



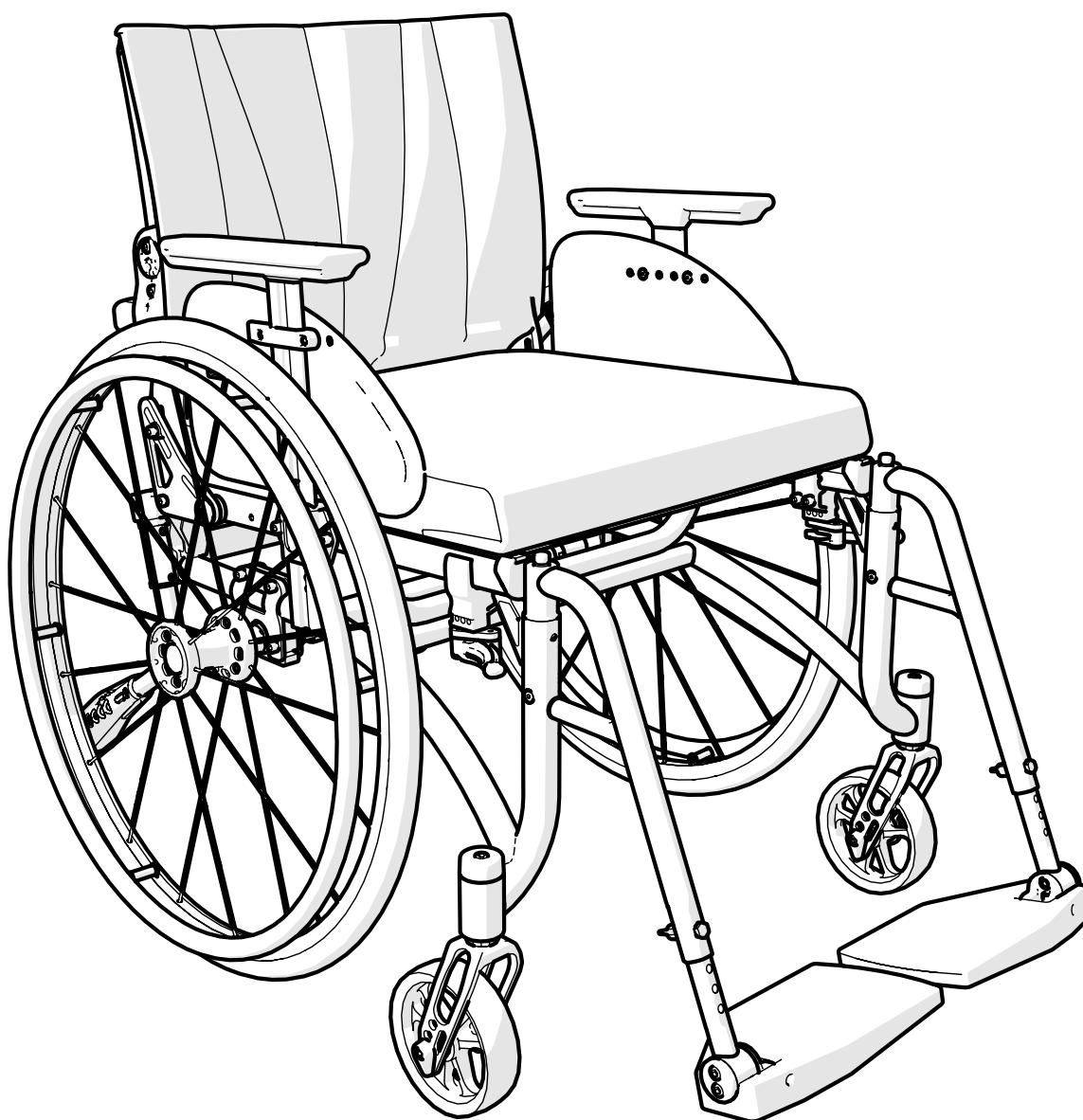
User manual

Xact

etac[®]
Creating Possibilities

75474 2025-03-25

Version 5



en



www.etac.com

MD

CE

Contents

1. General

Product description	3
Intended purpose	3
Intended user group	3
Intended environment	3
Intended application	3
Expected service life	3
Indications	3
Contraindications	3
Warnings	3-4
Declaration of conformity	4
Pre-purchase information	4
Adverse event	4
Customisation	4
Combinations	4
Miscellaneous	4

2. Description

.....	5
-------	---

3. Symbols, labels

.....	6
-------	---

4. Technical data

.....	7
-------	---

5. Seat options

.....	8-9
-------	-----

6. Accessories

.....	10-11
-------	-------

7. Assembly upon delivery

.....	12
-------	----

8. Operation

Folding back support	12
Anti-tip guard	12
Rear wheel with quick-release	13
Leg supports	13-14
Push handle/bow handle	15

9. Seating comfort settings

.....	16-18
-------	-------

10. Driving technique, use

.....	19-22
-------	-------

11. Advanced settings, adjustments

Seat height, seat height table	23
Disassemble/assemble the front fork	24
Disassemble/assemble the castor wheels	24
Change the rear wheel position, centre of balance	25
Height adjustment, rear wheel bracket..	26-27
Replacement of rear wheel bracket, stan- dard to high (adjust seat height)	28-33
Replacement of rear wheel bracket, high to standard (adjust seat height)	34-38
Adjust back support angle	39
Adjust back support height and lumbar angle	40
Adjust seat depth	41
Rear wheel with quick release	41

12. Settings, readjustments

Brake (scissor brake), adjustment	42
Brake (knee brake), adjustment	43
Leg support, adjustable angle	44
Amputee leg support	44
Anti-tip guard	45
Handrims	45
Arm support	46
Mudguard	46

13. Settings, accessories

Seat cushion and comfort wedge	47
Positioning belt	48
Head support bracket	49
Head support	49

14. Service and maintenance

Cleaning, disinfection and other maintenance	50
Warranty	50

15. Transport, storage and disposal

Storage	51
Transportation in vehicles	52

16. Troubleshooting chart

.....	53
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1. General

Thank you for choosing an Etac product. In order to avoid damage during assembly, handling and use, it is important to read this manual and save it for future reference. You can also find it at www.etac.com. You can select your language via the “International” and “Local websites” link. Here you will also find other product documentation, such as prescriber information, pre purchase guide, and reconditioning instructions.

In this manual the User is the person with disability for whom the assistive product is intended. The assistant is the person supporting the user.

Product description

Xact (hereinafter also referred to as “the device” or “the product”) is a manual wheelchair with a fixed frame and swing-away leg supports. Xact is adaptive and configurable through adjustable settings, options and accessories.

Intended purpose

Xact is an assistive device intended for the alleviation of or compensation for a physical impairment due to an injury or disability. The device is designed for mobility. The device is designed for hand and/or foot propulsion and/or to be pushed and steered by an assistant.

Intended user group

The user group for the device is based on the individual’s functional ability and not on a specific diagnosis, health condition or age. The device is intended for individuals with a height of 146 cm or more, or a mass of 40 kg or more.

Secondary users of the device are attendants providing assistance and clinicians/technicians who set up the device.

Intended environment

The device is intended for indoor and outdoor use on levelled ground and accessible terrain. It is not to be exposed to salt water. The device has fixation points for transport in motor vehicle.

Intended application

The device is intended for short-term and long-term use. The device is intended to be used with a seat cushion. The device is intended for refurbish and reuse. Follow the instructions in “Reconditioning instruction, Etac manual wheelchairs” on www.etac.com.

Expected service life

The expected service life of the device is 5 years. Preventive maintenance is recommended. Lack of maintenance may reduce the expected service life of the device. For full information on

the expected service life, see www.etac.com.

Indications

Indication for use is disability, including, but not limited to, an impaired ability to ambulate.

Contraindications

There are no known contraindications.

Warnings

Warnings describing a risk element for a specific action or setting of the device can be found in the relevant section.



Ignoring the instructions for use may result in injury.



Do not leave the device in direct sunlight. A hot device may cause burns



Tipping risk. Inactivated anti-tips will increase the risk of injury. Activate the anti-tips to avoid the risk of tipping.



A defective device must not be used. Risk of injury.



This device can be adjusted beyond safe use. Adjustments should only be carried out by a person who understands the use of the device.



Do not lift the wheelchair by the leg supports. Risk of injury.

1. General



Do not stand on the foot plates.
Risk of injury.



Do not use wheelchair with One Arm Drive as seat in a motor vehicle. Risk of injury.



Do not lift the wheelchair by the head support mount. Risk of injury.



Do not lift the wheelchair by the cross-bar. Risk of injury.



Check that the lockable leg supports are locked before lifting. Risk of injury.



When attaching the rear wheels, make sure that the quick-release button fully returns. Test by pulling the wheel. Risk of injury.



Fingers can be injured if they get between the spokes. Spoke protection is available as a means to prevent injury.

Miscellaneous

Etac regularly improves 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 are not responsible for printing errors or incomplete information.

Declaration of conformity

The product complies with the requirements of MDR (EU) 2017/745.

The product has been tested and complies with the requirements of EN 12183 and ISO 7176-19.

Pre-purchase information

Available at www.etac.com.

Adverse event

In case of an adverse event occurred in relation to use of the device, it must be reported to your local dealer and the national competent authority in a timely manner. The local dealer will forward information to the manufacturer.

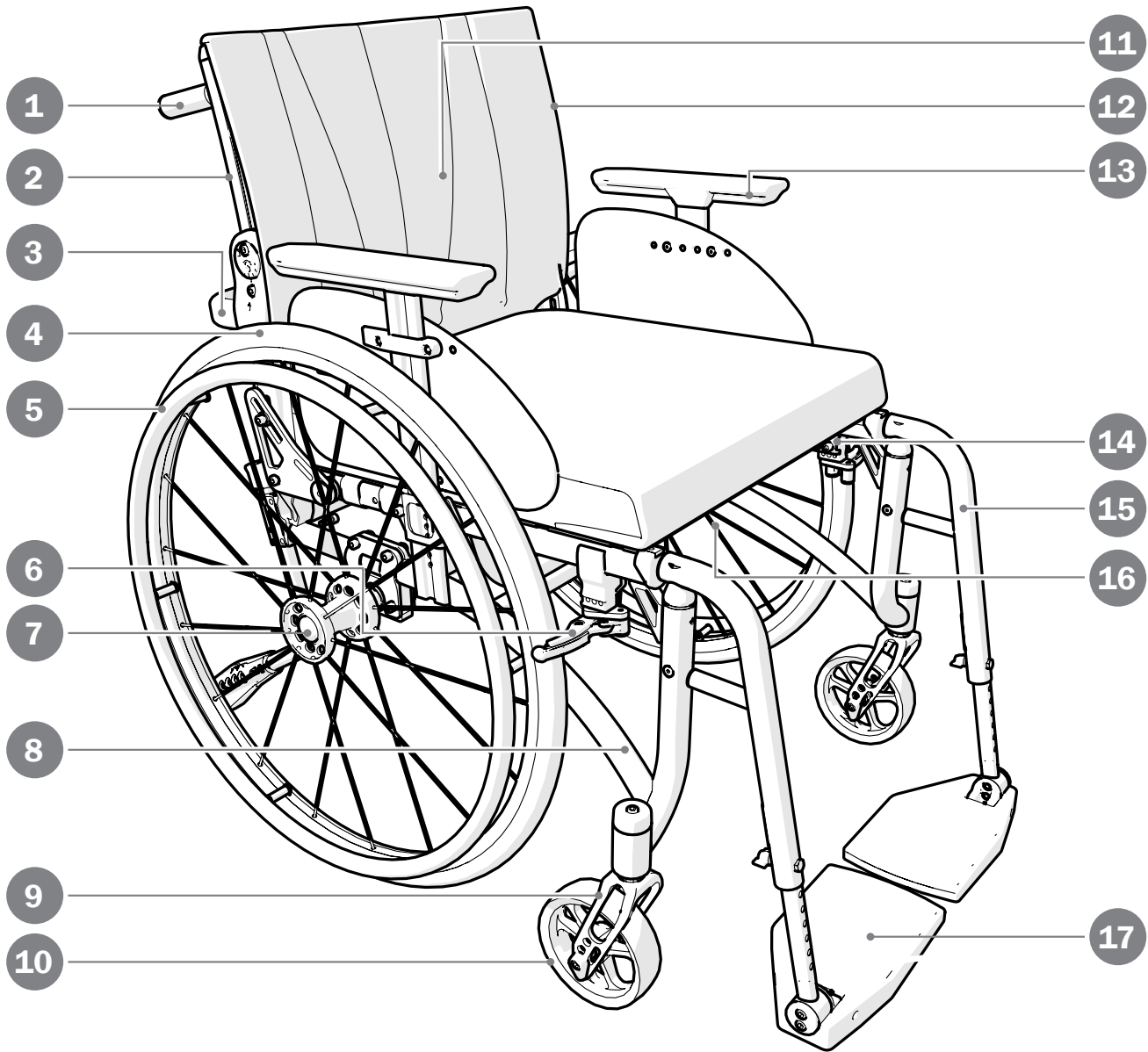
Customisation

Actions outside the instructions and settings in the manual will invalidate the CE marking according to MDR 2017/745 and void the warranty.

Combinations

Combinations between Etac devices and devices from other suppliers are presented in the combination list on www.etac.com.

2. Description



- | | | |
|----------------------|-----------------------------|---------------------|
| 1. Push handle | 8. Frame | 14. Seat upholstery |
| 2. Back rail | 9. Front fork | 15. Leg support |
| 3. Crossbar | 10. Castor wheel | 16. Product label |
| 4. Rear wheel | 11. Back support cover | 17. Foot plate |
| 5. Handrim | 12. Back support upholstery | |
| 6. User brake | 13. Arm support | |
| 7. Quick-release hub | | |

3. Symbols, labels

Symbols

These symbols appear in the user instructions.



Warning!
Danger when
used incorrectly!



Useful advice
and tips



Materials
for recycling



The part is not
locked and can be
moved/adjusted



The part is locked
and cannot be
moved/adjusted



Scan the QR code
next to the symbol
to view video



Shows option **1**
of two available



Shows option **2**
of two available

Symbols

These symbols appear on labels on the product.



Risk of tipping!
Make sure that
the anti-tip guards
are activated.



Detachable
part, do not lift!



Must not be used during
transportation in motor
vehicles (applies with
certain accessories).
(Red, white and black).

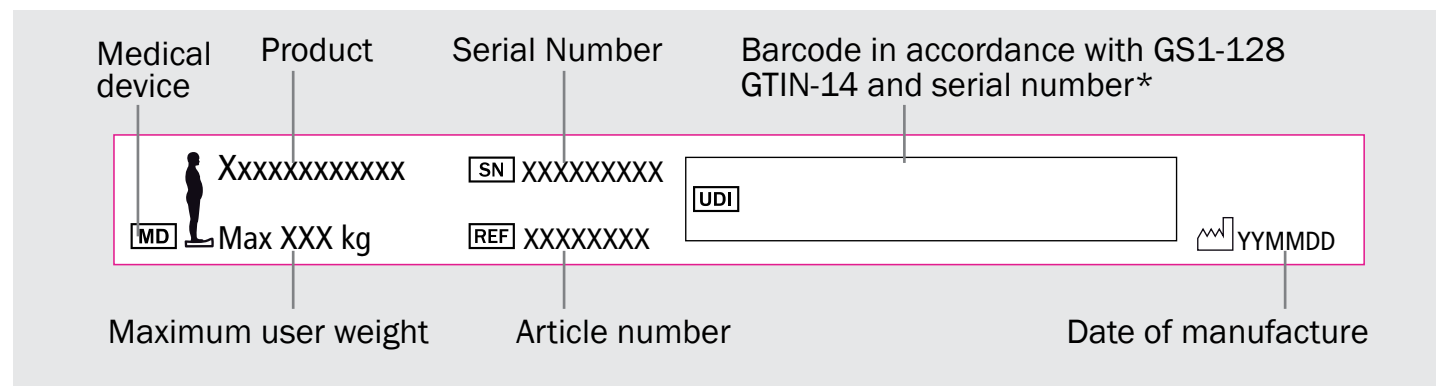


Anchor point.
Fixing points for the
restraining system
during transportation
in motor vehicles.



The product
complies with
ISO 7176-19.

Product label



*The product's date of manufacture can be read from the barcode on the product. The number 11 is shown below the barcode in brackets. The number combination after these brackets is the date of manufacture.



Tools

These tools are needed to perform the adjustments shown in the user instructions.



Allen key 3 and 5 mm



Ring spanner 10 mm










Socket wrench 19 mm


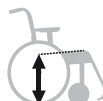







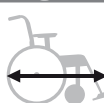






Screwdriver Ph 2

4. Technical data

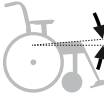
Seat type	Art. no.	Total width	Seat depth from back tube*	Weight	Max. user weight	Transport weight
						
35 cm std.	13250101	550 mm	380-460 mm	9.8 kg	100 kg	5.4 kg
35 cm short	13250102	550 mm	350-430 mm	9.8 kg	100 kg	5.4 kg
37.5 cm std.	13250103	575 mm	380-460 mm	9.9 kg	100 kg	5.5 kg
37.5 cm short	13250104	575 mm	350-430 mm	9.9 kg	100 kg	5.5 kg
40 cm std.	13250105	600 mm	380-460 mm	10.0 kg	100 kg	5.6 kg
40 cm short	13250106	600 mm	350-430 mm	10.0 kg	100 kg	5.6 kg
42.5 cm std.	13250107	625 mm	380-460 mm	10.1 kg	100 kg	5.7 kg
42.5 cm short	13250108	625 mm	350-430 mm	10.1 kg	100 kg	5.7 kg
45 cm std.	13250109	650 mm	380-460 mm	10.3 kg	135 kg	5.8 kg
45 cm short	13250110	650 mm	350-430 mm	10.3 kg	135 kg	5.8 kg
47.5 cm std.	13250111	675 mm	380-460 mm	10.4 kg	135 kg	5.9 kg
47.5 cm short	13250112	675 mm	350-430 mm	10.4 kg	135 kg	5.9 kg
50 cm std.	13250113	700 mm	380-460 mm	10.5 kg	135 kg	6.0 kg
50 cm short	13250114	700 mm	350-430 mm	10.5 kg	135 kg	6.0 kg



Weights apply to chair with 24" Maxx rear wheels, high-pressure tyres, hard aluminium handrims, leg supports, foot plate, and scissor brake. Dimensions stated may vary $\pm 2\%$.

Front seat height	Rear seat height	Back support height	Back support angle	Lumbar angle	Transport width	Total height
						
405-505 mm	375-475 mm	320-450 mm	-14° - +11°	+/- 16°	SW+180 mm	705-885 mm

Total length**	Leg support length	Length when folded	Leg support angle	Max. incline sideways	Max. incline downwards	Max. incline brake
						
830-930 mm	300-455 cm	690 mm	108°-114°	>20°	>20°	7°

**With 24" wheels and narrow leg supports

Seat angle

4°

Tyres	
High-pressure	
PSI/Bar	110/7.5
	451/501/540/559 mm
	25 mm

The following surface treatment methods have been used:

Varnished surfaces = Powder-applied polyester or ED varnish

Unvarnished aluminium parts = Anodising

Unvarnished steel surfaces = Galvanised

5. Options

In the “Chair options” section, you can see all the adjustments that can be made to the wheelchair. There are also so-called “Odd combinations”, e.g. in terms of rear wheels, castor wheels and back support model. Please contact customer service.

