

ICON Mobility System



Manual Wheelchair Series – 10, 20, 30, 40
User's manual (EN)



ICON-10
Basic light weight steel folding wheelchair



ICON-20
Standard lightweight aluminum folding wheelchair



ICON-30
High performance light weight
aluminum folding wheelchair



ICON-40
High configuration light weight
aluminum folding wheelchair



more than mobility

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1. General information

Dear customer,

Thank you for choosing an **ICON** wheelchair. We are sure that the quality, durability and design of the chair will not disappoint you. This user manual contains a description of the medical device and important guidelines to ensure a correct and safe usage of the product. Please read this manual carefully. It is especially important to read the safety requirements and to follow these.

REHASENSE® continuously develops its products and reserves the right to change specifications and functions of products without notice.

The **ICON** wheelchair is not allowed to be used as a vehicle seating option in moving vehicles (like private cars, buses, trains, metro etc.). For detailed information please refer to the chapter "Transport recommendations".

By queries please contact your dealer or **REHASENSE®** directly. The contact data is located on the last page of this manual.

Intended use and indications for use

Intended use: The manual wheelchair is a medical device indicated for use by persons with limited motion abilities who are unable to stand, walk and/or seat independently. It is dedicated for transportation and moving of such people in sitting position. Users can move with the wheelchair independently or with a help of an attendant. The chair can be used indoor and as well as outdoor on different surfaces (asphalt, concrete, stone and gravel) in good weather conditions. Any other use is prohibited.

Indications: The device is specifically indicated for individuals who (because of the wide variety of possible health problems) are unable to stand and/or walk and so they need a transportation device to maintain some or all daily tasks.

Contra-indications: This type of wheelchair must not be used by persons with flaccid paralysis or other diseases that cause serious body control problems. Such persons require special wheelchairs designed for an extra stable support of the user's body. The need and possibility of usage of an **Icon** wheelchair should be always estimated and indicated by a physician or a physical therapist. The manual wheelchair is a medical device indicated for use by persons with limited motion abilities who are unable to stand, walk and/or seat independently. It is dedicated for transportation and moving of such people in seating position.

Safety and quality standards

The **ICON** wheelchair has passed all necessary tests and it is in conformity with following European Standards: PN-EN 12182:2005; PN-EN 12183:2010; PN-EN 1021-1:2007; PN-ISO 7176-1,3,5,7,8,15 and PN-ISO 7176-19 for **ICON 20, ICON 30 and ICON 40**.

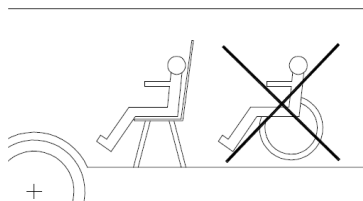
The conformity is visible by the CE marking on the medical device. Upon a correct usage of the wheelchair we foresee its failure-free work for years.

2. Safety Warnings & Recommendations

- The **ICON 10** and **ICON 20** must not be loaded with more than 140 kg.
- The **ICON 30** and **ICON 40** must not be loaded with more than 150 kg for seat widths up to and including 50 cm (1 by 1 cross bar) and 190 kg for 50, 53, 57 and 61 cm seat widths (2 by 1 cross bar).
- The device must not be loaded with less than 75 kg or more than 136 kg for use in approved transport vehicles.
- Make sure that this user manual is read by all persons using the device. The manufacturer doesn't take any responsibility for damages and/or injuries, caused by the fact that the user manual has not been followed.
- Use the product only in good technical condition.
- Use the device only for the purpose it is intended for.
- Avoid making constructive changes on the device, unless you have the manufacturer's written acceptance for such modifications.
- During different adjustments which are possible on the device the user must take care not to squeeze fingers or other body parts between two moving elements of the device
- All wheels should be in contact with the floor at ALL TIMES during use. This will ensure the device is properly balanced and should avoid incidents.
- When using the wheelchair in a stationary position, the hand brakes **MUST** be locked
- If defects or errors are detected, you must immediately contact your dealer.
- Follow the instructions and warnings on all product labels.
- The device must only be used on a stable surface.
- Avoid skin burns during usage of the chair in direct sunlight. Various parts of the product might become hot.
- It is not recommended to use the wheelchair on sand, in mud or in extreme weather conditions.

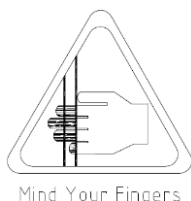
- The attendant of a wheelchair user should be in good shape.
- Do not remove by yourself any parts or accessories of the wheelchair. It may influence product's stability and rigidity.
- Do not place the device near to the sources of heat or fire (fireplaces, ovens, heaters, stoves). It is not recommended to smoke cigarettes when seated on the wheelchair, it is not fire resistant.

WARNING!



The wheelchair is not designed as a seating option for a user in moving vehicles (like e.g. buses, trains, metro, airplanes etc.). It is forbidden to seat on the wheelchair in moving vehicle. The wheelchair should be safely stowed and secured for the time of transportation. The wheelchair user should be safely transferred and seated in a prompt seating system included in the vehicle. It is a great risk of serious incident, injuries and property damage to not follow above rule.

If instructions "using the wheelchair as a vehicle seat" are properly followed, **ICON 20, 30, 40** can be used as a seat in a moving vehicle.



The design of the wheelchair because of its functions includes many moving elements, slots, holes and gaps between device's parts. There is a risk of body part trapping during folding, unfolding and adjusting different elements of the wheelchair. It specially concerns fingers or hands. It is also possible to have a finger cut by moving parts of the device. Always be careful when you adjust or set up a chair to not get your body parts squeezed and injured.

3. Product's General Description

The **Icon** wheelchair comes with a variation of features: parking brakes, detachable & height adjustable legrests, detachable & height adjustable armrests and it is equipped with rear main wheels, front turning casters, single or double cross. The device is made from powder coated steel or aluminum tubing. It is well preserved against corrosion. For some adjustments you will need some standard tools available in all hardware stores.

The wheelchair provides comfortable transportation and storage thanks to its solid cross frame structure, easiness of manoeuvring, easy transfer in and out of the wheelchair.

The wheelchairs are supplied in cartons, detached into few elements for easier transportation.

For standard equipped wheelchairs every package includes:

- 1 Main cross frame with upholstery, 2 brakes, 2 armrests, 2 rear wheels & 2 front casters;
- 2 detachable legrests with footplates;
- 1 user's manual

A set of delivered additional equipment depends on order specification.

This is an example of the product label it is located on the cross bar.

Serial number in standard GS1 (UDI-DI)	SN	ICON 10	Product name
Barcode EAN - GS1 128	(01)05901912636002(11)150901210001	2015-09-01	Production date
		MW101SA07A	Item number
		42.5 cm	Seat width
		140 kg	Max user weight
		Max 10°	Max gradient
		40 cm	Seat depth
Medical Device	CE MD		Familiarize yourself with UM
Barcode EAN 13 in standard GS1	5 901912 636002	REHA SENSE Sp. z o.o. Sulejowska 45 G 97-300 Piotrków Tryb. Poland	Can be used outdoor
			Manufacturer

Main components:



Above photo shows an example of wheelchair with all standard components and their position. The exact appearance of your wheelchair and its features may differ from those shown above (depending on order specification), but their names, functions and locations remain the same.

Optional equipment

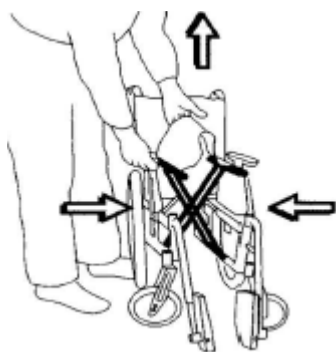
Depending on version and order specification the wheelchair can be equipped with different wheels' types, drum brakes, single or double cross, elevating legrests, amputee legrests, hemiplegic armrests, anti-tipping wheels, headrest, side supports, safety belt, seating cushion, backrest upholstery with tension adjustment, reclining backrest, height adjustable push handles, stability cross bar, table, umbrella, infusion holder, crutch holder.

Wheelchair assembly:

We recommend the wheelchair to be assembled and set up by a professional before it is delivered to the end user.

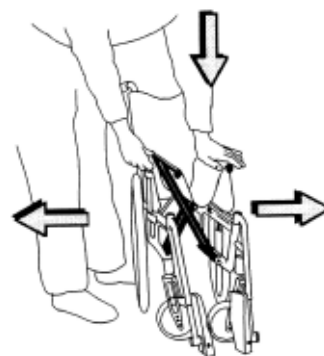
- Take all the chair's elements from the box and check if all components are included according to your order specification. If you discover that some part is missing or damaged, do not continue the assembly process but contact your dealer.
- Detachable components such as rear wheels, leg rests and all additional equipment should be attached and adjusted in accordance with the information included in this user manual.

How to unfold and to fold the wheelchair



To fold: Take the cushion out. Flip up the foot plates. Lift the upholstery of the seat (left picture).

To unfold: Place both hands on the seat upholstery tubes and press them down (right picture). You should be careful and not put your hand between the tubes and the wheelchair frame when unfolding.

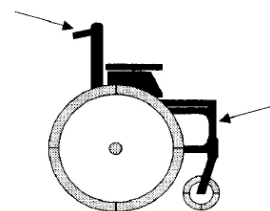


4. Usage

How to lift the chair

Lift the wheelchair using the push handles and the front upper corners of the wheelchair frame, where the leg rests are attached.

WARNING! It is not allowed to lift the wheelchair by holding it by the legrests or the armrests! We recommend detaching the legrests before lifting the chair.



Techniques to get in and out of the wheelchair

Teaching techniques of transferring the user must be done under the strict supervision of qualified staff. We only present our recommendations below

Transferring the user from the wheelchair to the bed

The user should face the bed without regard on the fact if the other person helps or not. Drive the wheelchair as close to the bed as possible and ensure, that front wheels are facing towards. Pull the brake, lift the armrests / side panels on his side of the wheelchair, on which the transfer to the bed will take place.



Transferring the user from the bed to the wheelchair

The user should face the bed without regard on the fact if the other person helps or not. Drive the wheelchair as close to the bed as possible and ensure, that front wheels are facing towards. Pull the brake, lift the legrests. Do not climb the legrests, it can cause falling over the wheelchair. The attendants should use mainly the strength of muscles of legs to draw the wheelchair on stairs avoiding the excessive bending down and impairing the muscles of backs.



