

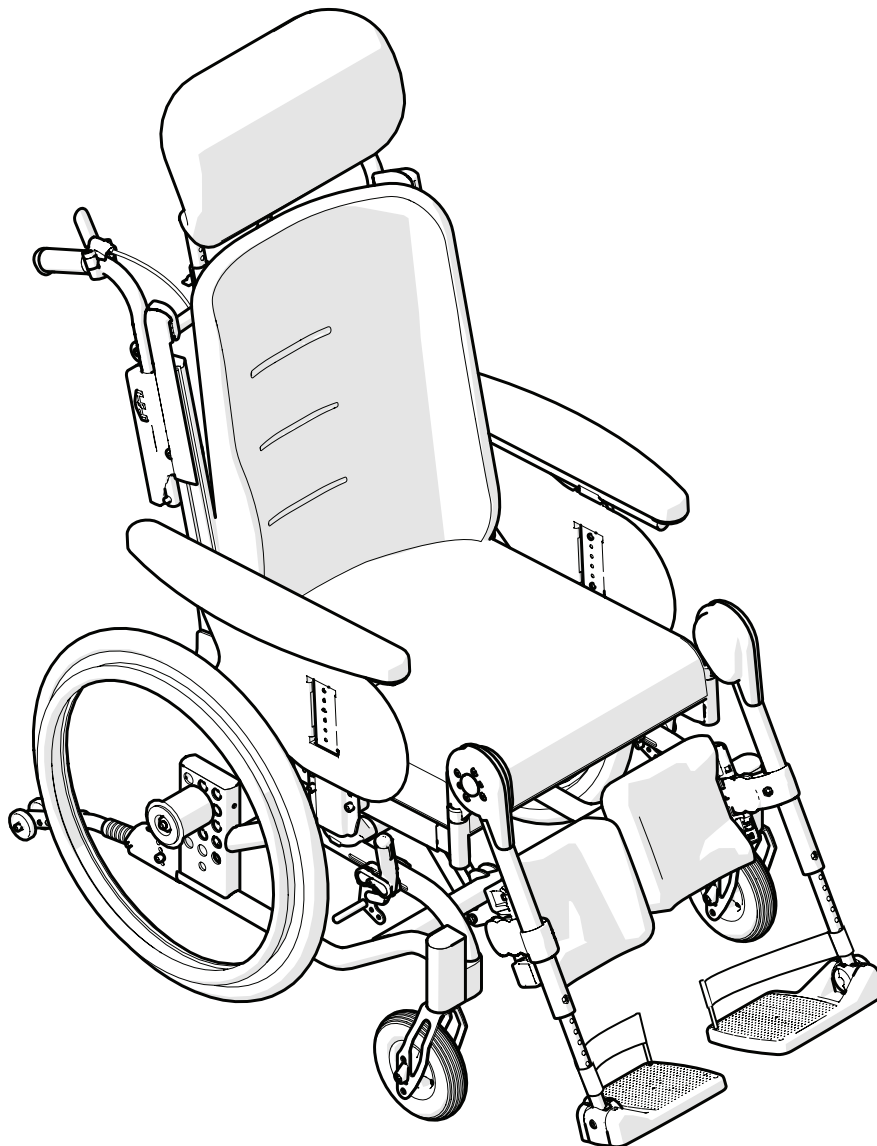
Etac Prio

Manual



75341F 2018-10-18

Applies to Etac Prio with serial no
beginning with 38C



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1. General

Thank you for choosing a wheelchair from Etac. The manual must be read thoroughly to avoid damage when handling and using the product.

In this manual, the **User** is the person sitting in the chair.

The **Carer** is the person helping the user.

Information on how people with impaired vision can access the manual can be found in our presales guide at www.etac.com.



This symbol appears in the manual together with text. It highlights actions where the wheelchair's, the user's or the care giver's safety can be put at risk.

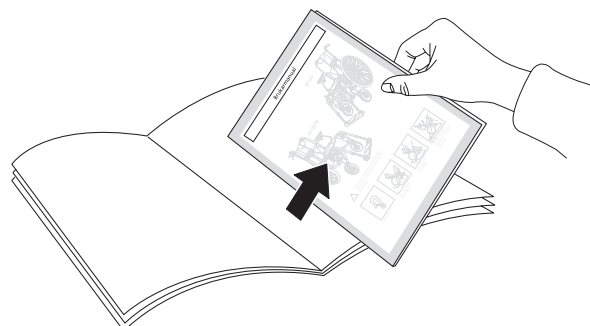


This symbol appears in the manual together with text. Here you can find advice and tips worth considering.

Etac continuously makes improvements to its products. We therefore reserve the right to modify the products without prior notice. The dimensions given on drawings or other material are solely for guidance.

We cannot be held responsible for any printing errors or omissions.

In the middle of this manual, you will find a removable section containing user information.



Tool



Allen key
3, 4, 5, 6 mm



Ring spanner
8, 10, 13,
17, 24 mm



Socket spanner
19 mm

Intended use

Etac Prio is intended for users who require high levels of comfort, support and relief in different seated positions. Prio is often used by users with a need for assistance from carers to move and transfer to and from the wheelchair. Prio can be used both indoors and outdoors.

Prio must be fitted by qualified personnel so that the user has a correctly equipped wheelchair in terms of size, settings and accessories. Prio must be adjusted in the event of changes to the user's needs.

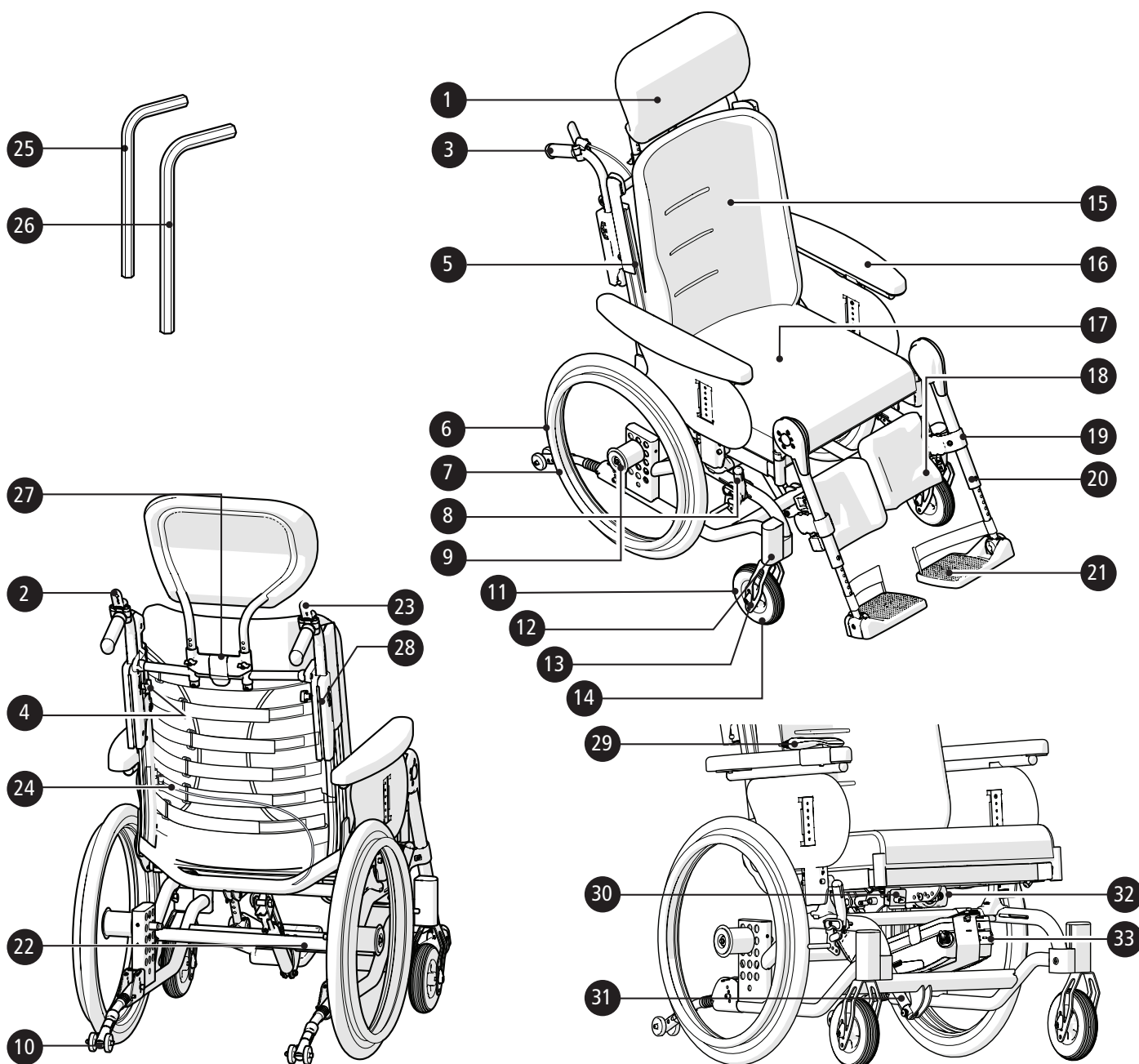
Prio must not be used by people whose body size or weight does not correspond with the size and weight restrictions applicable to the chair.

There are no known contraindications.



Bear in mind the risk of tipping. Always use the anti-tips!

2. Description



1. Head support

2. Controls - back angle

3. Push handles

4. Locking knob, push handle

5. Back support

6. Rear wheel

7. Handrim

8. User brake

9. Quick release hub

10. Anti-tips

11. Chassis

12. Front fork attachment

13. Front fork

14. Castor wheel

15. Back cushion

16. Arm supports

17. Seat cushion

18. Calf pad

19. Leg supports

20. Knob footplate lock

21. Footplate with heel straps

22. Serial number label

23. Tilt controls - tilt

24. Dynamic pelvic support

25. Tool - Allen key 3 mm

26. Tool - Allen key 5 mm

27. Snap lock - head support

28. Trunk support attachment

29. Hand control

30. Charging socket

31. Seat angle actuator

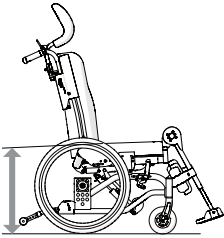
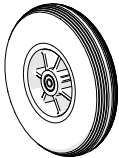
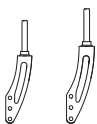


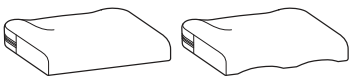
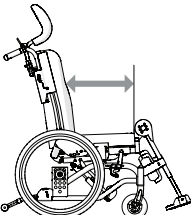
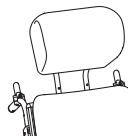
32. Back angle actuator

33. Battery pack and control unit

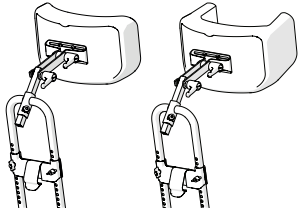

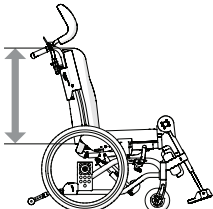
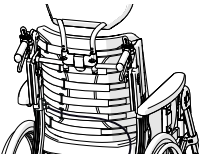
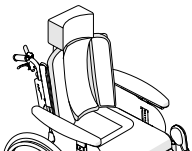
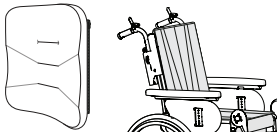
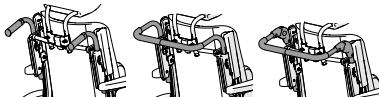
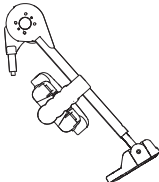
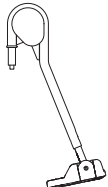
3. Chair options

In the "Chair options" section you can see all configurations available for the wheelchair. For more information about chair options, see www.etac.com

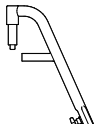
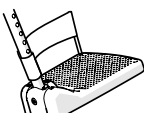
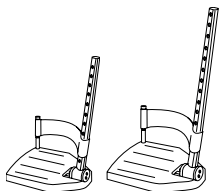
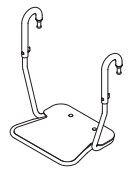
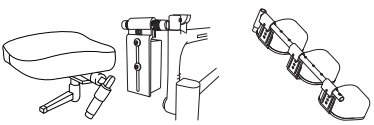
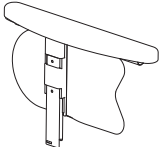
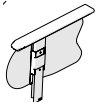
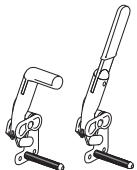

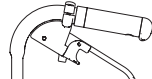
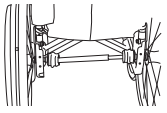
Settable= Adjusted using tools. **Adjustable**= Adjusted without tools.

Seat height		38-52.5 cm With 20", 22" or 24" rear wheels	
		40-45 cm With 16" wheels	
Seat angle		Max. forward angle: 3° Max. backward angle: 20° See also Comfort lock	
Castor wheel		150x35 mm, semi-solid	
		165x30 mm, solid	
		200x35 mm semi-solid	
		200x50 mm, semi-solid	
Front fork		Short (three height settings for castor wheels)	
		Medium (three height settings for castor wheels)	
Rear wheels		16", width: 42 mm, solid tyres (no handrim)	
		20", width: 32 mm, solid tyres	
		22", width: 32 mm, solid tyres	
		24", width: 32 mm, solid tyres	
Handrims		Aluminium	
Camber		0°	
Seat cushion		Basic: lightly contoured, cold foam Plush or hygiene cover	
		Comfort: lightly contoured, cold foam with a soft memory foam insert in the seat area. Plush or hygiene cover	
Back support angle		0° - +30°	
Seat depth		Three alternative positions with separate intervals. Standard setting: Position 2	Position 1: 39-46 cm (short cushion)
			Position 2: 41.5-48.5 cm (short cushion)
			Position 3: 44-51 cm (short or long cushion)
Soft head support		Anatomic cushion, conforms to the neck when resting. Height and depth-adjustable Plush or hygiene cover	

3. Chair options

Head support, angle-adjustable		Curved cushion with soft padding, height, depth, side and angle-adjustable. Plush or hygiene cover	
		Curved cushion with side support and soft padding. Height, depth, side and angle-adjustable. Hygiene cover	
Attachment for angle-adjustable head support		Angled attachment 45°	
Back height		Height-settable: 55-70 cm	
Back support upholstery, Comfort		Adjustable Velcro straps. Dynamic pelvic support, height-settable	
3D back system		Complete back system adapted for kyphotic users. Height-settable: 45-60 cm. Vertical and horizontal shape is created based on the user's back curvature. Recommended in combination with angle-adjustable head support.	
Back support cushion/Back support cover		Plush or hygiene cover	
		Soft cover. Plush.	
Comfort lock		Four optional modes. Provides the carer with clear instructions as to the mode that has been prescribed as the most frequent rest mode. Not in combination with electric recline function	0° seat tilt
			4° seat tilt
			8° seat tilt
			12° seat tilt
Electrical recline function		Electrical recline of seat and back angle Operated by means of hand control. Limitations: Not with comfort lock, dynamic pelvic support, QR-pin for back support, oxygen holder/transport basket, clips angle restriction.	
Push handle/ Bow handle		Height-adjustable in 2 cm intervals.	Push handles
			Bow handle
			Bow handle, angle-adjustable (not available for 55 cm wide chairs)
Leg support Elevating		Six fixed positions. With padded kneepads and folding calf supports, height, angle and depth-settable	
Leg support Fixed angle with knee pad		With padded knee pad	

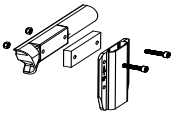


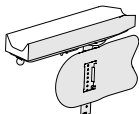
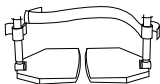




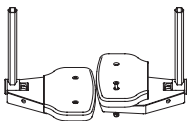
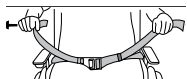
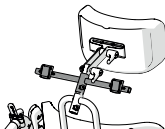
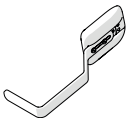
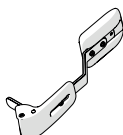
3. Chair options

Leg support Cross model		
Foot supports		15 cm deep Folding, angle and depth-settable Max. length: 51 cm. Min. length: 33 cm. Includes heel straps.
		13 cm deep Folding, angle and depth-settable. Includes heel straps. The footplate can be combined with an extended footplate
		Standard Max. length: 55 cm. Min. length: 38.5 cm.
		Solid foot support including leg supports, folding and height-adjustable (only in combination with 6" and 6.5" castors. When using 6.5" castor in medium front fork, from seat depth front pos 3). Calf straps available as an option.
Leg supports, other		Solid foot support, angle adjustable. In combination with leg supports (fixed angle, angle adjustable or Cross model)
		Amputee leg support, height, depth and angle-adjustable
		Amputee weight, angle-adjustable
Arm supports		Plaster cast leg support, depth and angle-adjustable
		Height-settable 24-33 cm. The depth of the arm support cushion is settable
Brakes		With solid arm support plate, length 38 cm, width 5 cm
		Angled handle
Brake adapter		Extended handle, folding
		For 20" rear wheels in certain positions (see section "Adjustment of the centre of balance")
Attendant brake		For 22" rear wheels in certain positions (see section "Adjustment of the centre of balance")
Single hand drive		Brake handle with 10 cm opening grip
Colour, cover		Telescopic shaft, detachable. Right or left mounting. Limitations: Not in rear wheel position C1 or B1, not in combination with attendant brake or basket. In combination with Lille Viking, only in rear wheel position C2, D2, E2).
		Hygiene cover: Grey, green Plush: Grey




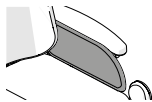


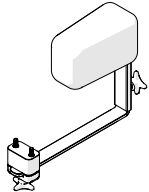
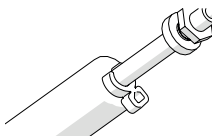


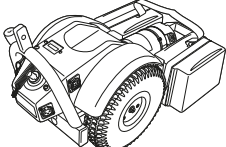
4. Accessories

Assembly instructions are provided with all accessories when they are supplied by Etac.
You can find the instructions as well as more information about the accessories on our website www.etac.com.

Settable= Adjusted using tools. **Adjustable**= Adjusted without tools.

Widening kit	Increases the distance between the arm supports by 2 cm	
Tray	Transparent, installed on the arm support. Not in combination with drip stand	
Arm support padding	For arm support standard or arm support with solid plate	
Hemi-arm support	Including attachment. Curved cushion. Replaces the standard arm supports. Depth, angle and height-adjustable	
Calf strap	Detachable, black nylon, length-adjustable	
Calf strap, padding	For calf strap	
Calf support	Plush. To be mounted/adjusted with velcro	
Foot support, padding	For foot support with depth 13 cm	
	For solid, angle adjustable foot support	
Extended footplate	Fits onto the existing footplate, from seat width 40-55 cm. Extends the depth of the foot support to 21.5 cm	
Positioning belt	Two-piece with snap lock, fixing points on the wheelchair frame	
Chest strap bracket	Only in combination with angle-adjustable head supports	
Trunk support	Height and width-settable	
Trunk support, swing-away	Height, width, depth-settable and swing-away	

4. Accessories

Adapterkit	For trunk support cushion R82	
Spoke guards	With grey or yellow print	
Tool kit		
Side cushion	To be combined with back support cover	
Back support wedges	Provides individual support. Available in multiple sizes.	
Filler cushions	Reduces the width between the arm supports by 25 mm (2 pcs)	
Drip stand	Bracket and stand. Not in combination with tray	
Oxygen holder/ Transport basket	Not in combination with electric recline function or Lille Viking auxiliary engine. Only with seat heights above 43 cm	
Pommel	Depth-settable	
Angle restriction	Reduces the control range of the seat angle by 2° per clip Reduces the control range of the back angle by 2.5° per clip Not in combination with electric recline function	
Lock, seat and back angle controls	Locks the seat and/or back angle	
QR pin for back support	Simplifies folding of the back support (not in combination with seat depth pos. 1, 39-46 cm)	
Cane holder	Two parts, one of which is an elasticated section that is fastened around the cane	
Propulsion motor, Lille Viking	Assistance aid for outdoor use (not under 45 cm seat height)	

5. Installation upon delivery

Back support

The wheelchair is supplied with push handles/bow handle and head supports unassembled.

1-3. Install fixed gas piston/actuator.