For more information about wheelchair options, see www.etac.com

Seat height	Front	40.5-50.5 cm	
	Rear	37.5-47.5 cm	
Seat angle	4° (fixed angle)		
Castor wheels	5" 125x28		
	4" 100x34 (max. user weight 100 kg)		
	5" 125x34		
	6" 150x34		
Front fork	XS (three height positions)		
	S (four height positions)		
	S+25 (four height positions)		
Rear wheels	20" C6		
	22" Maxx		
	24" Maxx		
	25" Maxx		
Handrims	Hard anodised aluminium 22"-25"/Aluminium 20"		
	Plastic-coated 20"-25"		
Camber	2°		
Seat	Adjustable seat upholstery		
Back support		Back 3A	
	Height	32-45 cm	
	Hip angle	Back support angle -14° - +11° (starting point 90° to seat tube), gives hip angle 76°-101°	
	Lumbar angle	-16° - +16°	
Seat depth	Short seat depth 35 - 43 cm		
	Long seat depth 38 - 46 cm		
Back support upholstery	Adjustable upholstery		
Back support cover	Airmesh		
Back support Axiom	Different widths, heights and contour are available		
Push handle/ Bow handle	Height-adjustable push handle, active		
	Swing-away, height-adjustable push handle		
	Fixed to 3A back		
	Height-adjustable bow handle		
	Height-adjustable bow handle, angle-adjustable		

5. Options


Leg supports	Narrow knee angle active	
	Narrow knee angle	
	Narrow knee angle short	
	Wide knee angle	
Leg supports Lockable	Narrow knee angle	
	Narrow knee angle short	
	Wide knee angle	
Leg supports Angle-adjustable	Angle-adjustable with folding calf supports	
Amputee support	Amputee leg support	
	Amputee weight	
Arm support	Active height-adjustable, 25 cm long, solid plate, black. Maximum arm support height 29 cm	
	Active height-adjustable, 38 cm long, solid plate, black. Maximum arm support height 29 cm	
Foot supports	Medium Max. length: 51 cm. Min. length: 33 cm.	
	Shortened attachment tubes -8 cm (standard version)	
	Extended attachment tubes +10 cm	
	Full foot plate	
User brake (scissor brake)	Only in combination with pneumatic tyres.	
User brake (knee brake)	Angled red handle	
	Angled black handle	
	Extended handle	
	Single-hand brake (standard or angled handle)	
Attendant brake	Brake handle 100 mm opening grip	
Single-hand operation	For right or left side. Possible with seat heights 375-450 mm	
Frame colour	01 = Black	

6. Accessories

Assembly instructions are included with all accessories when they are delivered from Etac. You can find them and more information about the accessories on our website www.etac.com.
 Settable= Adjusted using tools. Adjustable= Adjusted without tools.

Arm support cover	Removable, 25 or 38 cm long padded or gel, dark grey plush or black Dartex. Compatible with arm supports with solid plate.	
Hemiplegic arm support cushion		
Mudguard	Adjustable in height and depth (conflict with knee joint brake may occur in certain rear wheel positions)	
Side support		
Side guard pad	Reduces the width between the arm supports	
Knee support, outer	Padded. Provides lateral support for knees and thighs. Not in combination with Leg support, narrow knee angle active	
Tray	To be mounted on long arm supports	
Hemi tray/Communication table, half	Right/left	
Hemi tray	Transparent, Width 35-50 cm Can be mounted on short or long arm supports.	
Anti-slip hemi tray		
Seat cushion	Dark grey plush and black velour, 56 cm long, trimmed to seat depth, washable	
Tidy seat cushion	Water-repellent, wipeable	
Comfort wedge	For cushion, flattens the front part of the seat	
Cover for calf plate	On angle-adjustable leg support, dark grey plush or black Hygiene	
Calf strap	Removable, black nylon, length-adjustable	
Padding	For calf strap	
Calf support	Plush. Mounted/adjusted with Velcro	
Heel strap	Black nylon, length-adjustable	
Positioning belt	Two-piece with snap lock, fixing points on wheelchair frame	
Belt	With snap lock	
Head support, traditional	Adjustable in height, depth and angle. Several models available	
	With side supports. Adjustable in height, depth and angle.	
Head support bracket 3A	For head support bracket 3A back	

6. Accessories

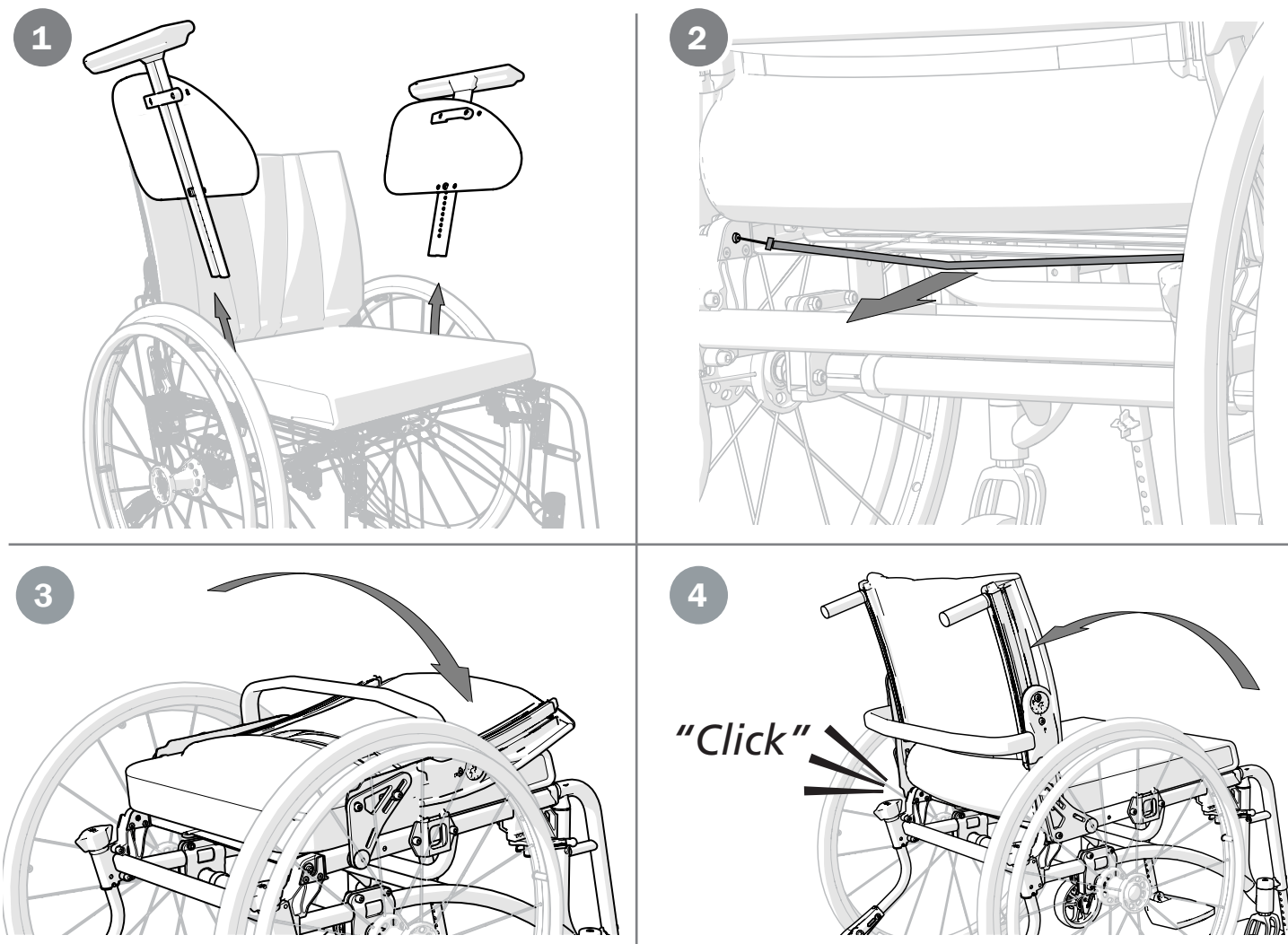
Back support wedge	Three different sizes, fastened with Velcro. Creates support and shape in back support. The wedges can also be combined with other accessories and adapted to the desired size, and several wedges can be combined.	13x9.5x2 cm	
		19x12x2 cm	
		20x17x2.5 cm	
	Dark grey plush	15 cm 30 cm	
Side cushion	Provides gentle lateral support. Used in cases where trunk support is too stabilising. (Combined with arm supports and, if necessary, side stop)		
Side stop	Combined with wedge or side support cushion. Creates a more distinct stop and holds wedge or side support pad in place	Straight	
		Angled, 3 cm	
Anti-tip	Anti-tip active. Four models, depending on seat height		
Crutch and cane holder	Attached around the tube		
Spokeguards			
IV stand	Stand and bracket		
Combinations	Power assist		
	Head supports		
	Seat cushions		
	Belts and soft trunk supports		

7. Assembly upon delivery

Leg supports with foot plates and arm supports/side guards are delivered in separate packages and are to be assembled upon delivery

8. Operation

Folding back support

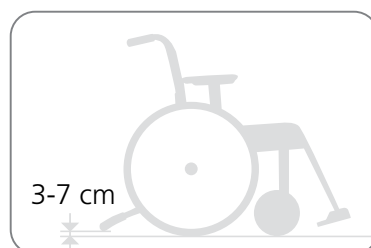
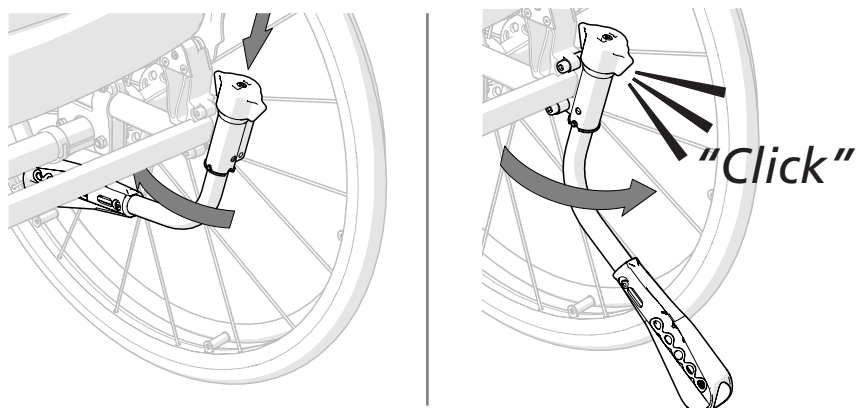


Anti-tip guard

The anti-tip is activated/deactivated by pressing down and turning. If the wheelchair's settings are adjusted, the anti-tip guard may need to be replaced.



The function of the anti-tip guard must be checked in connection with all settings and adjustments made to the chair. Adjust or replace the anti-tip guard in accordance with the seat height table.

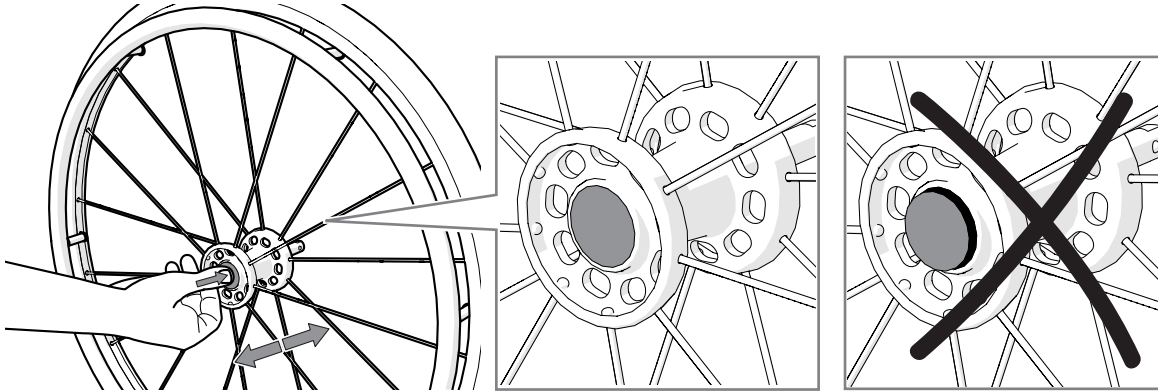


8. Operation

Rear wheel with quick-release



When attaching the rear wheels, make sure that the quick-release button fully returns. Test by pulling the wheel. Risk of injury.

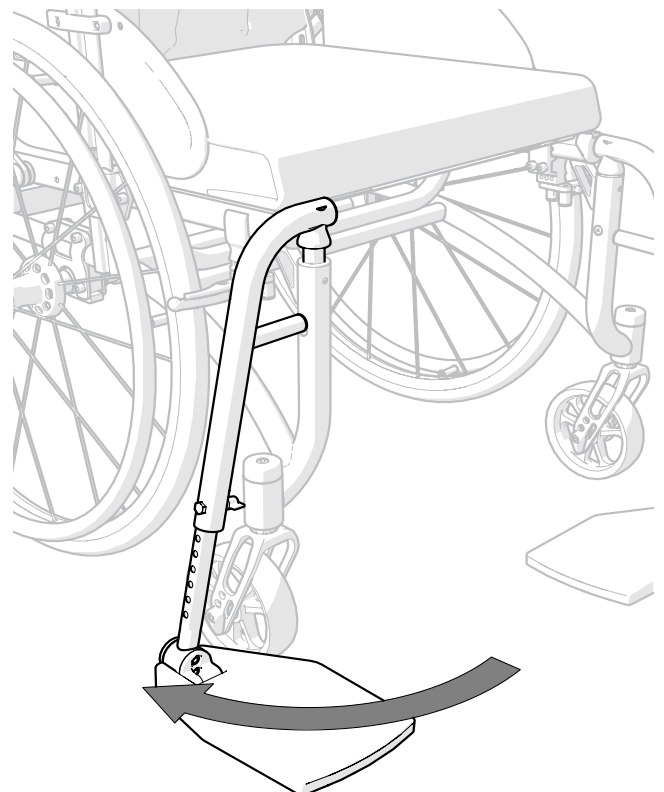
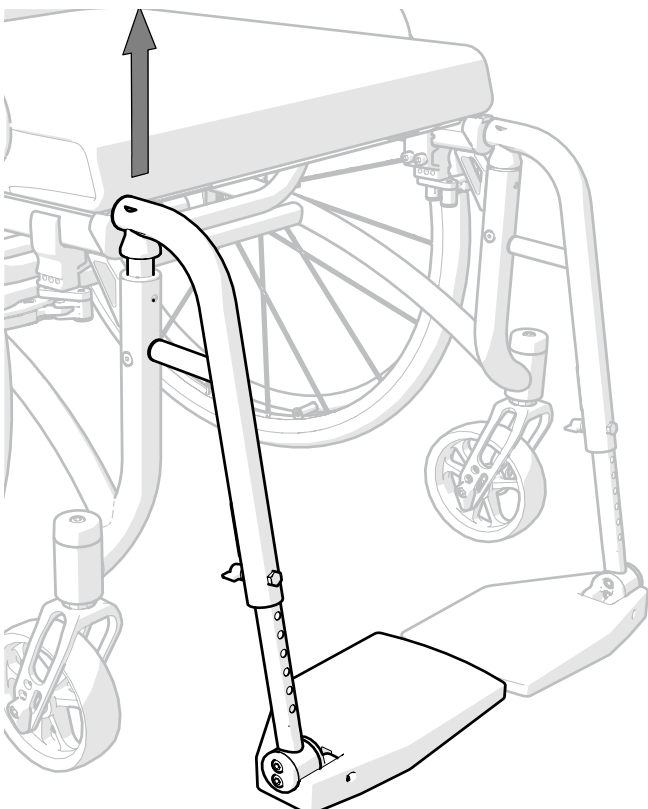


Leg supports

The leg supports can be lifted off/swung to the side.



Do not lift the wheelchair by the leg supports. Risk of injury.



8. Operation

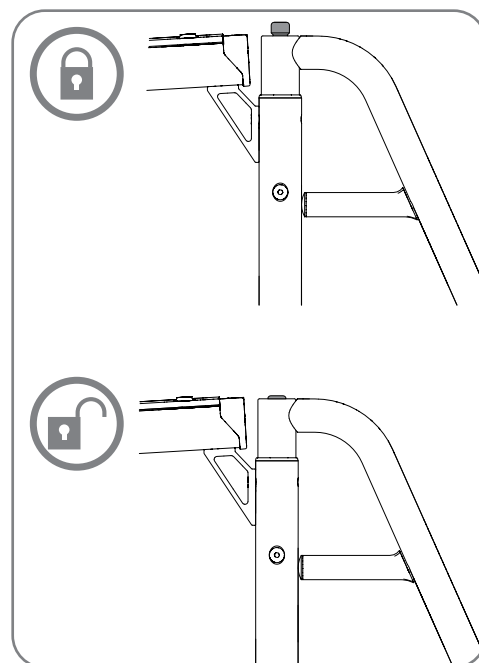
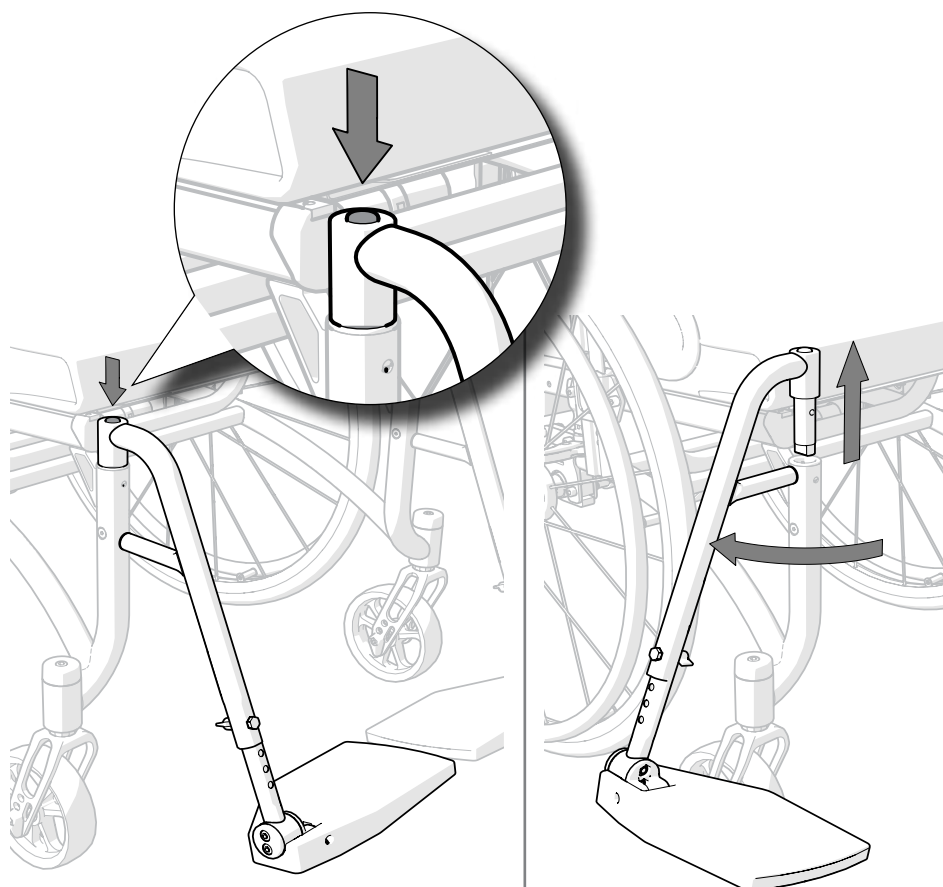
Lockable leg support

The lockable leg support can be lifted off/swung to the side by first pressing down the red button.