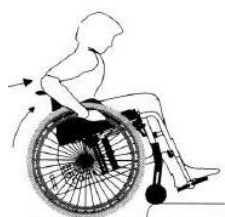
Driving the wheelchair

The correct weight distribution is a basic element of proper wheelchair usage. The correct wheelchair operation depends not only on weight but also on body proportions, the position of the person seating in the wheelchair and the position of the rear wheels. The larger the weight proportion of the user resting on the rear wheels the easier it is to propel. The larger the weight proportion of the user resting on the front wheels the harder it is to propel the wheelchair.

WARNING! Always ensure, that the brake is applied, when the attendant is leaving the wheelchair with the user sitting in it.

WARNING! Always ensure, that the front casters always point forwards, if the wheelchair stands still, to enlarge their contact with the base.

How to ride on a threshold



User facing the threshold

(We advise, to use the below mentioned technique only by experienced wheelchair users)

Drive the wheelchair as close to the threshold as possible

Incline the wheelchair backwards balancing on the rear wheels and lift the front turning wheels to the height of the threshold. Push the rear wheels forwards and in the same time lean over transferring the weight to the front of the wheelchair.



Attendant and user facing the threshold

The attendant inclines the wheelchair backwards by using the step pedal, allowing the front casters to come off the base. Drive forward until the rear wheels touch the edge. Use the handles at the back of the wheelchair to lift the rear wheels on the threshold.



Users with their back to the threshold

(The below mentioned technique will only work in case of a low threshold and if the legrests don't touch the ground.)

Drive to the threshold backwards until the rear wheels touch it. Push the rear wheels backwards leaning forwards at the same time.



Attendant and user with their back to the threshold

Drive to the threshold so that the rear wheels touch the edge. Tilt the wheelchair backwards with use of the step pedal allowing the front casters to come off the base as much as it is necessary. Pull the wheelchair backwards on the threshold until the front casters are above the threshold. Then carefully lower the front casters onto the base.

How to ride down from a threshold

User facing the thresholds edge

(We advise, to use the below mentioned technique only by the experienced wheelchair users)

Drive the wheelchair as close as possible to the edge.

Balance the wheelchair on the rear wheels allowing the front turning wheels to come off the base as much as it is necessary.

Drive from of the edge very slowly and carefully lowering the front turning wheels on the base.



Attendant and user facing the thresholds edge

Incline the wheelchair backwards with use of the step pedal allowing the front casters to come off the base as much as it is necessary.

Drive the wheelchair slowly from of the edge and carefully lower the front casters onto the base.



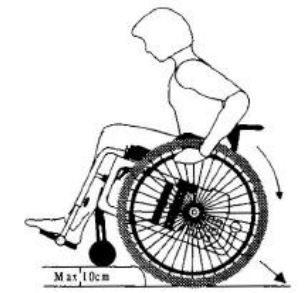
Users with their back to the threshold

(We do not recommend using this technique for driving of a threshold higher then 10cm.)

Drive the wheelchair as close as possible to the edge of the threshold.

Drive off the threshold very slowly leaning forwards at the same time

WARNING! This operation can be dangerous; it can cause the wheelchair to tip over.



Attendant and user with their back to the thresholds' edge.

Drive the wheelchair backwards as close as possible to the edge of the threshold. Drive down from the threshold very slowly and pull back the wheelchair on the rear wheels until the front casters are free from the edge. Then lower them onto the base.



Overcoming slopes

Please follow below instructions when driving on a slope:

- Avoid direction changes
- Try to ride a straight line. Do not turn sideways.
- Do not hesitate to ask for help to avoid unnecessary risks.
- When driving up the slope lean forwards to transfer the center of gravity to the front making the wheelchair more stable.
- When riding down the slope lean backwards to transfer the center of gravity to the back making the wheelchair more stable
- Control the speed by using the rear wheels' hand-rims, not by using the brakes.

Climbing up and down the stairs

WARNING! Always ask other persons for help. The wheelchair must be carried by at least 2 people who are fit and healthy to perform this task

WARNING! Never ride with the wheelchair on an escalator neither on your own nor with the help of another person.



Up the stairs:

Push the wheelchair to the stair touching the first step with the rear wheels. Use the handles to incline the wheelchair backwards. The second attendant should grasp the lower front corners of the frame

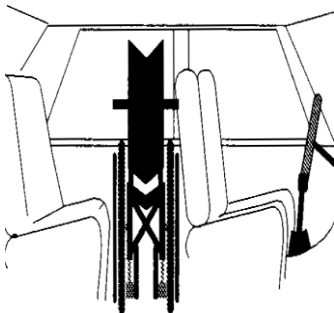
WARNING! Never lift the wheelchair by grabbing the legrests.

Carry the wheelchair slowly up the stairs, step by step. After overcoming the last step pull the wheelchair backwards until the front casters can be lowered onto the floor. The attendants should use mainly the strength of their leg muscles to carry the wheelchair avoiding excessive bending down and impairing of back muscles.

Down the stairs:

Carrying the wheelchair down the stairs should be done in the same way as carrying it up as described above.

Transport recommendations



The **ICON** wheelchair is easy to transport. It can be folded and disassembled to reduce size and weight. It is possible to detach the rear wheels and the legrests and to fold the chair's cross frame very easily as was described previously.

WARNING! The wheelchair is not a car seat. When travelling in vehicles sitting in the wheelchair is prohibited. The chair should be folded and safely immobilized.

5. Cleaning

Frame

The frame ought to be cleaned with use of a damp cloth or alternatively with the addition of a soft detergent. After that it should be wiped with a dry rag. The frame should be regularly inspected, to find damages of the paint, which may cause corrosion. In case of any visible frame damages (cracks, painting defects etc.) ask your local dealer for diagnostics and maintenance.

Upholstery

The seat and the backrest are made of a very durable strengthened nylon. The seat upholstery can be easily removed by removing the screws from the frame tubes. The backrest upholstery can be removed by removing the screws from the backrest tubes. The seat and the backrest upholstery can be washed with use of a sponge and gentle washing soap.

Normal dirt on the metal and the plastic parts can be removed with standard cleaning agents and sponge or soft rag. Check out specific product information and only use commercial cleaning products which are suitable for cleaning and disinfection (no solvents or abrasives).

6. Maintenance & Service

Despite the solid construction and usage of resistant materials the product is subject to wear. It is therefore recommended to have a professional checking the product at regular intervals.

For basic service actions a set of socket wrenches, adjustable spanner, flat head- and cross screwdriver will be sufficient.

Parts, which should be regularly inspected:

<u>Part name</u>	<u>Control type</u>	<u>Control frequency</u>
Tyres	Tyre pressure (2,0-2,2 bar), condition of tread and tyres. One should take care, to keep the pressure in both tyres on the same level. Harder tyres provide better maneuverability and easiness of driving but reduce comfort on bumpy surfaces.	At least once a week
Front castor assembly	Tightness of bolts. A front fork angle adjustment with play can cause breaking of the bolts and tipping over of the chair.	At least once a week
Spokes	Loose spokes can cause deformation of the rear wheels. Contact your dealer or local bicycle service to manage the problem of loose spokes.	If the problem occurs
Wheel axles	Remove the hair or accumulated dirt	If necessary
Push Rims	Excessively scratched push rims ought to be exchanged because they can wound the user's hands while riding the wheelchair	If necessary
Brakes	The braking force depends on the tyre pressure. The efficiency of brake operation can be also affected with dirt accumulated on tyres. Keep the brakes clean wiping them with a damp cloth to remove dirt, and also lubricating the funnel of screws, on which the brake levers turn. Check the brake horizontal position.	Control the correctness of brake operation at least once a week
Frame	Keep the wheelchair clean for better comfort of the user.	At least once a month, depending on usage conditions
Turning wheels	The area between the fork and the front wheel should be kept clean, because dirt accumulating there can cause faster wear of caster bearings. To do so, one should disassemble the front caster by disassembling it from the fork, to remove all dirt, and then preserve the metal elements of the wheel (i.e. to apply technical grease).	The maintenance ought to be made once a month or more often depending on usual surface type & conditions
Detachable elements	Check the condition of detachable elements of the wheelchair; if screws are loose they should be tightened.	In case of intensive exploitation of the wheelchair the inspection should be carried out once a month.

Most common problems and solutions

If you notice any irregularities in the wheelchair's functioning, do not use it – you should contact your local point of sale or the service department of the wheelchair supplier. The manufacturer does not guarantee correctness of the wheelchair operation, if non-original parts are used.

<u>Symptoms</u>	<u>Possible cause</u>	<u>What to do?</u>
The wheelchair seems to tilt on one side	• One of the rear tyres might be inflated more than the other one.	• Inflate tyres (2,0-2,2 bar). • Check displacement of the wheelchair mass
The wheelchair is hard to push	• Low air pressure in tyres. • Front wheels axles are dirty. • Too large load applied on the front turning wheels.	• Inflate tyres (2,0-2,2 bar). • Remove dirt or entangled hair from the front turning wheels axles. • Move the center of gravity.
The wheelchair is hard to turn	• Low air pressure in tyres. • The front wheels horizontal axles are tied to strong • Front wheels axles are dirty.	• Inflate tyres (2,0-2,2 bar). • Check front wheel axles and loosen them if necessary. • Remove dirt or entangled hair from the front turning wheels
Brakes are not working correctly	• Low air pressure in tyres.	• Inflate tyres (2,0-2,2 bar).
It is hard to fold and unfold the wheelchair	• The upholstery fitted to tight. • The frame cross hinge is dirty.	• Loosen screws which hold upholstery and retighten them. • Clean up and lubricate the crossbar hinge.
The wheelchair is not stable	• Low air pressure in tyres. • The elements of wheelchair aren't rigid and tight.	• Inflate tyres (2,0-2,2 bar). • Ensure that all screws and nuts are tightened.
Flat tyres	• Possible puncture of tube & tyre • Tyre and tube are worn down.	• Contact your nearest wheelchair dealer or bicycle service to repair or replace broken tubes and tyres

In case of any product failure we recommend you contact an authorized service. The manufacturer does not guarantee proper functioning of the device if it has been repaired by unauthorized service and/or not using original spare parts.

WARNING! Unauthorized repairs will cause loss of warranty.

Authorized services

For authorized repair you should contact the dealer where product was purchased or contact the manufacturer directly.