Ensure that the locking pin is secured



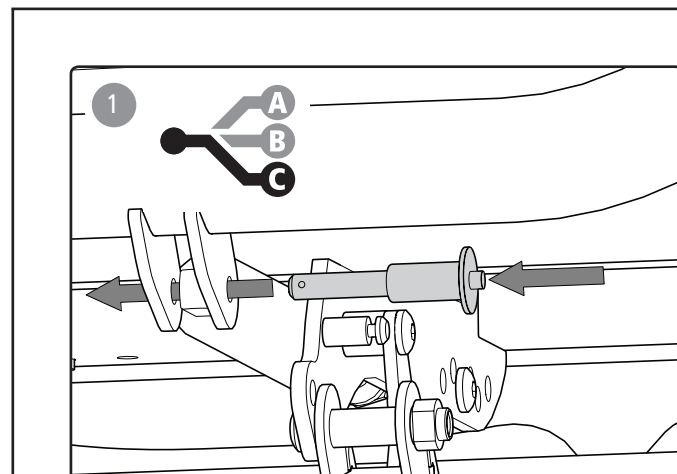
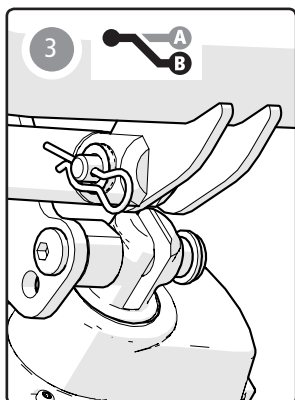
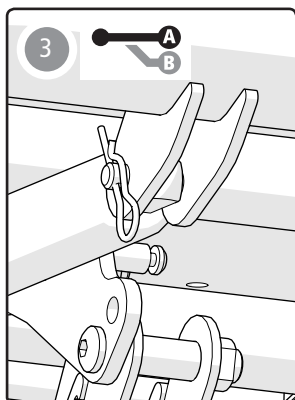
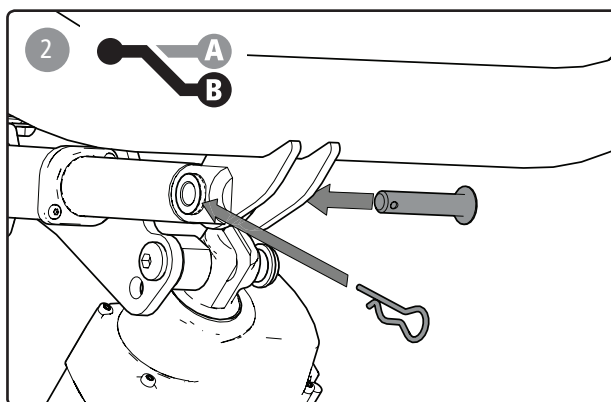
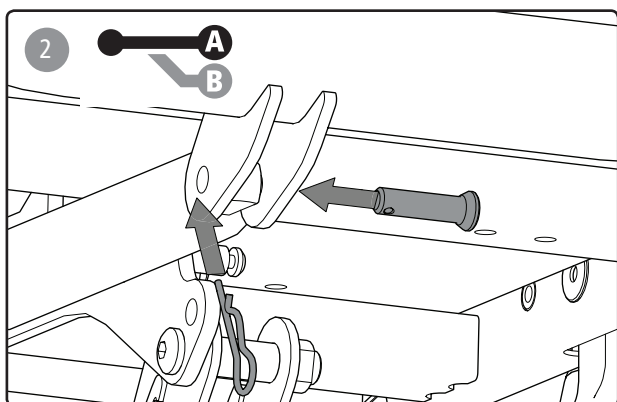
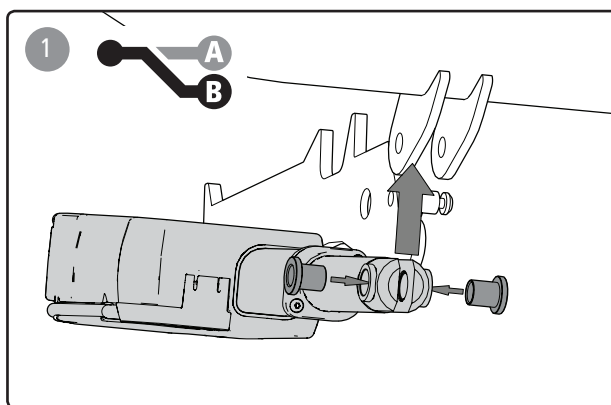
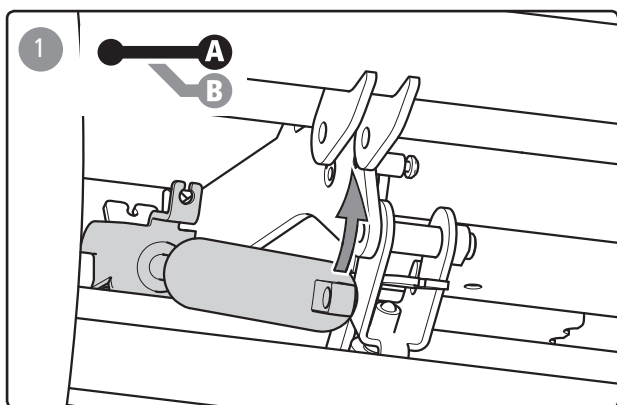
10 mm



5 mm



6 Nm

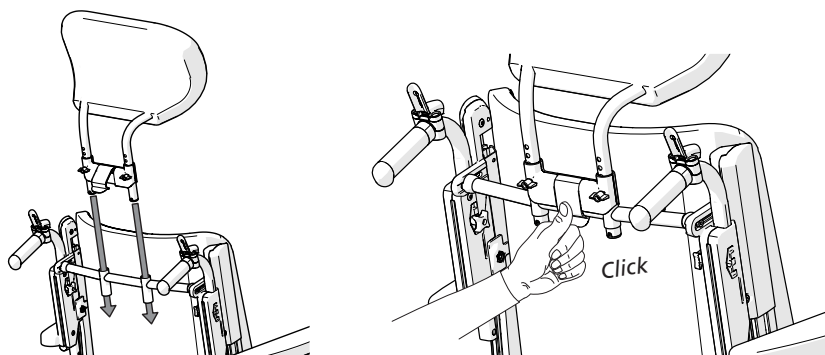


5. Installation upon delivery

Head support



Never lift the chair by the head support.



Push handle/Bow handle

Install the push handles/bow handle by loosening the handle and pushing in the locking pins on the push handle. Note! push handle with **symbol for back angle** must be installed on the **left** side, push handle with **symbol for tilt** must be installed on the **right** side.

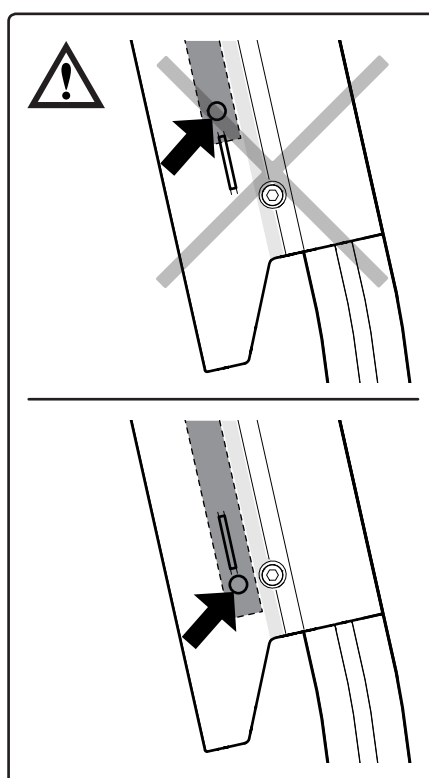
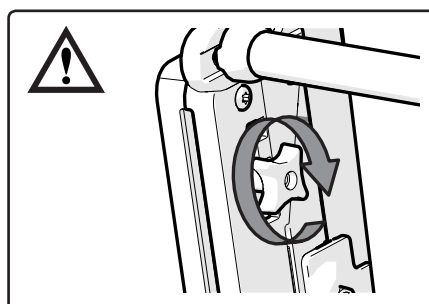
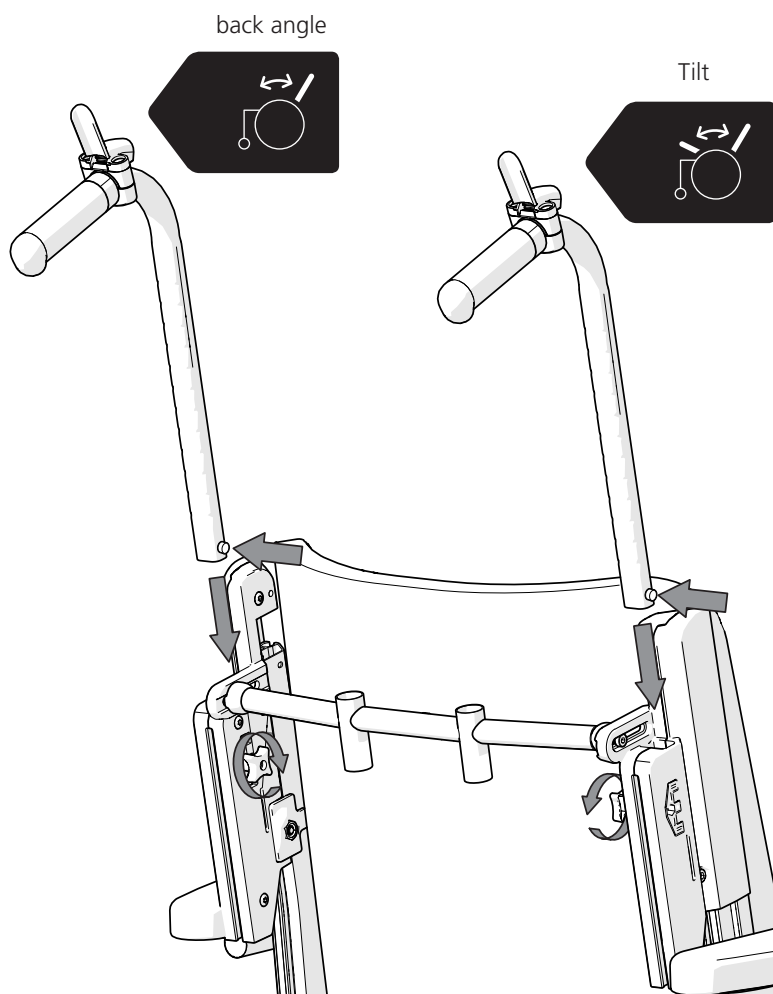
Fasten the handle.



Make sure knobs are securely tightened. This is especially important when lifting the wheelchair with the user in.



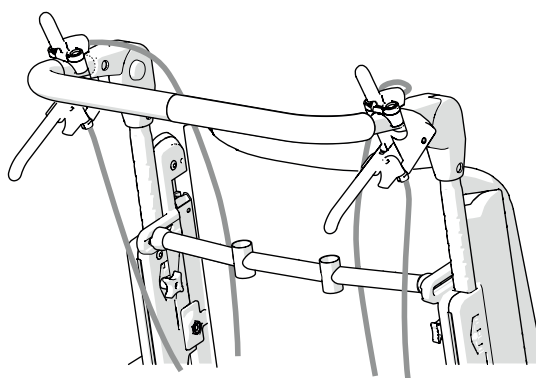
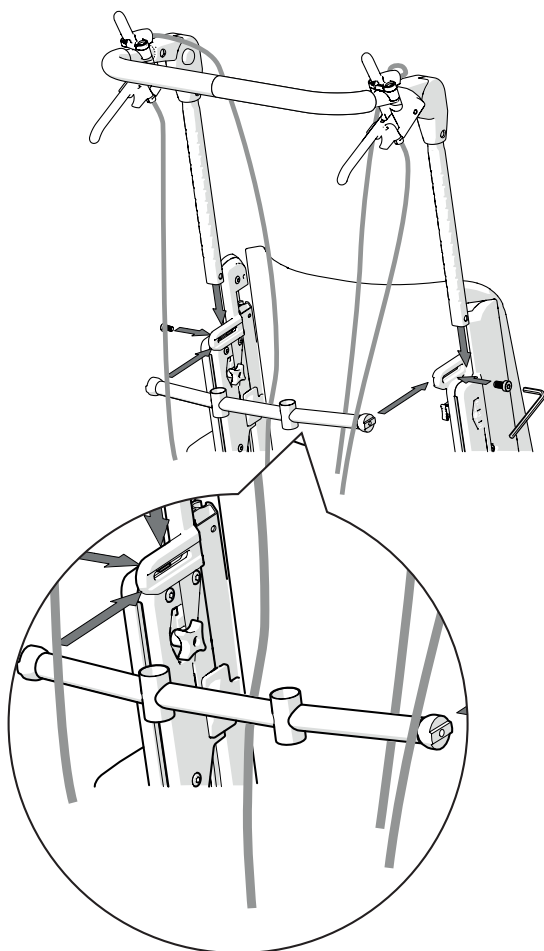
Ensure that the push handle locking pins are secured in the push handle attachment.



5. Installation upon delivery

Cross brace

If the chair is equipped with a push brace, it can sometimes be delivered with the cross brace removed. Fit the cross brace as shown in the illustrations.



6. Charging

Charging the battery (Electrical recline function)

When the chair is delivered the battery is base charged. The battery must be charged fully before the product is used for the first time, but not later than 12 months after delivery. After this, conservation charging is required at least once every 12 months.

Charging should be done in a dry environment. Ensure that the charging socket is completely dry before charging.

Insert the charging socket and connect the charger to a wall socket.

The voltage indicator (A) is illuminated, showing that the charger is connected.

The two indicators showing that the battery is charging (B) flash.

When the lights go out, the battery is fully charged.

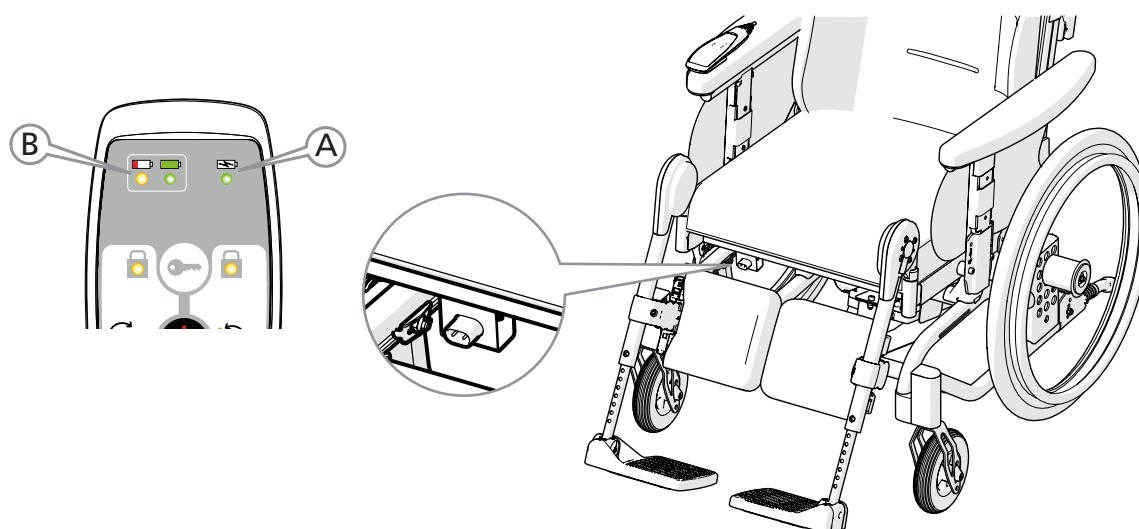
When the battery level is low (0-35%) the hand control emits an audible signal when it is used.



Never charge the battery while the user is sitting in the chair.



Never charge a damaged battery.



7. Settings

Seat height

Seat height adjustable using:

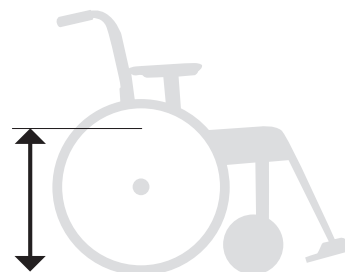
- The rear wheel position in the gable and the castor position in the fork.
- Change of rear wheel size



Bear in mind the risk of tipping.
Always check the positioning of the anti-tips.



The chassis undercarriage must always be horizontal. When changing the seat height, the front seat height must also be adjusted. See Section "Height adjustment, front".



Seat height adjustment using the rear wheel position

1. Loosen the nut.
2. Open the kit with the washers and install at the required position (see table in Section "Seat height table").
An adaptor sleeve should be used with 16" wheels in positions A2 and B2.
3. Adjust the castors/castor fork so that the chassis undercarriage is horizontal (see section "Height adjustment, front").
4. Adjust the user brake, see section "Brake, adjustment".



Bear in mind the risk of tipping.
Always check the positioning of the anti-tips.



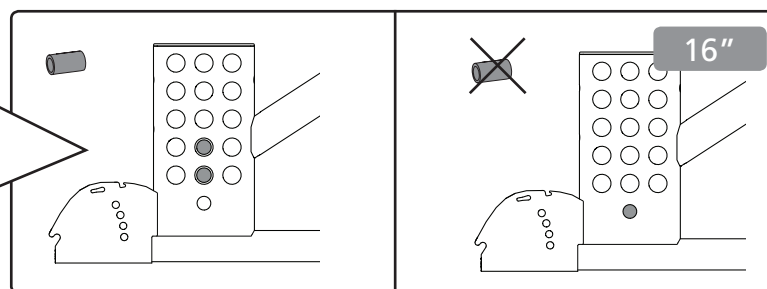
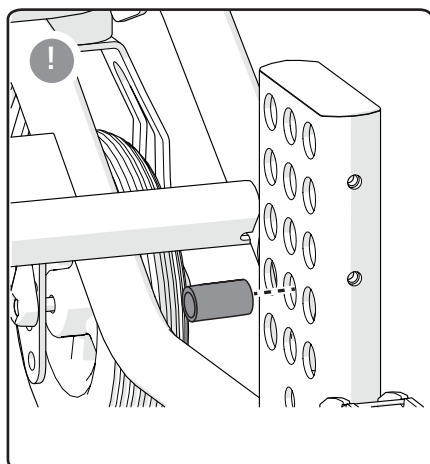
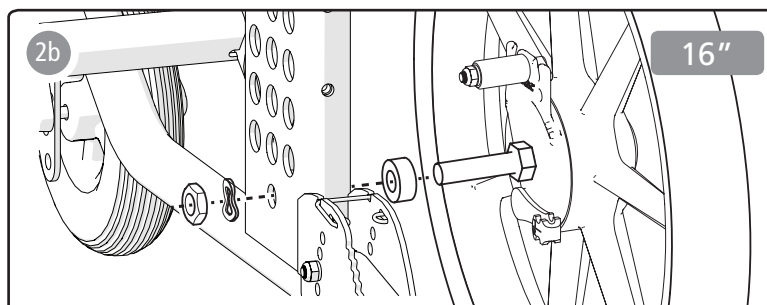
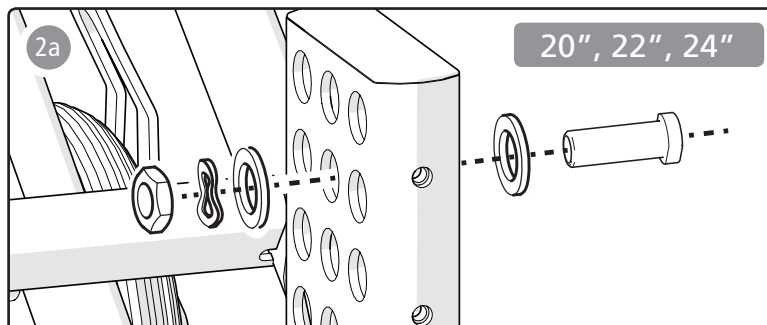
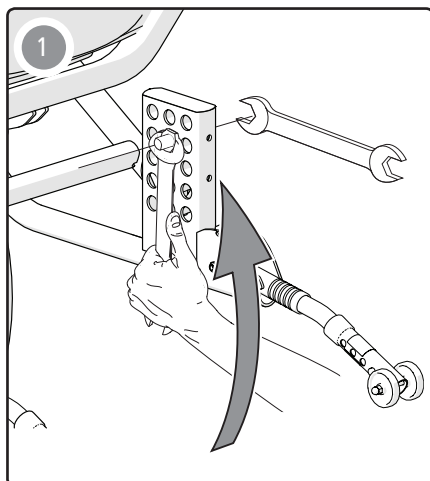
In certain rear wheel positions, there is a crushing hazard between the arm support and rear wheel (if the arm support is set at low height).



17 mm
24 mm



14 Nm



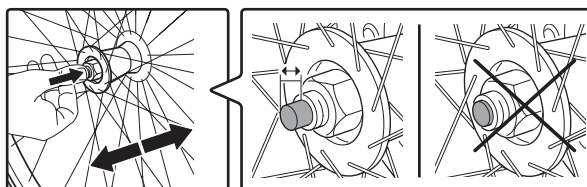
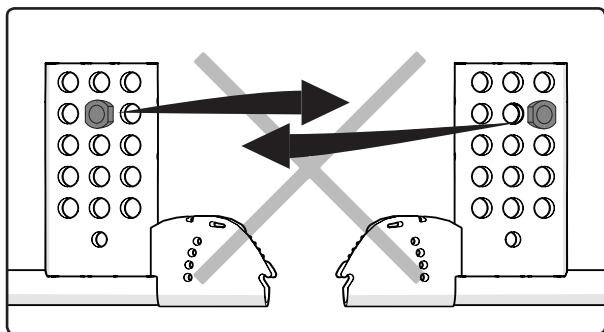
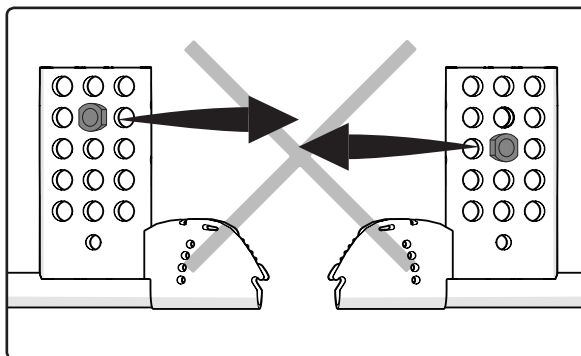
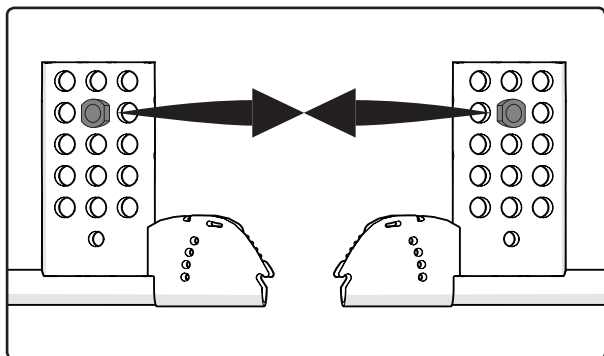
7. Settings

Seat height adjustment using the rear wheel position

During installation, make sure that the hubs end up in the same position on the right and left side.



During installation, check that the rear wheel is securely mounted. The button in the hub should pop out to the original position.



Height adjustment, front

The **chassis undercarriage** must always be horizontal. When adjusting the seat height, it is therefore also necessary to adjust the castor wheel position in the fork or change the castor/fork (see Section "Seat height table").



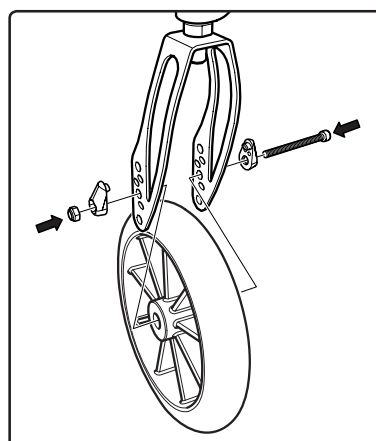
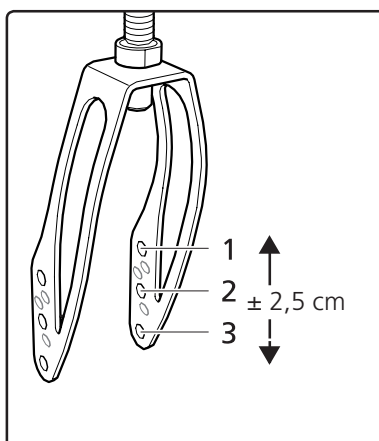
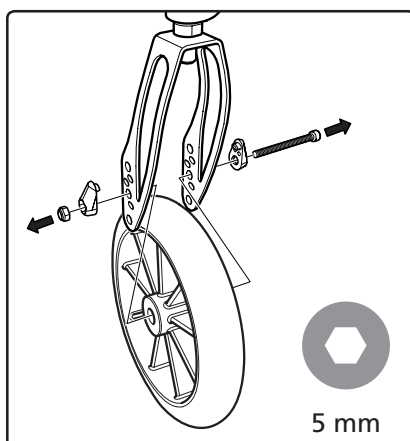
Bear in mind the risk of tipping. Always check the positioning of the anti-tips.

Height adjustment, front, using the castor wheel position in the fork

See also section "Seat height table".



Bear in mind the risk of tipping. Always check the positioning of the anti-tips.



7. Settings

Height adjustment, front, by replacing the front fork/castor wheel

See section "Height adjustment, front, using the castor wheel position in the front" and "Seat height table".



Bear in mind the risk of tipping.
Always check the positioning of the anti-tips.



5 mm



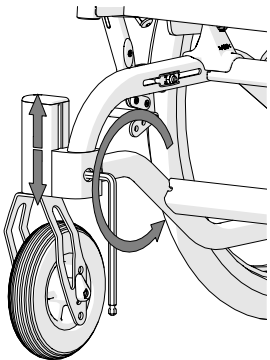
19 mm

Forward height adjustment using front fork attachment

With a 6.5" castor wheel, the front fork mounting must be height-adjusted in certain rear wheel positions. Loosen the screw that holds the front fork mounting and adjust the height so that the lower tube of the chassis is parallel to the floor.
Tighten the screw again.