When assembling, press down the button, put the leg support into place and release the button.



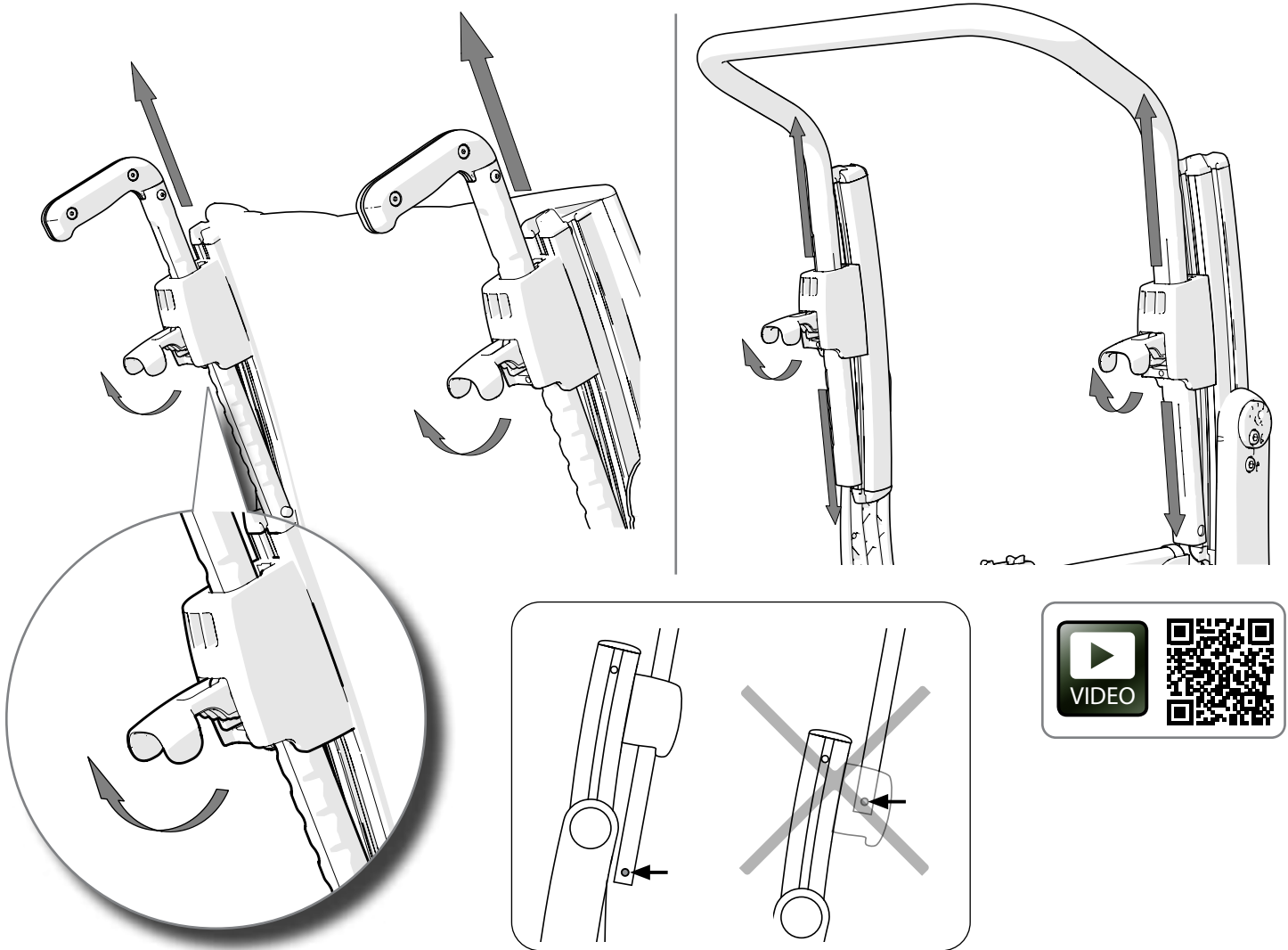
Check that the lockable leg supports are locked before lifting. Risk of injury.



8. Operation

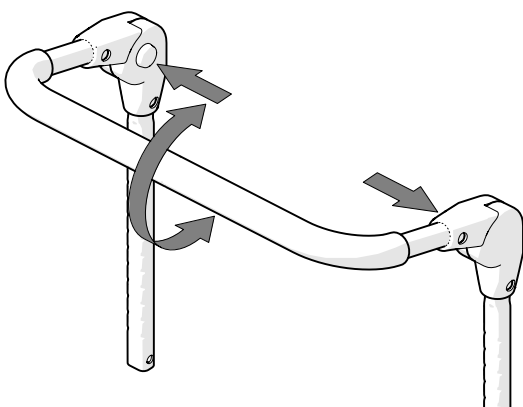
Push handle/bow handle, height-adjustable

Raise and lower by opening the locking handles. Push in the locking handles firmly. Make sure that the push handle lock snaps out under the push handle bracket.



Angle-adjustable bow handle

Press the lock buttons to adjust the angle.



9. Seating comfort settings

Sitting comfort

Good sitting comfort depends on each individual's needs and circumstances. Here are some general guidelines on what to consider when making the settings.

Choose the seat cushion with care. In addition to comfort, it affects stability and thus freedom of movement. Seat cushions also have different levels of pressure distribution.

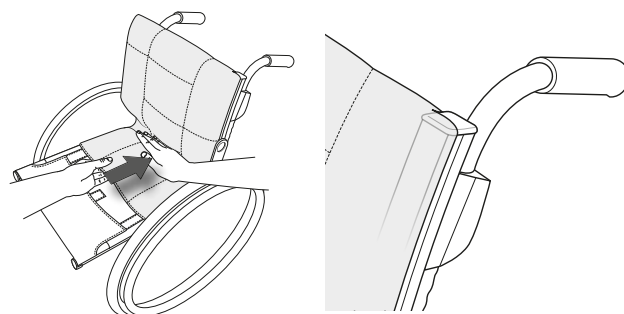
The back support setting is a combination of angles, height and shape. The angle settings and height of the back support may therefore also need to be readjusted when adjusting the back support upholstery.



The function of the anti-tip guard must be checked in connection with all settings and adjustments made to the chair. Adjust or replace the anti-tip guard in accordance with the seat height table.

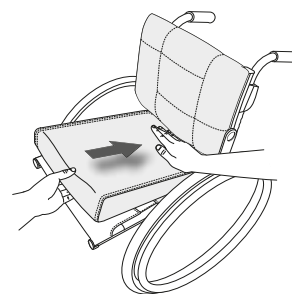
Back support cover

- Loosen all back support straps, but make sure that the Velcro straps still lock against each other.
- Position the back support cover so that it covers the upper edge of the back support rails and forms a fold between the seat and back support, so that the user can "settle" firmly into the seat.



Seat cushion

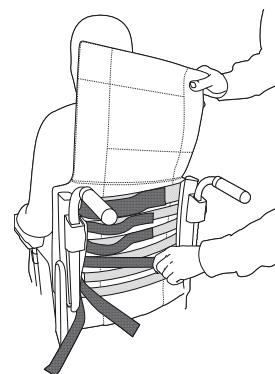
- Make sure that the seat depth is set correctly.
- Place the cushion far enough back on the seat to ensure that the rounded corners fit between the back support rails.
- Measure the appropriate length for the seat cushion and trim it in accordance with the instructions supplied.
- For a more contoured seat cushion, it can be supplemented with a comfort wedge, which is placed in the pocket of the cover on the underside of the seat cushion.



Back support upholstery

Adjustment of the back support upholstery is done with the user sitting in the wheelchair.

- Make sure that the user is sitting as far back in the seat as possible.
- Support the pelvis by tightening the strap located just below the lower back.
- Then adjust the upper strap so that the user's upper body is supported and balanced.
- The other straps are adjusted to give room for the posterior and follow the natural curve of the back.



Back support angle

The back support angle may need to be adjusted when setting the shape of the back support upholstery.

Please contact your prescriber.

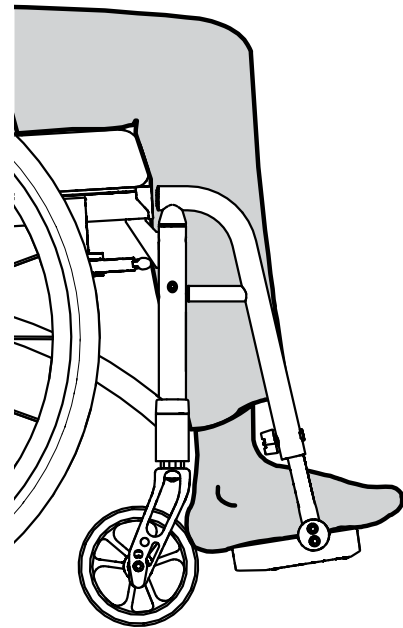
9. Seating comfort settings

Foot plates

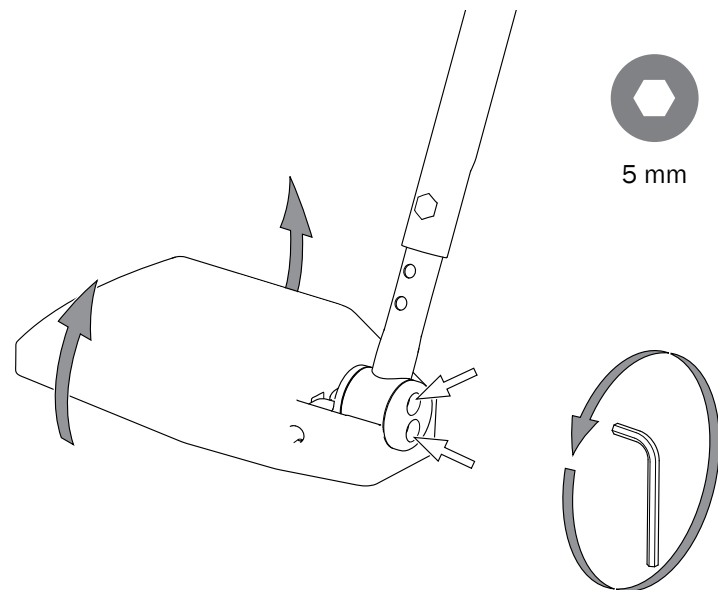
For outdoor use, the foot plates should be at least 4-5 cm from the ground.



Do not stand on the foot plates.
Risk of injury.

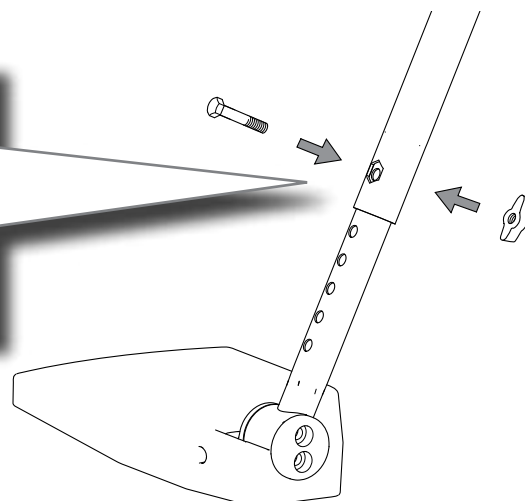
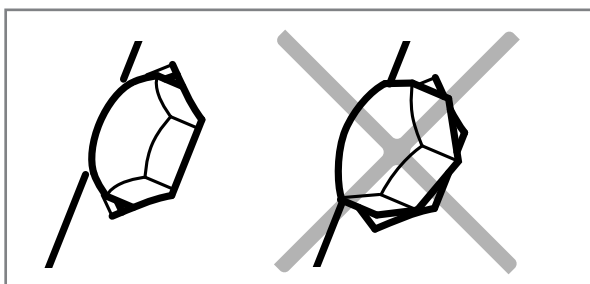
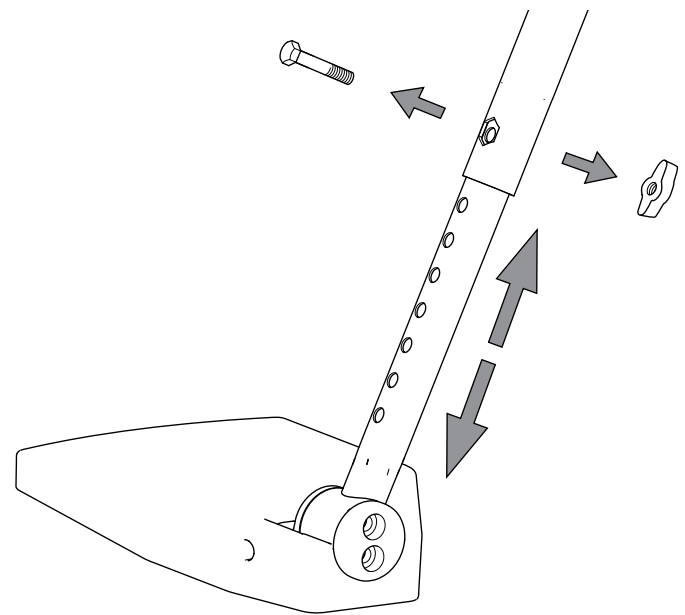


Adjusting the angle



Adjusting the height

Loosen the wing nut on the leg support. Remove the screw. Set the height. Tighten.

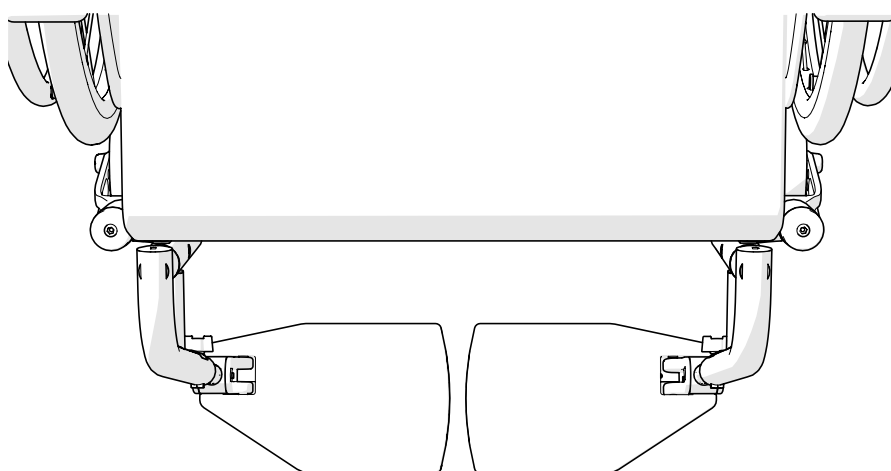
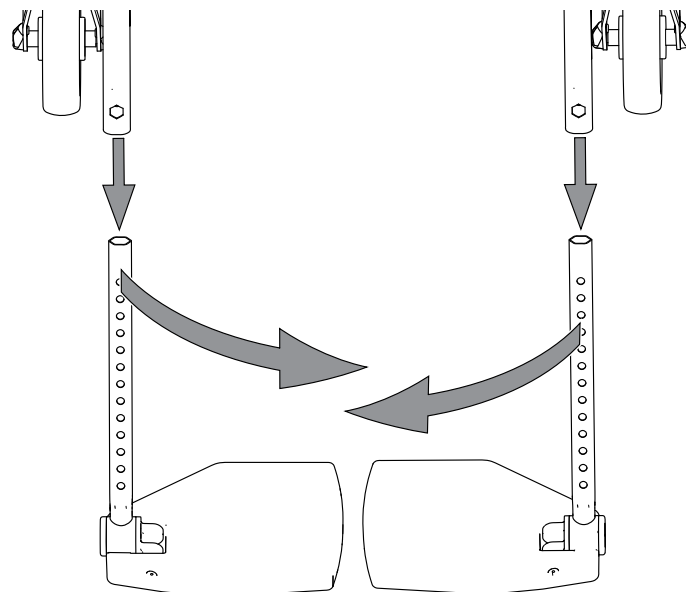
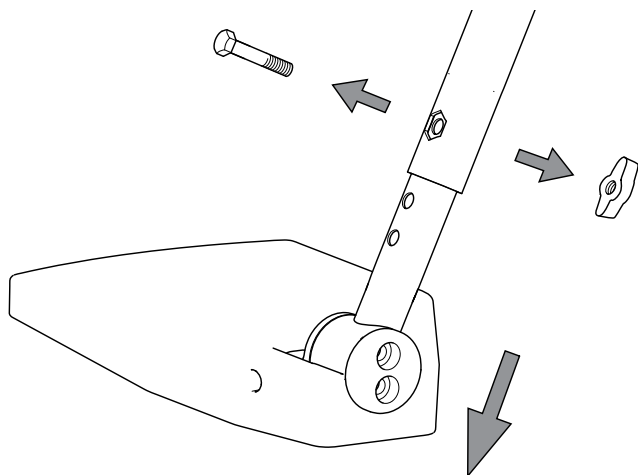


9. Seating comfort settings

Changing the depth of foot plates

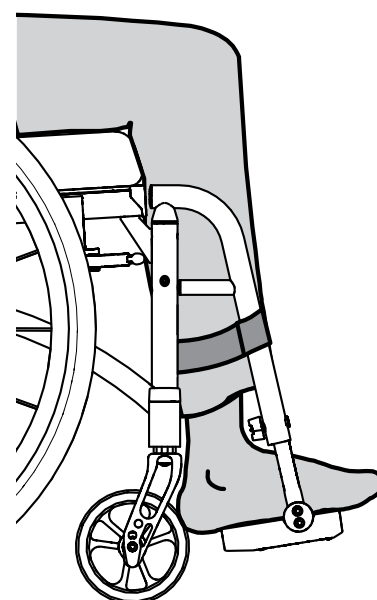
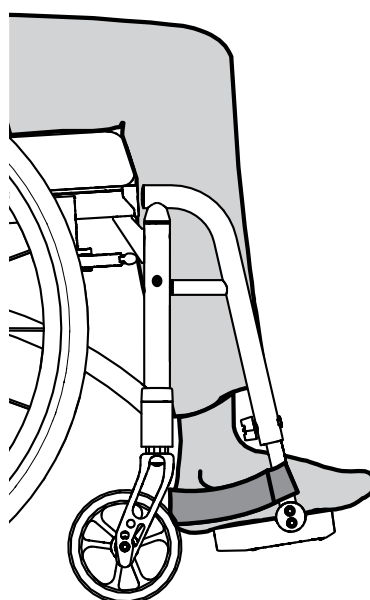
Adjust the depth of the foot plates by switching

the right and left foot plates. Adjust the angle of the foot plates.