Procedure of sending the wheelchair or parts to be serviced

To repair the wheelchair, one should contact the local dealer or the manufacturers' service. The wheelchair or parts ought to be sent in a package protecting it against incidental transportation damages. The best solution is to use the original packaging. The dispatch ought to be organized through the transporting company indicated by the manufacturer.

WARNING! The manufacturer does not take responsibility for transport damages of the device or components caused by improper packing.

Storage

Store device in dry place, where temperature is not freezing. The chair can be folded to reduce space needed for storage. You can also detach legrests to save even more space. Freezing temperatures or humidity may cause damages on tyres, fabric, axles, bearings and other elements of the product. To protect tyres against deformation during long period of storage you can place wood bricks or other supports under the frame. It is also recommended to cover the chair to protect it from dust and dirt.

Disposal & recycling of the product

The product cannot be disposed of with household waste but must be brought to the local recycling center.

7. Warranty

Guarantee information

- The manufacturer covers the product with 24 months guarantee from the purchase date.
- During that period all material or parts defects, caused by manufacturing faults or usage of improper materials will be repaired or replaced free of charge.
- Damages to tyres, upholstery and spokes caused by wear in time during use are not covered by warranty. Other parts of the wheelchair, which undergo normal wear during use are not covered by the warranty either.
- All mechanical defects and damages caused by improper use or usage not intended by manufacturer are not covered by warranty.
- Not authorized changes and modifications of the wheelchair will cause loss of warranty.
- If any defects or damages occur, one should immediately inform the supplier.

Range of responsibility

- The guarantee does not cover transport cost.
- The guarantee does not cover injury or other damages eventually related to a malfunction of this product.
- The warranty does not cover damage caused by the inability to use the product.
- The manufacturer does not bear the responsibility for damages caused as the result of inappropriate or incorrect understanding of this user's manual.

Wheelchair modifications & additionally installed elements

- This definition refers to any wheelchair, which was modified, and which differs from details given in this manual or if additional elements, not supplied by the manufacturer, are fixed to the product. If the device was modified in the above way by the user without the manufacturer's written authorization, it is no more compliant with the CE essential requirements and will not be covered by the guarantee.
- If you have any questions or doubts concerning modifications, please contact the manufacturer before you take any action.

8. Technical Data

Technical Data will vary according to the frame dimensions chosen and the way the wheelchair is set up (front and rear wheels). The data in the table refers to a Seat Width of 45 cm and a Seat Depth of 40cm. All measurements are in centimeters (cm) for distance and kilograms (kg) for weight, unless otherwise stated.

	ICON-10		ICON-20		ICON-30				ICON-40		
					Icon-30i	Icon-30x	Icon-30i	Icon-30x	Icon-40i	Icon-40x	Icon-40x
Cross Bar	1 x 1	2 x 1	1 x 1	2 x 1	1 x 1		2 x 1		1 x 1		2 x 1
Seat widths (cm)	35, 37.5, 40, 42.5, 45, 47.5, 50	53, 57, 61	35, 37.5, 40, 42.5, 45, 47.5, 50	50, 53, 57, 61	30, 35, 37.5, 40, 42.5, 45, 47.5, 50		50, 53, 57, 61	50, 53, 57, 61	30, 35, 37.5, 40, 42.5, 45	37.5, 40, 42.5, 45, 47.5, 50	50, 53, 57, 61
Seat depths (cm)	40, 45	40, 45	40, 45	40, 45	37.5, 40	45	37.5, 40	45	30-45	40-55	40-55
Max User Weight (kg)	140	180	140	180	150	150	190	190	150	150	190
Chair length (cm)	101				101	106	101	106	101	106	106
Chair width (cm)	66				66						
Length (no legrests) (cm)	76				76	81	76	81	76	81	
Folded height (cm)	91				91				92.5		
Folded width (cm)	33		34		34						
Total weight (kg)	16.6	16.8	14.2	14.4	14.6	14.8	14.6	14.8	15.4	16.9	
Transport weight (kg)	7.4		7		7				7.9		
Front seat height (cm)	49				49						
Backrest height (cm)	42				42						
Legrest length range (cm)	34-48				34-48						
Legrest angle (°)	70°				70°						
Armrest height range (cm)	23-28				23-28						
Rear wheel (")	24"				24"						
Front wheel (")	8"				8"						

* Standard size

9. Wheelchair set-up and operation.

9.1. ICON Mobility System Introduction. The ICON system of frames covers a wide range of sizes (depth and width) as well as possibilities to adjust the seat angle, seat height and degree of stability, according to the user's needs. ICON 10, 20 and 30 series are all fixed depth frames, while ICON 40 has an adjustable depth frame. Lower numbered series (10 and 20) have less adjustability and features. These are designed for shared use or where the activity level or needs of the User are lower. Higher numbered series (30 and 40) can be used to match the chair performance more accurately with the Users' abilities and needs.

WARNING – CHANGING THE FRONT AND REAR AXLE POSITIONS OR WHEEL DIAMETERS SHOULD ONLY BE DONE BY A QUALIFIED WHEELCHAIR FITTER OR SERVICE PERSON AND/OR ADVISED BY A THERAPIST QUALIFIED IN WHEELCHAIR FITTING.

INCORRECT SETTINGS CAN RESULT IN AN EXCESSIVELY UNSTABLE WHEELCHAIR WHICH MAY BE DANGEROUS FOR THE USER. ALWAYS CONTACT THE DEALER IF CHANGES ARE THOUGHT TO BE NEEDED.

9.1.1. ICON 10

The ICON 10 is the basic model of the ICON mobility system. It has limited positions for the rear wheel axle large wheels and 3 options for the Attendant Care smaller rear wheels. The front fork has a fixed angle.

Frame settings – ICON 10

The frame seat heights and angles can be changed by changing the wheel sizes (diameters)

Rear wheel assembly



- The rear wheel has multiple axle height positions.

Adjustments of front wheel assembly



- The front forks have a single axle position and no angle adjustment.
- Please refer to the "Wheel Chart" for more information.

WARNING! All above adjustments can only be done by qualified service or advised by a physical therapist. For detailed instructions check out the Service Manual.

9.1.2. ICON 20

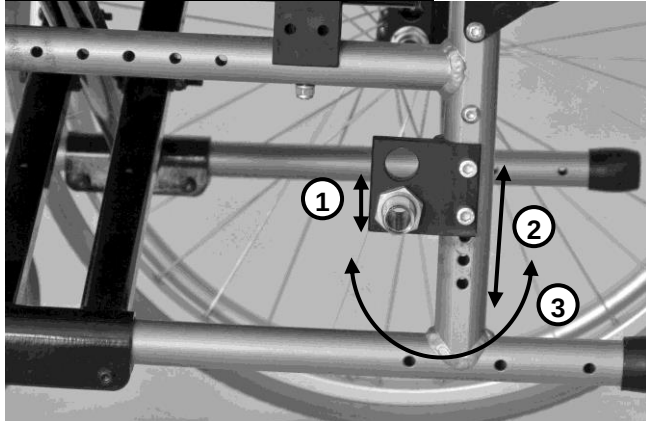
The ICON 20 is the basic model of the ICON mobility system in aluminum. It has multiple rear axle settings for Self-Propelled and Attendant-Propelled setups with wheels of different sizes. The front fork has a fixed angle.

Frame settings

The frame design allows for adjustment of the seat angle and seat height. You can change:

- the angle and/or the height of the seat by changing to another diameter front caster and/or rear wheel
- the angle of the seat by changing the position of the rear wheels.

Adjustments of rear wheel assembly



- To reposition the rear wheel, disconnect and detach the wheel bushing **(1)** from the hole in the black assembly plate and insert the bushing into the other available hole in the plate keeping the correct order of washers and nuts.
- If a wider range of adjustments is required until the 2 bolts **(2)** which attach the black assembly plate to the frame tube, move the plate up or down to the required position and then reinsert and tie the 2 bolts in the new position.
- If increased backward stability is needed (e.g. after lower limb amputations) the black assembly plate can be rotated 180° **(3)** to move the center of gravity backwards.

Adjustments of front wheel assembly



- The front forks have a single axle position and no angle adjustment.
- Different seat heights are achieved by changing of front and rear wheel diameter and rear axle position.
- Please refer to the “Wheel Chart” for more information.

WARNING! All above adjustments can only be done by qualified service or advised by a physical therapist. For detailed instructions check out the Service Manual.

9.1.3. ICON 30

The ICON 30 has multiple rear axle settings for Self-Propelled and Attendant-Propelled setups with wheels of different sizes.

Different degrees of sagittal plane stability (or “tipsiness”) can be selected according to the activity level of the User.

The front caster angle is adjustable which allows for a large combination of seat heights and seat angles to accommodate all kinds of wheelchair users.

Frame settings

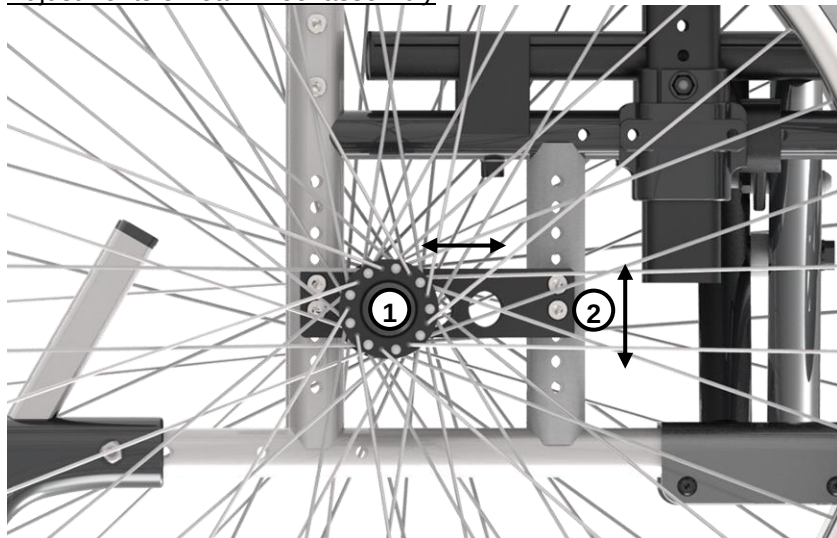
The frame design allows for adjustment range of seat angle and height, as well as different degrees of stability by adjusting the wheelchair’s Center of Gravity (CoG) relative to the rear wheel axle position.

- Moving the axle position closer to the CoG makes the chair easier to tip and more “responsive” for the active wheelchair drivers.
- Moving the axle position further away from the CoG makes the chairs less likely to tip and suitable for users who need more stability and safety.