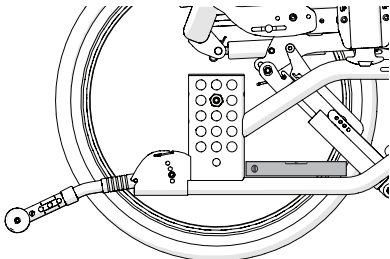
Bear in mind the risk of tipping.
Always check the positioning of the anti-tips.



6 mm



20 Nm



Disassembly/assembly of the front fork

1. Remove the nut cover and disassemble/assemble the front fork with the castor wheel in accordance with the illustration.

NB! It is important to ensure that the ball bearings and washers in the attachment (under the retaining nut) are placed in the right order with the spring washer on top.

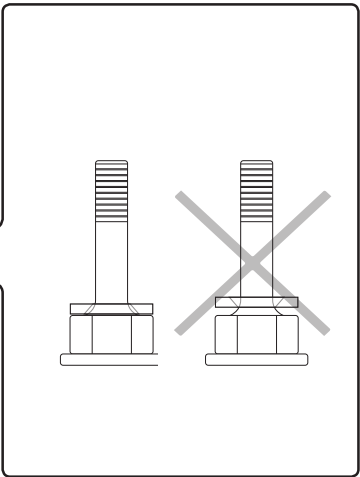
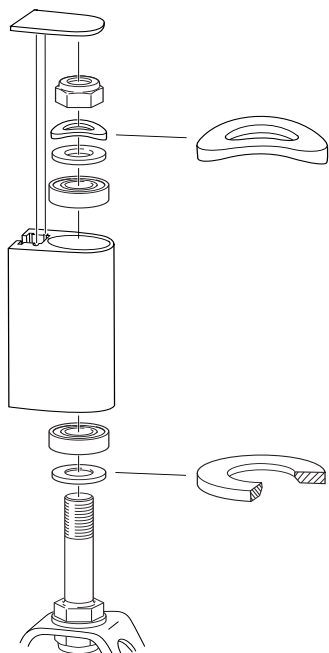
During installation, tighten the retaining nut until it comes to a stop and then release by ½ – 1 turn. The spring washer then has the correct tension and reduces the risk of the castor starting to "wobble".



Bear in mind the risk of tipping.
Always check the positioning of the anti-tips.

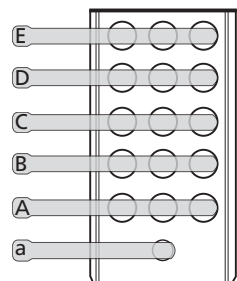


19 mm



7. Settings

Seat height table



			Short Fork									Medium Fork								
			S1			S2			S3			M1			M2			M3		
Pos.		Seat height	6"	6.5"	8"	6"	6.5"	8"	6"	6.5"	8"	6"	6.5"	8"	6"	6.5"	8"	6"	6.5"	8"
E	20"	38.0	X																	
	22"	40.5				X	X					X	X							
	24"	42.5					X**	X	X				X**	X*	X					
D	20"	40.5				X						X								
	22"	43.0						X	X	X				X*	X	X				
	24"	45.0					X**			X**	X		X**			X**	X	X		
C	20"	43.0						X	X	X				X*	X	X				
	22"	45.5									X						X	X	X	
	24"	47.5								X**	X					X**	X	X	X**	X
B	20"	45.5									X						X	X	X	
	22"	48.0									X						X	X		
	24"	50.0									X						X	X	X**	
	16"***	40.0				X						X								
A	20"	48.0									X						X	X		
	22"	50.5									X						X	X		
	24"	52.5																		X
	16"***	42.5						X	X					X*	X					
a	16"***	45.0									X						X	X		

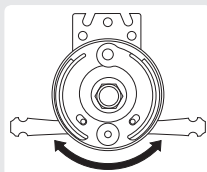
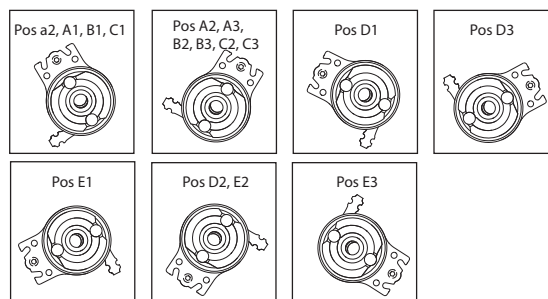
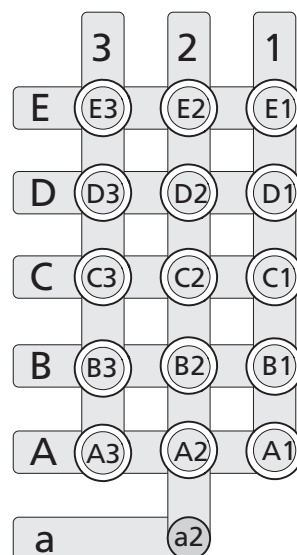
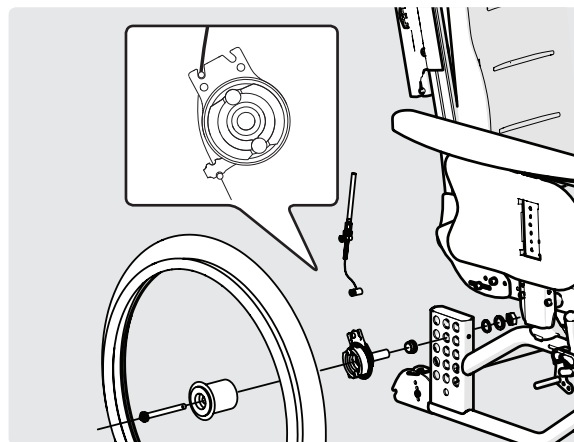
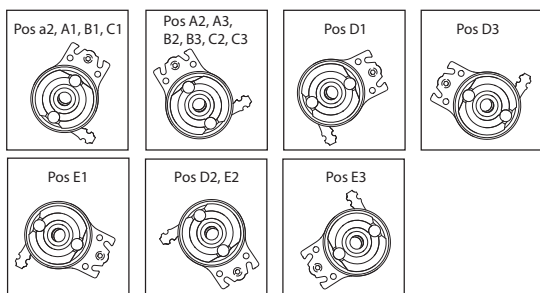
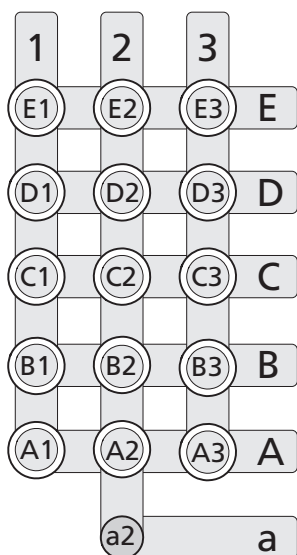
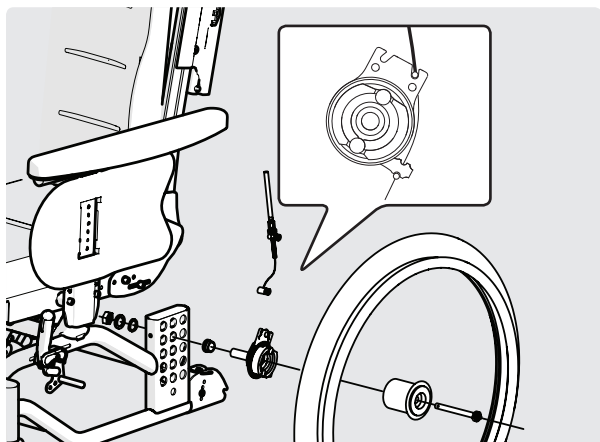
*Only 8 x 13/8" (200 x 35 mm), not 8 x 2" (200 x 50 mm)

** The height of the front fork mounting must be adjusted. See section 'Height adjustment using front fork mounting'.

*** Chair equipped with electrical recline function must have anti-crush guard fitted.

7. Settings

Seat height adjustment using the attendant brake

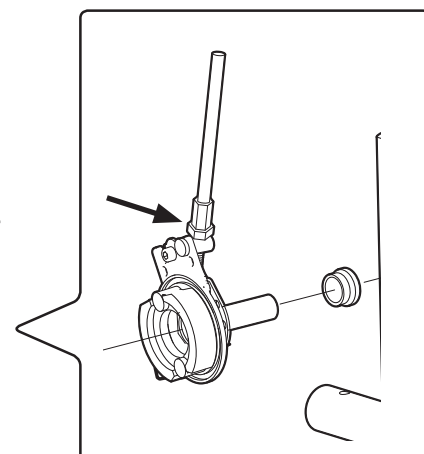
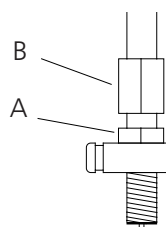


The brake arm
can be turned.

When adjusting the brake loosen nut (A) and adjust the brake by moving (B) up/down.
When the brake has a reasonable effect tighten nut (A).
This adjustment should be carried out when the brake is not functioning satisfactorily.



8 mm

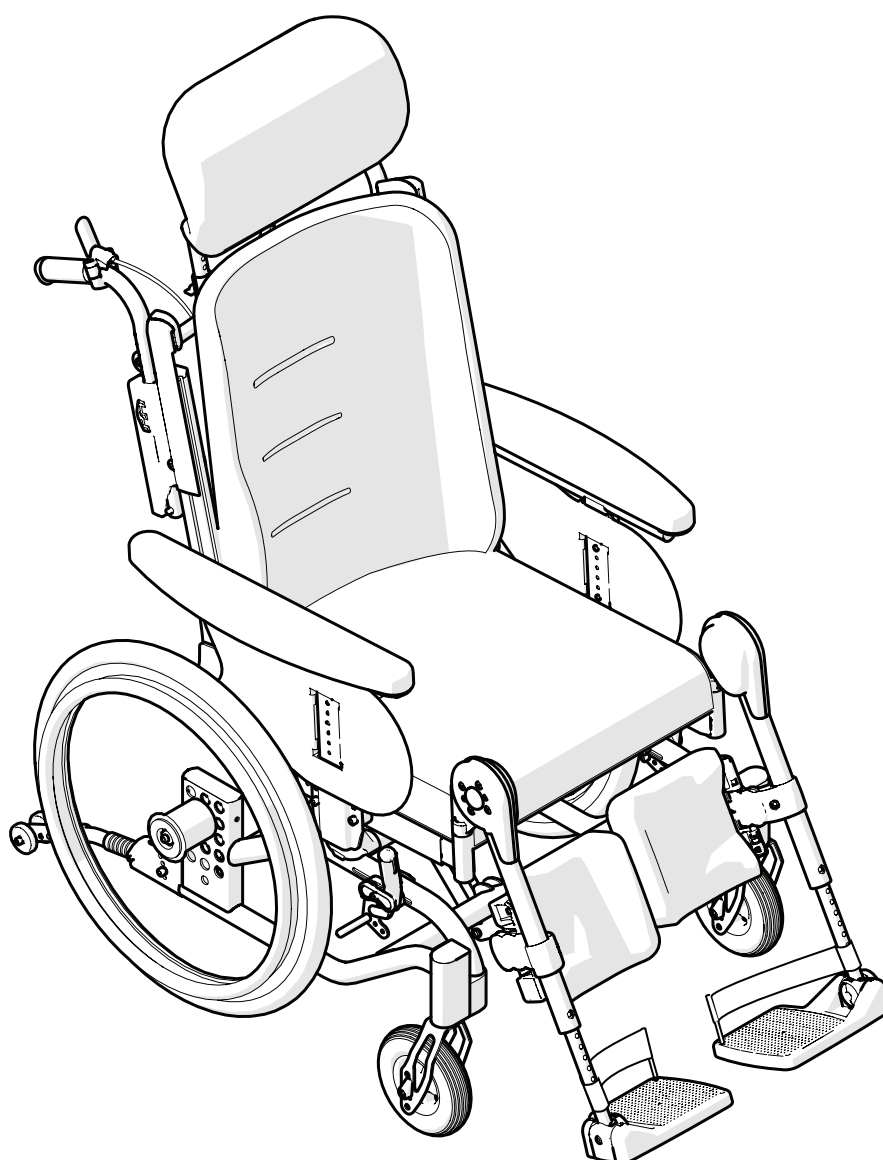


User manual

75341F 2018-10-18



This part of the manual (User Manual) must be removed and always be supplied with the wheelchair as it contains important user information.



Etac Prio

User manual

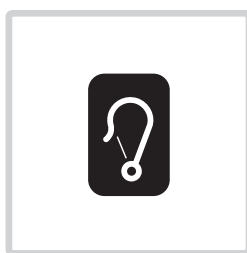
Contents

User manual

Symbols and warnings	18
Seat comfort settings	19-21
Handling	22-26
Driving technique, use	27-29
Transport in vehicles	30
Removal of upholstery	31
Maintenance & Troubleshooting form	32

Symbols and warnings

These symbols occur on labels and in the user manual and must be taken into consideration during use.



Securing



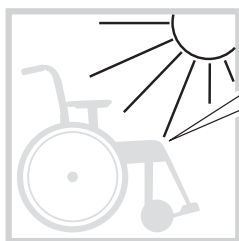
Do not lift the chair by removable parts



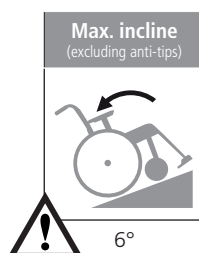
Risk of tipping: Always keep the anti-tips folded down.

General warnings

The following must be taken into account when using the product.



Bright sunlight could heat parts of the chair and cause burns



The chair might tip if the incline at the rear is greater than 6°. Use anti-tips!



After adjusting the seat height, centre of balance or back support angle, always ensure that you check the function of the anti-tips.



Bear in mind the risk of tipping. Always check the positioning of the anti-tips.



Bear in mind the risk of tipping. Always use the anti-tips!

User manual

Seating comfort settings

Seating comfort

Good seating comfort depends on the needs and possibilities available to each individual. The following general guidelines here show what to consider when settings are made.

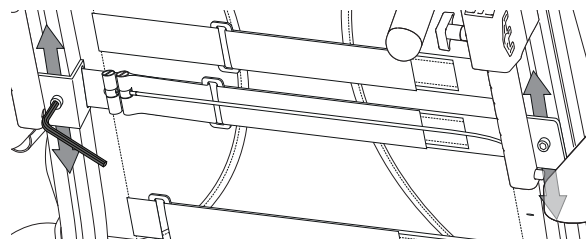
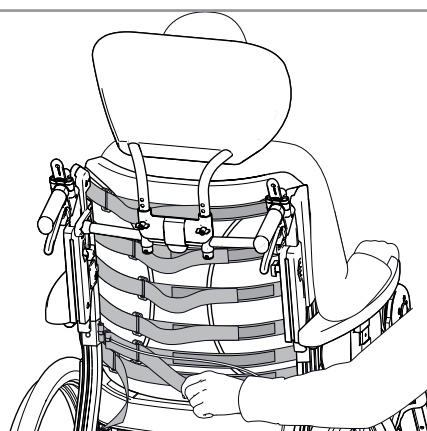
Back support upholstery

The back support upholstery is adjusted with the user sitting in the wheelchair.

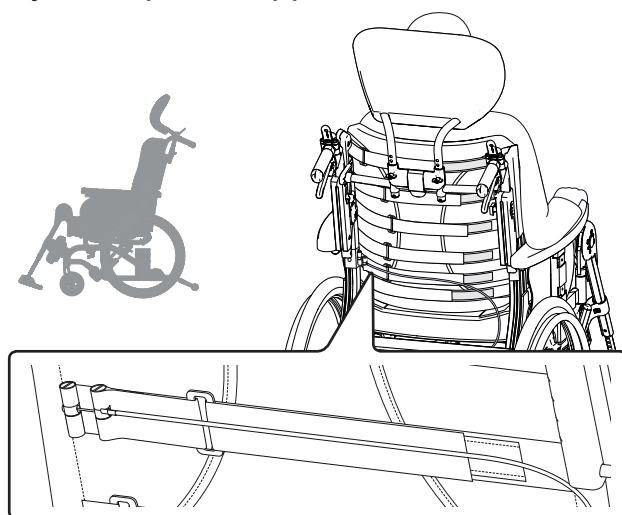
- Make sure the user is sitting as far back in the seat as possible.
- Angle the back support so that the dynamic pelvic support is activated (see illustration).
- Support the pelvis by tightening the dynamic pelvic support belt. Remember that the belt is automatically loosened when the back support is tilted back (see illustration). With the Comfort back support cover, the back support belt is also height-adjustable.
- Then adjust the upper strap to provide the user with upper body support and balance.
- The other straps are adjusted to provide space for the user's posterior and follow the back's natural curvature.



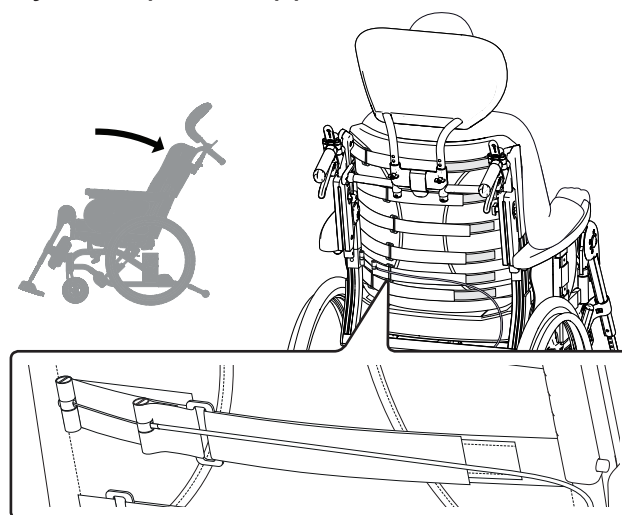
Bear in mind the risk of tipping.
Always check the positioning of the anti-tips.



Dynamic pelvic support activated



Dynamic pelvic support deactivated



User manual

Seating comfort settings

Head support - height

The head support height is adjusted by loosening the screws and nuts.



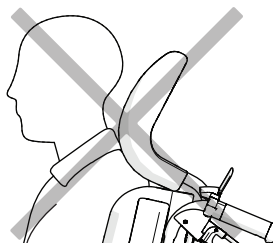
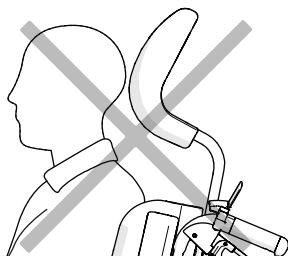
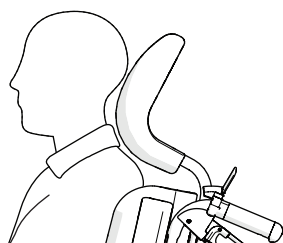
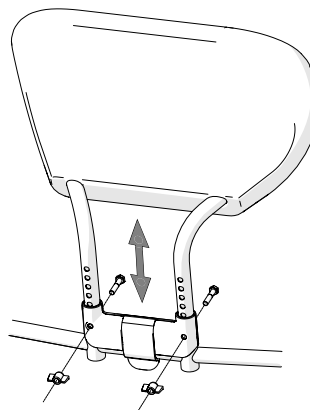
Bear in mind the risk of tipping.
Always check the positioning of the anti-tips.



Never lift the chair by the head support.



It is easier to install screws and nuts when
the head support is removed.



User manual

Seating comfort settings

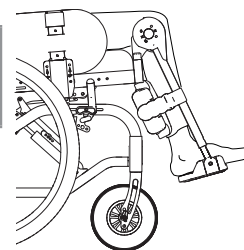
Footplates

Adjust the height to support the feet and so that the thighs rest against the seat cushion.

For outdoor use the footplates should be raised 4 – 5 cm above the ground.

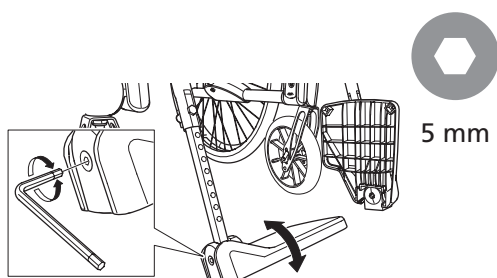


Tipping risk!
Never stand on
the footplates



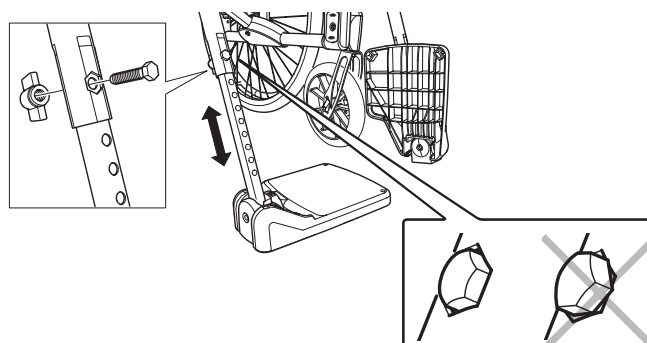
Angle adjustment

Adjust the angle of the foot supports so that your ankles are at a 90° angle.



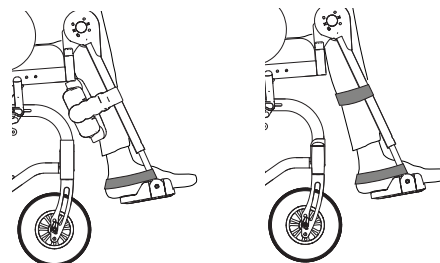
Adjusting the height

Fully loosen the locking handle on the leg support. Remove the screw. Set the height. Replace the screw and handle. Tighten securely.



Calf/heel strap

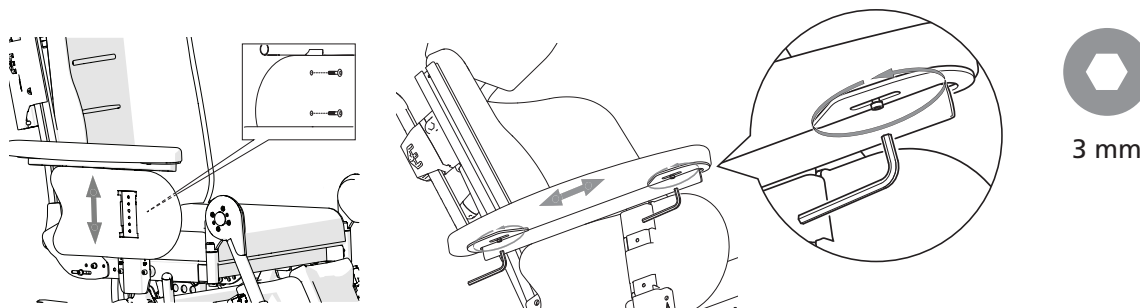
- Adjust the length so that the centre of the feet are placed on the footplates.



Arm support (adjustment)

- Loosen the screws on the inside of the supportive plate.
- Move the arm support up or down to the desired height and tighten the screws.

- Loosen the screws on the underside of the arm support cushion to adjust the length of the cushion.
- Correctly adjusted arm supports provide upper body support. The arm support plate should be approximately 5 mm taller than the elbow when bent at an angle of 90°.