Calf/heel strap

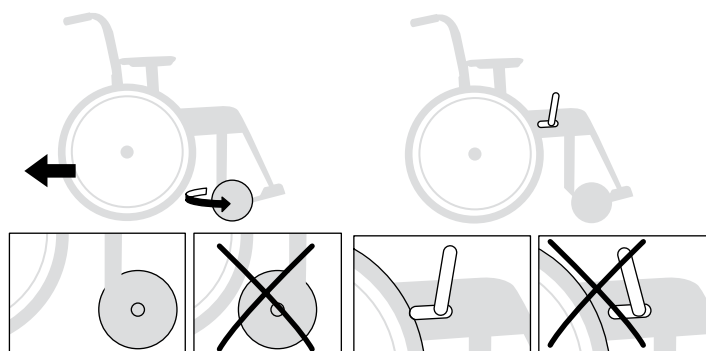
- Adjust the length so that the centres of the feet are resting on the foot plates.



10. Driving technique, use

Parking

Turn the castor wheels forward, apply the brakes.

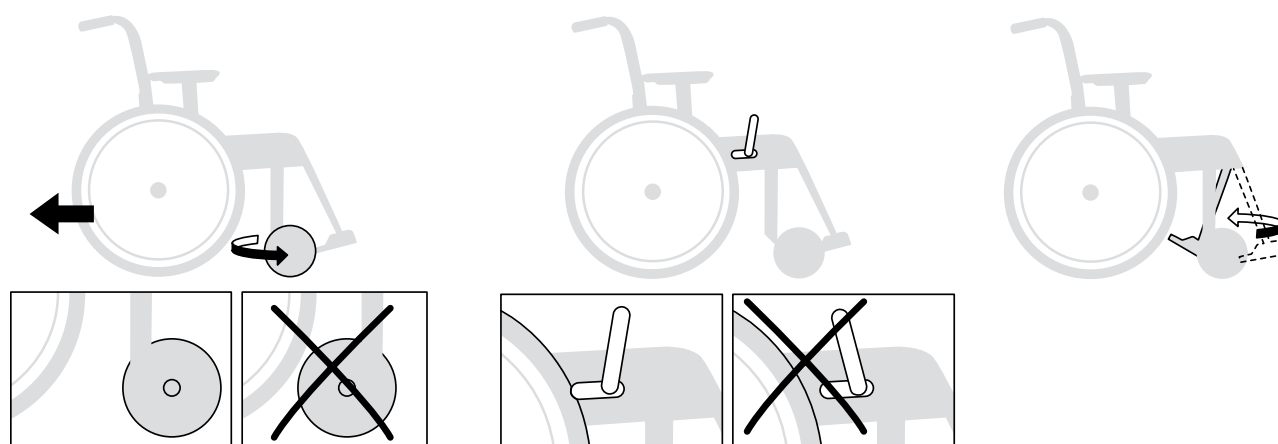


Transferring to/from the wheelchair

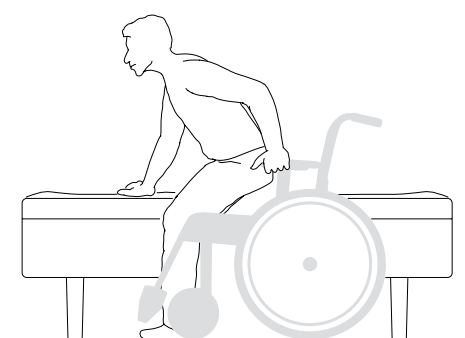
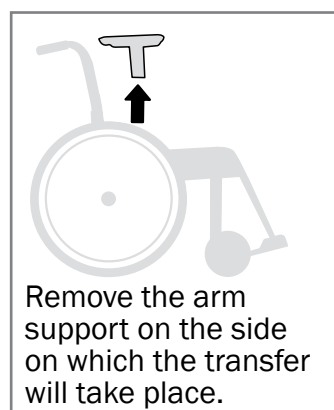
Turn the castor wheels forward, apply the brakes, fold up the foot plates and fold away the leg supports.



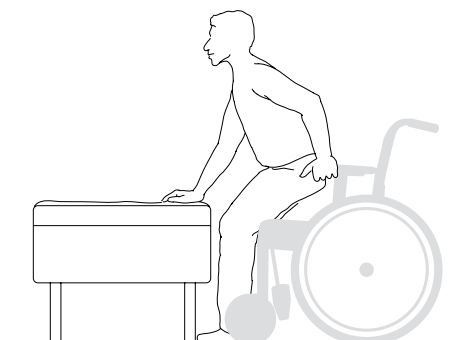
Do not stand on the foot plates. Risk of injury.



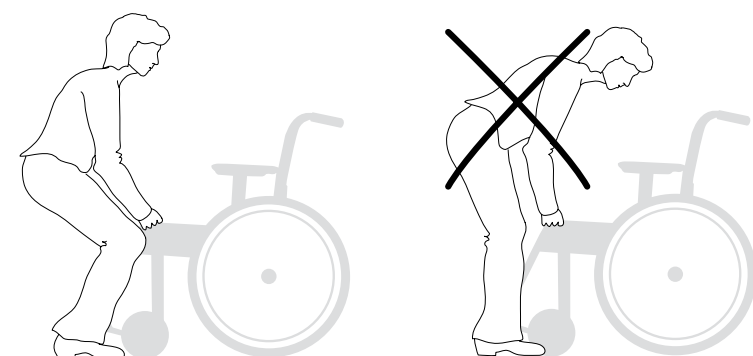
Sideways



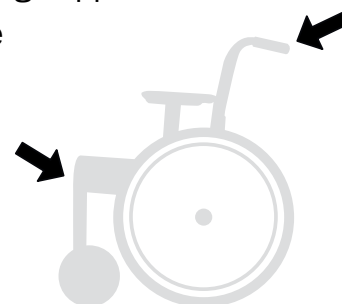
From the front



Lifting the wheelchair



- Lift the wheelchair by the push handles and front part of the frame, or by the lockable leg supports.
- Swing non-lockable leg supports under the seat and lift the wheelchair by the front upper part of the frame.



10. Driving technique, use

❗ The following sketches show the principles of driving technique and dealing with obstacles.

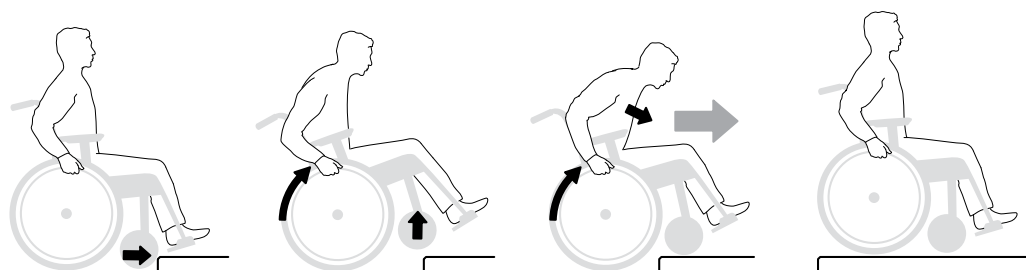
User, up forwards

This technique is only recommended for experienced wheelchair users.

- Make sure that the anti-tip guards are inactive.



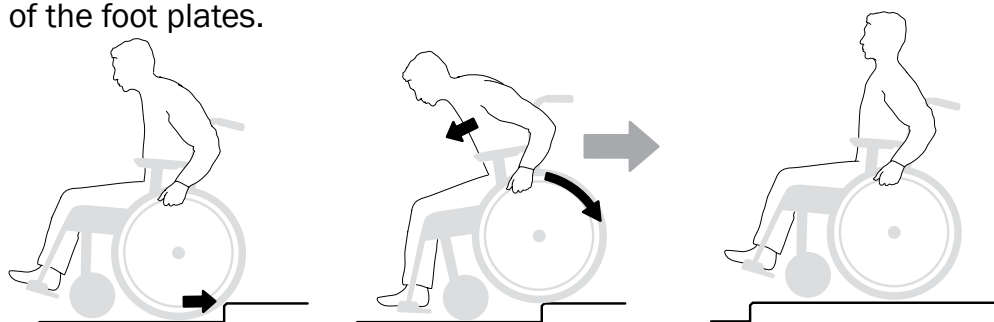
Tipping risk. Inactivated anti-tips will increase the risk of injury. Activate the anti-tips to avoid the risk of tipping.



User, up backwards

This technique only works if there is a low edge/ threshold, depending on the height adjustment of the foot plates.

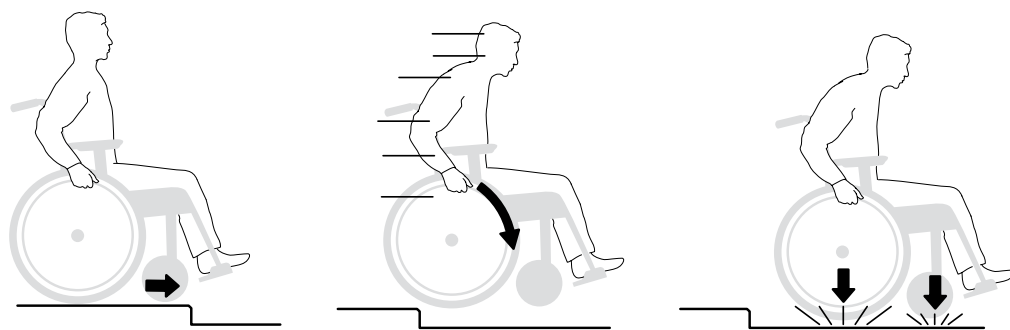
- Make sure that the anti-tip guards are inactive.



User, down forwards

This technique is only recommended for experienced wheelchair users.

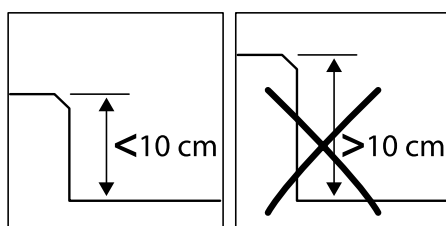
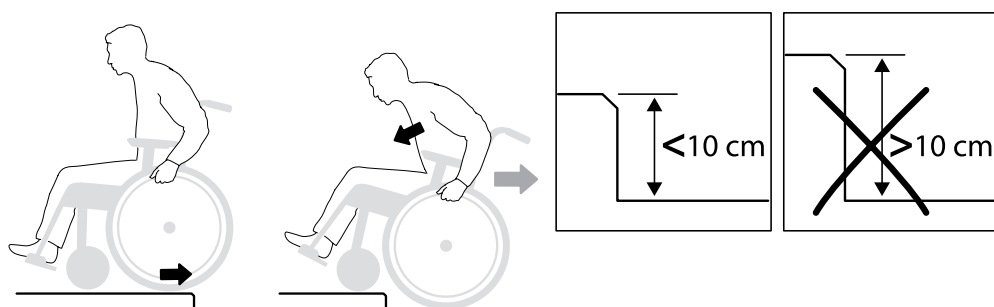
- Make sure that the anti-tip guards are inactive.



User, down backwards

This technique is only recommended for experienced wheelchair users.

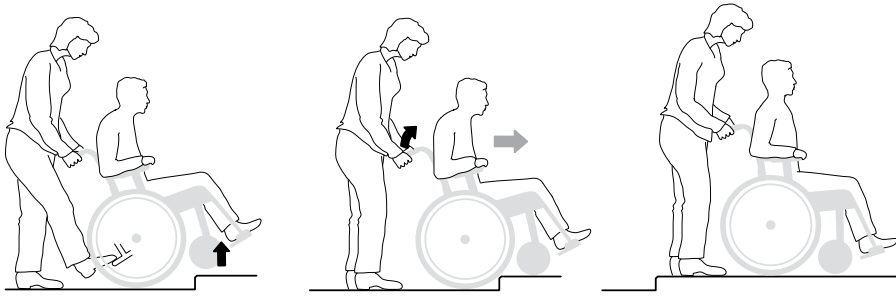
- Make sure that the anti-tip guards are inactive.



10. Driving technique, use

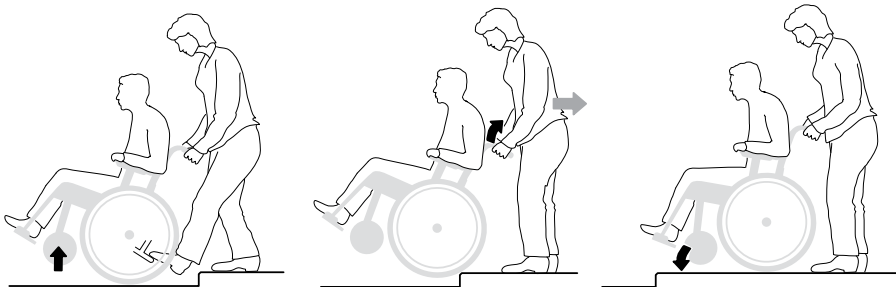
Assistant, up forwards

- Make sure that the anti-tip guards are inactive.



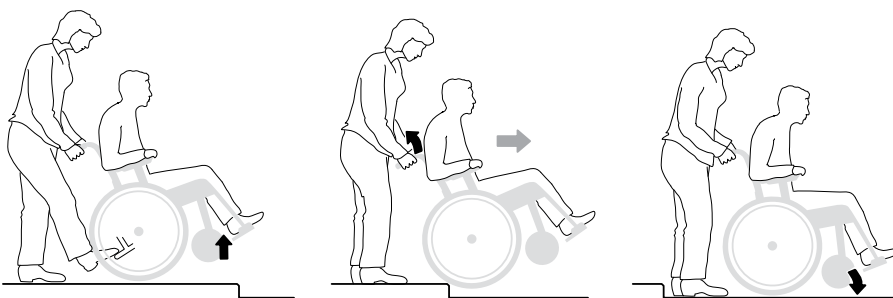
Assistant, up backwards

- Make sure that the anti-tip guards are inactive.



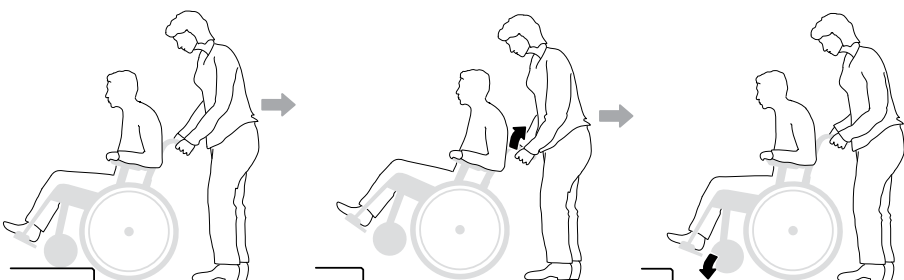
Assistant, down forwards

- Make sure that the anti-tip guards are inactive.



Assistant, down backwards

- Make sure that the anti-tip guards are inactive.

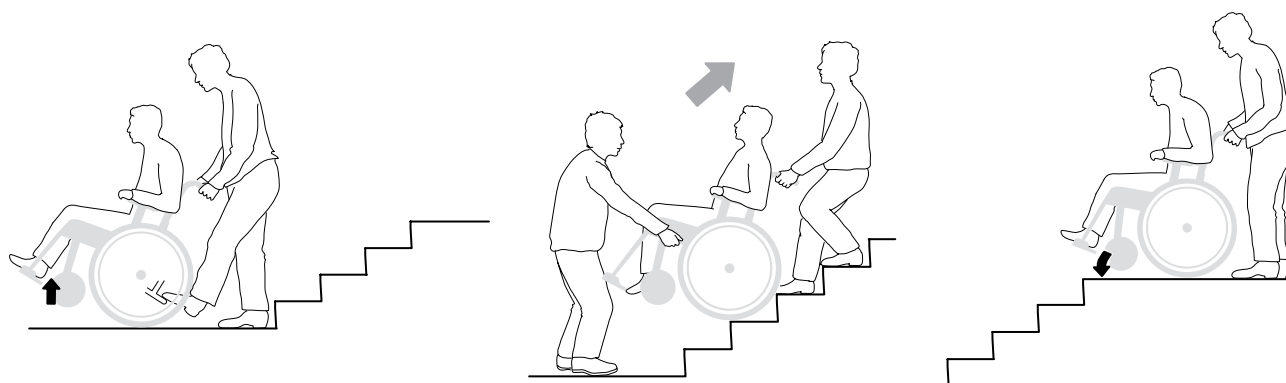


10. Driving technique, use

Stairs, up

- Make sure that the anti-tip guards are inactive. Never use escalators, even if there is an assistant. Make sure that the height-adjustable handles are securely tightened.

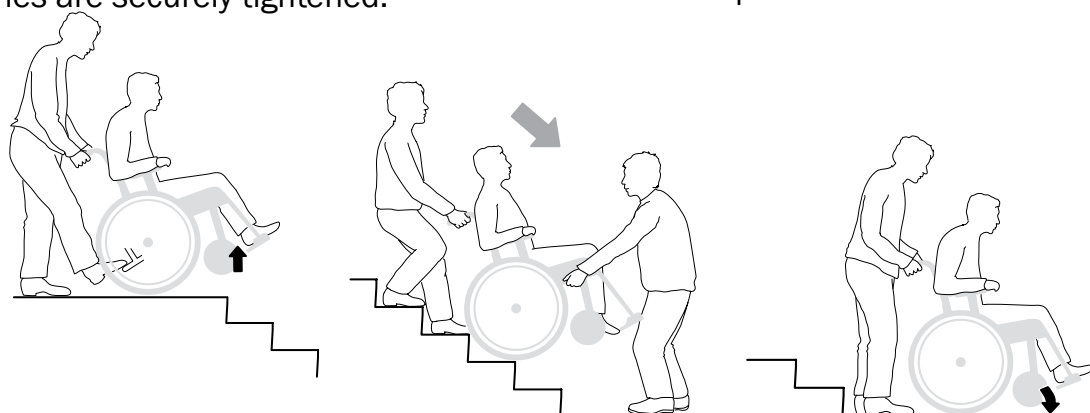
It is recommended that there are always two assistants for this transfer: one walking behind and holding the push handle, and one walking in front and holding the frame (or the leg supports if these are lockable).



Stairs, down

- Make sure that the anti-tip guards are inactive. Never use escalators, even if there is an assistant. Make sure that the height-adjustable handles are securely tightened.

It is recommended that there are always two assistants for this transfer: one walking behind and holding the push handle, and one walking in front and holding the frame (or the leg supports if these are lockable).