The frame design allows for adjustment of the seat angle and seat height. Adjustments include: -

- the angle and/or the height of the seat by changing to another diameter front caster and/or rear wheel
- the angle of the seat by changing the position of the rear wheels.
- The angle of the front fork axle to adjust it perpendicular to the floor.

Adjustments of rear wheel assembly



- To reposition the rear wheel, disconnect and detach the wheel bushing **(1)** from the hole in the black assembly plate and insert the bushing into the other available hole in the plate keeping the correct order of washers and nuts.
- If a wider range of adjustments is required untie the 4 bolts **(2)** which attach the black assembly plate to the frame tube, move the plate up or down to the required position and then reinsert and tie the 4 bolts in the new position.
- If a more backward stability is required (e.g. after lower limb amputations) the rear wheel can be mounted at position **(3)** to move the centre of gravity to the rear using a special adaptor.



Adjustments of front caster assembly

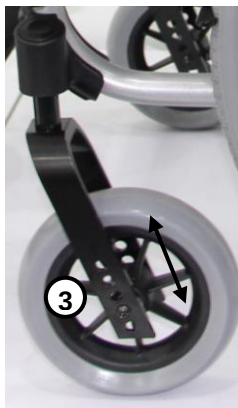


When the position or the size of the rear or front wheels is modified, it may be necessary to adjust the angle of the caster to avoid "wheel flutter" and provide a smooth, straight ride.

The head of the front fork assembly **(1)** should always be positioned at a 90° angle to the floor. After changing the wheel set-up, adjustment of that angle is necessary.

To adjust angle of the front fork:

- Loosen the 2 bolts **(2)**. Adjust the front fork assembly until the vertical axle of the bearing house **(1)** is at a 90° angle with the floor
- Re-tighten the bolts.



To modify the seat height, you can assemble the front wheels in various positions **(3)**. (In this picture a front fork with 5 different positions is used.) The various holes also allow assembling front wheels with different diameters.

WARNING! All above adjustments can only be done by qualified service or advised by a physical therapist. For detailed instructions check out the Service Manual.

9.1.4. ICON 40

The **ICON 40** has the most flexible design of the wheelchairs from the **ICON** Mobility System. It has a seat depth adjustable frame with multiple wheel, axle, cross bar and front caster set up options. This ranges from active self-propelling drivers to rehabilitation purposes, where a high degree of control, support and stability is required.

Frame settings

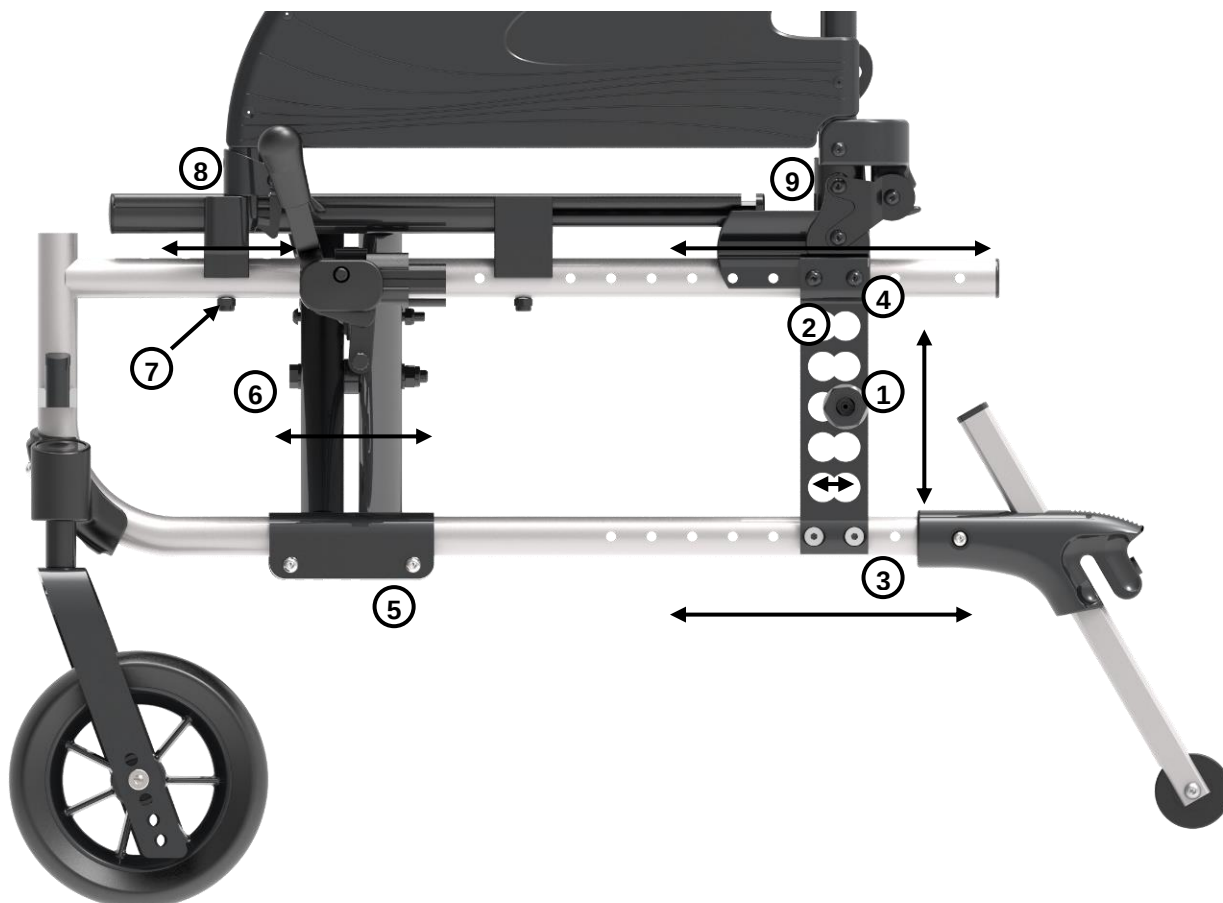
The frame design allows a wide adjustment range of seat angle, height and depth, as well as different degrees of stability by adjusting the wheelchair's Center of Gravity (CoG) relative to the rear wheel axle position.

- Moving the axle position closer to the CoG makes the chair easier to tip and more "responsive" for the active wheelchair drivers.
- Moving the axle position further away from the CoG makes the chairs less likely to tip and suitable for users who need more stability and safety.

To accommodate taller and shorter users the seat depth can be changed by adjusting the seat tubes and the upholstery.

The frame design allows for a wide adjustment of the seat angle, the seat height and the seat depth. You can change:

- the angle and/or the height of the seat by changing to another diameter front caster and/or rear wheel.
- the angle of the seat by changing the position of the rear wheels.
- The angle of the front fork axle to adjust it perpendicular to the floor.
- The seat depth by horizontal adjustment of the rear wheel axle position; this allows influencing the stability and maneuverability of the chair.



WARNING! All below adjustments should only be made by qualified service person and/or advised by a physical therapist qualified in wheelchair setup.

Adjustment of rear wheel height

- Detach the rear wheel using the quick release button.
- Unscrew the wheel bushing **(1)** from the black assembly plate and insert it into one of the other holes **(2)**.
- Tighten the bushing on the plate maintaining the correct order of washers and nuts
- Repeat all above for the other wheel.

Horizontal adjustment of the rear wheels

For users who need increased stability, e.g. after lower extremity amputation, the axle plate is moved rearwards relative to the seat frame. It is recommended to use anti-tip supports to protect the wheelchair against tipping over. Note also that a longer wheelbase makes maneuvering with the chair more difficult.

To increase the maneuverability and responsiveness, the axle plates can be moved to the front position. It is easier to maneuver with a wheelchair when the rear wheels are in a front position, but the rearwards stability is much lower. If the wheels are adjusted to the front position, the wheelchair should always be equipped with activated anti-tip supports to protect it against tipping over. Persons with amputated leg(s) should never use the chair with wheels set in a front position. The risk of tipping over is too high.

The position of the wheel assembly plate can be changed to six other positions relative to the back cane assembly **(9)**

- Unscrew bolts **(3)** & **(4)** which hold the wheel assembly plate to the frame tubes.
- Move the wheel assembly plate to the required position (forward or rearward), then reinsert and retie the bolts.
- Repeat all above for the other side of the frame.

WARNING! If the position of the rear wheels is **changed, it is necessary to adjust the brakes position accordingly.**

WARNING! Settings on both sides of the frame should be identical.

The seat depth is determined as the distance from the lumbar spine to the knee crease, less an adequate amount of space to give clearance for clothing and free space so as not to impede blood circulation at the back of the knee.

Adjustment of seat depth

This is done by moving the rear back cane assembly **(9)** over the top rail of the side frame.

PLEASE NOTE: the rear axle assembly **(4)** needs to be repositioned to ensure functional stability for the user.

If the crossbar **(5)** is to be moved back after moving of the back cane assembly **(9)**, please ensure the front of the seat tubes are supported on the side frame by moving the front seat tube support **(8)** rearward on the side frame ends. To make the adjustments:

- Loosen bolts **(5)** & **(6)** which attach the cross to the frame.
- Slide the crossbar with seat tubes to the required position.
- Reinsert and tighten all bolts to secure the cross and armrest bracket in the new position.
- Repeat all above for the other side of the frame.

Along with the crossbar, the seat tubes have been moved during that adjustment. Ensure that the seat tube supports are in proper position supporting the tube ends so that all the 4 corners of the seat are stable:

- Untie the bolt **(7)**.
- Move the support **(8)** into the position it provides a stable support for the front end of the seat. Then tighten the bolt **(7)**.

then:

- Untie the 3 bolts which attach the seat and backrest support **(9)** to the frame.
- Move the support **(9)** into the position it provides support for the rear end of the seat. Then tighten the 3 bolts.
- Repeat all above for the other side of the frame.

Adjustments of front caster assembly

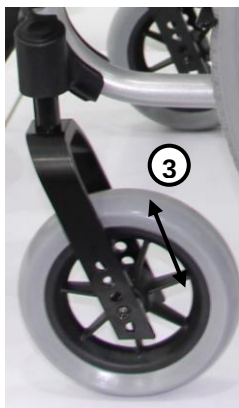


When the position or the size of the rear or front wheels is modified, it may be necessary to adjust the angle of the caster to avoid “wheel flutter” and provide a smooth, straight ride.