User manual

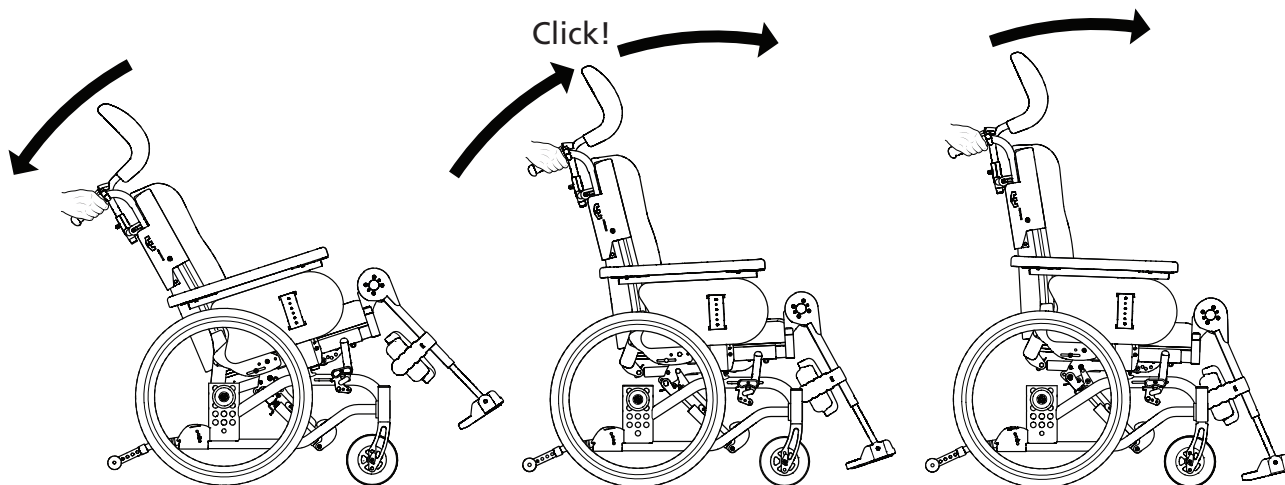
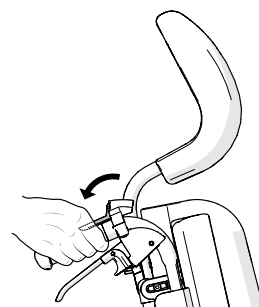
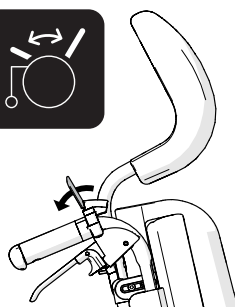
How to use

Tilt function, comfort lock

The chair is tilted by pressing down the adjustment on the right handle frame. On chairs equipped with comfort locks, forward tilting is stopped at the pre-installed comfort lock. Keep the adjustment pressed down, and press forward slightly to get past the comfort lock.



Bear in mind the risk of tipping.
Always check the positioning of the anti-tips.

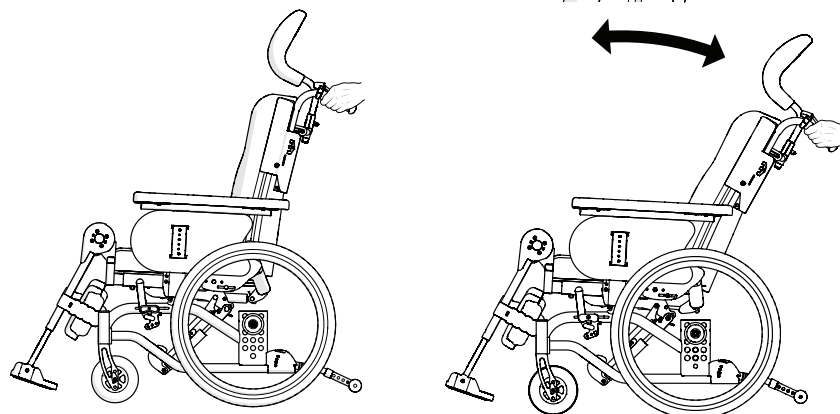
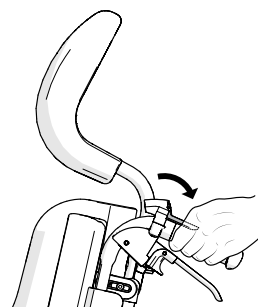
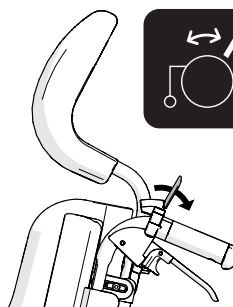


Back angling

The back angle is changed by pressing down the back angle controls on the left side.



Bear in mind the risk of tipping.
Always check the positioning of the anti-tips.



User manual

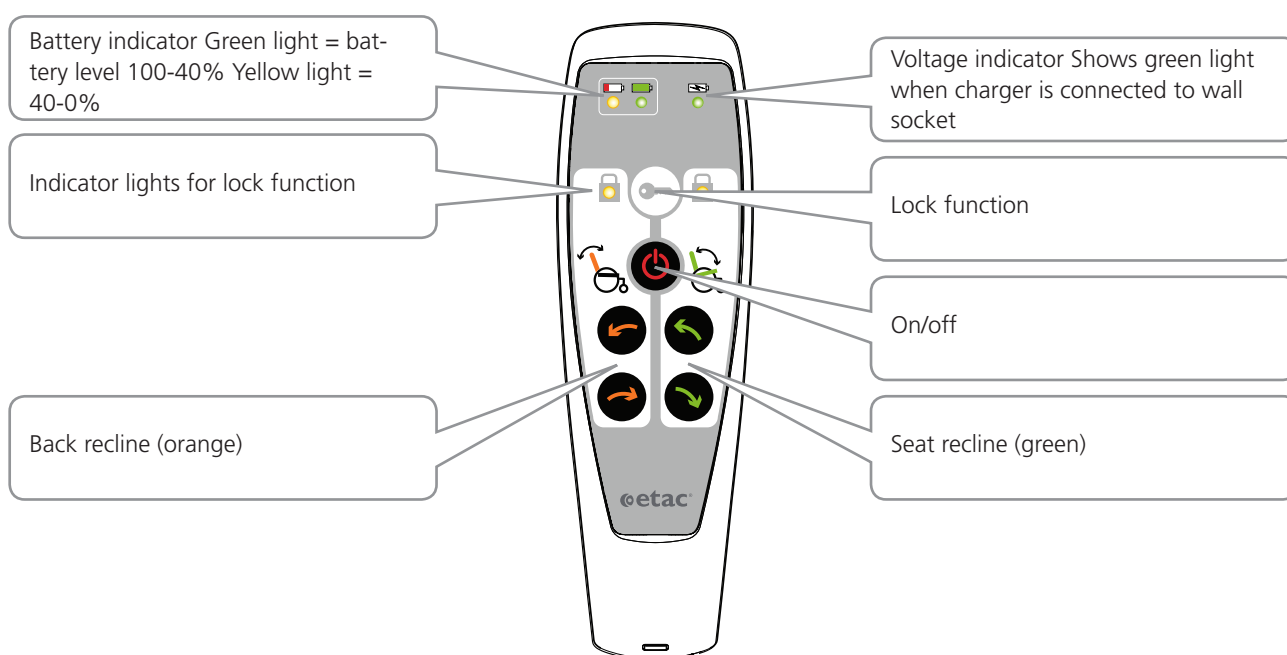
How to use

Electrical recline function

Back angle and seat angle are adjusted by means of the hand control. The hand control is deactivated after not being used for 30 seconds. It can also be deactivated manually by clicking the on/off button.



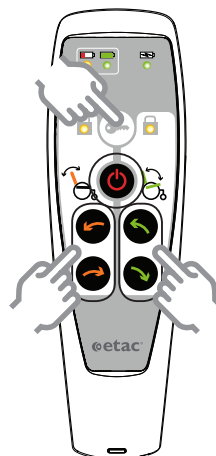
The hand control must not be handled by children or by cognitively impaired persons.



Locking of functions

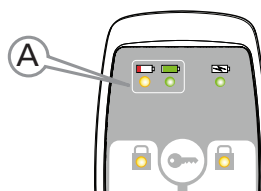
The back and/or seat recline functions can be locked. Press the locking button and hold it down. At the same time, press one of the arrow buttons for the selected function. (Both of them work.) The indicator light is lit when the selected function is locked.

Repeat the same procedure to unlock.



Charging

When the battery level is low (0-35%) the hand control emits an audible signal when it is used and the yellow light (A) is lit. See section 'Charging'.



Never charge the battery while the user is sitting in the chair.

User manual

How to use

Electrical recline function, back angle

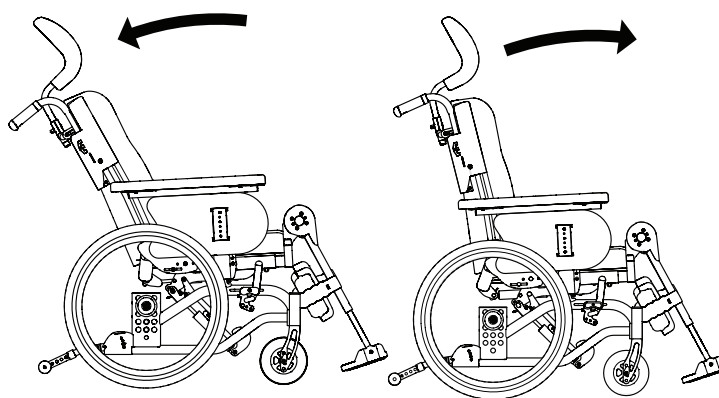
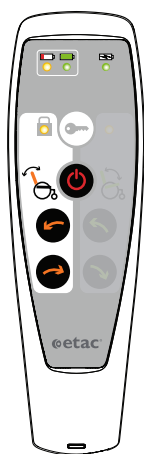
The back angle is adjusted by means of the arrow buttons on the left-hand side of the hand control.



Bear in mind the risk of tipping.
Always check the positioning of the anti-tips.



The electrical recline function must not be used when there is an obstacle, e.g. when the user has their legs under a table.



Electrical recline function, seat angle

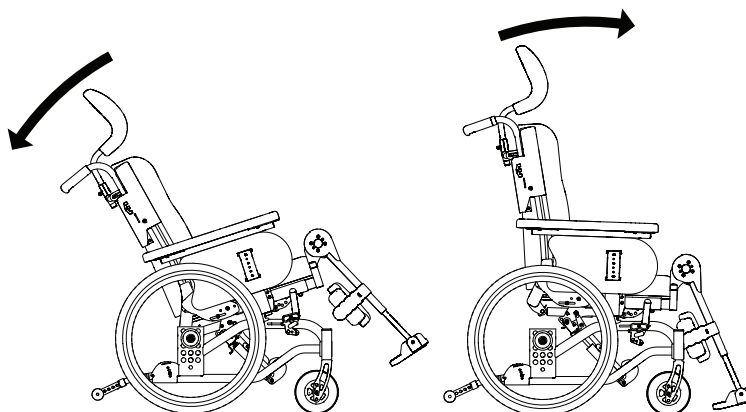
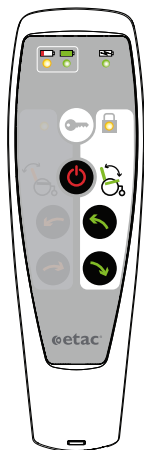
The seat angle is adjusted by means of the arrow buttons on the right-hand side of the hand control.



Bear in mind the risk of tipping.
Always check the positioning of the anti-tips.



The electrical recline function must not be used when there is an obstacle, e.g. when the user has their legs under a table.



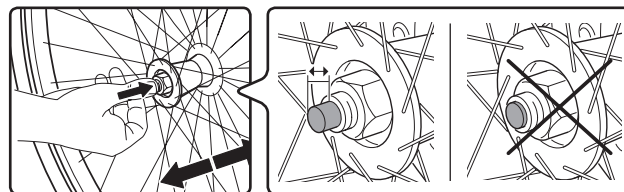
User manual

How to use

Rear wheel with quick release hub



During installation, check that the rear wheel is securely mounted. The button in the hub should pop out to the original position.

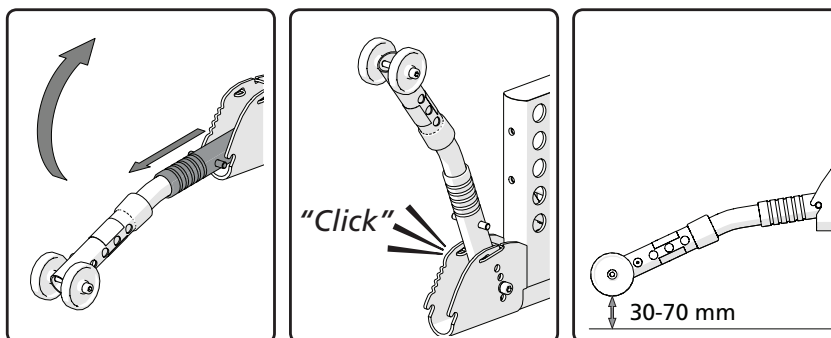


Anti-tips

- The anti-tips can be folded and are height-settable.
- When you fold the anti-tips out of the way, ensure that the locking pins are properly engaged.

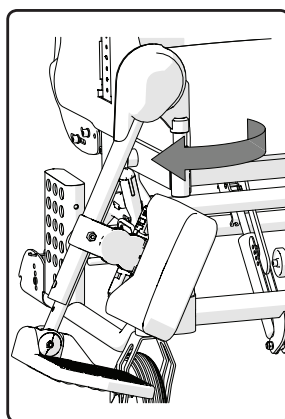
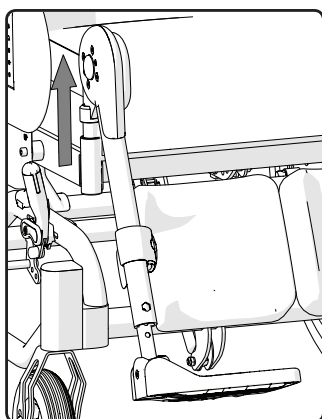


Bear in mind the risk of tipping. Always check the positioning of the anti-tips.



Leg support, elevating

The leg support can be lifted/swung to the side as needed. The footplates can be folded and the calf support can be swung to the side.

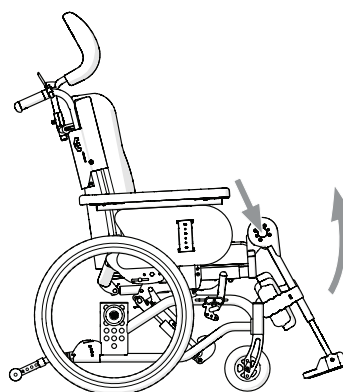


Leg support angle

The leg support angle is adjustable in fixed positions. Set the angle by pressing down the button and lifting/lowering.



Don't lift the chair by the leg supports.



User manual

How to use

The push handle/bow handle, height-adjustable

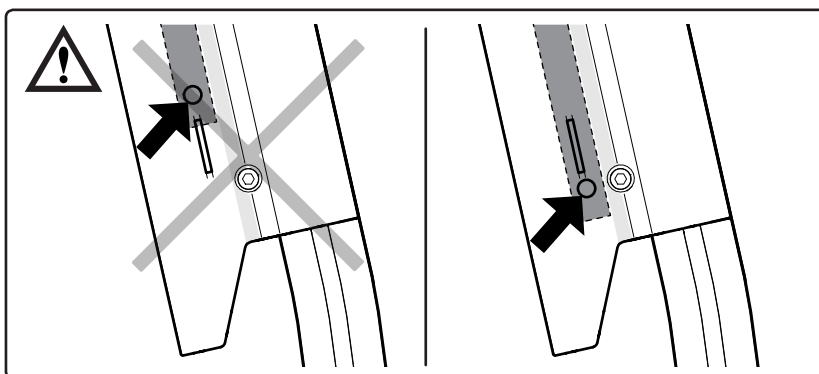
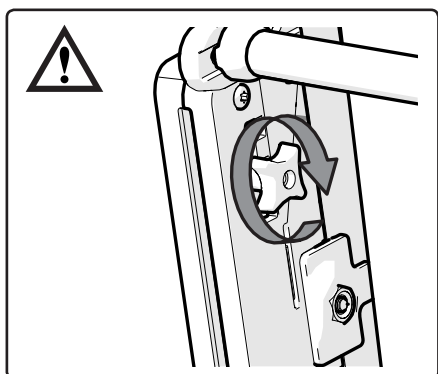
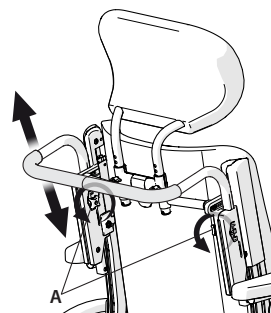
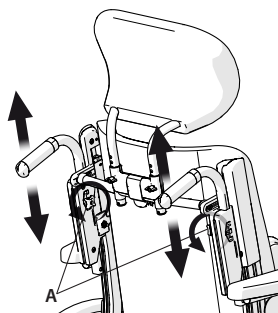
Loosen the knob for the push handle lock (A). Install desired height. Ensure that the push handle is in a "snap lock" position, tighten the knob.



Make sure knobs are securely tightened. This is especially important if the chair is to be lifted with the user sitting in it.

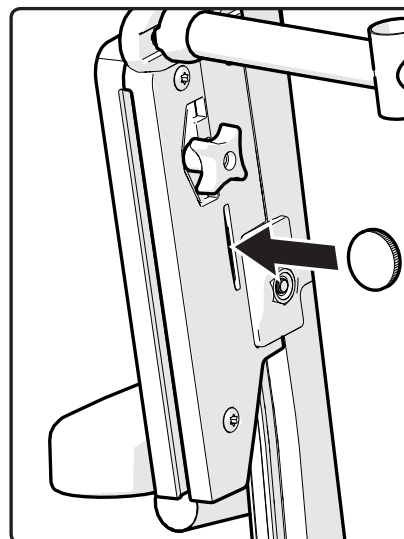
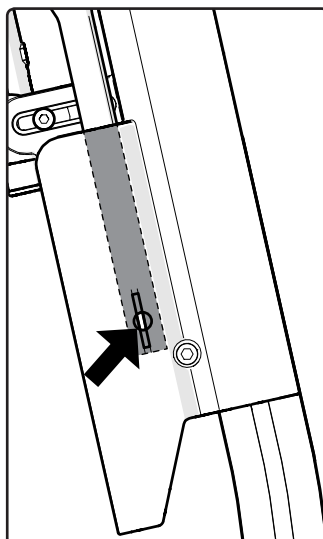
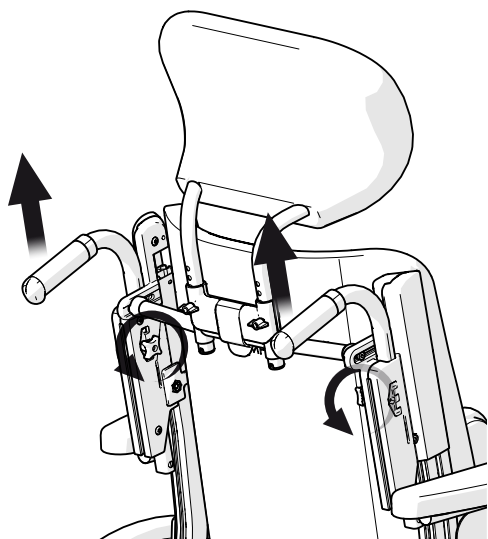


Ensure that the push handle locking pin is always secured under the push handle attachment.



Loosen - Push handle/bow handle

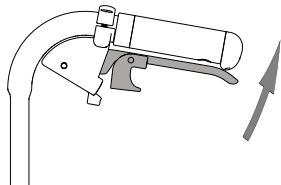
Loosen the knob for the push handle lock. Pull up the push handle until the locking pin engages in the track. Insert a coin or a flat tool in the groove on the right side to unsnap the locking pin on the handle. Pull the push/pull handle out of the attachment.



User manual

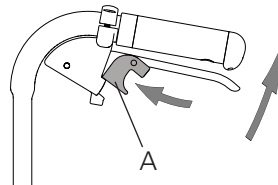
How to use

Attendant brake (motion brake)



- Brake while in motion by pushing the brake handle upwards.

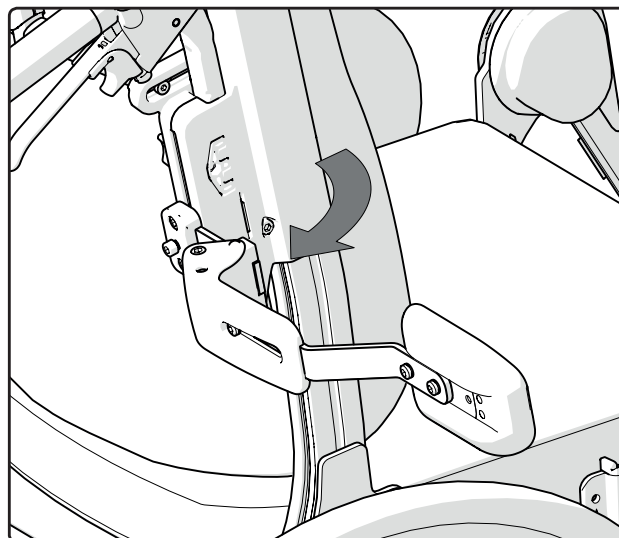
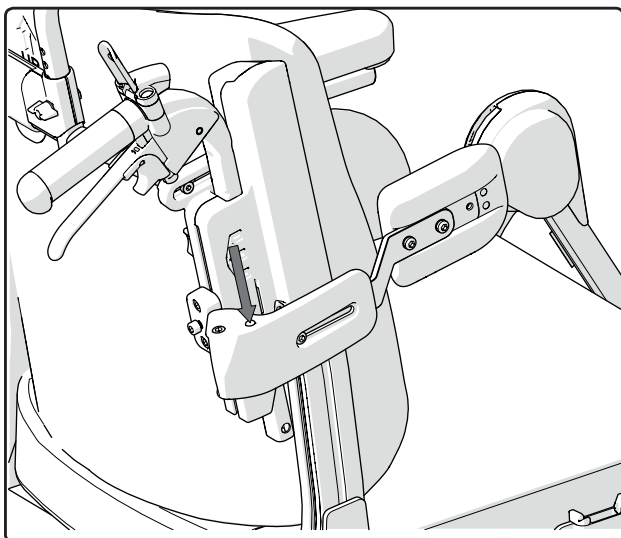
Attendant brake (parking brake)



- Activate the parking brake by pressing the brake handle upwards and pressing button A.
- Loosen by pressing the handle upwards.

Trunk support - swing-away

The trunk support is swung to the side by pressing the button. The arm support can be lifted off when the trunk support has been swung to the side.