Driving up/down a slope

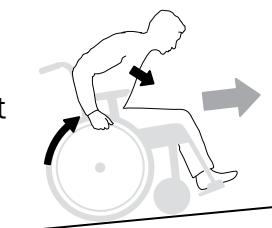
Control the speed using the handrims, not the brakes!

Avoid turning in the middle of a slope. Always drive up/down in as straight a line as possible.

If in doubt, ask for help.

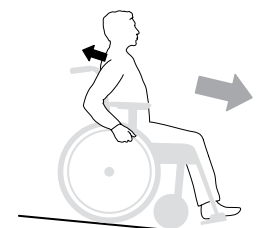
Going up a slope

Tilt your body forward to correct the centre of gravity.



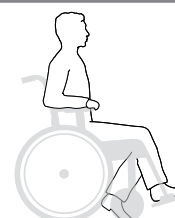
Going down a slope

Tilt your body back to correct the centre of gravity.



Foot propulsion

The user kicks with one or both feet to move forwards.



11. Advanced settings, adjustments

Seat height, seat height table

The seat height is adjusted by replacing:

- Length of front fork
- Position of castor wheel in fork
- Size of castor wheel

and

- Rear axle bracket
- Rear wheel position
- Size of rear wheel

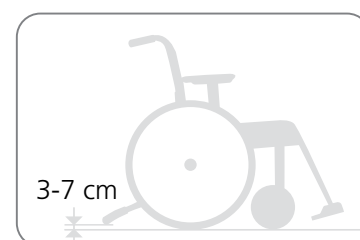
The seat angle is always 4°, so to ensure that the castor bracket is always vertical to the ground surface, the front and rear seat height must be adjusted parallel.

Assembly instructions may be found in the sections entitled “Disassemble/assemble

the front fork”, “Disassemble/assemble the castor wheels”, “Adjusting the height of the rear axle bracket” and “Replacing the rear axle bracket”.



The function of the anti-tip guard must be checked in connection with all settings and adjustments made to the chair. Adjust or replace the anti-tip guard in accordance with the seat height table.



Front forks and castor wheel positions			Rear axle brackets and rear wheel positions				
			Standard		High		
XS	S	S+25	E	D	C	B	A
 1XS 2XS 3XS	 1S 2S 3S 4S	 3S+25 4S+25					

Seat height table

										Model
		4"	5"	6"	20"	22"	24"	25"		
375	405	1XS			E					1
388	418	2XS			D					1
400	430	3XS	1S		C	E				2
413	443		2S		B	D				2
425	455		3S	2S	A	C	E			3
438	468		4S	3S		B	D	E		3
450	480		3S+25	4S		A	C	D		3
463	493		4S+25	3S+25			B	C		4
475	505			4S+25			A	B		4

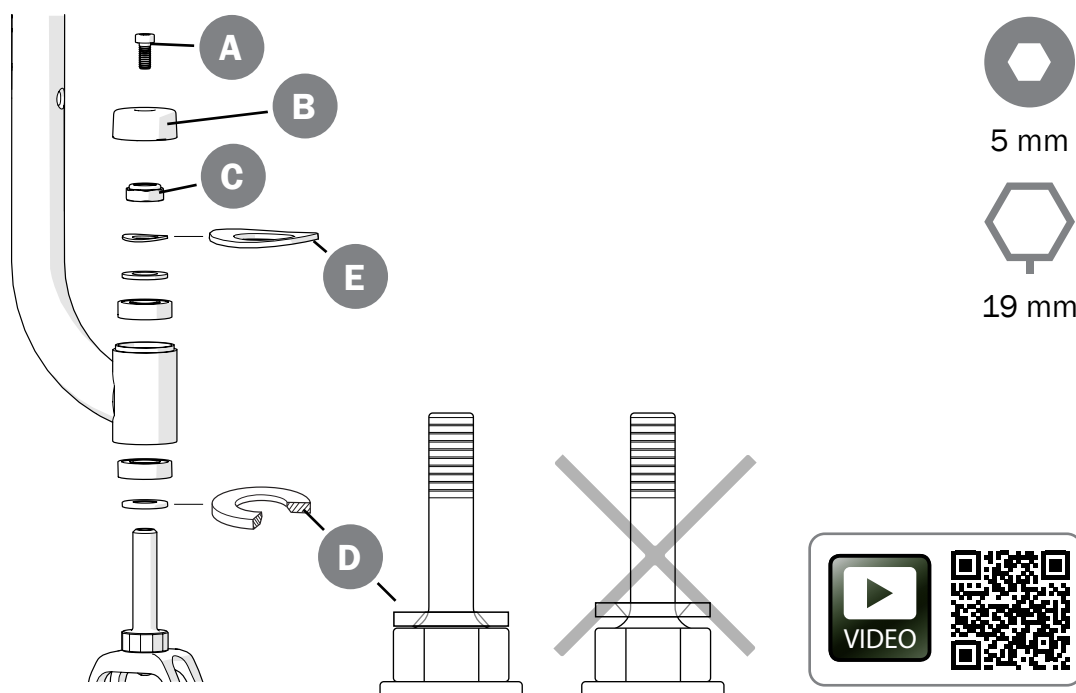
Tolerance in above dimensions +/-10 mm
More combinations than the above may be possible.

11. Advanced settings, adjustments

Disassemble/assemble the front fork

- Loosen the screw (A) and remove the cover (B)
- Loosen the retaining nut (C), pull out the front fork and transfer the chamfered washer (D) and the ball bearing to the new fork.
- Fit washers and ball bearings in the front fork attachment as shown in the illustration. Place washer (D) with the chamfered side facing the fork. Spring washer (E) at the top under retaining nut.

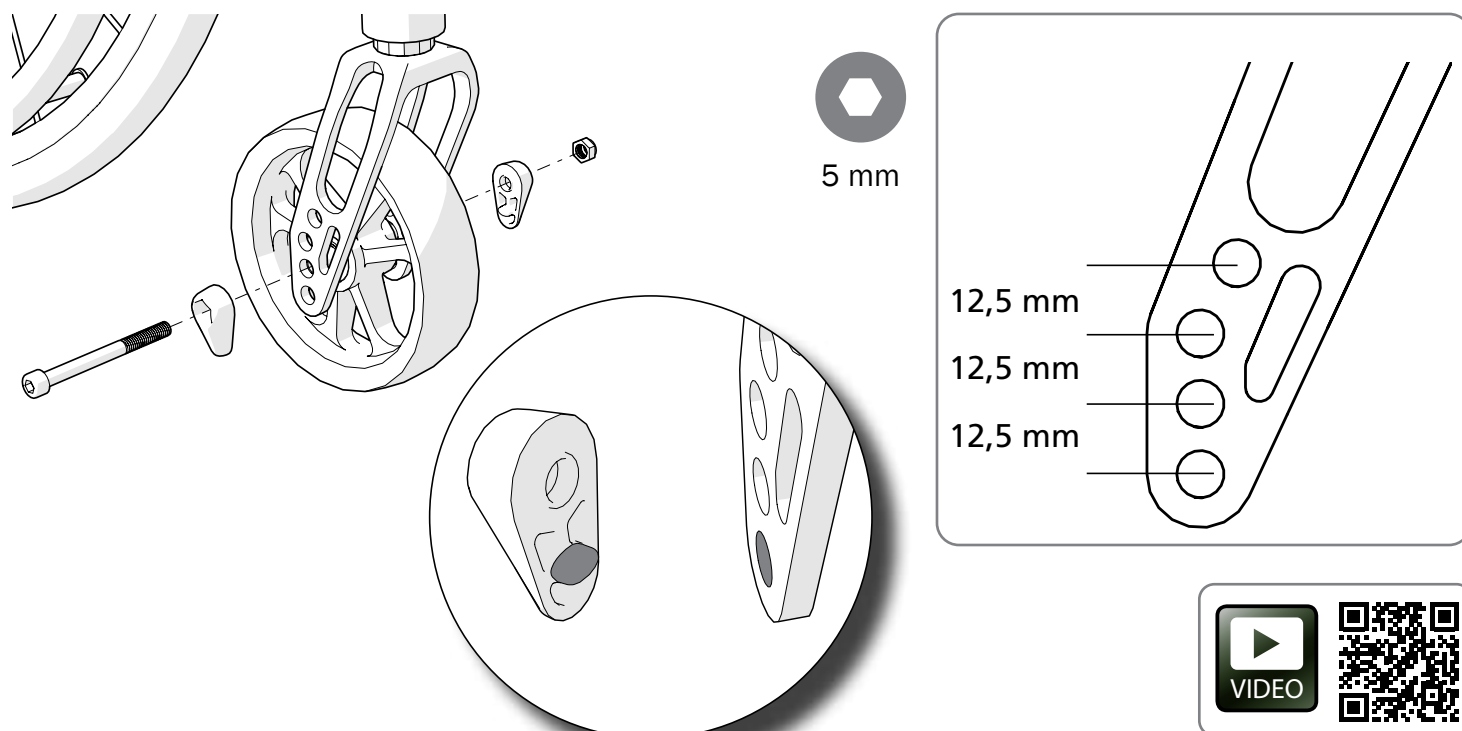
- Tighten the retaining nut carefully until the front fork turns with some inertia, and then loosen approx. 1/2 turn. This gives the spring washer the correct tension, which reduces the risk of the castor wheel starting to "wobble".
- Fit the cover.



Disassemble/assemble the castor wheels

Loosen screw, nut and spacers and mount the wheel in a suitable position.

Make sure that the small pin of the plastic spacer locks into the appropriate hole in the fork.



11. Advanced settings, adjustments

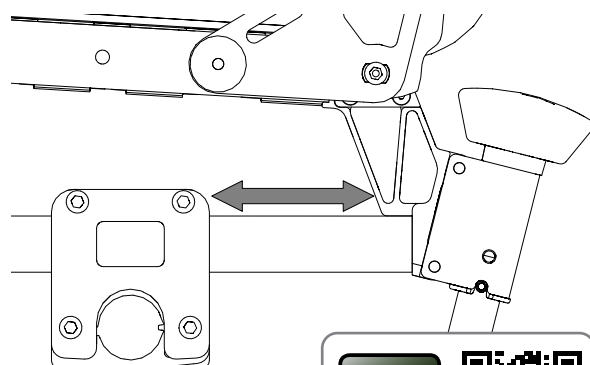
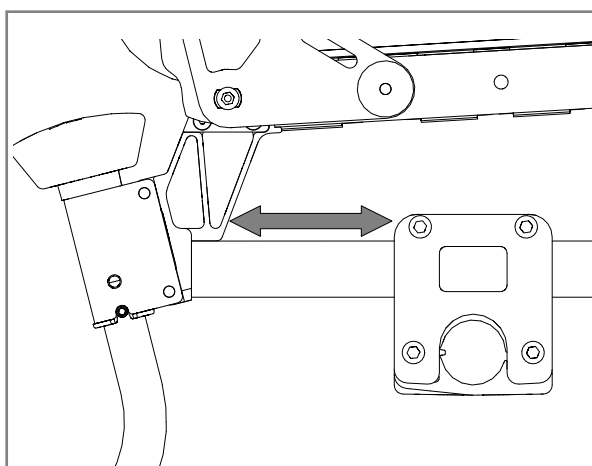
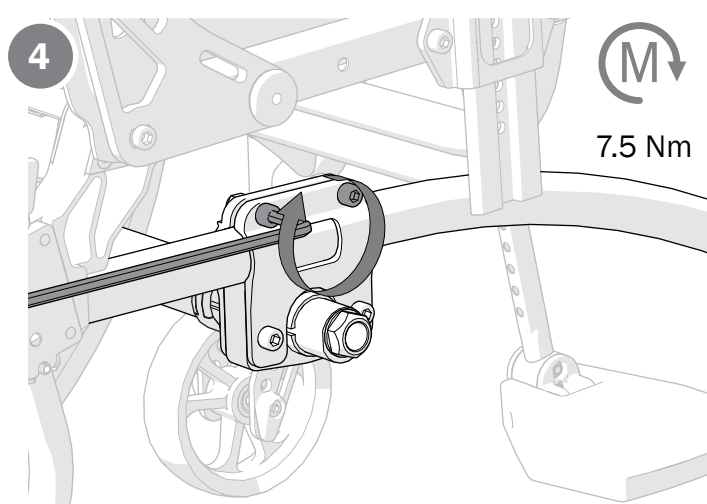
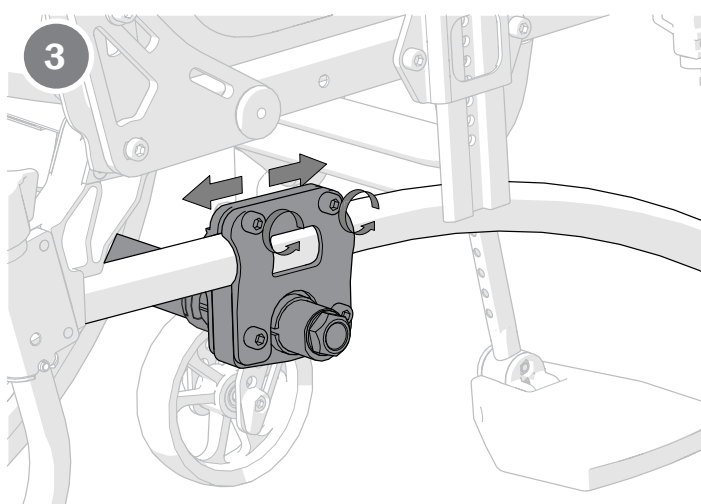
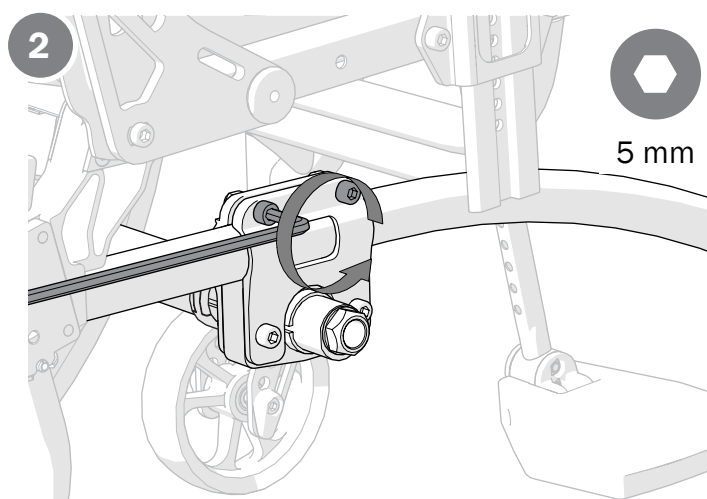
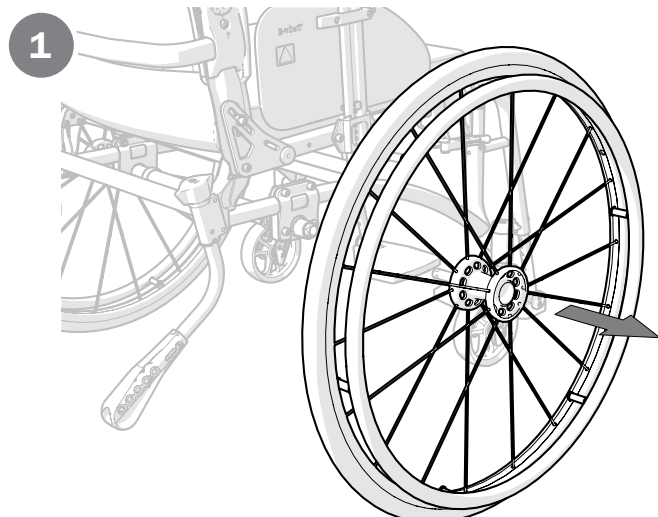
Change the rear wheel position, centre of balance

1. Remove the rear wheels.
2. Loosen the two upper screws on both the right and left rear axle brackets.
3. Move the rear axle brackets forwards for lighter balance or backwards for a more stable chair. Tighten the screws. Make sure that the brackets on the right and left are the same distance from the anti-tip guard bracket.

A lighter balance means that the wheelchair is easier to drive and turn, while the risk of tipping backwards increases. Also check the brakes, see section “Brake, adjustment”.



When attaching the rear wheels, make sure that the quick-release button fully returns. Test by pulling the wheel. Risk of injury.