The bearing house with axle **(1)** should always be positioned at a 90° angle to the floor. After changing the wheel set-up, adjustment of that angle is necessary.

To adjust angle of the front fork:

- Loosen the 2 bolts **(2)**. Slide the front fork assembly up or down until the vertical axle of the bearing house **(1)** is at a 90° angle with the floor
- Re-tighten the bolts.



To modify the seat height you can assemble the front wheels in various positions **(3)**. (In this picture a front fork with 5 different positions is used.) The various holes also allow assembling front wheels with different diameters.

WARNING! All above adjustments can only be done by qualified service or advised by a physical therapist.

For detailed instructions check out the Service Manual.

WARNING! Settings on both sides of the frame should be identical!

WARNING! Every modification of the seat position has a direct influence on the balance and maneuverability of the wheelchair. Apart from the seat position adjustment it might be necessary to re-adjust the wheel position to keep it safe and maneuverable.

9.2. General

9.2.1. Wheels

Rear wheels

Depending on the order specification your wheelchair may be equipped with rear wheels that have 12", 16" or 24" diameter. The wheels may have pneumatic tyres or puncture proof PU tyres. Other sizes and types of wheels are available on request.

24" wheels are as a standard equipped with push rims, dedicated to self-propel the wheelchair. Wheelchairs equipped with smaller wheels (12" or 16") can only be propelled by an attendant.

Quick-release axle

Depending on order specification rear wheels may be equipped with quick-release axles that allow fast assembly or disassembly of the rear wheels.



To detach the wheel from the frame:

- Press and hold the release button **(1)** and pull the wheel out of the bushing.

To re-attach the wheel:

- Place the axle's tip in the bushing **(2)**, press and hold the release button **(1)**, push the axle all the way into the bushing and release the button.
- Try to pull the wheel out of the bushing to check if it is safely locked in position.

WARNING! Mind your fingers when attaching or detaching the wheels. Don't stick your fingers between spokes or between tyres and push rims.

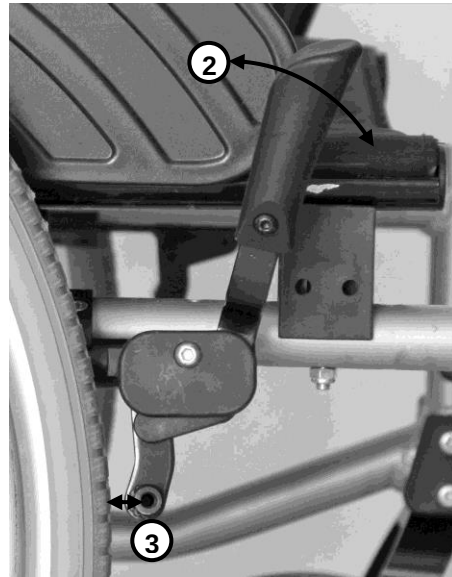
WARNING! Mind your fingers when propelling the wheelchair. Don't stick your fingers between spokes or between tyres and push rims. To secure your fingers you can use spoke protectors, available as accessory.

9.2.2. Brakes

Parking Brakes



Brake engaged (wheelchair doesn't roll)



Brake disengaged (wheelchair rolls)

- To engage the brake push the brake lever forward **(1)**. Now the wheels are locked.
- To disengage the brake pull the brake lever backwards **(2)**. Now the wheels are able to roll.
- Always engage the brakes if the wheelchair remains in stationary position.
- Always disengage the brakes before riding the wheelchair.

WARNING! Always engage both brakes when getting in or out of the wheelchair

WARNING! Parking brakes are not designed to slow down the moving wheelchair. They are only dedicated for parking function.

WARNING! Never lean on a brake. They are only designed for parking function.

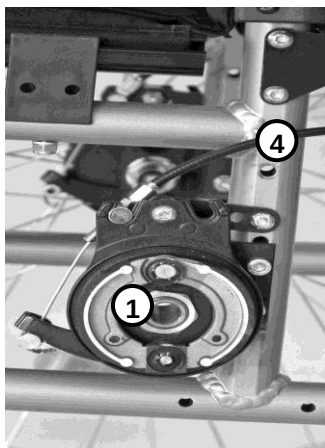
Brake position adjustment



If your wheelchair is equipped with 12" or 14" rear wheels, then the brake assembly is located lower and the brake lever is longer.

Functioning and operations of the brake remains the same as described above.

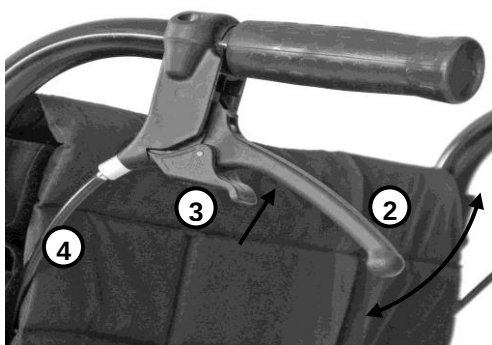
Drum brakes (optional)



Drum brakes are optional equipment and they can be assembled on a wheelchair only by manufacturer or authorized service. They are designed to help an assistant to manoeuvre the wheelchair during riding. They can also be used as parking brakes.

The set consists of 2 rear wheels equipped with integrated drum brakes (1), 2 brake levers (2), 2 small locking levers to facilitate the parking function (3) and 2 cables that connect the brakes with the levers (4).

Drum brake



Brake disengaged



Brake engaged & locked

- To slow down the rolling wheelchair simultaneously pull up both brake levers (2) and control the braking force.
- To stop the wheelchair completely, pull the braking levers all the way up to the stop.
- To disengage the brakes, simply release both braking levers, so they can drop down freely.
- You can also use drum brakes to manoeuvre with the wheelchair by gradual braking of the wheel in the direction of which you'd like to turn.

To use the drum brakes as parking brakes you must lock them in engaged position

- After activating the brakes with brake levers (2) press up the 2 small locking levers (3) located under the brake levers.
- To unlock the locked brakes simply pull up both brake levers towards the push handles and then release them. The brakes will unlock themselves.

WARNING!

Drum brakes can only be operated by attendants standing behind the wheelchair. Drum brakes are not designed to be operated by persons sitting on the wheelchair.

WARNING!

Never leave the wheelchair unattended with disengaged parking brakes.

WARNING!

Always engage brakes if the wheelchair is not in use.

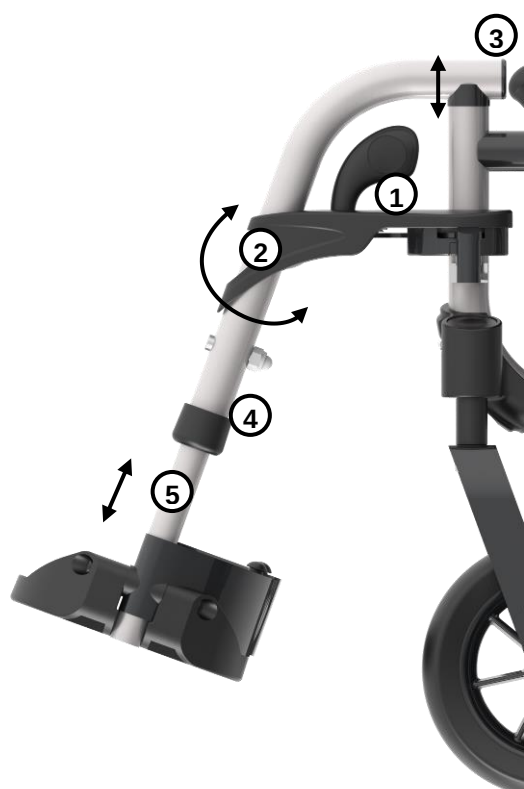
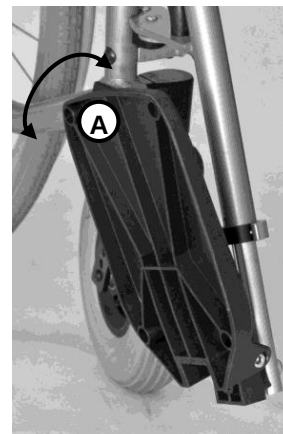
9.2.3. Legrests – Standard, Elevating* and Amputee Supports* (*optional)

Standard Legrests

Steel with bolt fixation for length adjustment

- The legrests can easily be rotated outwards and detached. They may also be rotated inwards under the seat to allow free leg room around the chair.
- The legrests are height adjustable. If the wheelchair is used outdoors the minimum distance between footplates and ground should be around 4-5 cm.
- To facilitate an easy transfer into or from wheelchair, the footplates can be easily flipped up (A)

WARNING! It is forbidden to stand on the legrests. It may cause the wheelchair to tip over.



To swing away or detach the legrest:

- Press the locking lever (1).
- Swing the legrest (2) outside to approx 45°.
- Then pull it up to detach from wheelchair's frame (3).

To attach the legrest:

- Hold it to one side, approx. 45° to a frame.
- Insert the legrest's tip into the hole on the frame (3).
- When the legrest hangs on the frame swing it to the front (2). The legrest should lock itself automatically.
- Ensure that right and left legrests are assembled to the correct side of the frame.

To adjust the length of the legrest:

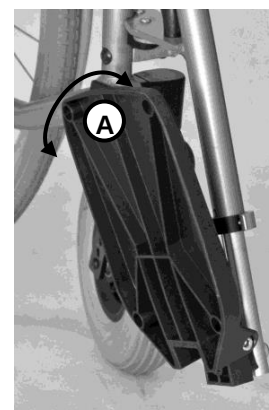
- Unscrew the bolt and take it from the tube (4).
- Set the legrest length by sliding the lower tube (5) up or down and pair the holes on the internal and external tubes.
- Insert the bolt again and tighten it.