User manual

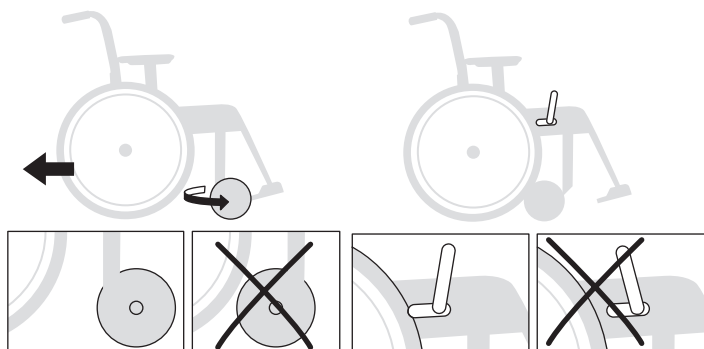
Driving technique, use



Parking



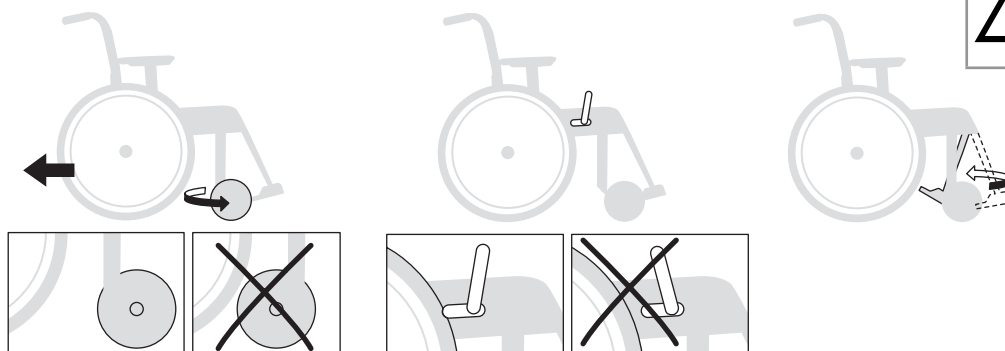
Do not park the wheelchair on a hill when it has a user in it.



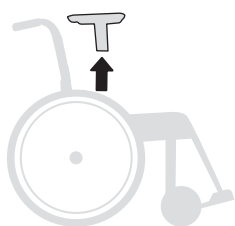
Transferring to/from the wheelchair



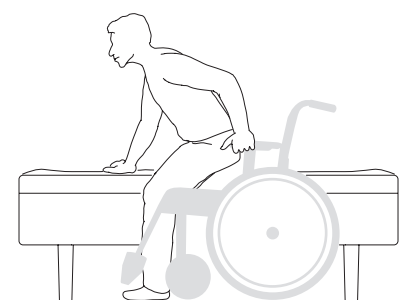
Never stand on the footplates as there is a risk of tipping!



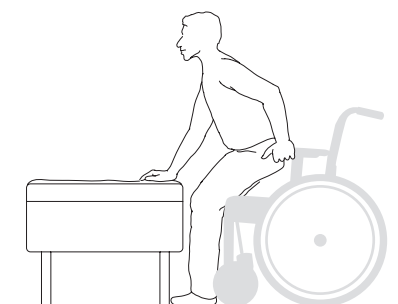
Sideways



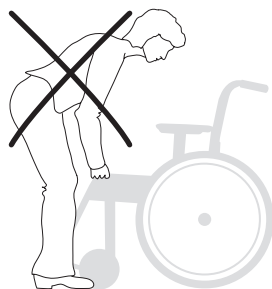
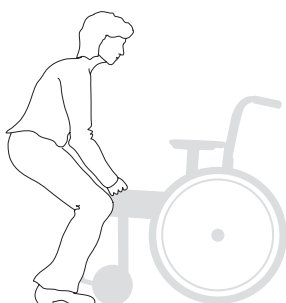
Remove the arm support on the side on which transfer will take place.



From the front



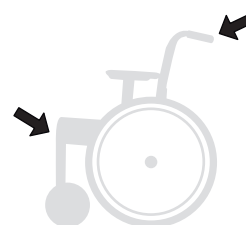
Lifting the wheelchair



- Ensure that the vertically adjustable push handles are properly tightened.
- Swing the leg supports away and lift the wheelchair by the front upper part of the frame.



Never lift the chair by the head support, leg supports or arm supports.

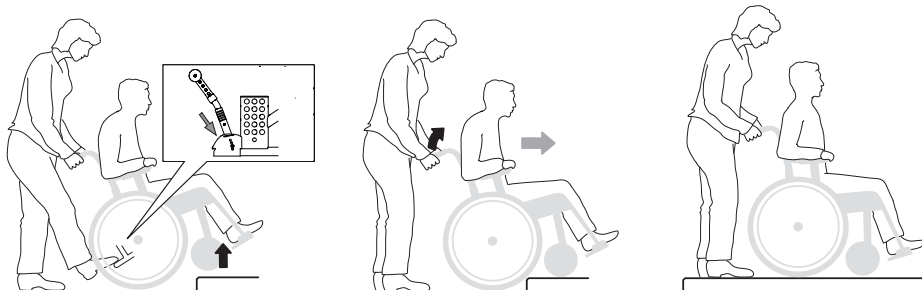


User manual



Carers, up forwards

– Ensure that the anti-tips are disabled.

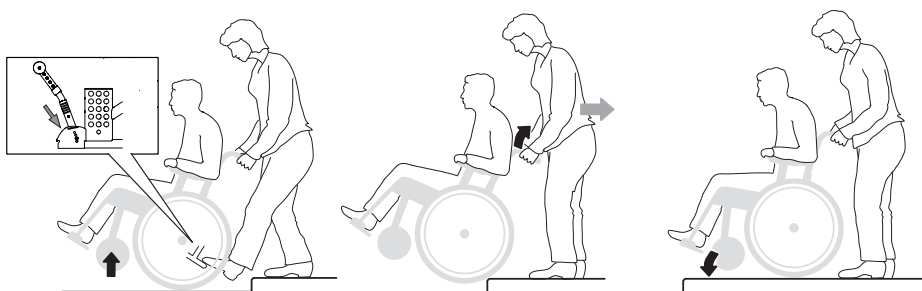


Enable the anti-tips afterwards.



Carers, up backwards

– Ensure that the anti-tips are disabled.

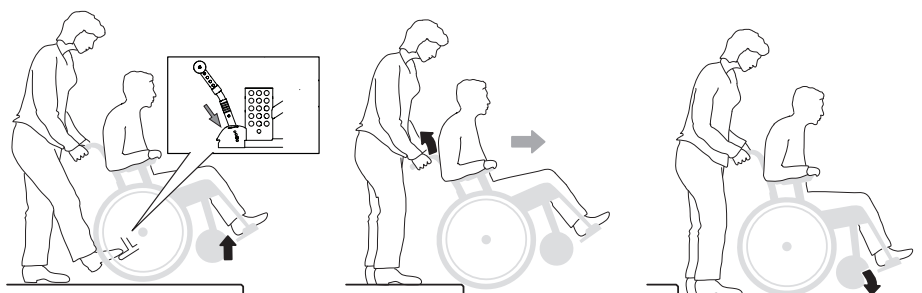


Enable the anti-tips afterwards.



Carers, down forwards

– Ensure that the anti-tips are disabled.

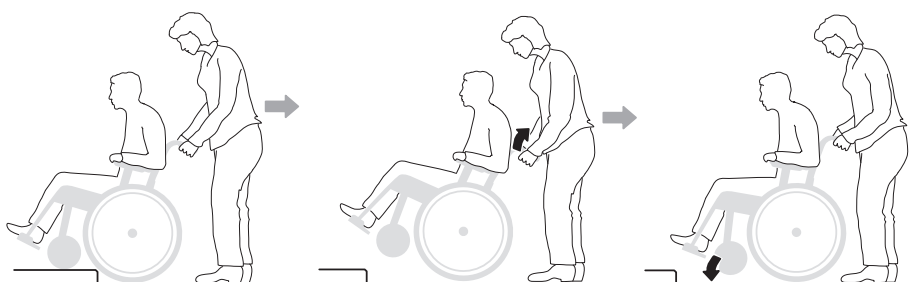


Enable the anti-tips afterwards.



Carers, down backwards

– Ensure that the anti-tips are disabled.



Enable the anti-tips afterwards.

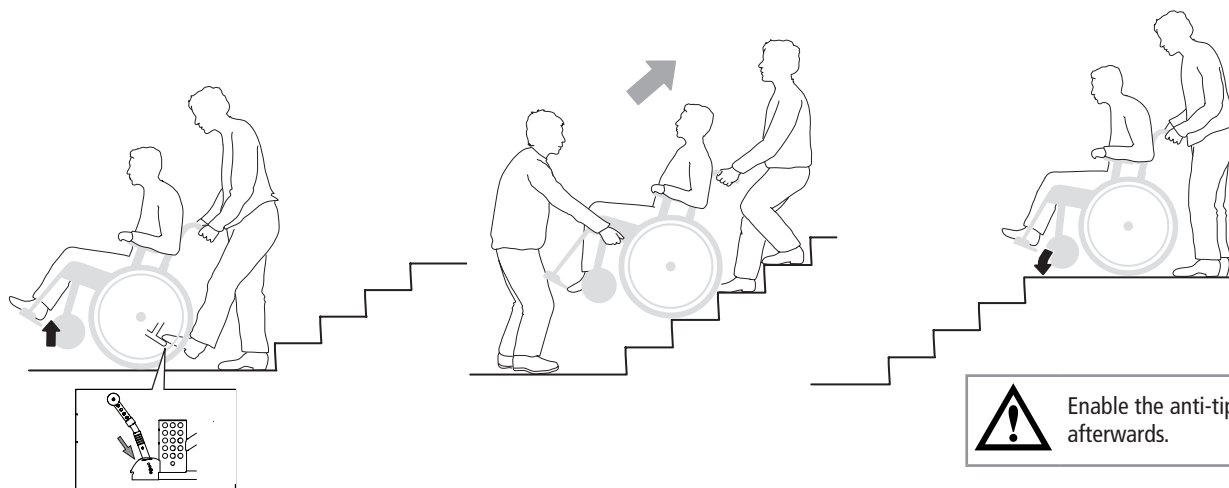
User manual



Stairs, up

– Ensure that the anti-tips are disabled and that height-adjustable handles are securely tightened.

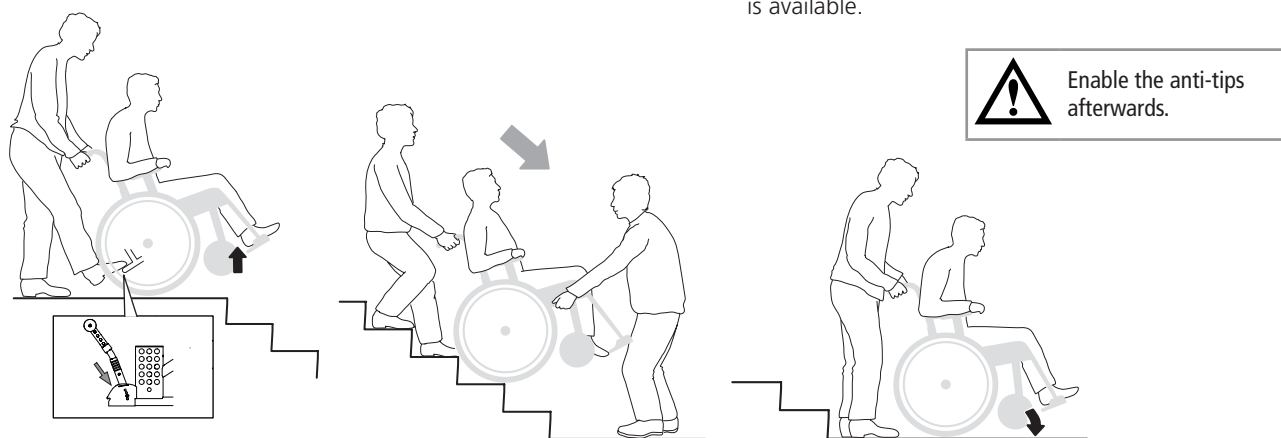
We recommend there always being two carers for this transfer. One walking behind and holding the push handle and one walking in front, holding the frame. Never use an escalator, even if a carer is available.



Stairs, down

– Ensure that the anti-tips are disabled and that height-adjustable handles are securely tightened.

We recommend there always being two carers for this transfer. One walking behind and holding the push handle and one walking in front, holding the frame. Never use an escalator, even if a carer is available.



User manual

Transportation in vehicles

Etac's wheelchairs are crash-tested and approved according to ISO 7176-19 (see Section "Tests and warranties" in the manual).

Etac recommends in the following order:

- 1) The user transfers to a seat in the vehicle and uses the vehicle's 3-point belt while travelling. The wheelchair is then placed in the boot or safely in the back seat so that it cannot overturn or roll.



- The wheelchair should preferably be placed in the car boot.
- If the wheelchair is placed on the back seat, ensure that it cannot overturn or roll. If possible secure the wheelchair with the car's safety belt.

- 2) The wheelchair is secured facing forwards in the vehicle as per the below, the user uses a separate 3-point belt that is secured in the vehicle. This is the way in which the wheelchair is tested and approved according to ISO 7176-19.

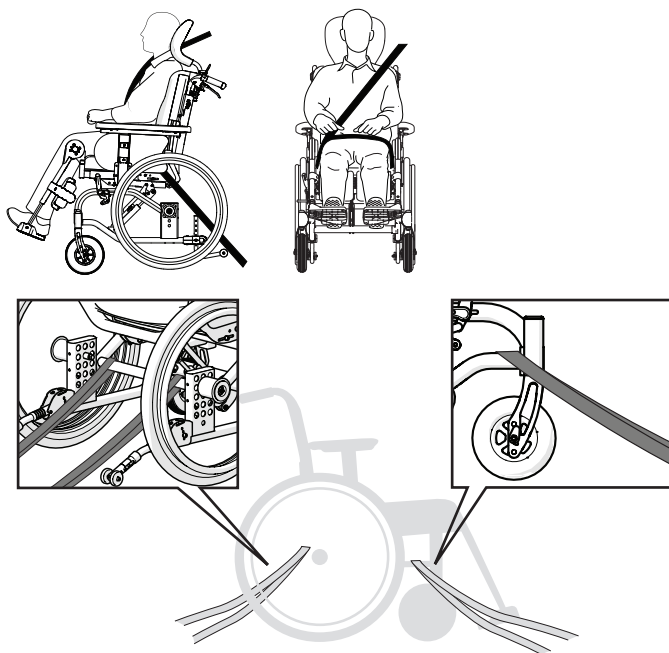
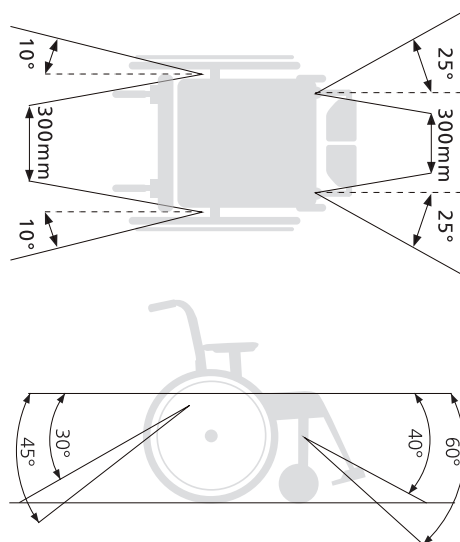


Securing

- The restraining device must not be passed through the wheels or around the back tubes.



- The parking brake should be used.
- The anti-tips must be activated.
- Accessories that can be removed without tools must be removed and secured.
- A correctly configured Etac head support must be used (see Section "Seat comfort settings").
- Handrims must be installed on the rear wheels (not 16" wheels).



- 3) According to Directive 2001/85/EC, appendix VII, point 3.8.3, there may be specially marked wheelchair locations in vehicles that permit transport with a wheelchair facing in the direction of travel. If this means of travel is used, the user/carer must be aware while travelling, prepared for sudden movements and have the capacity to maintain a safe sitting position throughout the entire journey. The user's disabilities must not be of such an extent that he/she is not able to hold onto the handles fitted in the vehicle when there are changes of speed or direction.



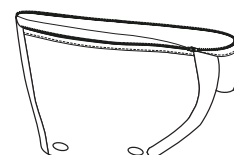
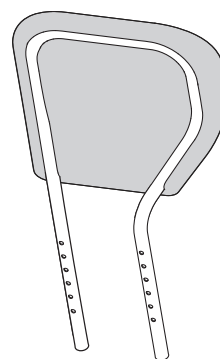
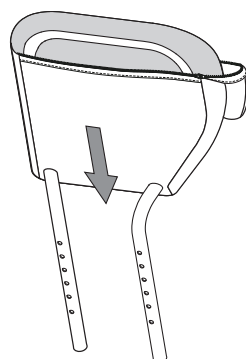
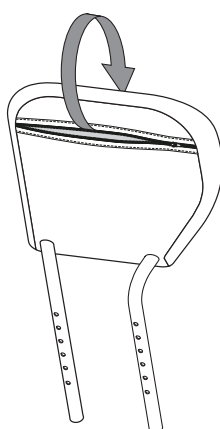
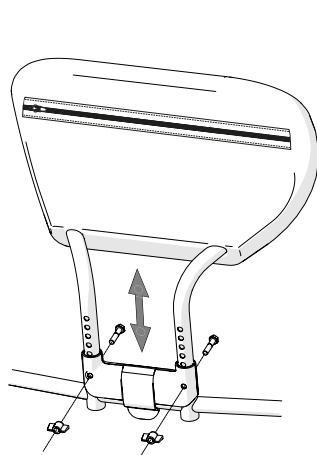
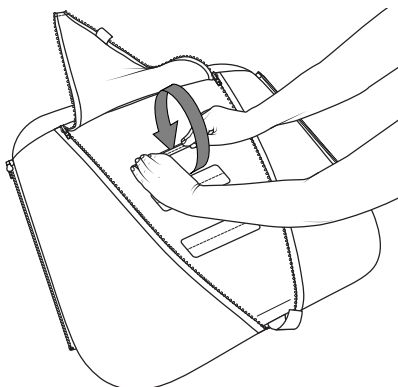
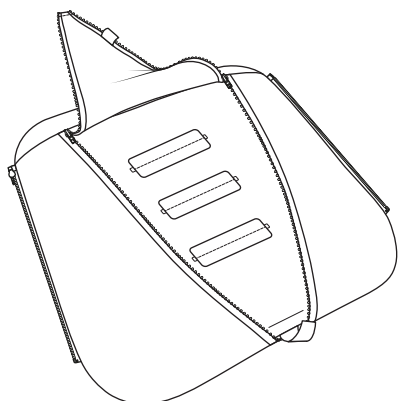
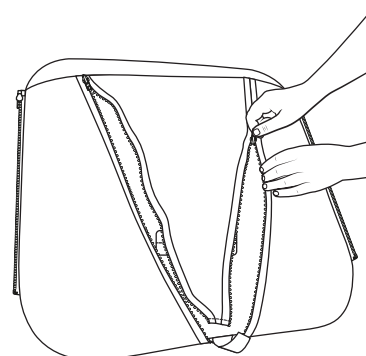
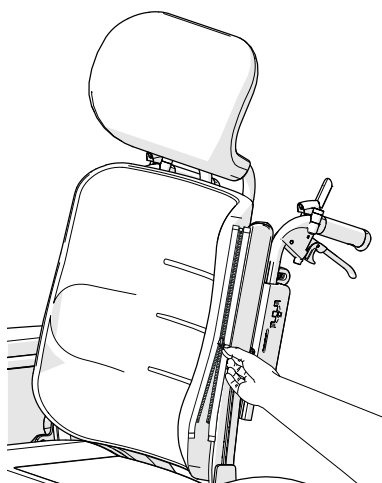
- The parking brake should be used.
- The anti-tips must be activated.
- Accessories that can be removed without tools must be removed and secured.
- A correctly configured Etac head support must be used (see Section "Seat comfort settings").
- A positioning belt should be used.

User manual

Removal of covers

Back cushion

- The back cushion is removed and attached using the zipper.



User manual

Fault-finding chart

The wheelchair pulls to the side	<ul style="list-style-type: none"> • Check that the front fork attachments are mounted correctly • Check that the rear wheels are mounted correctly • The user is distributing weight unevenly in the wheelchair • More strength being used on one side than the other
The wheelchair is "heavy" to operate	<ul style="list-style-type: none"> • Check that the rear wheels are mounted correctly • Clean the castor axles of hair and dirt • Too much weight over the castors. Adjust the centre of balance
The wheelchair is "heavy" to turn	<ul style="list-style-type: none"> • Check that the front forks have not been tightened too much • Clean the castor axles of hair and dirt • Too much weight over the castors. Adjust the centre of balance
The user brake is not effective	<ul style="list-style-type: none"> • Adjust the distance between the tyre and the brake (see Section "Brake, adjustment")
The attendant brake is not effective	<ul style="list-style-type: none"> • Adjust the wire length using the adjustment nipple on the brake drum (see Section "Attendant brake")
Rear wheels are "loose"	<ul style="list-style-type: none"> • Adjust the length of the axle shaft
Rear wheels hard to remove/replace	<ul style="list-style-type: none"> • Clean and lubricate the quick release using e.g. cycle oil • Adjust the length of the axle shaft
The castor wheels "wobble"	<ul style="list-style-type: none"> • The front forks have not been tightened sufficiently • Check that the front fork attachments are mounted correctly • Too much weight over the castors. Adjust the centre of balance
The wheelchair feels "awkward"	<ul style="list-style-type: none"> • Check that screws and controls are properly tightened
Electrical back and seat recline function does not work	<ul style="list-style-type: none"> • Hand control has been deactivated – activate by pressing the on/off button • End position has been reached – use opposite button • Battery is not charged – charge battery • Hand control function is locked – unlock function (See section 'Electrical recline function') • Hand control is not connected – check that the hand control is correctly connected to the electronics unit • Error on hand control – phone retailer or technician for replacement of hand control • Error on electronic unit – phone retailer or technician for replacement of electronics unit • Damaged cables – phone retailer or technician for replacement of cables
Electrical back and seat recline function does not work in spite of action taken	<ul style="list-style-type: none"> • Reset the system by pressing the arrow up buttons and holding for five seconds

User manual

Transportation in aeroplanes

Lithium batteries are subject to statutory regulations.

Always contact your travel organiser or freight company for information about applicable freight regulations before transportation.

Care and maintenance

Rear Wheels: Clean the quick release axles when necessary.

Castor wheel: Clean the castor wheel axles when necessary.

Chassis: Clean the frame with a non-abrasive cleaning agent with a pH level between 5 and 9, or with a 70% disinfectant solution. Rinse and dry.

Upholstery: Wash, see label on upholstery.

Seat and back cushion: Remove the cover and wash in accordance with the washing instructions on the label.

For more severe problems, contact the Technical Aids Centre.



When necessary lubricate moving parts/joints with bicycle oil or similar.