11. Advanced settings, adjustments

Adjusting the height of the rear axle bracket (standard)

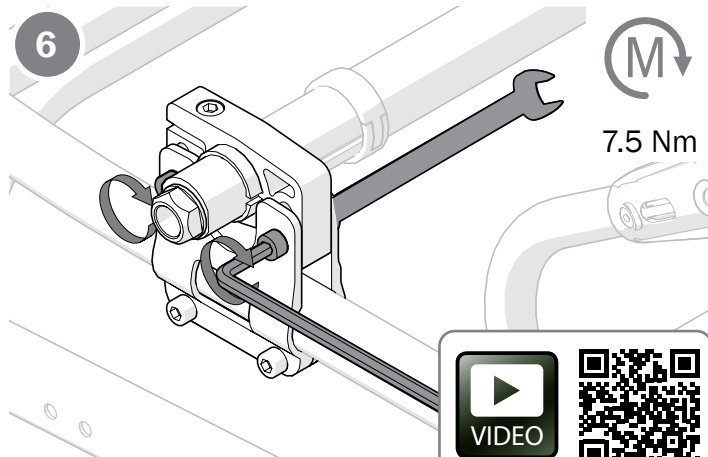
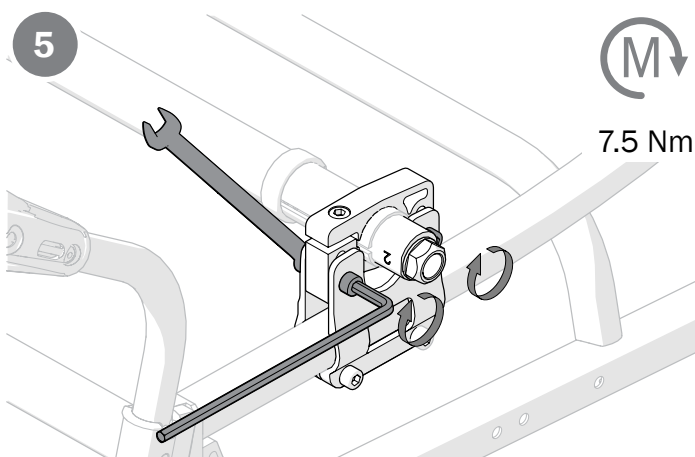
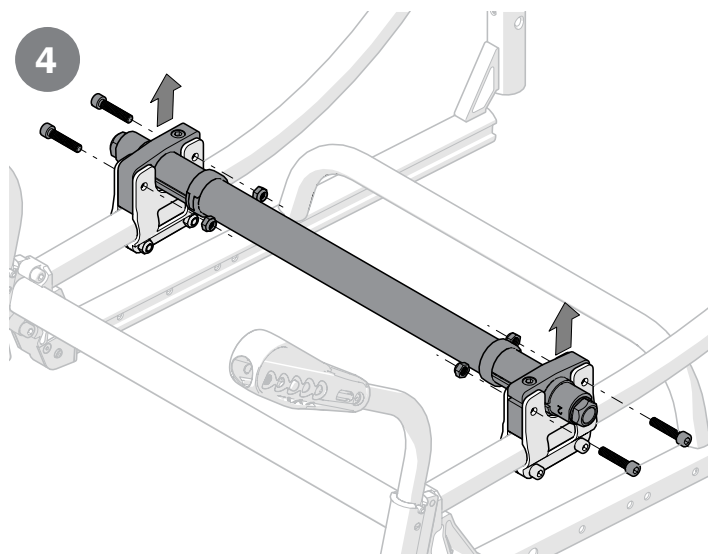
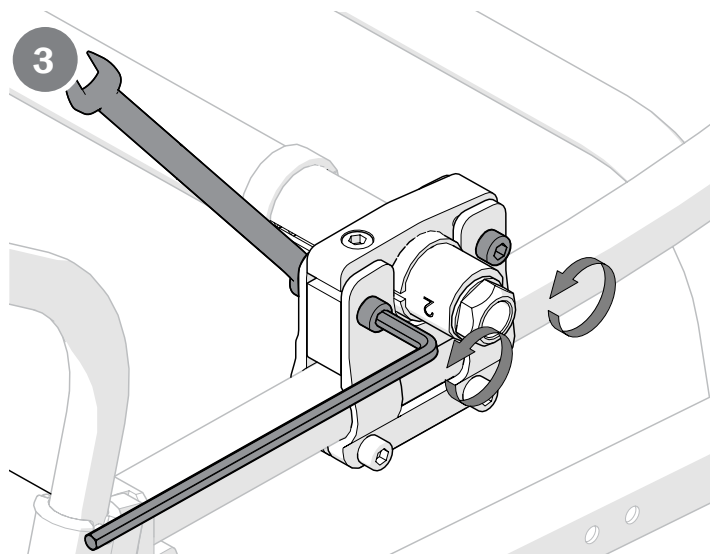
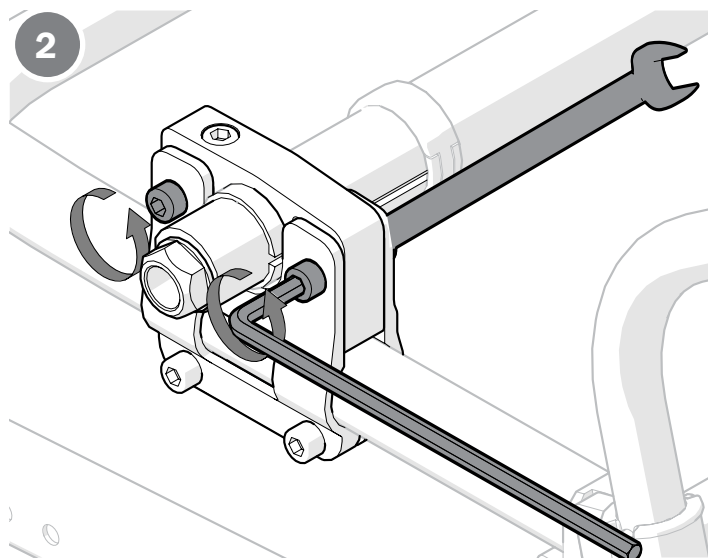
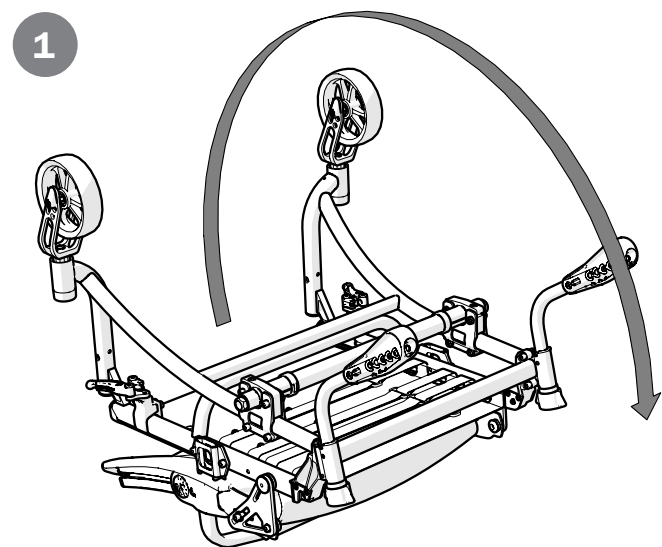
1. Remove the rear wheels, turn the chair upside down.
- 2-3. Loosen and remove the two lower screws/nuts in the rear axle bracket.
- 4-6. Move the rear axle clamps to the desired position in the rear axle bracket and tighten

the screws. Make sure that the right and left brackets are at the same height. See also section entitled "Seat height table".

Also check the brakes, see section "Brake, adjustment".



When attaching the rear wheels, make sure that the quick-release button fully returns. Test by pulling the wheel. Risk of injury.



11. Advanced settings, adjustments

Adjusting the height of the rear axle bracket (high)

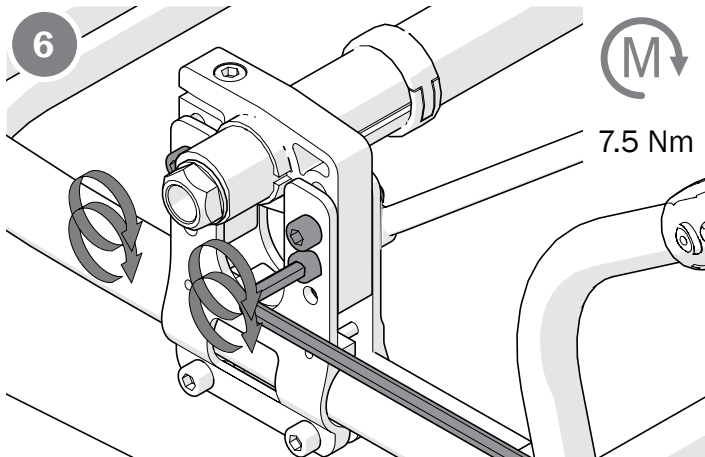
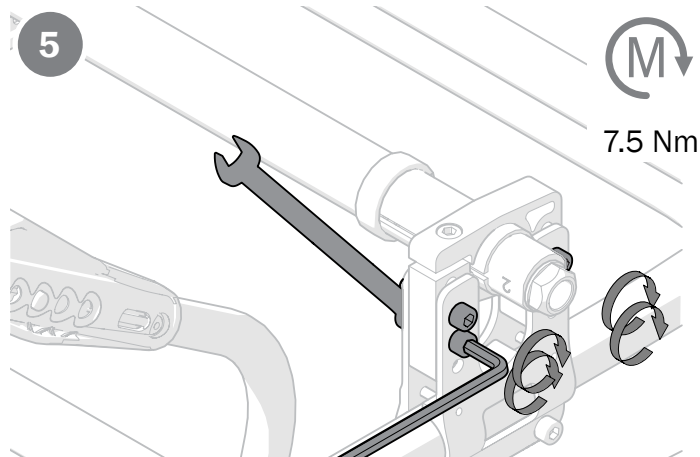
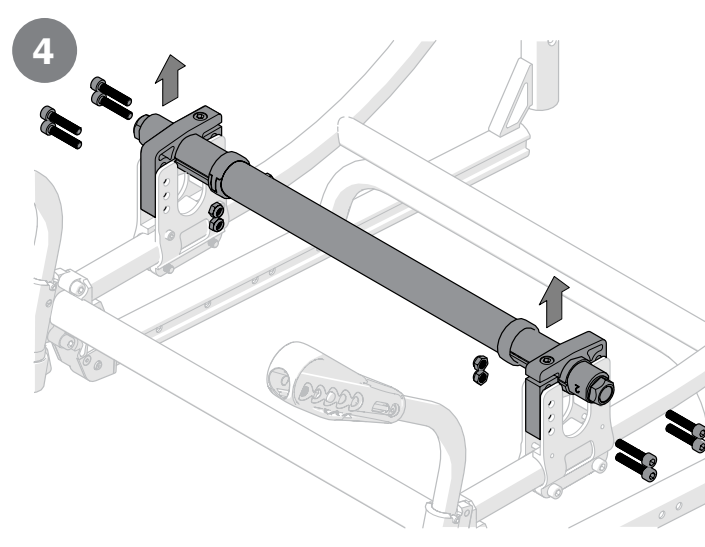
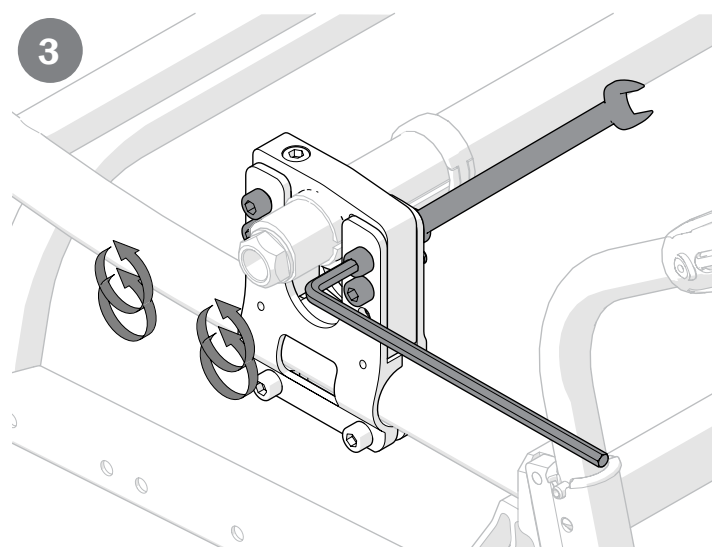
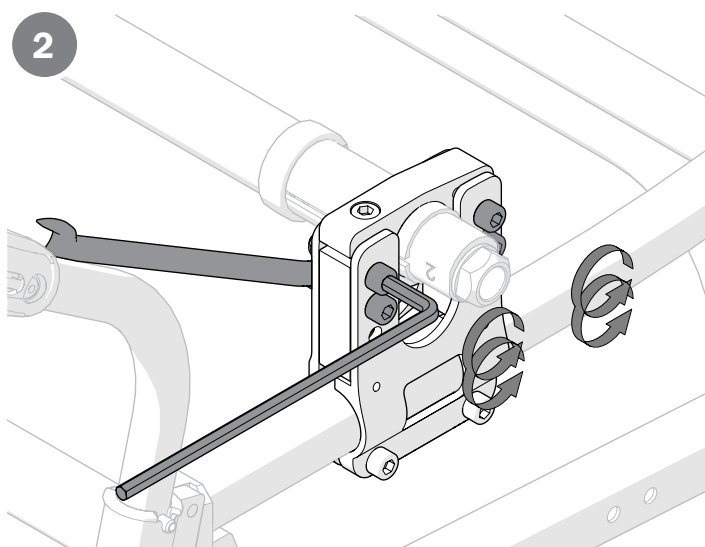
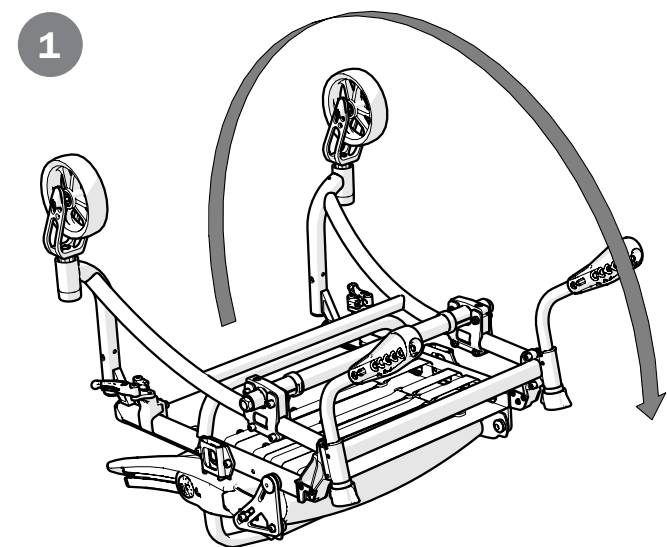
1. Remove the rear wheels, turn the chair upside down.
- 2-3. Loosen and remove the four lower screws/nuts in the rear axle bracket
- 4-6. Move the rear axle clamps to the desired position in the rear axle bracket and tighten

the screws. Make sure that the right and left brackets are at the same height. See also section entitled "Seat height table".

Also check the brakes, see section "Brake, adjustment".



When attaching the rear wheels, make sure that the quick-release button fully returns. Test by pulling the wheel. Risk of injury.



11. Advanced settings, adjustments

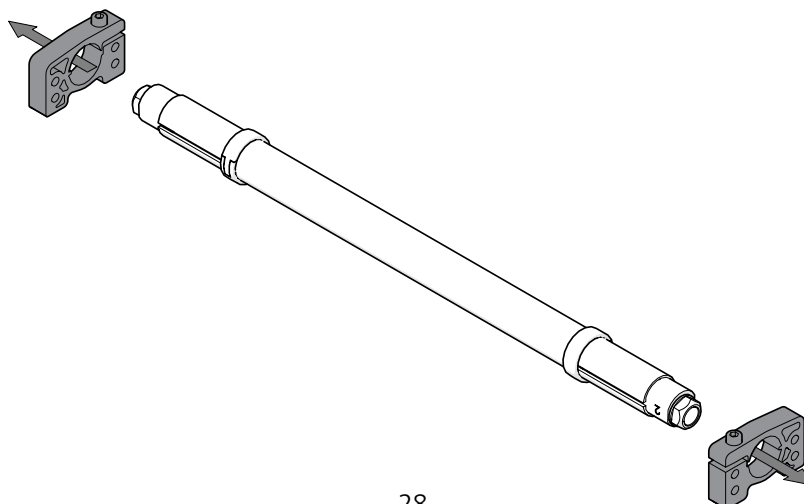
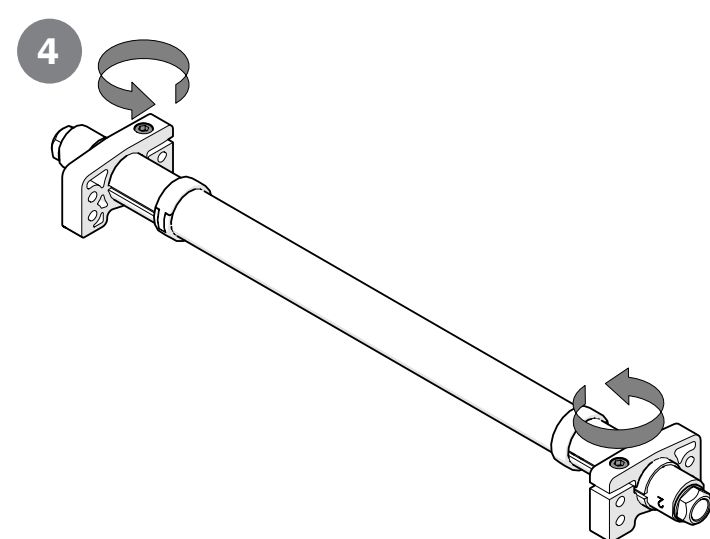
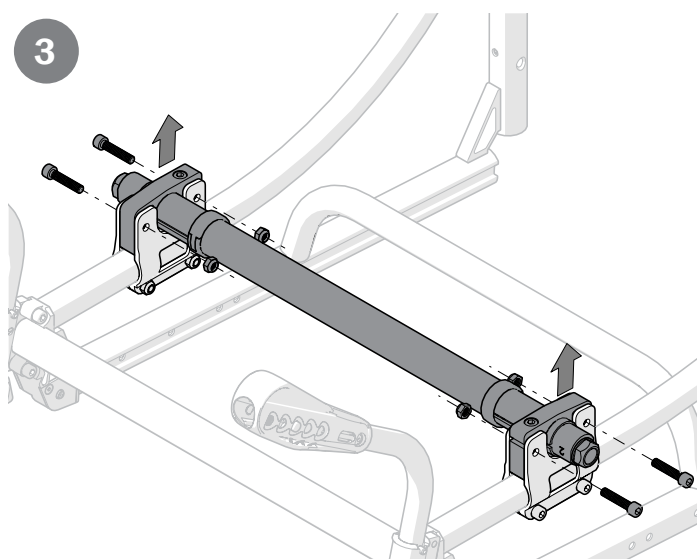
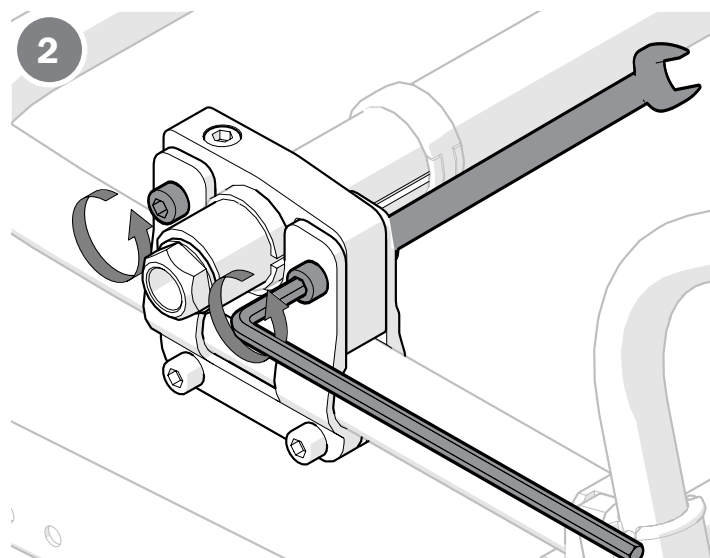
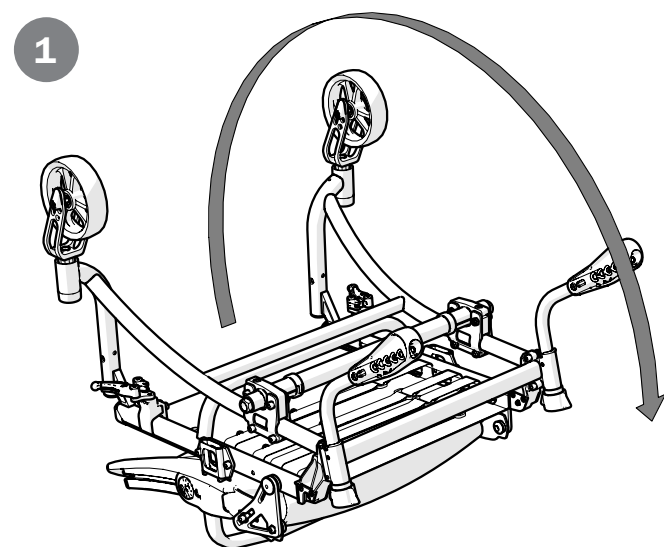
Replacing the rear axle bracket from standard to high

1. Remove the rear wheels and turn the chair upside down.
- 2-3. Loosen and remove the two screws/nuts and lift out the rear axle and its clamps.
4. Loosen the screws and remove the clamps from the rear axle.

Also check the brakes, see section “Brake, adjustment”.