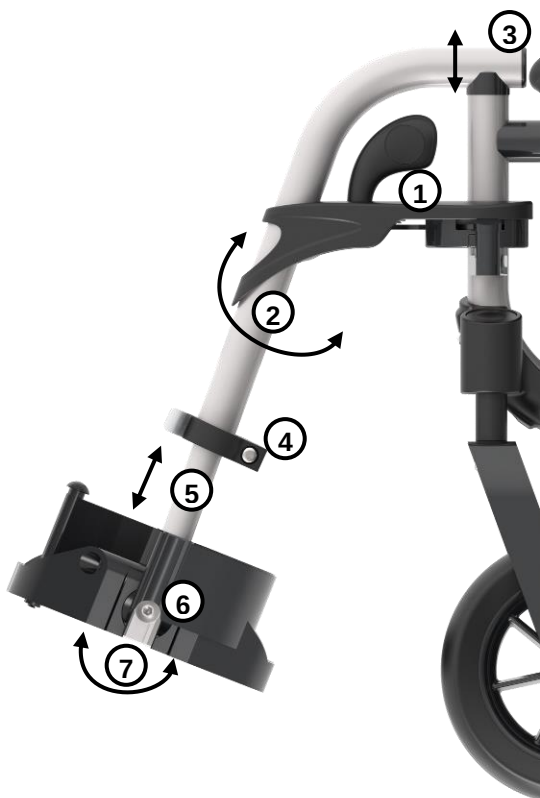
Standard legrests

Aluminium with clamp fixation for length adjustment and angle adjustable footplate.

- The legrests can easily be rotated outwards and detached. They may also be rotated inwards under the seat to allow free leg room around the chair.
- The legrests are height adjustable. If the wheelchair is used outdoors, minimum distance between footplates and ground should be 4-5 cm
- To facilitate an easy transfer into or from wheelchair, the footplates can be easily flipped up (A)

WARNING! It is forbidden to stand on the legrests. It may cause the wheelchair to tip over.





To swing away or detach the legrest:

- Press the locking lever **(1)**.
- Swing the legrest **(2)** outside to approx. 45°.
- Then pull it up to detach from wheelchair's frame **(3)**.

To attach the legrest:

- Hold it to one side, approx. 45° to a frame.
- Insert the legrest's tip into the hole on the frame **(3)**.
- When the legrest hangs on the frame swing it to the front **(2)**. The legrest should lock itself automatically.
- Ensure that right and left legrests are assembled to the correct side of the frame.

To adjust length of the legrest:

- Unlock the locking lever **(4)**.
- Set the legrest length by sliding the lower tube **(5)** up or down.
- Lock the locking lever again.

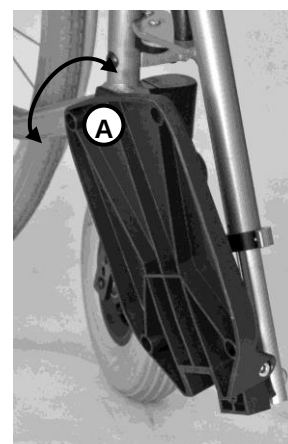
To adjust the footplate angle:

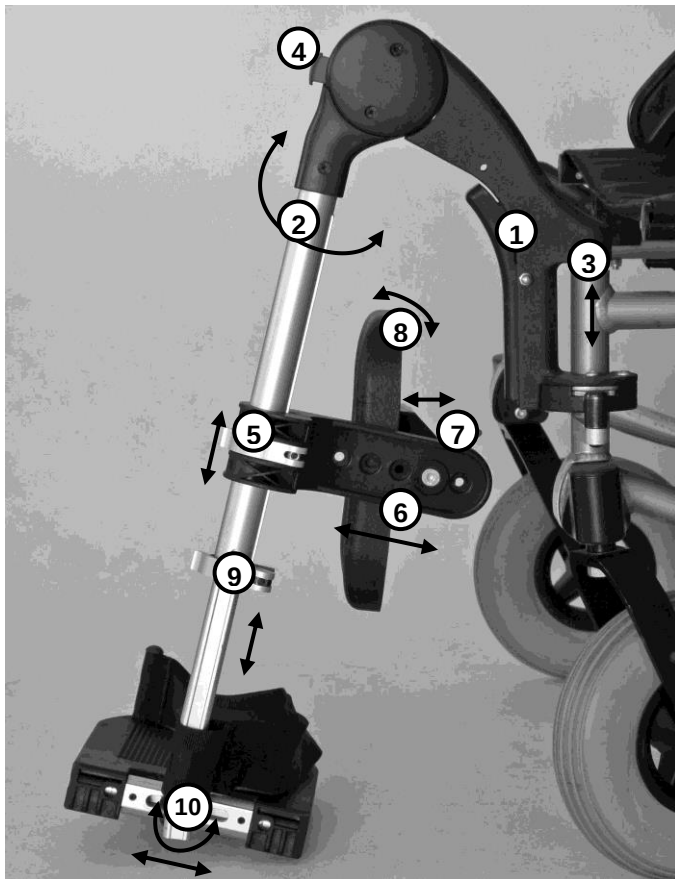
- Loosen the bolt **(6)**.
- Adjust the footplate angle **(7)**.
- Tighten the bolt.

Elevating Legrests (aluminium)

- These legrests have very wide range of adjustments. They can easily be swung sideways and detached.
- The legrests are height adjustable. If the wheelchair is used outdoors, minimum distance between footplates and ground should be 4-5 cm
- To facilitate an easy transfer into or from wheelchair, the footplates can be easily flipped up **(A)**

WARNING! It is forbidden to stand on the legrests. It may cause the wheelchair to tip over.





To swing away or detach the legrest:

- Press the locking lever **(1)**.
- Swing the legrest outward **(2)** to approx. 45°.
- Then pull up to detach it from wheelchair's frame **(3)**.

To attach the legrest:

- Hold it set to the outside, approx. 45° to the frame.
- Insert the legrest's tip into the hole of the frame **(3)**.
- When the legrest hangs on the frame swing it to the front **(2)**. The legrest should lock itself automatically.
- Ensure that right and left legrests are assembled to the correct side of the frame.

To adjust the legrest angle:

- Press the red button **(4)**.
- While holding it pressed, lift or lower the legrest with your other hand to find the right angle.
- Release the button.

To adjust the height of the calf support:

- Release the locking lever **(5)**.
- Adjust the height of the support.
- Lock the locking lever.

To adjust the depth of the calf support:

- Loosen and take away the bolt **(6)**.
- Put the calf support into 1 of the 5 setting holes.
- Put back in and tighten the bolt.

To facilitate an easy transfer into or from the wheelchair:

- Swing the calf support rearwards by pressing the red lever **(7)**.
- To move the calf support back into position simply push it forward until it locks itself automatically.

To adjust the angle of the calf support:

- Simply twist it forward or backward **(8)**.

To adjust the length of the legrest:

- Unlock the locking lever **(9)**.
- Set the legrest length by sliding the lower tube up or down.
- Lock the locking lever.

WARNING! If the wheelchair is used outdoors, minimum distance between footplates and ground should be 4-5 cm.

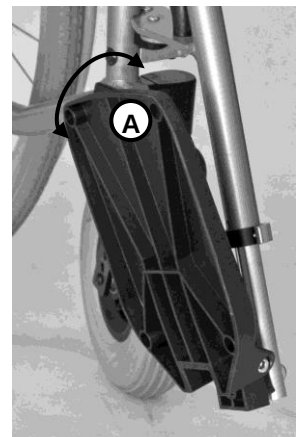
To adjust the footplate angle or depth:

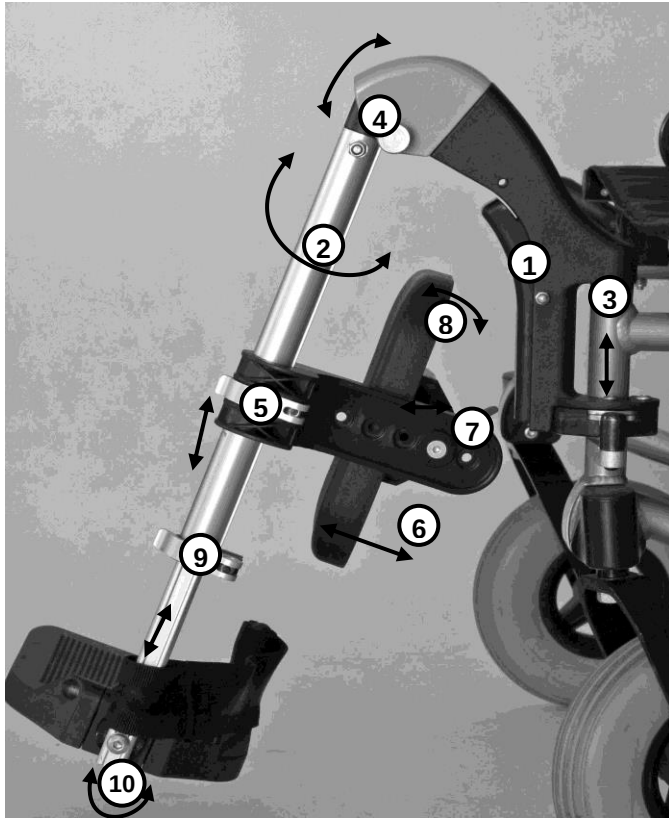
- Loosen the bolt **(10)**.
- Adjust the footplate position
- Tighten the bolt

Elevating Legrests (steel)

- These legrests have very wide range of adjustments. They can easily be swung sideways and detached.
- The legrests are height adjustable. If the wheelchair is used outdoors, minimum distance between footplates and ground should be 4-5 cm
- To facilitate an easy transfer into or from wheelchair, the footplates can be easily flipped up **(A)**

WARNING! It is forbidden to stand on the legrests. It may cause the wheelchair to tip over.





To swing away or detach the legrest:

- Press the locking lever (1).
- Swing the legrest outward (2) to approx. 45°.
- Then pull up to detach it from wheelchair's frame (3).

To attach the legrest:

- Hold it set to the outside, approx. 45° to the frame.
- Insert the legrest's tip into the hole of the frame (3).
- When the legrest hangs on the frame swing it to the front (2). The legrest should lock itself automatically.
- Ensure that right and left legrests are assembled to the correct side of the frame.

To adjust the legrest angle:

- Pull back the metal lock (4).
- While holding it out, lift or lower the legrest with your other hand to find the right angle.
- Release the lock.

To adjust the height of the calf support:

- Release the locking lever (5).
- Adjust the height of the support.
- Lock the locking lever.

To adjust the depth of the calf support:

- Loosen and take away the bolt (6).
- Put the calf support into 1 of the 5 setting holes.
- Put back in and tighten the bolt.

To facilitate an easy transfer into or from the wheelchair:

- Swing the calf support rearwards by pressing the red lever (7).
- To move the calf support back into position simply push it forward until it locks itself automatically.

To adjust the angle of the calf support:

- Simply twist it forward or backward (8).

To adjust the length of the legrest:

- Unlock the locking lever (9).
- Set the legrest length by sliding the lower tube up or down.
- Lock the locking lever.