7. Settings

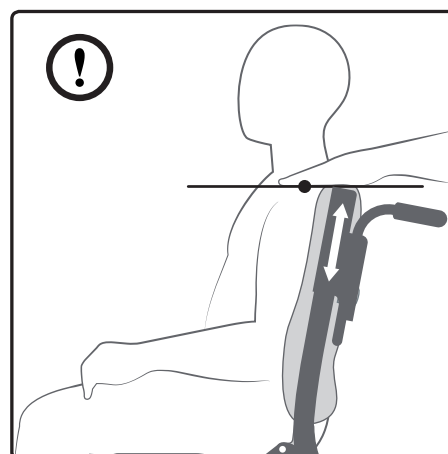
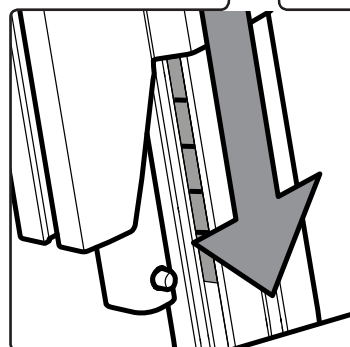
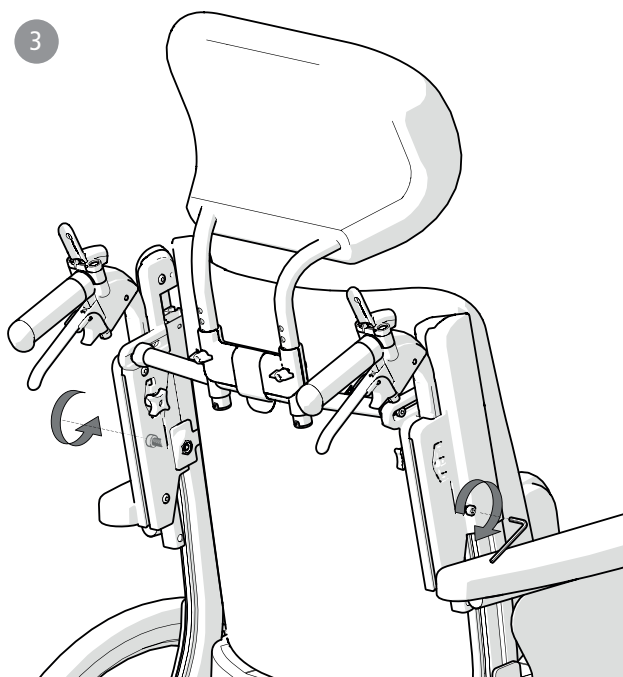
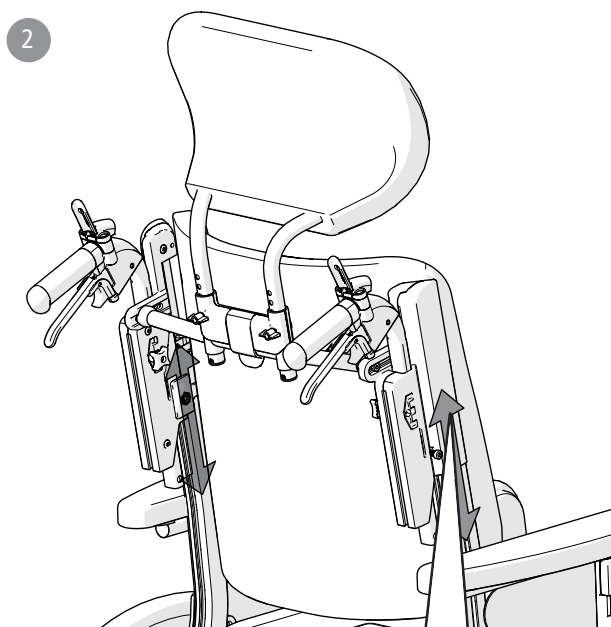
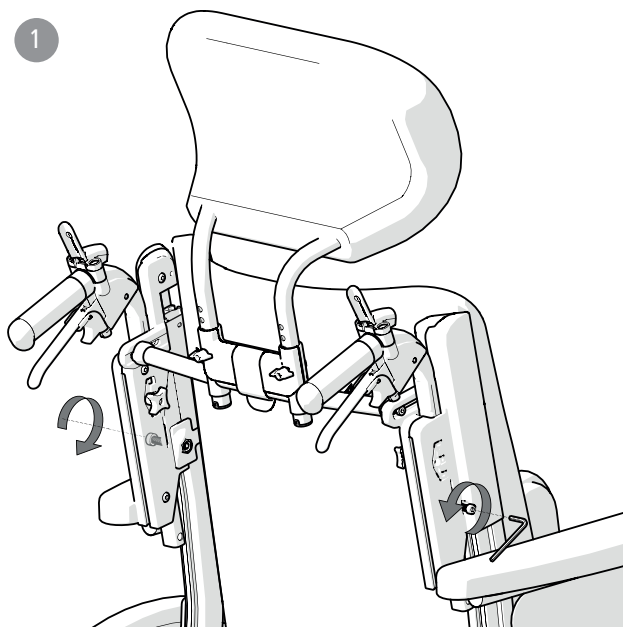
Back height adjustment

The height of the back can be adjusted:

1. Loosen the screws on the side of the back support.
2. Gradually raise or lower using the scale. Ensure that both sides have the same height setting.
We recommend that the top of the back support tubes is aligned with the axles.
3. Tighten the screws securely.



12 Nm



7. Settings

Seat depth, front

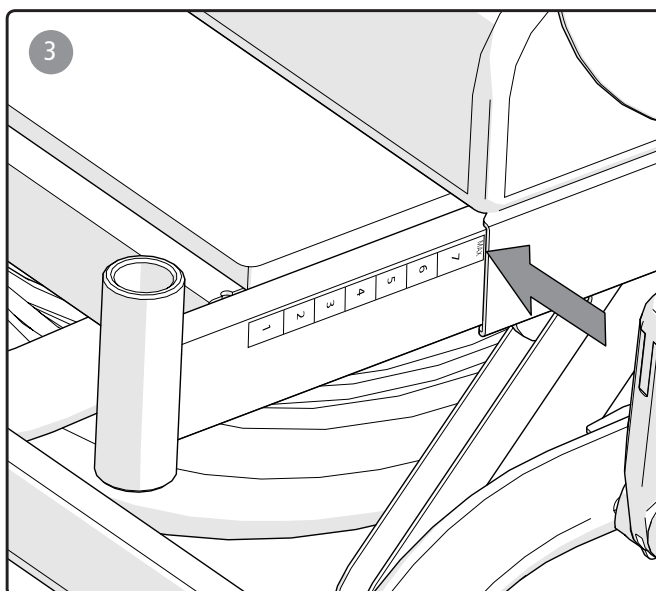
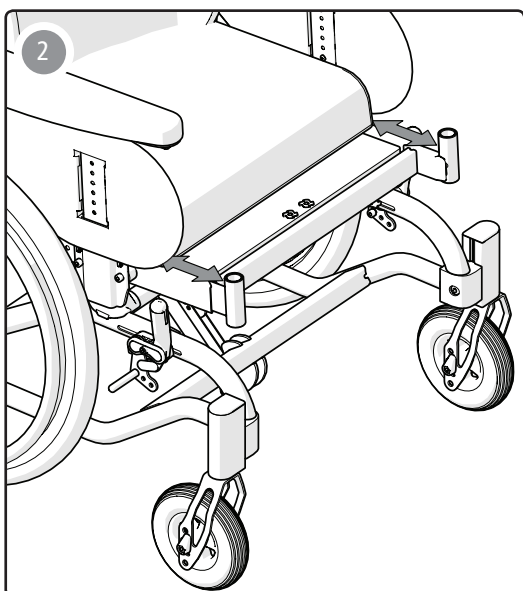
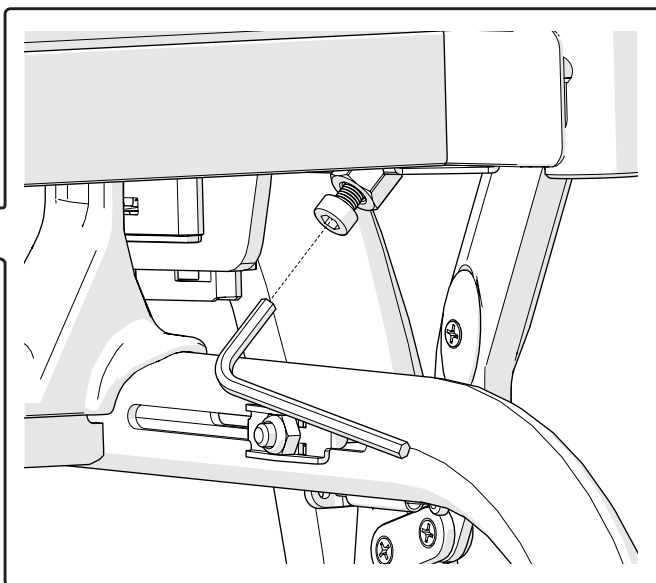
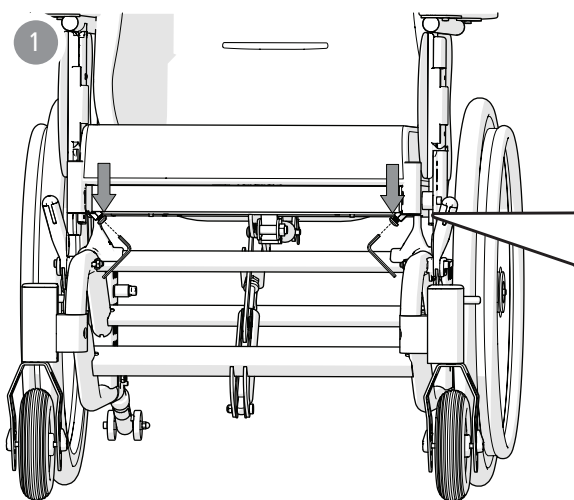
1. Loosen the screws on both sides of the seat.
2. Adjust the seat depth by pulling the seat out or by pushing it in.
3. The front seat depth can be adjusted by up to 7 cm.
Do not pull the seat out further than the "max. line".
4. Tighten the retaining screws



Bear in mind the risk of tipping.
Always check the positioning of the anti-tips.



5 mm



7. Settings

Seat depth, rear

The **seat depth** can be adjusted in three fixed positions by repositioning the back chassis and the rear seat plate.

1. Tilt the back support upwards.
2. Tilt the seat as far back as possible and remove the seat cushion.
3. Lift the seat plates off by loosening the screws on the bottom of the seat chassis.
4. Twist the anti-tips to one side.



Remember that the wheel positions might also need to be re-adjusted to achieve correct balance in the chair.



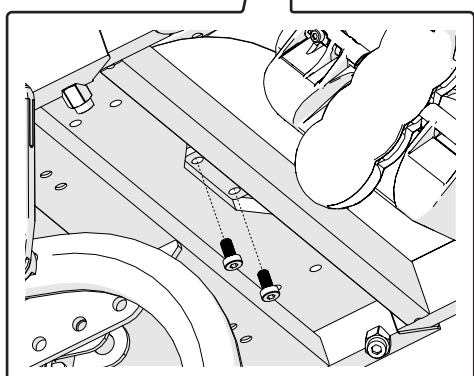
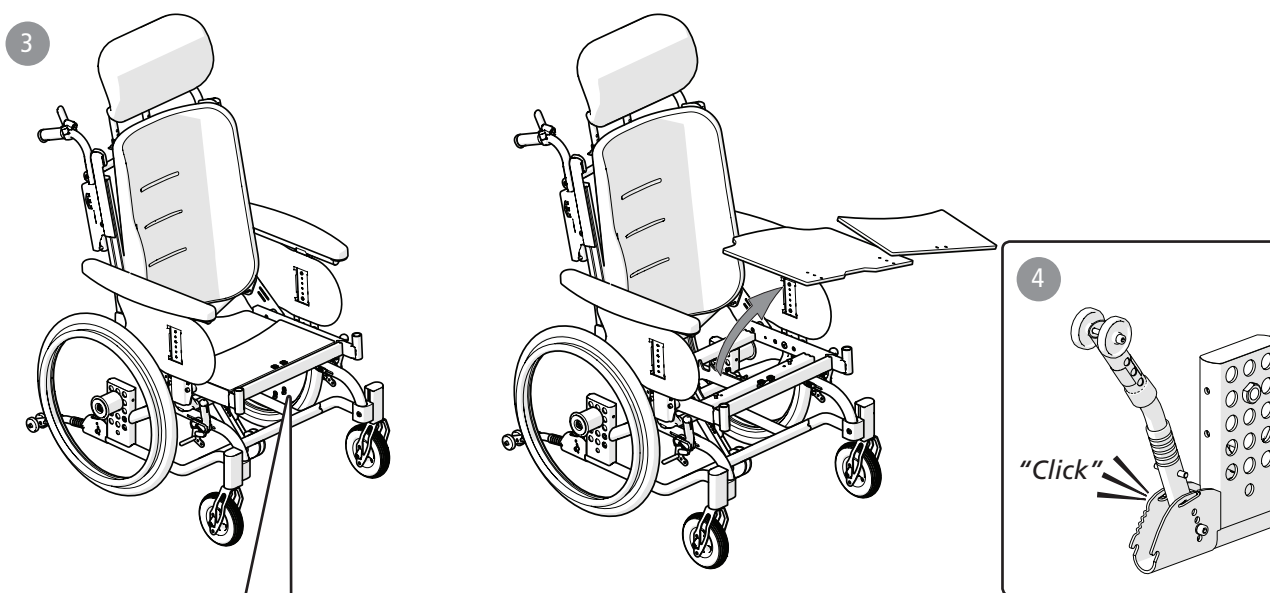
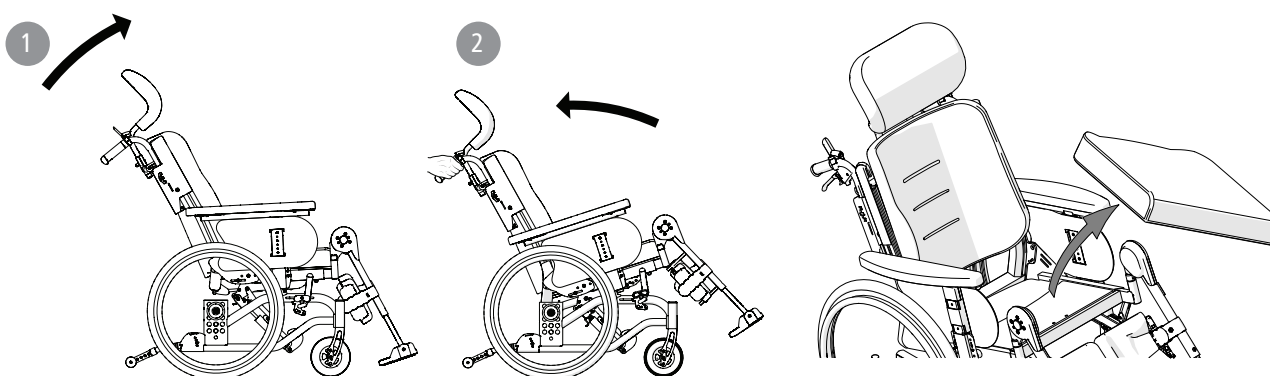
Bear in mind the risk of tipping. Always check the positioning of the anti-tips.



13 mm



5 mm



7. Settings

Seat depth, rear

5. Remove the rear wheels (not 16"). Remove one arm support and lock the back support angle using an Allen key or similar (later adjust the back support angle to align correctly with the hole).
6. Lie the chair down on its "back". Loosen the screw next to the gas piston's front attachment.
7. Loosen the screws on the side plates by approx. 1-2 turns. Loosen and remove the screws which hold the side plates in place. Support the back chassis while the screws are loosened. This will prevent the gas piston being damaged. Reposition to the required seat depth, insert and tighten the screws (see illustrations "Screw positions for seat depth").



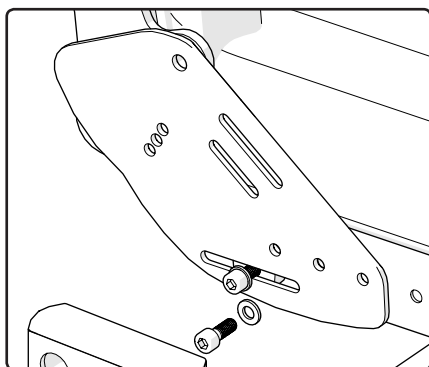
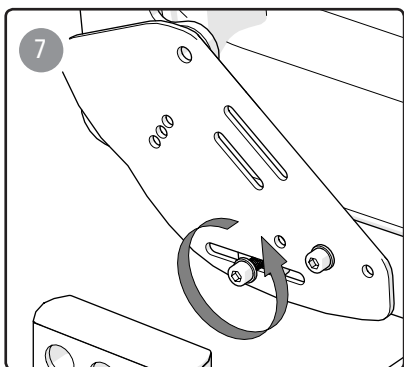
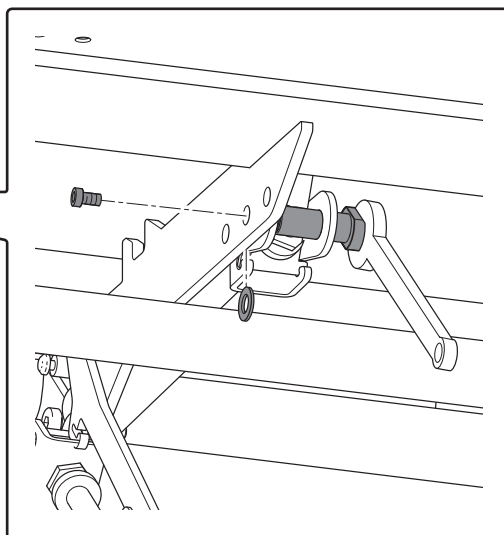
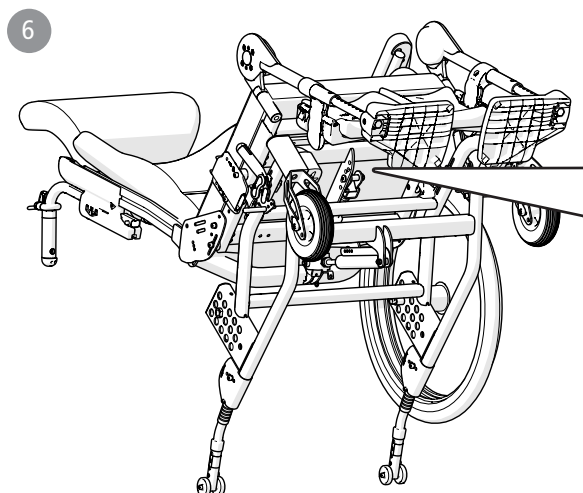
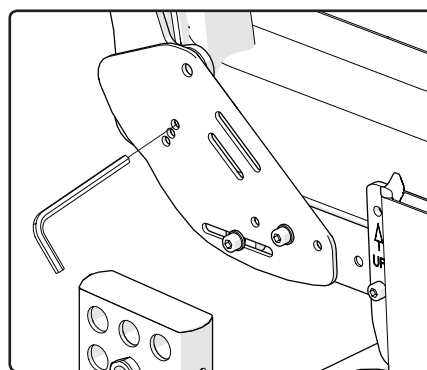
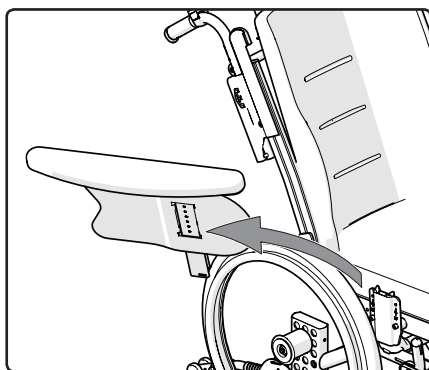
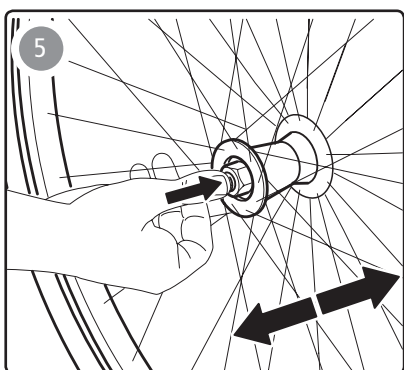
Bear in mind the risk of tipping.
Always check the positioning of the anti-tips.



13 mm



5 mm



7. Settings

Seat depth, rear

8. Secure the gas spring in accordance with the illustrations for "*Screw positions for seat depth*".

Do not forget the washer in between. NB! If fitted into the wrong hole, the back support adjustment will not function correctly.

9. Raise the chair up and remove the Allen key used to lock the back support angle.

10. Fit the seat plates in accordance with the illustrations for "*Screw positions for seat depth*". Start with the rear seat plate.

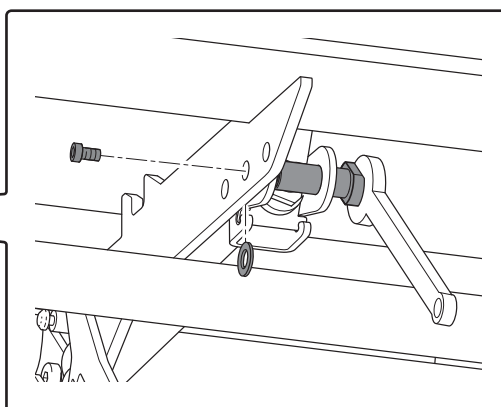
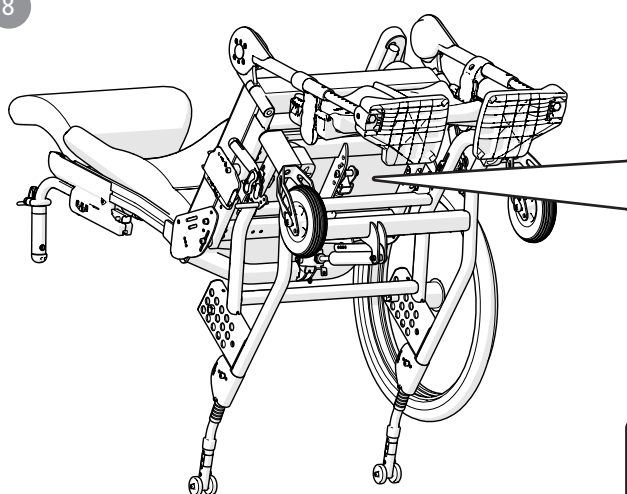
11. Fit rear wheels, arm support and seat cushion.

12. Engage the anti-tips and check the seat and back angling function.

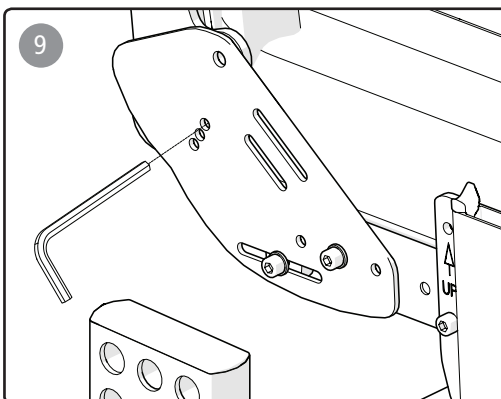


Bear in mind the risk of tipping.
Always check the positioning of the anti-tips.