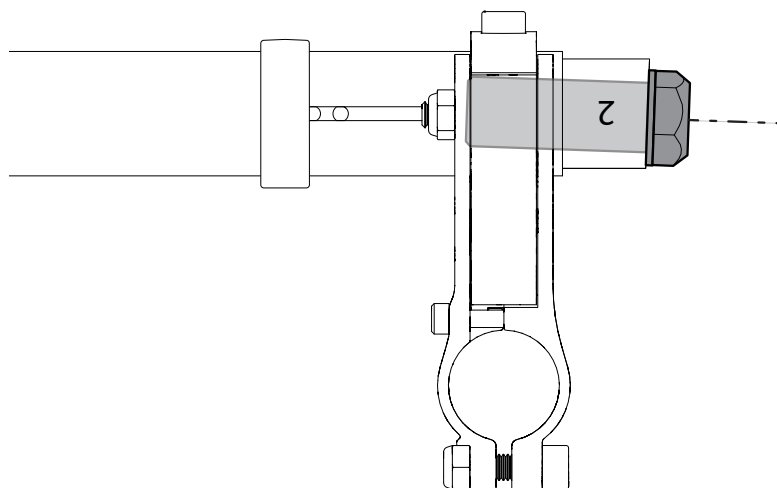
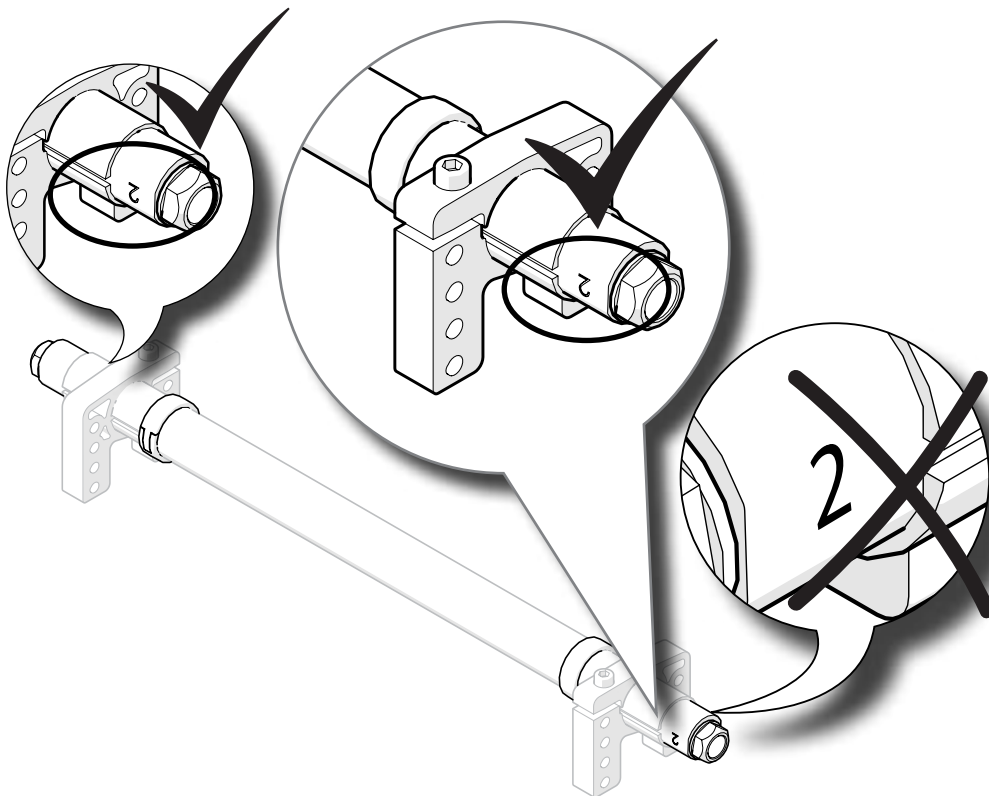
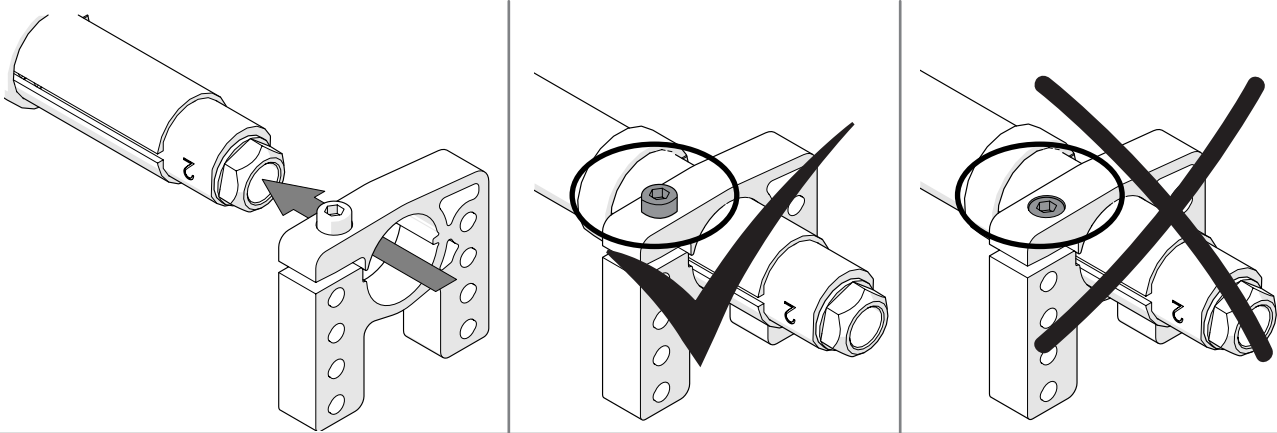
When attaching the rear wheels, make sure that the quick-release button fully returns. Test by pulling the wheel. Risk of injury.



11. Advanced settings, adjustments

5. Slide on the new clamps without tightening the screws. Make sure that the camber angle is correct.

5

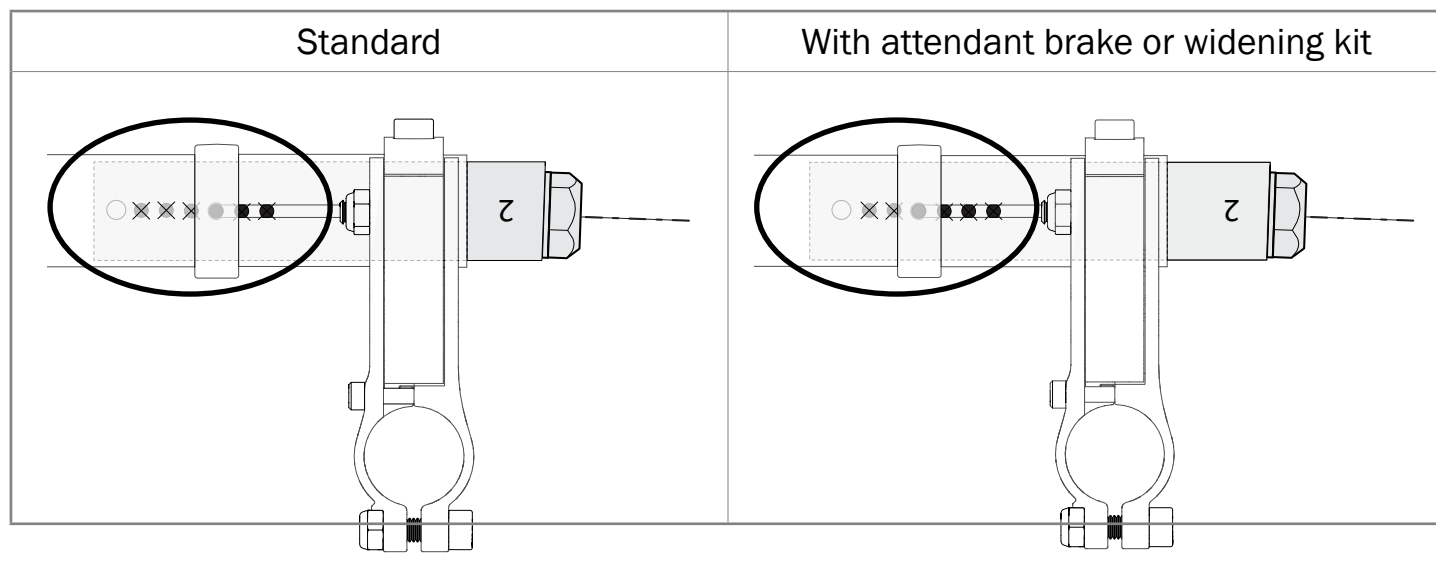
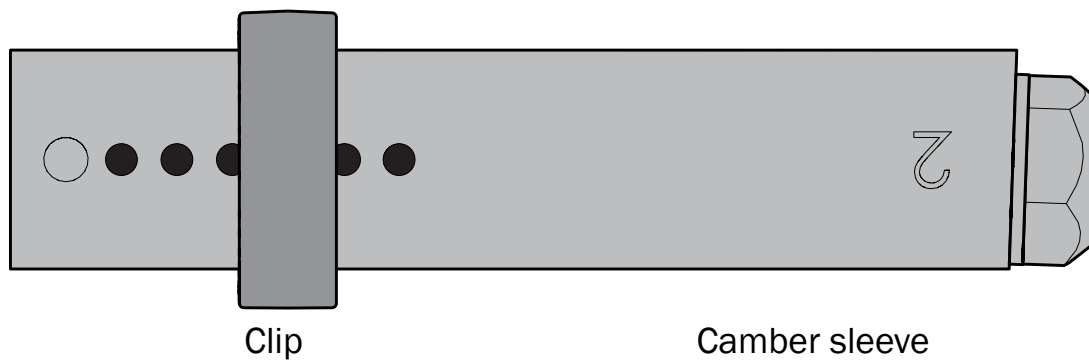


11. Advanced settings, adjustments

6. Adjust the camber sleeve and the camber sleeve clip so that the correct distance

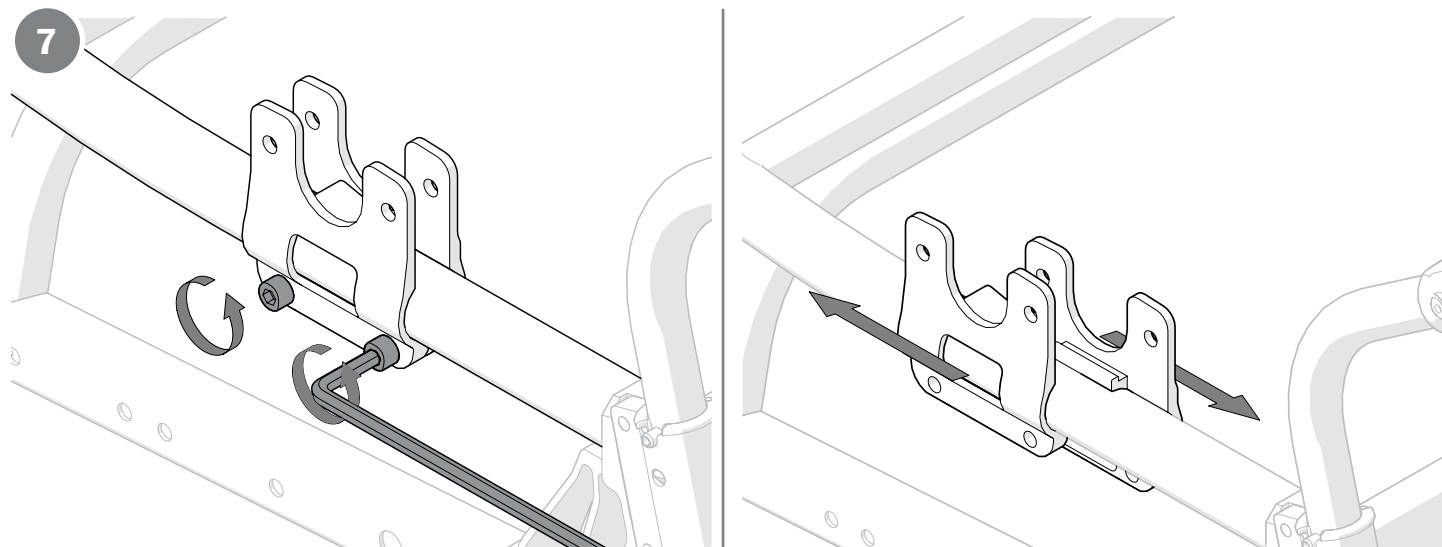
between the rear wheel and the frame is obtained.

6



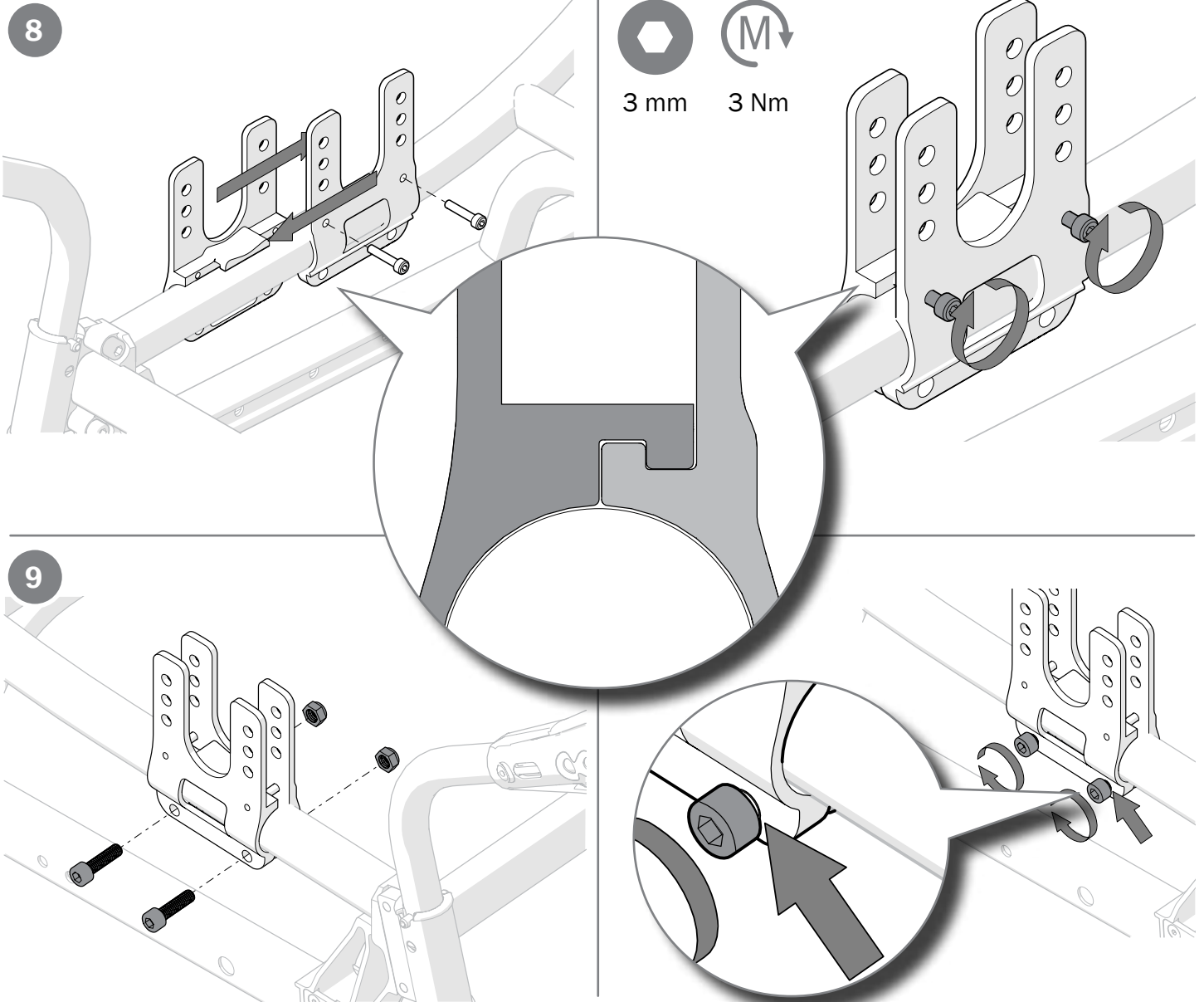
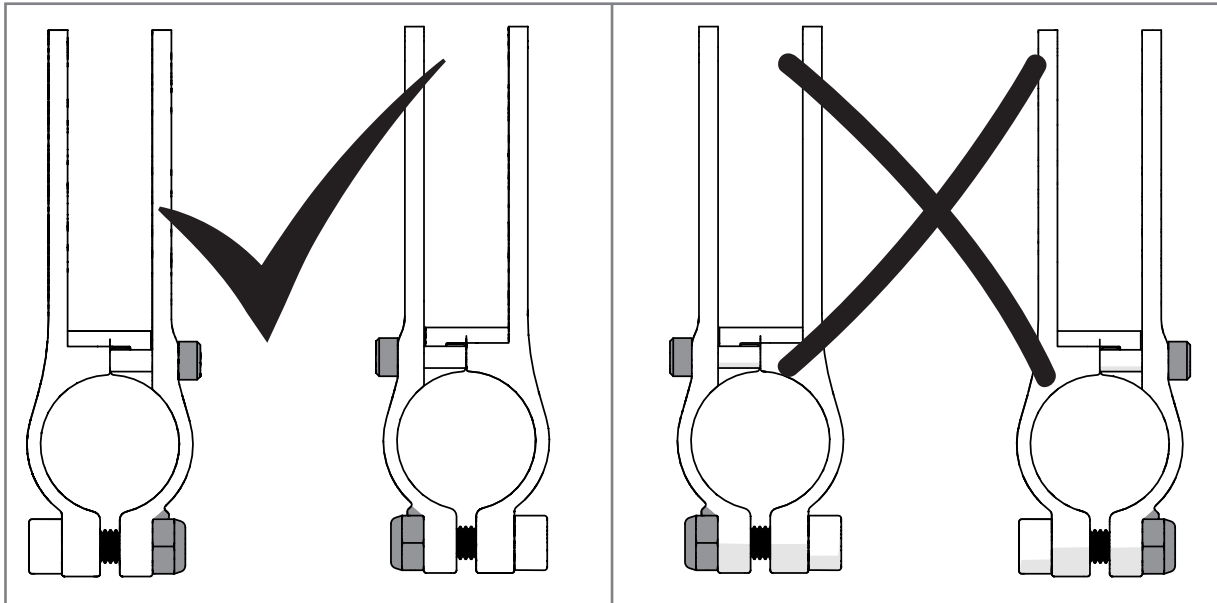
7. Remove the rear axle brackets by loosening and removing the screws, and pulling apart the parts parallel to the tube.