WARNING! If the wheelchair is used outdoors, minimum distance between footplates and ground should be around 4-5 cm.

To adjust the footplate angle:

- Loosen the bolt (10).
- Adjust the footplate angle.
- Tighten the bolt

Amputee support

- This support is designed for users who need support after lower extremity amputation.
- This support can be easily swung to the sides or detached.
- The support is depth, height and angle adjustable.

WARNING! It is forbidden to stand or sit on the amputee support. It may cause the wheelchair to tip over.



To adjust the depth of the support:

- Loosen the 2 screws **(1)** fixing the support from the bottom to the bracket.
- Adjust the depth.
- Tighten the screws.

To attach/detach the support:

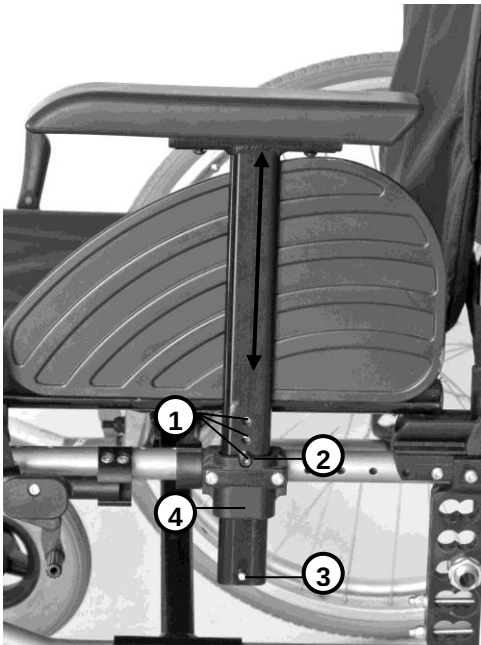
- Just put it on or take it away from the frame **(2)**.

To adjust the height and/or angle of the support:

- Loosen the fixing knob **(3)**.
- Adjust the position.
- Tighten the knob.

9.2.4. Armrests

Armrests (drop-in)



The armrests are height adjustable and detachable for an easier transfer in and out of the wheelchair.

To change the armrest's height:

- Select one of the holes **(1)** located on the armrest support put the bolt in **(2)** and tighten it.

To take the armrest off the chair:

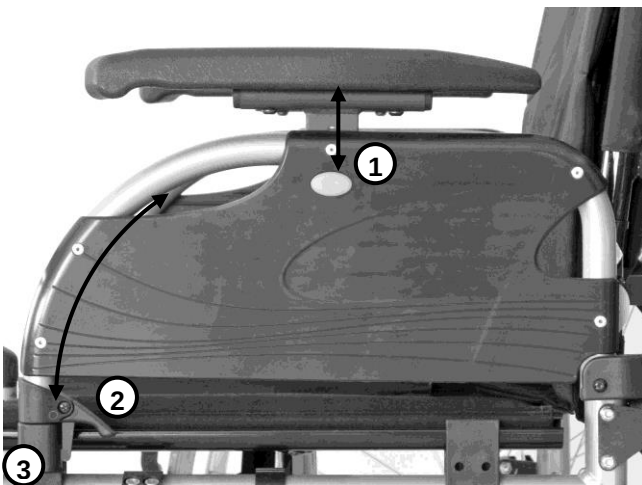
- Pull it up. The locking button **(3)** secures the armrest against incidental disassembly. Press that button for the armrest tube to slide out of the bracket **(4)**.

To attach the armrest on the frame:

- Insert the tip of the armrest support into the bracket, press the locking button **(3)** and push the tube in.
- The armrest will stop at the bolt position set to adjust the armrest height.

WARNING! Never use the armrests as grabbing points to lift and to carry the wheelchair.

Armrests (swing back)



The armrests are height adjustable. They can also be flipped up and swung back to make an easier transfer in and out of the wheelchair.

To change the armrest's height:

- Press and hold the oval button **(1)** located on the side panel.
- Use your other hand to set the required height of the armrest pad. Then release the button.

To flip the armrest up to swing it back:

- Pull the locking lever **(2)** and lift the armrest.

To close the armrest:

- Simply lower it down, until the front tip slides back into the bracket **(3)**. It will lock itself automatically.

WARNING! Never use the armrests as grabbing points to lift and to carry the wheelchair.

10. Accessories

10.1. Headrest

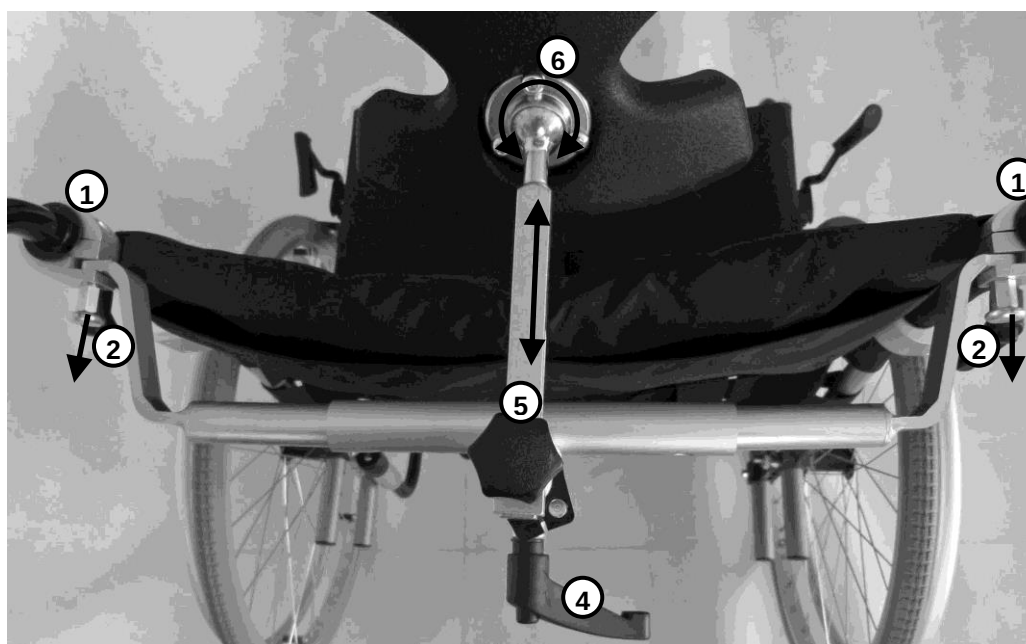


The headrest is designed to provide additional stabilization of the neck and the head.

The headrest assembly consists of 2 special brackets (1) attached to the backrest tubes and a width adjustable bar (3).

WARNING! This equipment can be assembled on a wheelchair and adjusted only by qualified service or physical therapist.

The bar is attached to the brackets (1) with 2 locking pins (2).



To remove the headrest assembly (e.g. to fold the wheelchair): pull back the locking pin (2) and lift the bar. Repeat this on the other side of the wheelchair.

To attach the headrest, proceed in reverse order.

It is possible to adjust height and depth and to rotate the headrest to maximum comfort for the user.

To adjust the height of the headrest:

- Loosen the lever (4) and set the vertical headrest support to the required height, then tighten the lever.

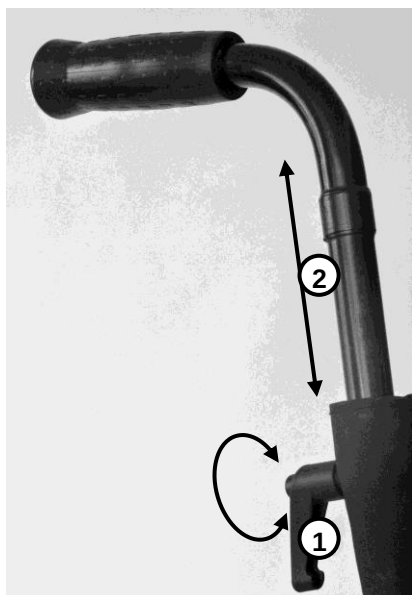
To adjust the depth of the headrest:

- Loosen the knob (5) and set the horizontal headrest support to required depth, then tighten the knob.

To adjust the headrest's rotation, turn it around the joint (6), until the right position is reached.

WARNING! Always make this adjustment when the user is sitting in the wheelchair.

10.2. Height Adjustable Push Handles



You can adjust the height of the push handles to the height of the attendant.

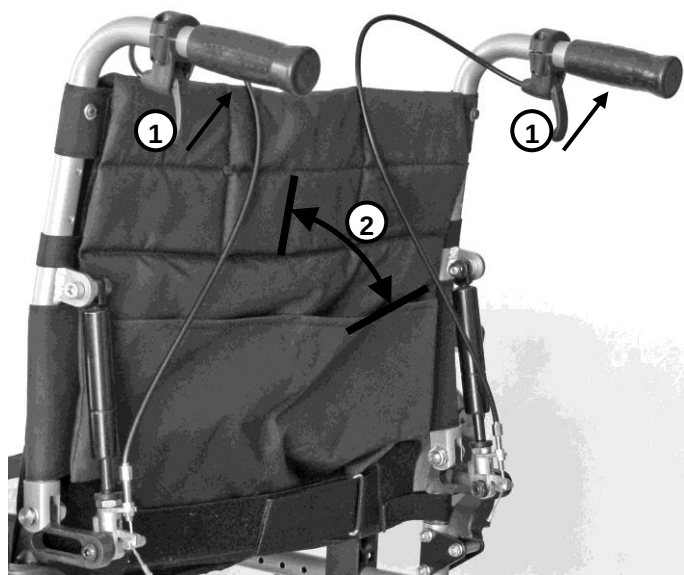
WARNING! Both push handles should be set to the same height.

To change the height of the push handles:

- Loosen the locking lever **(1)**.
- Adjust the handle to desired height **(2)**.
- Tighten the locking lever **(1)**.
- Repeat above steps for the second push handle.

10.3. Reclining Back Canes

Reclining backrest (gas springs)



Attendants can adjust the angle of the backrest to maximum comfort for the user.

