belt or a 3-point restraint system. (Manufacturers: Unwin Safety Systems and Q'Straint.)
3. The driver and / or the assistant should be familiar with the use of these belt / restraint systems.
4. The user's lap belt must be positioned flat on the user's pelvis without contacting the abdomen. The lap belt should extend between the side guide and the user on the right and left sides (Fig. 21).
5. The lap belt must not be separated from the user by parts of the rehab stroller (sides, wheels; Fig. 22)

NOTE: The belt must not be twisted

6. The angle of the lap belt should lie between 30° and 75° (Fig. 23).
7. The lap belt should be as tight as possible, but should also be comfortable for the user.
8. The upper body belt of the restraint system must be fastened to the vehicle wall at a height so that it is ensured that the belt strap is located in the middle of the user's shoulder and passes under the push handle (Fig. 22).

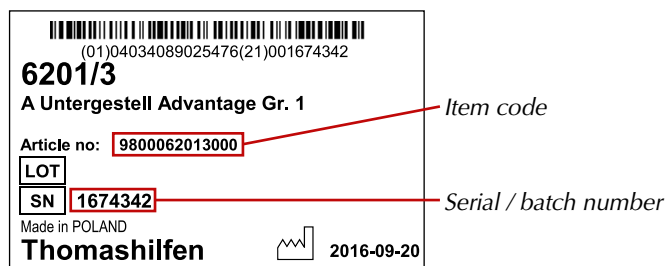
NOTE: Only a shoulder belt that is fastened to the side wall of the vehicle satisfies the current requirements for safely restraining the user.

Product / serial number

To obtain the correct spare parts or for any technical call-backs that may be required, we always need you to provide us with the serial number and the precise item number.

The serial number and the item number of the

A chassis Advantage are located on the bar code label that is attached to the cross bar of the rear frame.



Cleaning, disinfection and care

A chassis Advantage units are made of high-quality steel and aluminum tubes. These are coated with durable powder stove enameling that can be cleaned with commercial (neutral) soaps.

Disinfection

Wipe all parts of the product with a cloth that is damp with disinfectant. Only water-based disinfectants should be used. When disinfecting, the manufacturer's application instructions must be heeded.

Basket

The basket can be washed in the washing machine at 40 °C. First remove the bottom plate through the opening on the inside of the basket; heed the care instructions.

Warranty terms / CE label

Thomashilfen offers a 3-year warranty on all frame parts from the date of purchase. The warranty covers any claims affecting the functioning. Excluded is damage that arises due to improper handling (e.g. overloading) as well as normal wear.

The A chassis Advantage meets the requirements of European standard EN 12182 and EN 12183 and is provided with a CE label.

We hope you enjoy your rehab stroller!

Maintenance schedule – annual inspection / reutilization

Preparation

A user manual must accompany the product. If none is present, please order one from the manufacturer. Familiarize yourself with the functions of the product. If you are not familiar with the product, read the instructions carefully before the inspection. Clean the product before the inspection. If necessary, heed the care instructions and product-specific inspection instructions in the user manual.

Item	Area ☑ = Inspection performed	(I = Inspection / R = Reutilization)							
		Function		Damage		Warping		Replace	
1	Seat	I/R		I/R		I/R			
2	Angle adjustment	I/R		I/R		I/R			
3	Height adjustment	I/R		I/R		I/R			
4	Seat cushion			I					R
5	Missing caps and plugs								I/R
6	Back	I/R		I/R		I/R			
7	Angle adjustment	I/R		I/R		I/R			
8	Height adjustment	I/R		I/R		I/R			
9	Back cushion			I					R
10	Push bar	I/R		I/R		I/R			
11	Push bar cover			I					R
12	Chassis	I/R		I/R		I/R			
13	Tires	I		I		I			R
14	Hand brake	I/R		I/R		I/R			
	Options								
15	Headrest	I/R		I/R		I/R			
16	Headrest cushion			I					R
17	Lateral trunk support	I/R		I/R		I/R			
18	Lateral trunk support cushions			I					R
19	Armrests	I/R		I/R		I/R			
20	Arm supports			I					R
21	Lateral hip support	I/R		I/R		I/R			
22	Lateral hip support cushions			I					R
23	Abduction wedge	I/R		I/R		I/R			
24	Abduction wedge cushion			I					R
25	Lateral tibia support	I/R		I/R		I/R			
26	Lateral tibia support cushion			I					R
27	Tray	I/R		I/R		I/R			
28	Belts	I/R		I/R		I/R			
Maintenance was carried out						on:			

Service and repairs to the rehab stroller may be carried out only by qualified personnel. The user of this rehab aid must ensure that the required inspections / maintenance be carried out regularly and on schedule. If damage is evident, the user must actively inform the qualified personnel and have the damage repaired immediately. Only original spare parts may be used for repairs (the list of replacement / spare parts can be found in the download area on our website www.thomashilfen.com).

Removal / attachment of spare parts must always be performed by qualified personnel only! If it is necessary to return the product to your dealer, please make sure that you pack the chassis so that it can be transported without damage.



Member of the International
Support Association for the
Rehabilitation of Children and Youths e.V.

Specialist dealer / Institution

Tendercare Limited



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