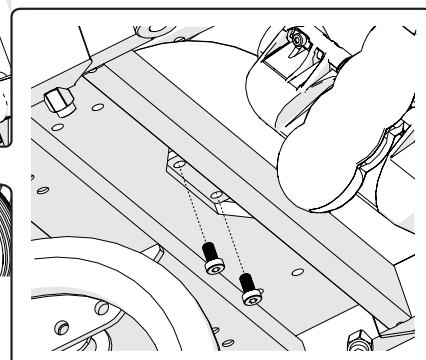
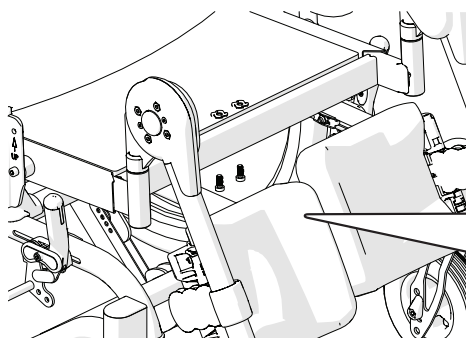
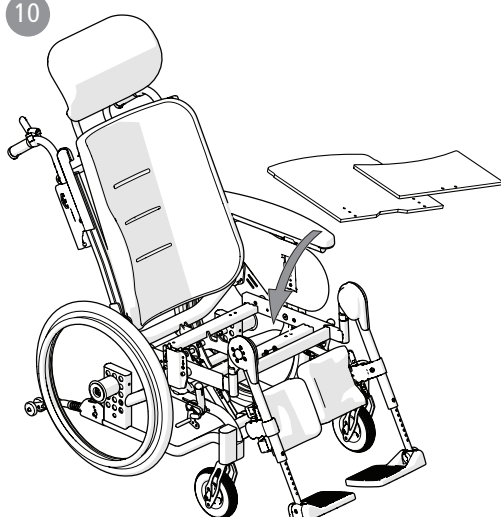
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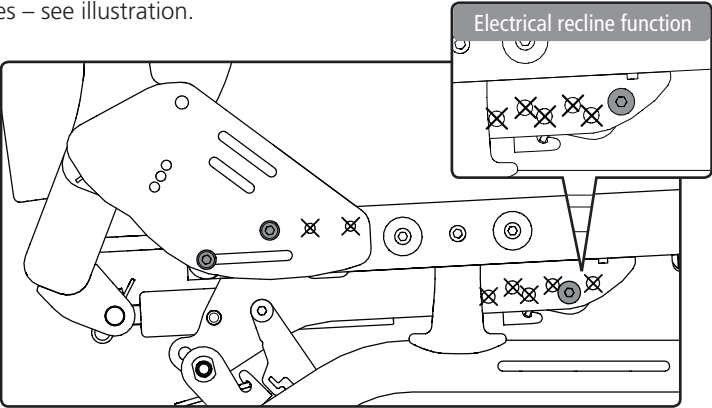


7. Settings

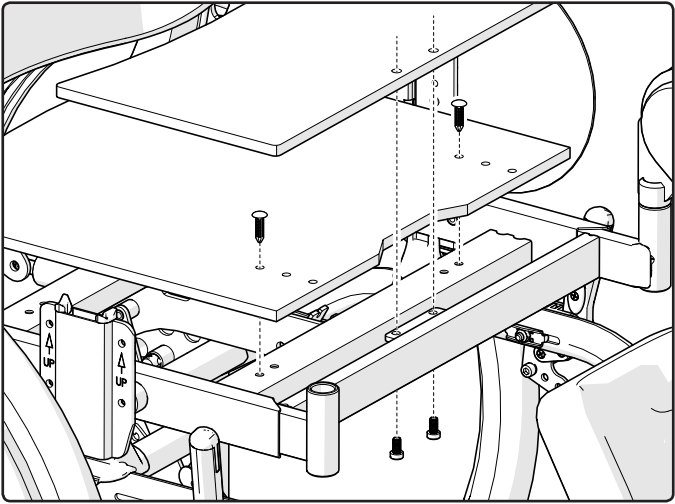
Screw positions for rear seat depth

Short seat depth 39-46 cm

Screw positions for side frame/gas piston attachment. NB For a chair equipped with electrical recline function, the above hole pattern applies – see illustration.

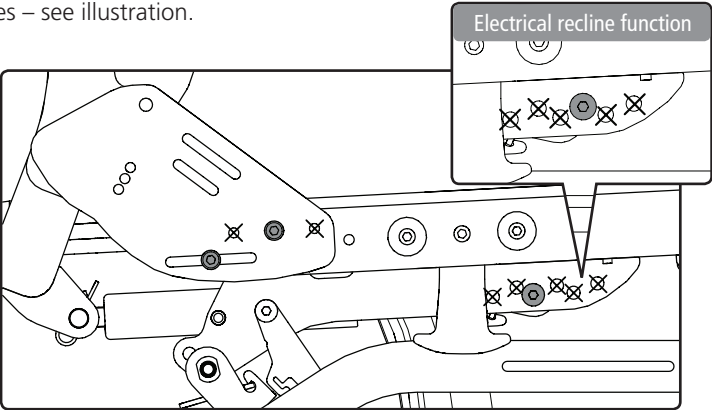


Screw positions seat board

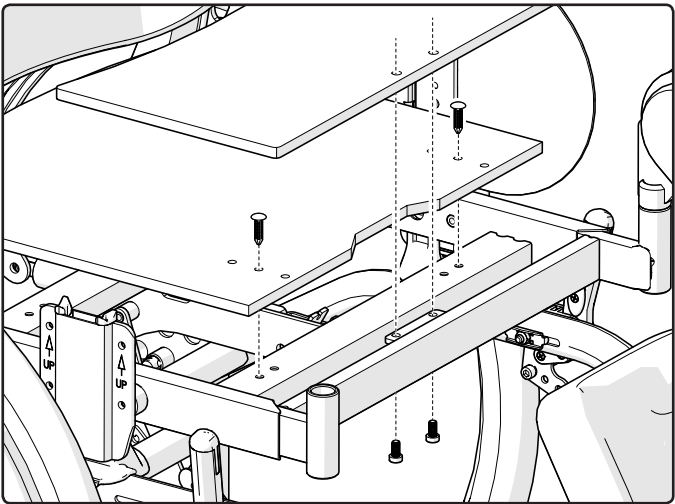


Medium seat depth 41.5-48.5 cm

Screw positions for side frame/gas piston attachment. NB For a chair equipped with electrical recline function, the above hole pattern applies – see illustration.

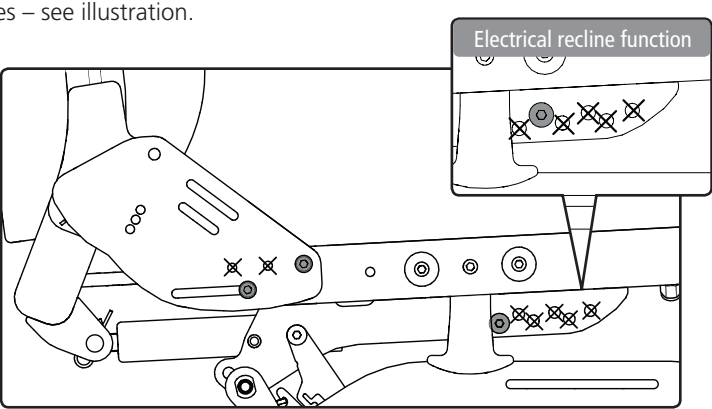


Screw positions seat board

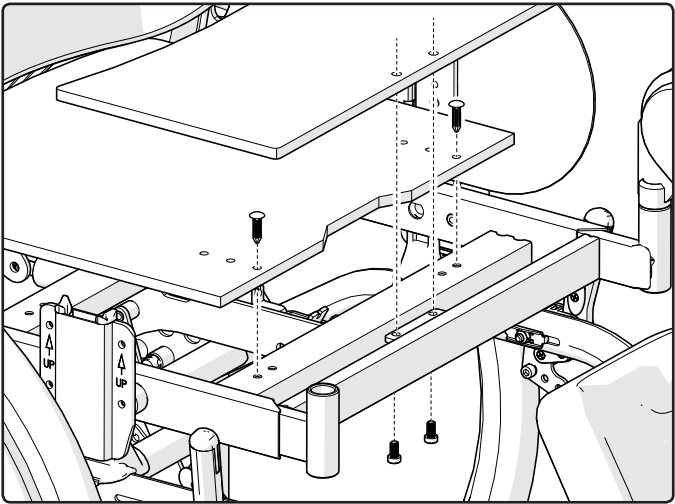


Long seat depth 44-51 cm

Screw positions for side frame/gas piston attachment. NB For a chair equipped with electrical recline function, the above hole pattern applies – see illustration.



Screw positions seat board



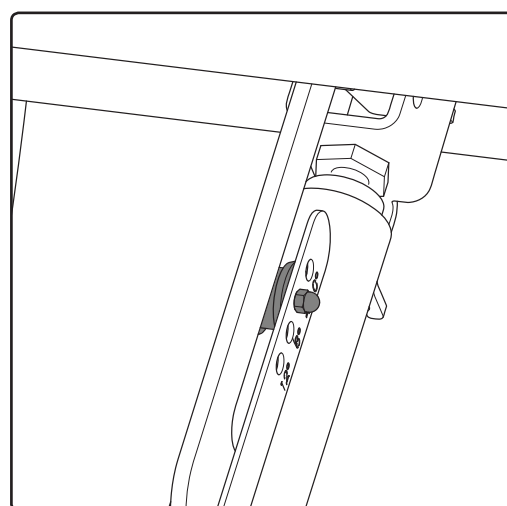
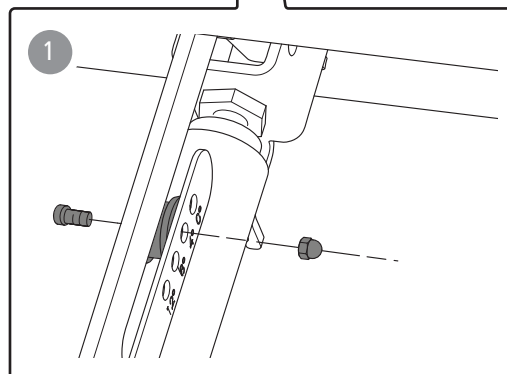
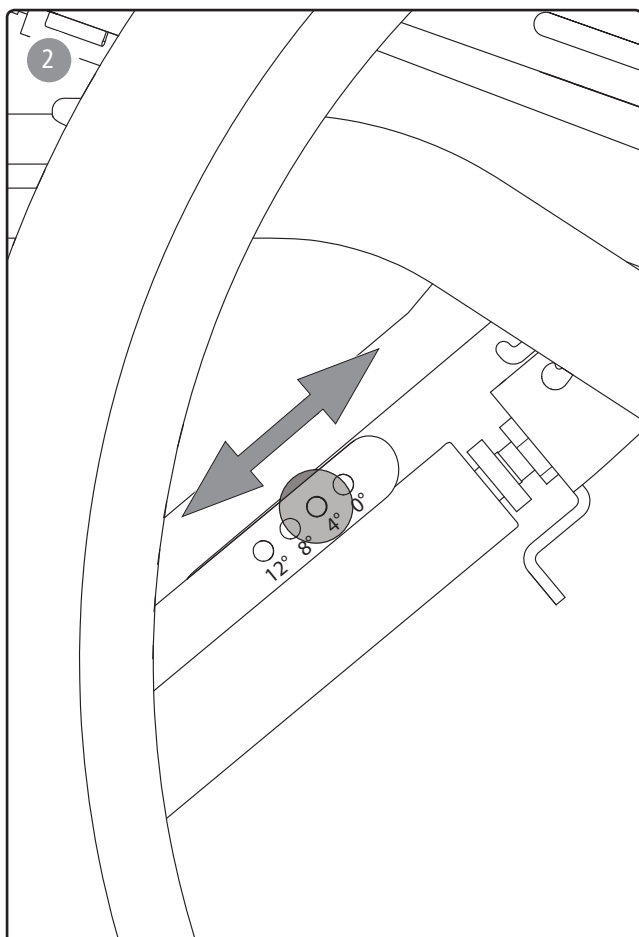
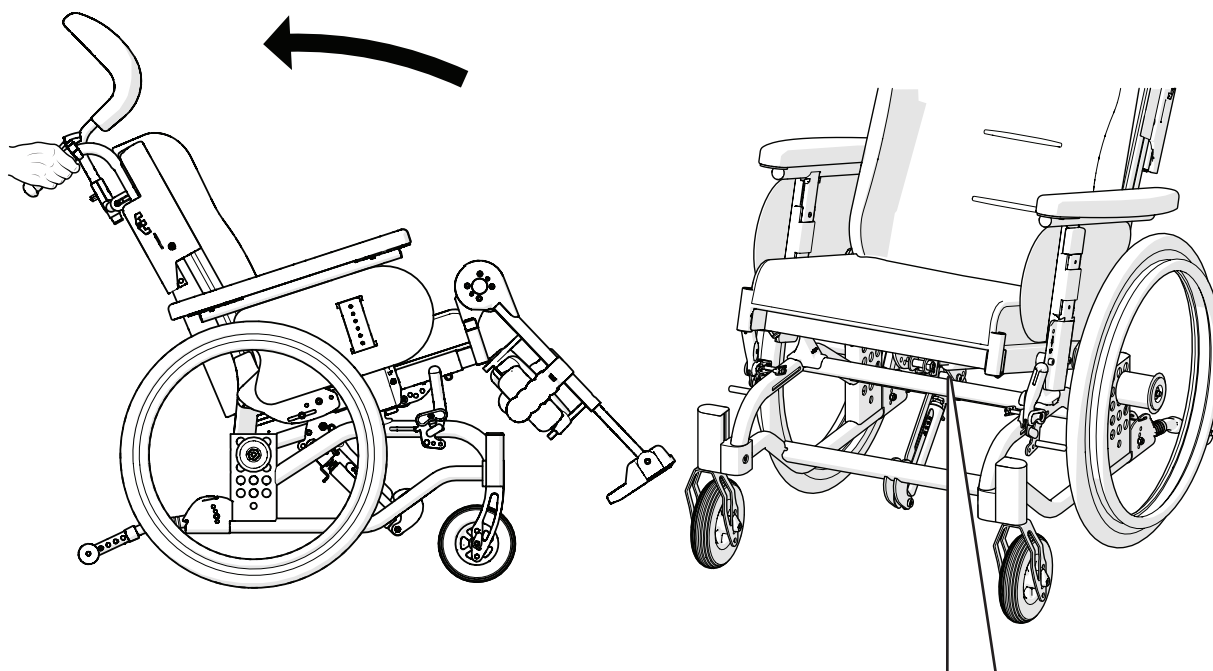
7. Settings

Adjustment of comfort lock

1. Undo screw and nut.
2. Adjust the seat angle for the comfort lock by moving and securing the ball bearing bushing. The different angle options are marked on the plate.



Bear in mind the risk of tipping.
Always check the positioning of the anti-tips.



8. Readjustments

Brake, adjustment

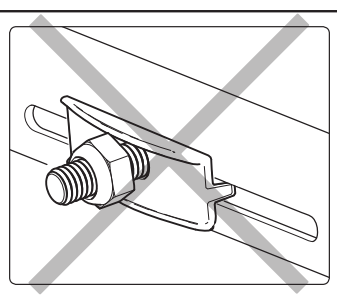
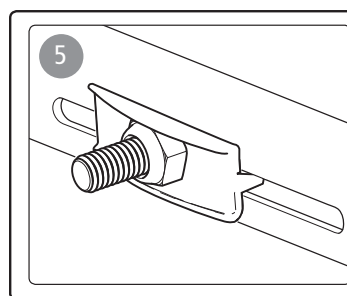
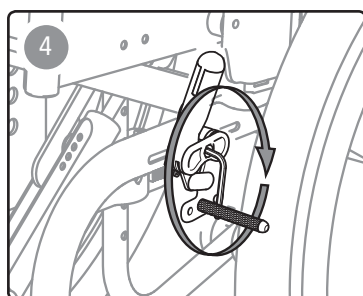
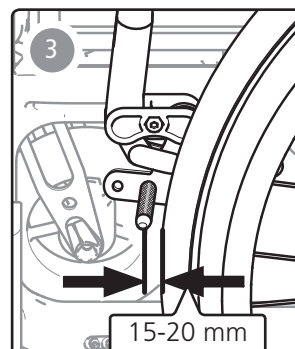
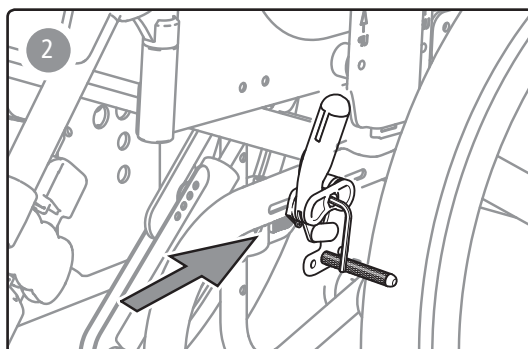
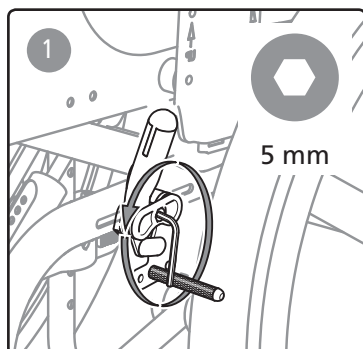
The brakes are variably settable

1. Loosen the screw a few turns.
 2. Adjust the brake position
 3. The brake block must be approximately 15-20 mm from the tyre when the brake is not being applied.
 4. Ensure that the brake is positioned straight in the track. Tighten the nut with approximately 5 Nm.
- Test the brakes!

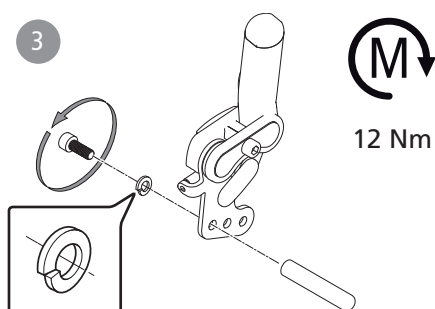
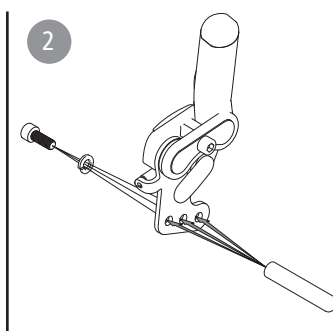
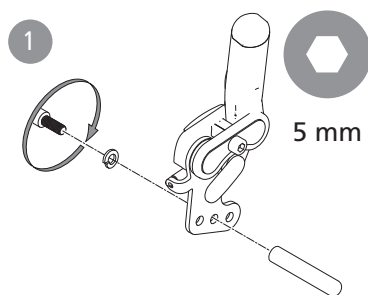
5. Make sure that the nut is positioned correctly and locks into the nut pocket on the inside.



The brakes are parking brakes and must not be used as motion brakes.



Brake lever adjustment

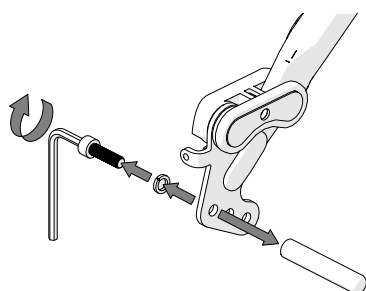


8. Readjustments

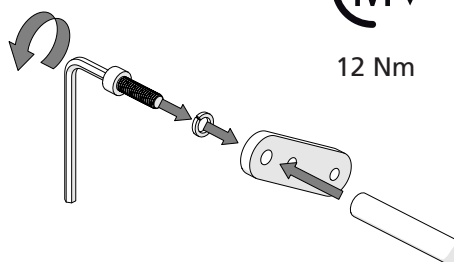
Brake, mounting and adjusting adapter

Brake adapter is required for the user brake to work with 20" and 22" rear wheels (certain positions, see section "Adjustment of the centre of balance").

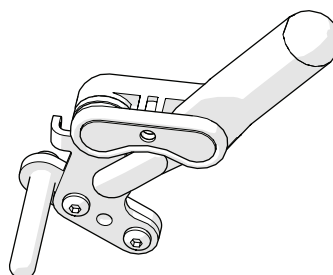
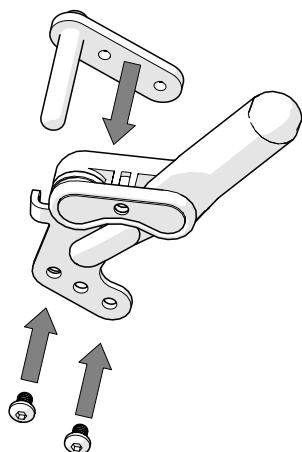
See also section "Brake, adjustment".



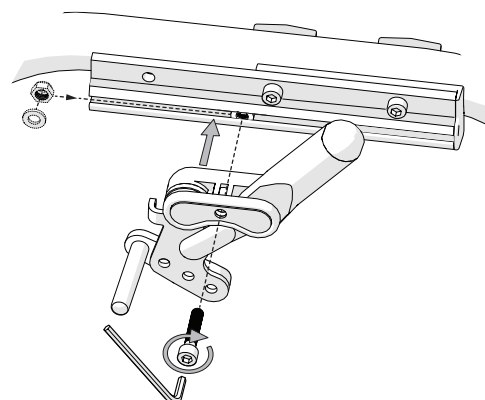
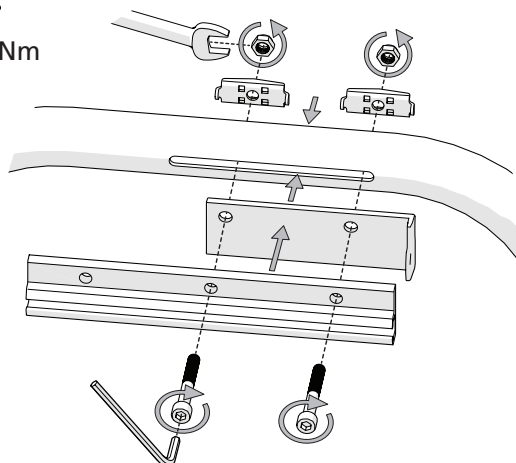
12 Nm



12 Nm



12 Nm



8. Readjustments

Adjustment of the centre of balance

The centre of balance is adjusted by changing the position of the rear wheels.

When the position of the rear wheels is moved forwards the wheel-chair becomes much more manoeuvrable, but the tendency to tip backwards increases.

- Move the hub sleeves/rear wheels forward or backward (pos 1, 2, 3).
See section "Seat height adjustment using the rear wheel position".
- Adjust the user brake, see Section "Brake, adjustment".

There are restrictions, see illustration.