To change the angle of the backrest:

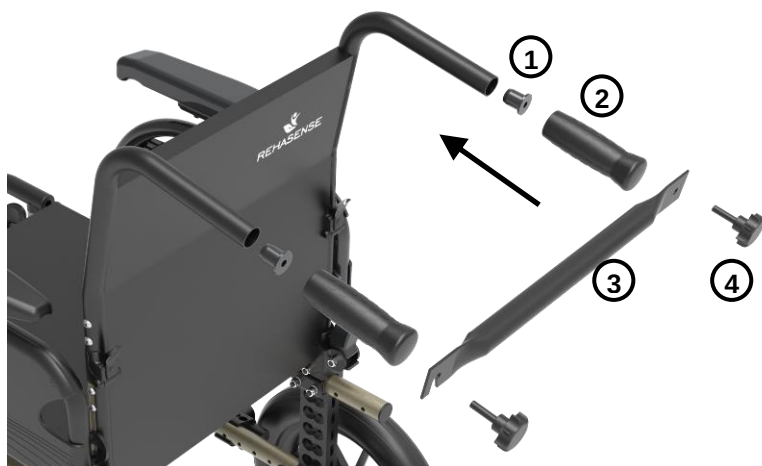
- While holding the push handles pull up the 2 adjustment levers **(1)** with your fingers
- Hold the levers in that position and adjust the backrest up or down **(2)** to the desired position.
- Release both levers **(1)**.

WARNING! Always engage and release both adjustment levers at the same time and adjust both backrest tubes to the same angle.

WARNING! Always make this adjustment with the user sitting in the wheelchair.

WARNING! Always engage the parking brakes before making above adjustment.

10.4 Stability Bar



The stability bar was designed to deliver additional rigidity of the backrest tubes.

The stability bar is assembled on a wheelchair with 2 bolts.

WARNING! This equipment can be assembled on a wheelchair and adjusted only by qualified service or physical therapist.

The stability bar must be disconnected in order to fold the wheelchair. After unfolding of the wheelchair, it needs to be reconnected.

To assemble the stability bar:

- Insert the bushing **(1)** inside the back-cane tube.
- Assemble the hand grip **(2)** and tube **(3)**.
- Tighten the bolt **(4)** to secure the connection.

Note:

There will be some resistance when making the connection – this is normal and is required to spread the back canes.



To disconnect the stability bar:

- Follow the above instruction in reverse order.

10.5 Adjustable tension backrest upholstery

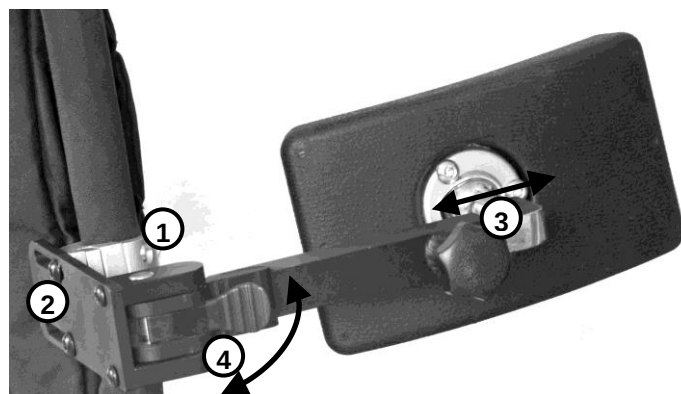


You can adjust the backrest tension, to fit the individual user's needs and preferences.

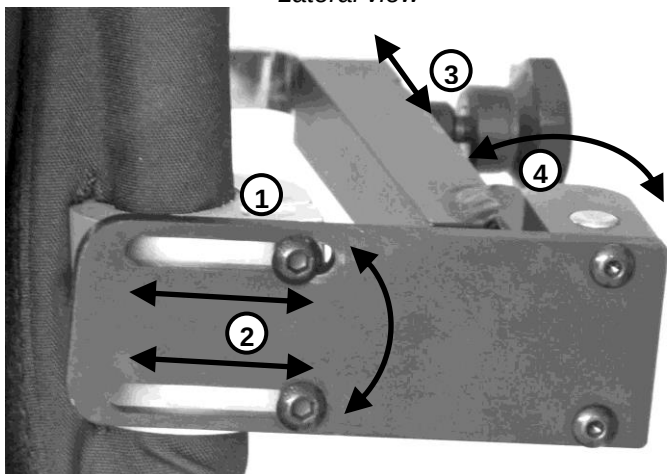
To adjust the backrest:

- Lift the rear part of the external upholstery (1).
- Adjust the tension of the 6 Velcro belts (2) until optimal comfort is achieved.
- Lower the external upholstery (1) to cover the Velcro belts again.

10.6 Lateral Trunk Support



Lateral view



Rear view

Lateral support offers additional stabilization of the user's trunk.

The supports are attached to the backrest tubes with a special bracket (1).

WARNING! This equipment can be assembled on a wheelchair and adjusted only by qualified service or a physical therapist.

The side support is assembled on a bracket (1) with 2 bolts (2). It is possible to adjust the depth, the angle and the width of the support, to maximum comfort for the user.

To change angle and/or width of the support:

- Loosen the bolts (2), adjust the support to the required position and tighten the bolts.

To adjust the depth of the support:

- Loosen the knob (3), adjust the support to required position and tighten the knob.

The support can be swung to the side to facilitate an easy transfer of the user. To swing the support away:

- Press the red locking lever (4) and swing the support to the side.
- After swinging it back the support will lock itself automatically in the same position.

WARNING! Always make this adjustment with the user sitting in the wheelchair.

10.7 Anti-tippers

Anti-tipping device (swing away) – left side mounted (viewed from rear)

This additional equipment improves the wheelchair's rear stability thus the user's safety. It is specially recommended for users after lower extremity amputation, but we strongly suggest using it for all users.

WARNING! Assembly of an anti-tipping device should be conducted by specialized service or an experienced therapist only.



The anti-tipping device is active when the small wheel is directed rearwards. If rotated under the wheelchair's frame, it is inactive.

To activate or deactivate the anti-tipping device grasp the horizontal tube and pull it down.



Then twist it around its own vertical axle to the inside of the frame.

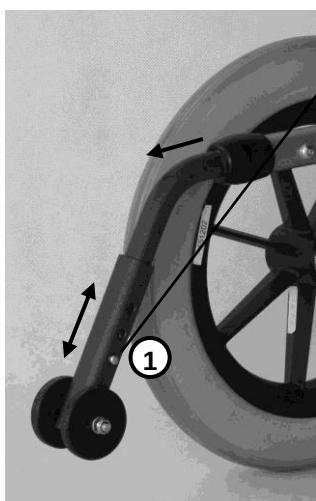


Release the tube which will automatically lock itself in position.

Anti-tipping device (swing up) – left side mounted (viewed from rear)

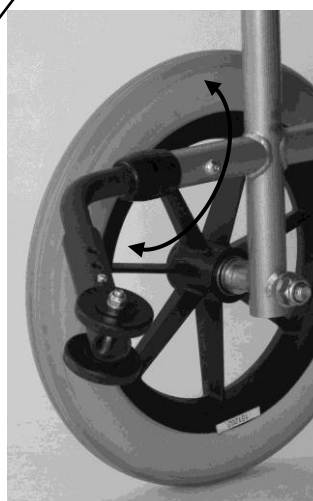
This additional equipment improves the wheelchair's rear stability thus the user's safety. It is specially recommended for users after lower extremity amputation, but we strongly suggest using it for all users.

WARNING! Assembly of an anti-tipping device should be conducted by specialized service or an experienced therapist only.

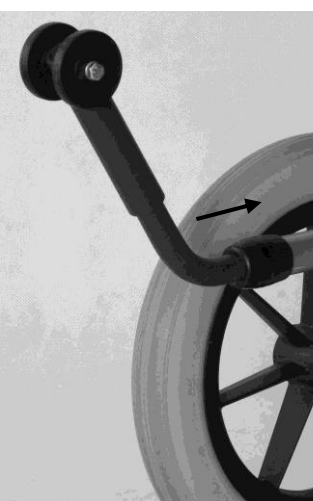


The anti-tipping device is active when the small wheel is pointing downwards. If it is pointing upwards, it is inactive.

To activate or deactivate the anti-tipping device grasp it at the horizontal tube and pull it backwards.



Then twist it in the required direction rotating the horizontal axle.



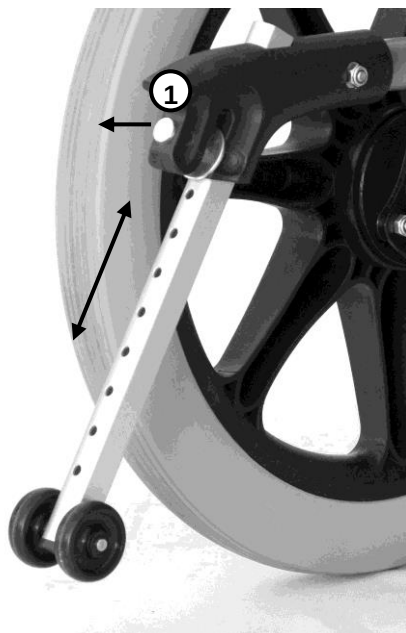
Release the tube which will automatically lock itself in position.

Distance between wheel and ground can be adjusted by pressing the locking button (1) and sliding the wheel up or down.

Anti-tipping device (slide up) – left side mounted (viewed from rear)

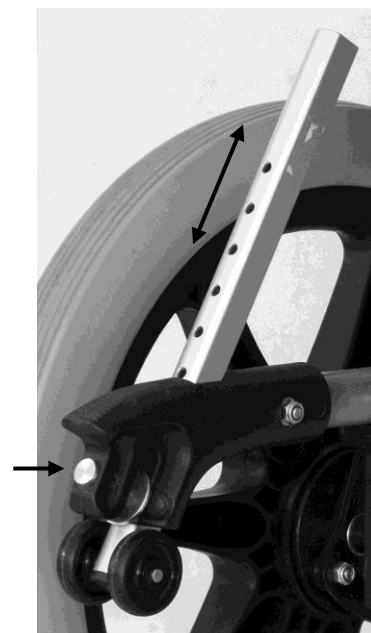
This additional equipment improves the wheelchair's rear stability thus the user's safety. It is specially recommended for users after lower extremity amputation, but we strongly suggest using it for all users.

WARNING! Assembly of an anti-tipping device should be conducted by specialized service or an experienced therapist only.



The anti-tipping device is active when the small wheels are located low, above the ground. If elevated high above the floor, it is inactive.

To activate or deactivate the anti-tipping device pull out the locking pin **(1)** and hold it.



Use your other hand to slide the anti-tip in the required direction (up/down). Then release the locking pin to lock the anti-tip in the selected position.

In case of any technical questions contact your local distributor or directly with Rehasense.

Distributor:

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Manufacturer

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