X = inadequate user brake function

○ = brake adapter required, see section "Brake, mounting and adjusting adapter"



24 mm



17 mm



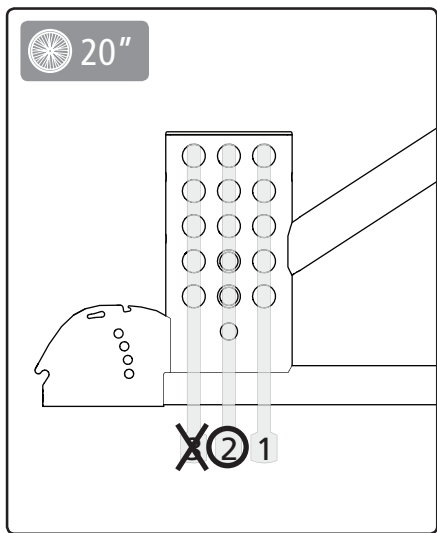
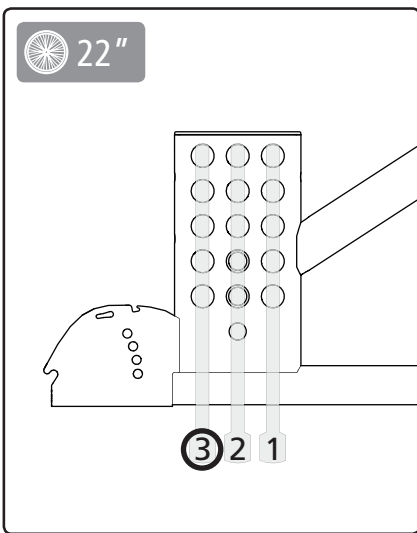
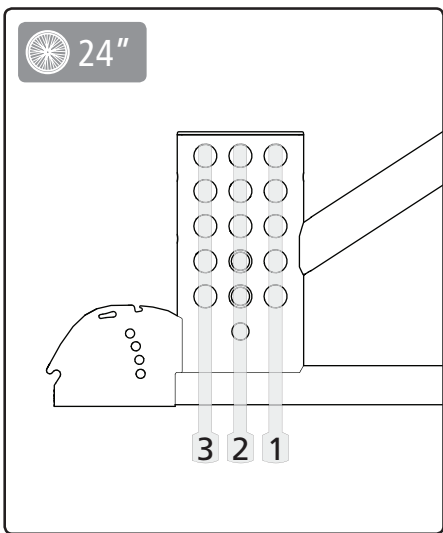
Bear in mind the risk of tipping.
Always check the positioning of the anti-tips.



Ensure that rear wheels with quick release hubs are mounted securely.



The centre of balance is also altered when the seat and/or back support angle are adjusted.



Amputee leg support



Never sit on the amputee leg support.



Don't lift the chair by the leg supports.

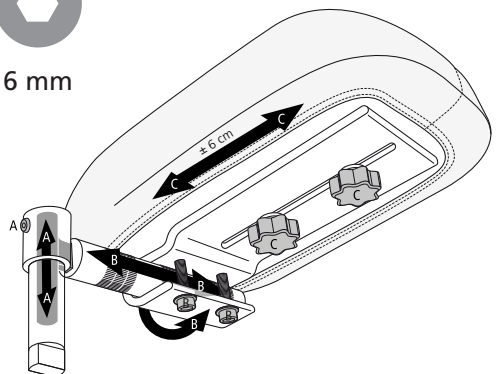


4 mm



6 mm

The amputee leg support is height, depth, angle and sideways-settable.



8. Readjustments

Elevating leg support with calf support

The calf support is height and depth-settable.

1. Loosen the screw, adjust the height of the calf support and tighten.
2. Loosen the screw that keeps the calf support in place.
3. Remove the screw and select the depth.
4. Insert the screw and tighten slightly. The calf support must be movable.



Never stand on the footplates as there is a risk of tipping!



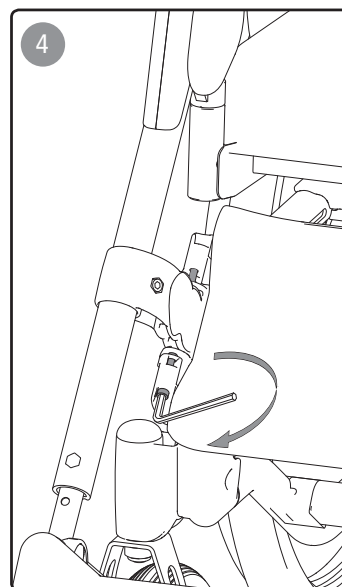
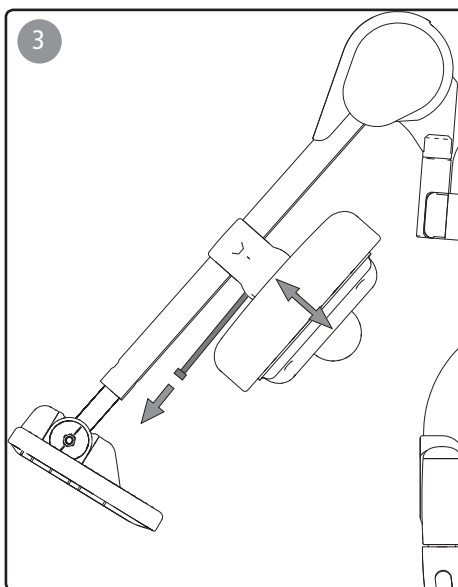
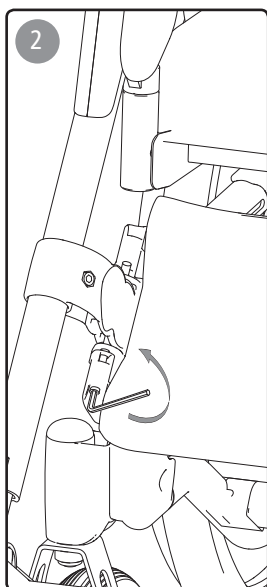
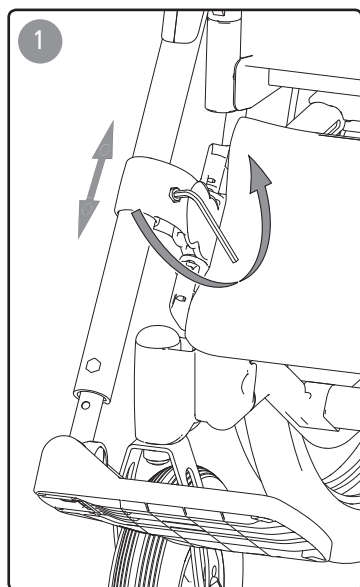
Don't lift the chair by the leg supports.



Always make sure that the screw and footplate knob are installed even if the footplate is not used.



5 mm



Anti-tips

The anti-tips are foldable, turnable and height-settable.



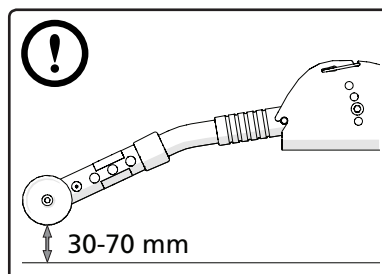
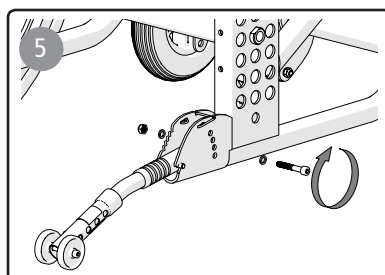
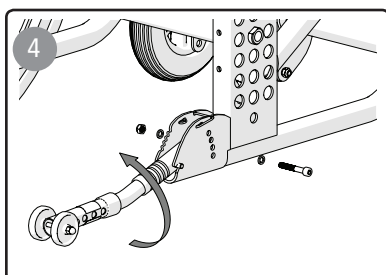
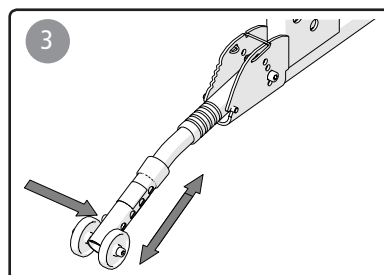
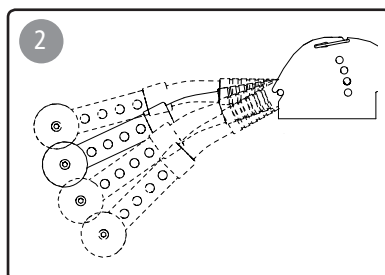
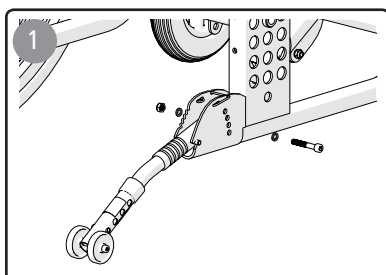
Bear in mind the risk of tipping.
Always check the positioning of the anti-tips.



5 mm



2 Nm



9. Accessories - adjustment, handling

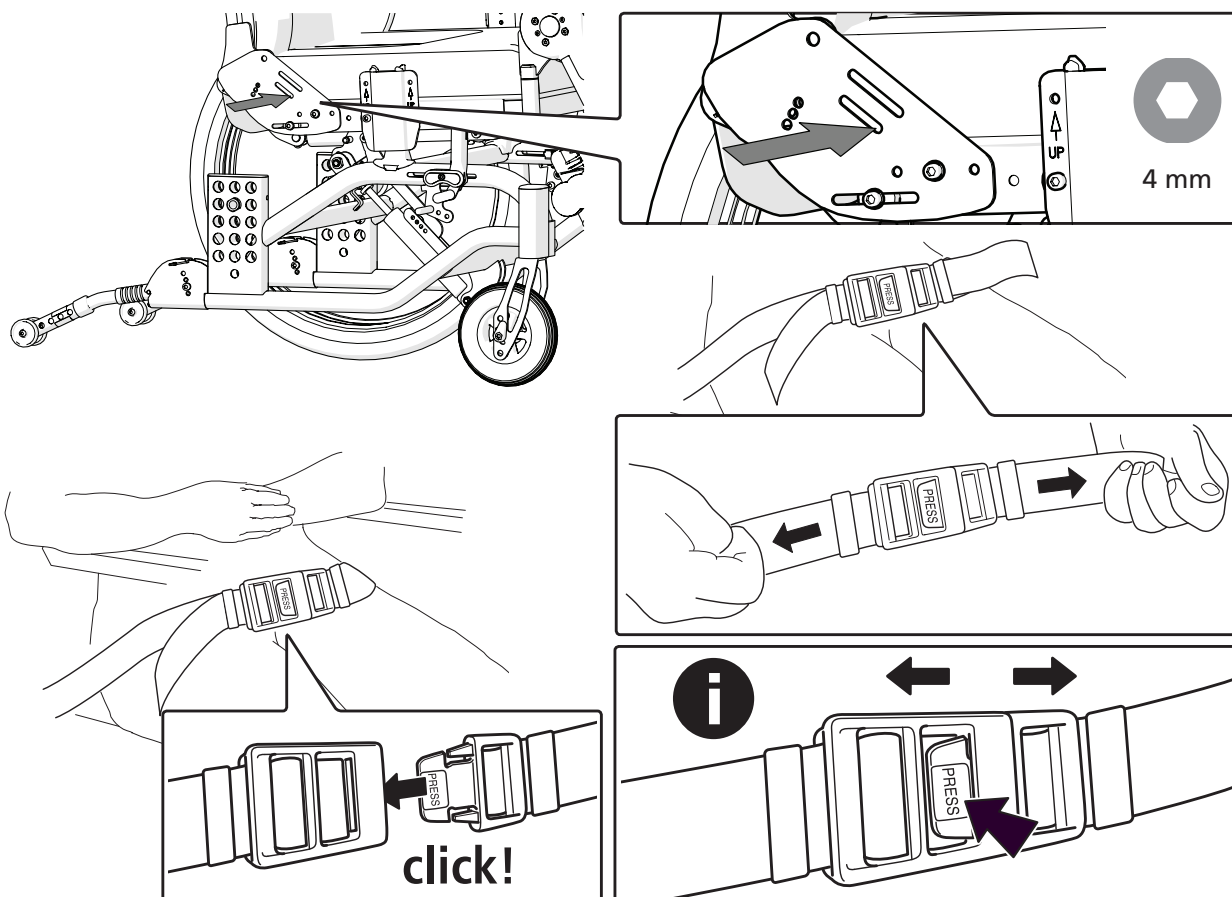
Assembly instructions are always provided with accessories when they are supplied by Etac.
Instructions are also available on our website www.etac.com

Positioning belt

The positioning belt is in two parts, length-adjustable and equipped with a snap lock. It is installed in the front part of the lower track in accordance with the illustration.



Ensure that the user does not slide forwards in the seat as this can lead to the belt impairing the supply of blood to the hip/waist area.



9. Accessories - adjustment, handling

Trunk support

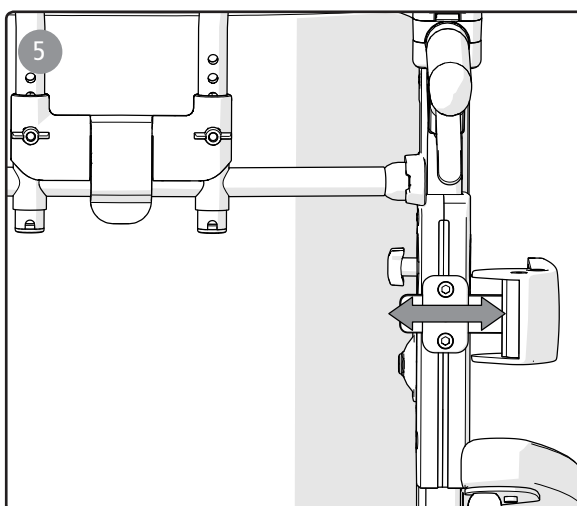
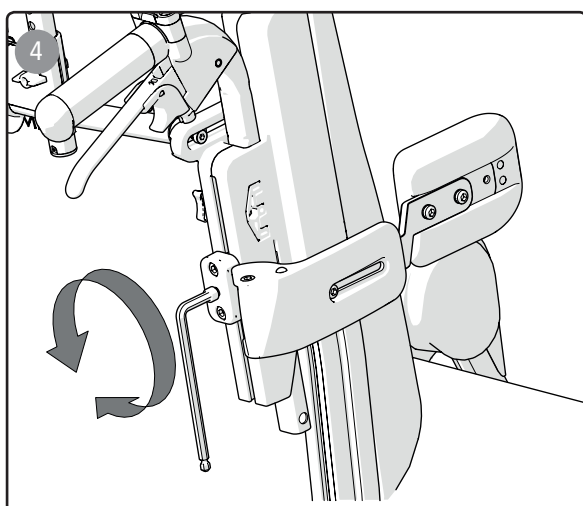
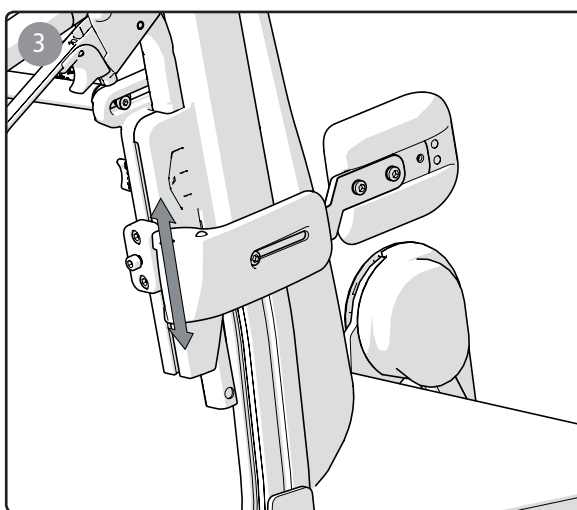
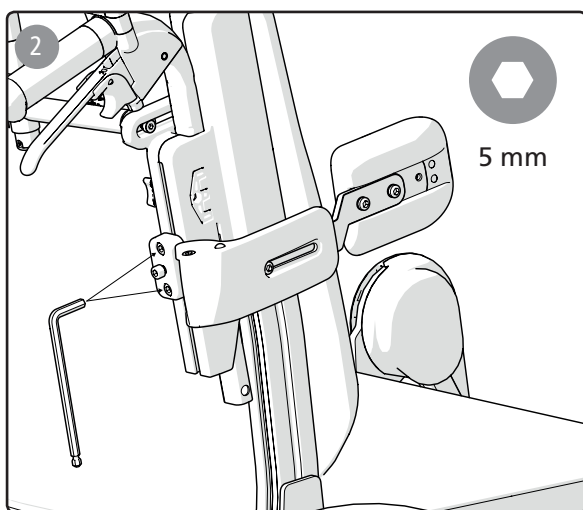
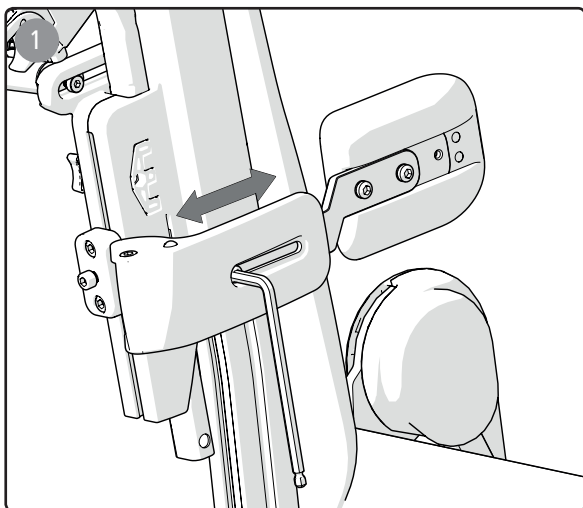
The trunk support is height and depth-adjustable and removable.

1. Loosen the screw on the side to adjust the trunk support depth.
2. Loosen the screws on the rear to:
3. adjust the trunk support height

4. Loosen the knob on the rear to:
5. adjust the sides of the trunk support.
6. remove the trunk support from the chair.



3 mm



10. Technical data

Type of chair	Art. no.	Total width	Seat height	Seat depth*	Effective seat width	Transport width	Weight**	Transport weight***	Max. user weight
40 cm	13420305	59 cm	38-52.5 cm	39-51 cm	40 cm	56 cm	33.5	22.9	135 kg
45 cm	13420309	64 cm	38-52.5 cm	39-51 cm	45 cm	61 cm	33.8	23.2	135 kg
50 cm	13420313	69 cm	38-52.5 cm	39-51 cm	50 cm	66 cm	34.1	23.5	135 kg
55 cm	13420317	74 cm	38-52.5 cm	39-51 cm	55 cm	71 cm	34.4	23.8	135 kg

Total length	Folded length	Seat angle	Back angling	Back support height	Handrim size	Leg support length
101.5 cm	86.5 cm	+3° — -20°	0° — -30°	55-70 cm	44.5-52.5 cm	33-61 cm

* The seat depth is measured from the front of the seat cushion to the middle of the back cushion.

** With arm supports, elevating leg supports, calf supports, rear wheels and anti-tips.

*** Without arm supports, head support, seat cushion, elevating leg supports, calf supports, rear wheels.

Max. incline sideways	Max. incline down
>20°	>20°

Chair with electrical back and seat recline function

Operating environment		
	Long-term/short-term storage and transportation	Operation
Temperature	-10 - +40	+5 - +30
Relative air humidity	20 - 90%	
Atmospheric pressure	700 - 1060 hPa	

If the chair has been stored at a low temperature, it must be adapted to the operating conditions before use.

Electrical drive system	
Supply voltage	100 - 240 VAC, 50/60 Hz (-15% +10%)
Maximum input current	3.9 A
Intermittent (periodic motor use)	5% 1 min constant use 19 min standby
Nominal voltage	25.9 V DC
Protection class	IPX6
	The part in contact with the patient meets the requirements for protection against electric shocks in IEC60601-1.
Degree of protection	Class 2
Battery type	Lithium ion

Complete information and user instructions for electrical components is available at www.linak.com, or contact your retailer or technical aids centre.

Electromagnetic compatibility (EMC)

This product has been tested and complies with the EMC limit values given in IEC 60601-1-2 for class B equipment.

This product has a very low radiation and should not interfere with other equipment.

11. Tests and Guarantees

CE marking, tests:

The product complies with the Medical Device Directive 93/42/EEC.

The products have been tested and comply with the requirements set out in EN 12183, which includes ISO 8191-2.

Combination agreements exist, see www.etac.com.

Etac's wheelchairs have been tested in accordance with ISO 7176-19. They have been crash-tested by the Technical Research Institute of Sweden. Testing has been carried out using restraining device UNWIN_WWR/ATF/K/R using a 3-point seat belt 907523, Klippan Safety AB.

Service life:

The anticipated durability and service life of the main product is at least five years when used as intended, and in accordance with the safety instructions, reconditioning manual and maintenance instructions available in the user manual. The main product comprises the seat and back chassis. Other parts/accessories are managed in accordance with the manual and reconditioning manual. The actual service life may vary depending on how often and how intensively the product is used, but is at most 10 years. If the product is intended for use after the service life period specified by Etac, it is the responsibility of the product owner to ensure product functionality in

accordance with the manual and reconditioning instructions. If this cannot be ensured then the product should be taken out of use.

The following methods of surface treatment have been used:

Lacquered surfaces = Polyester powder coating or ED lacquer
Non-lacquered aluminium parts = Anodised coating
Non-lacquered steel surfaces = Galvanised

Warranty:

5-year guarantee against material and manufacturing defects. For terms and conditions, see www.etac.com.

Special adaptations:

comprise everything that falls outside the instructions and settings in the manual. Wheelchairs specially adapted by customers are not eligible for Etac's CE marking. Etac's guarantee no longer applies. If there are any doubts concerning the adaptation, please contact Etac for advice.

If the wheelchair is used in combination with another product, neither product may keep the CE marking unless a combination agreement is in place. Please contact Etac for up-to-date information.

12. Service and maintenance

General

Product maintenance should be adapted to use. If there is a fault in your wheelchair, please contact your prescriber or technical aids centre. A defective wheelchair must not be used. If your chair needs reconditioning or repair, only original parts from Etac or components with equal quality should be used. Etac will not be held responsible for damage or injury caused by use of non-original parts.



When necessary lubricate moving parts/joints with bicycle oil or similar.



The product must be serviced by trained personnel only.

Washing the back support and seat

The back cover is made from two-ply polyester. It is removed by unscrewing the end terminations on the back rail. Then pull the cover upwards, remove the tension rods and wash in accordance with the washing instructions on the label. The covers for the seat and back cushion are removable and must be washed in accordance with the washing instructions on the label.

Rear wheel/caster

Spokes: Loose spokes can lead to wheel wobble. Consult a cycle dealer or technical aids centre if it is necessary to adjust the spokes.
Wheel axles: Clean the wheel axles from hair and dirt as necessary.
Ball bearings: Require no maintenance.
Handrims: If a handrim is damaged in such a way that it can cause hand injuries, it should be replaced.

Brakes

Heavy dirt can have a negative effect on the brake mechanism. In the event of adjustments, see Section "Brakes, adjustment".

Washing the frame

It is important, both for the sake of hygiene and for the longevity of the chair, that the wheelchair is kept clean. It is equipped with a drainage hole which ensures that it is easy to wash and dry.

Clean the frame with a non-abrasive cleaning agent with a pH level between 5 and 9, or with a 70% disinfectant solution. Rinse and dry.

Chair with electrical back and seat recline function

Electrical components conform with protection class IPX6, which means the product may be cleaned with a brush and water. Do not rinse electrical components with a pressure washer. Maximum washing temperature 20°.

Do not use chemicals on electrical components. The battery charger must not be connected. Internal cables must be connected. Retract the actuator to the innermost position to avoid degreasing of the piston rod. For washing in a cabinet washer-disinfector, all electrical components must be disconnected. See separate service manual at www.etac.com.

Storage

Wheelchairs that are not used must be stored indoors.

Touch-up paint

For minor scratches and paint damage, touch-up paint is available.

Separation at source/Waste

The product should be sorted in accordance with national regulations.

Batteries: hand in to battery recycling.

Motor and control box: hand in to electronics recycling.

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