7



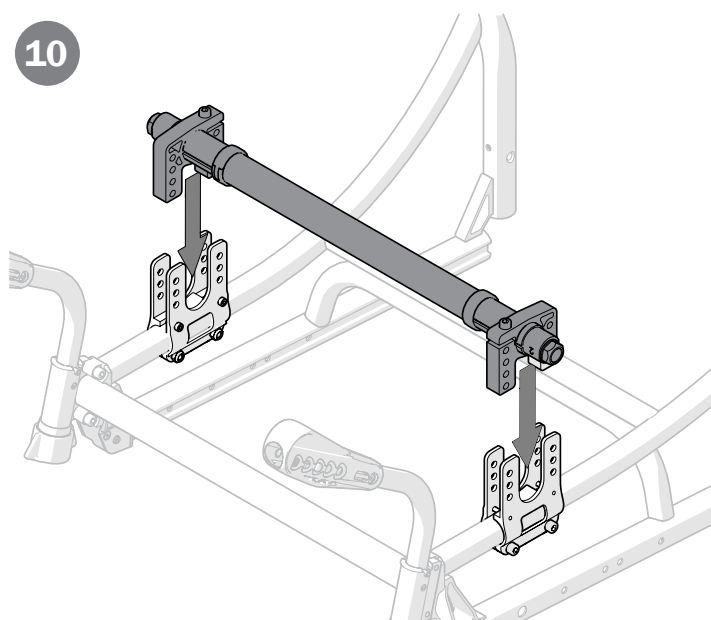
11. Advanced settings, adjustments

8. Fit the new rear axle brackets by sliding them together parallel to the tube. Tighten the screws that lock the profile in the track.
9. Mount screws and nuts without tightening.

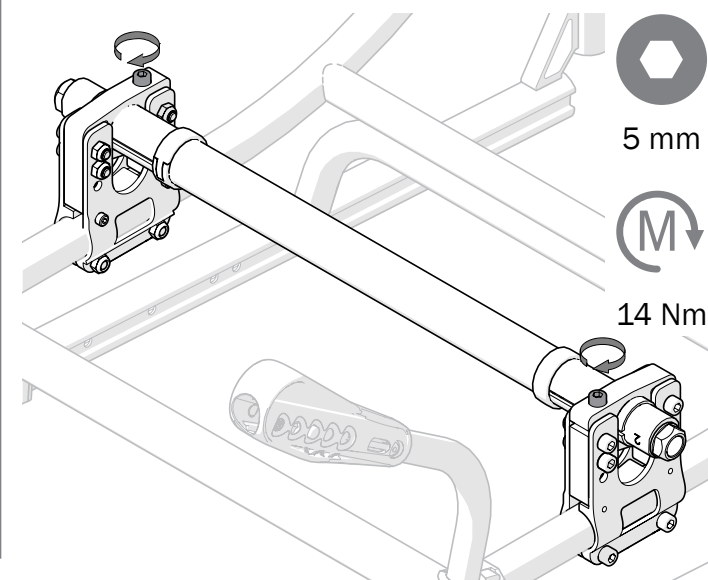
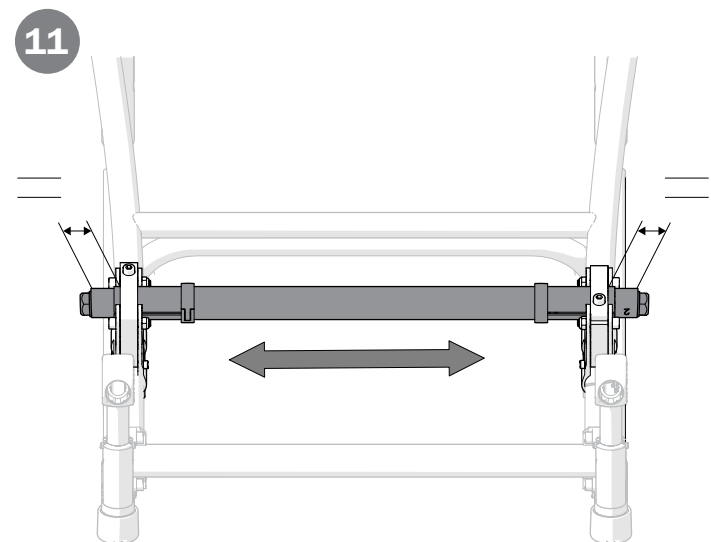
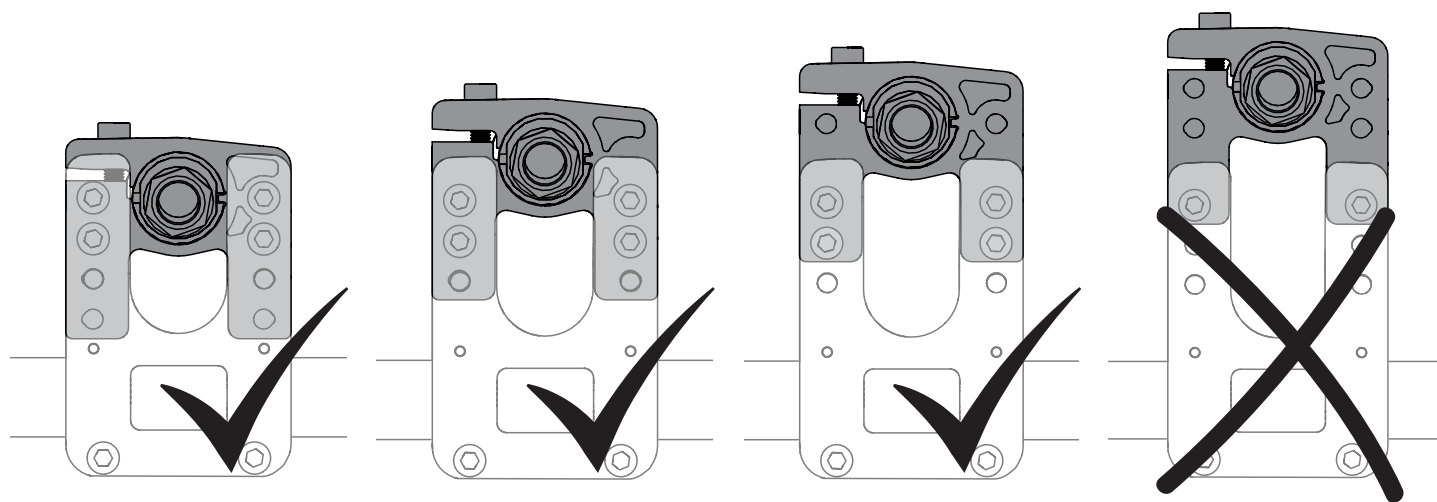
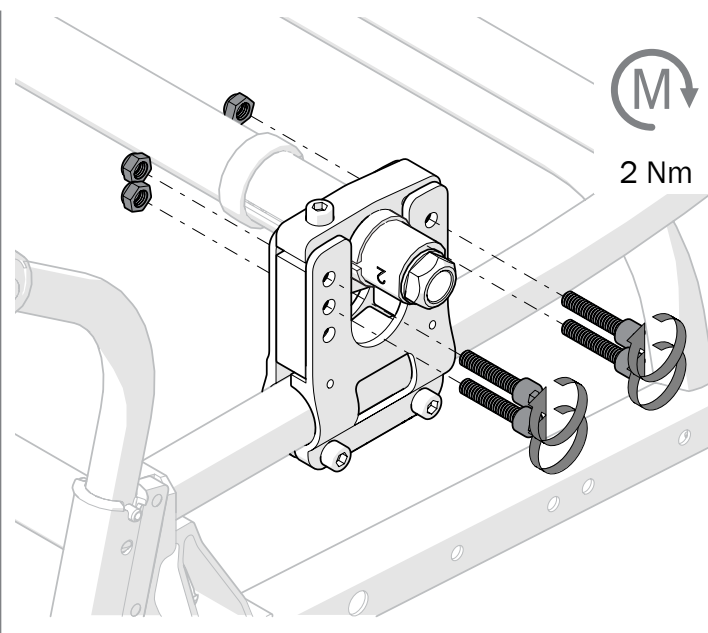


11. Advanced settings, adjustments

10. Fit the package with the rear axle and clamps at the selected height. Loosely tighten with four screws/nuts on each side. See also section entitled “Seat height table”.



11. Centre the rear axle and tighten the screws.

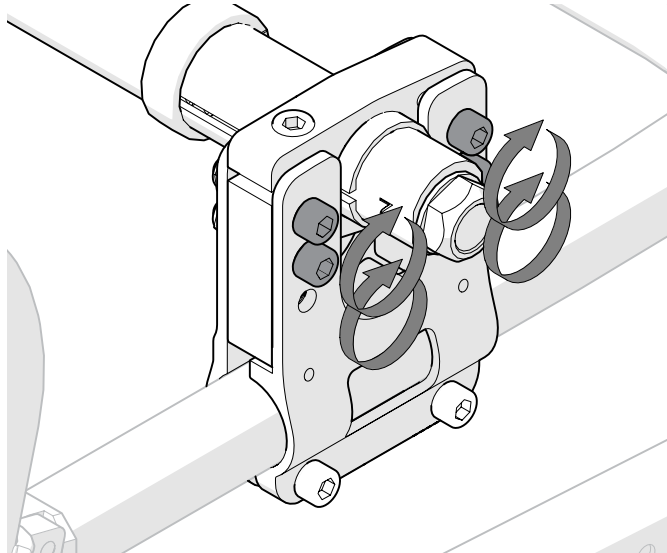


11. Advanced settings, adjustments

12. Tighten the screws.

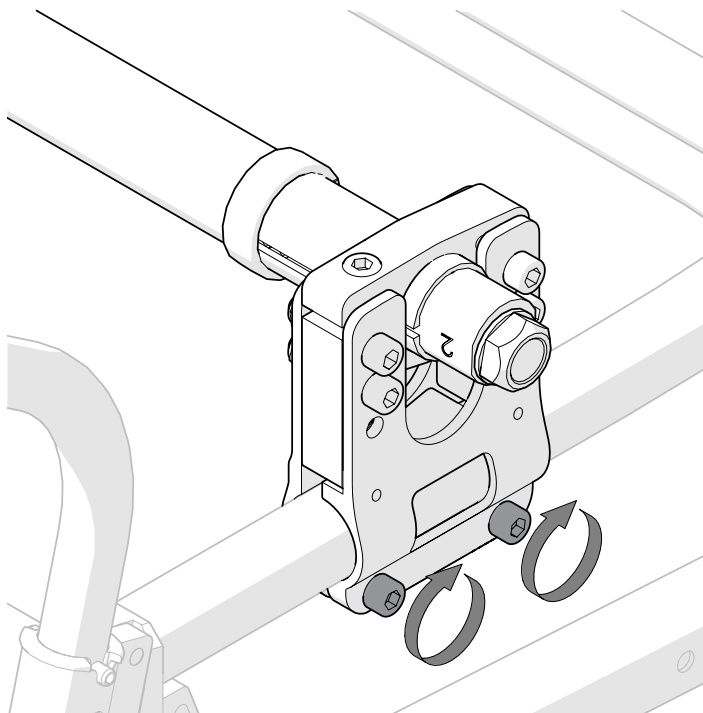
13. Set the centre of balance (see section entitled “*Change the rear wheel position/ centre of balance*”) and tighten the screws

12



7.5 Nm

13



7.5 Nm

11. Advanced settings, adjustments

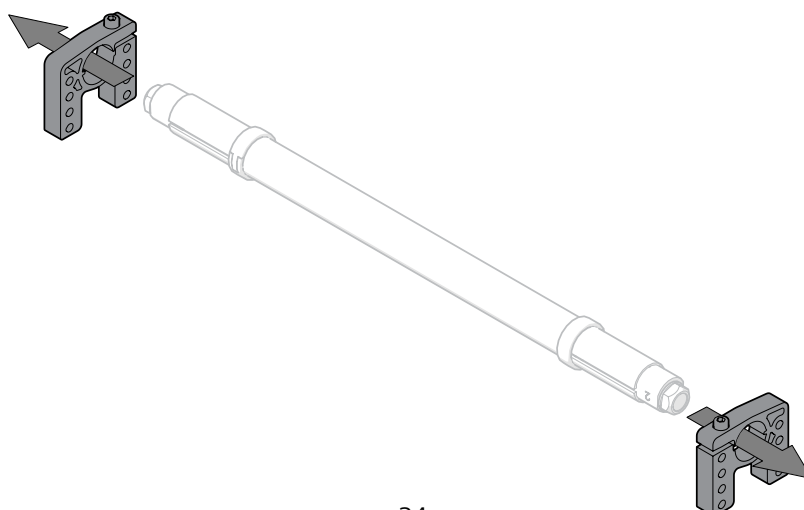
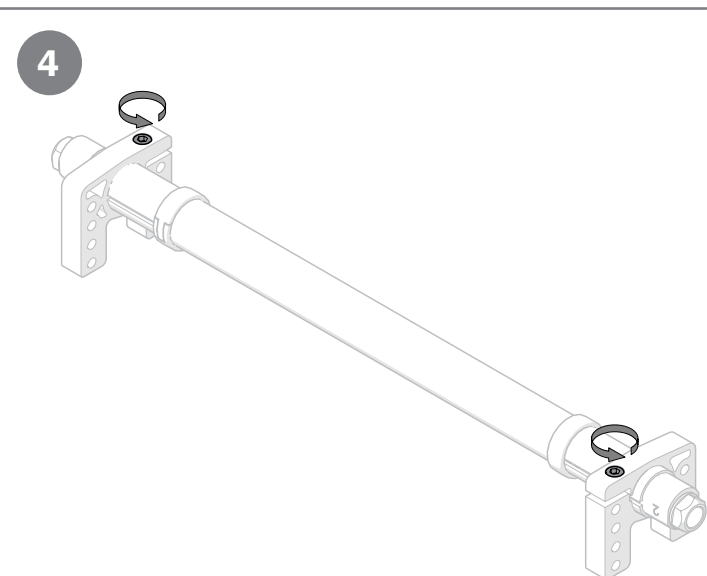
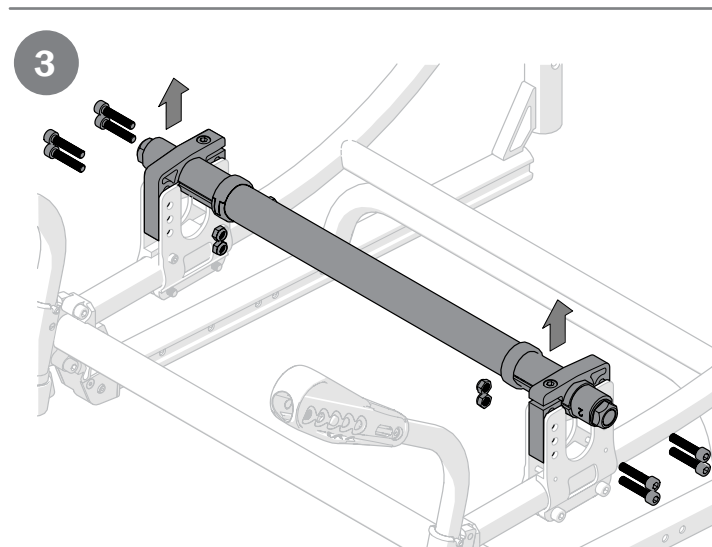
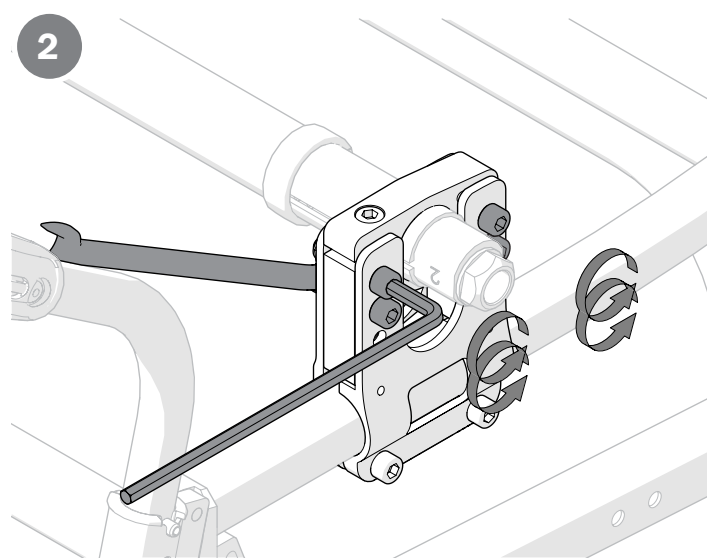
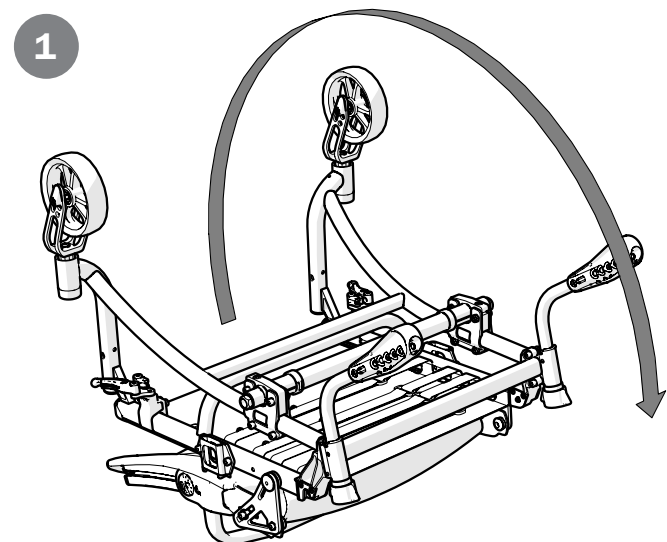
Replacing the rear axle bracket from high to standard

1. Remove the rear wheels and turn the chair upside down.
- 2-3. Loosen and remove the four screws/nuts and lift out the rear axle and its clamps.
4. Loosen the screws and remove the clamps from the rear axle.

Also check the brakes, see section “Brake, adjustment”.



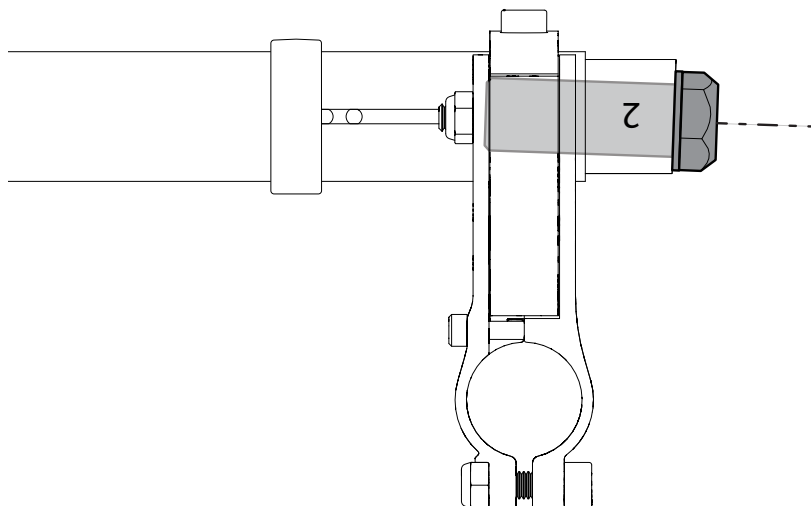
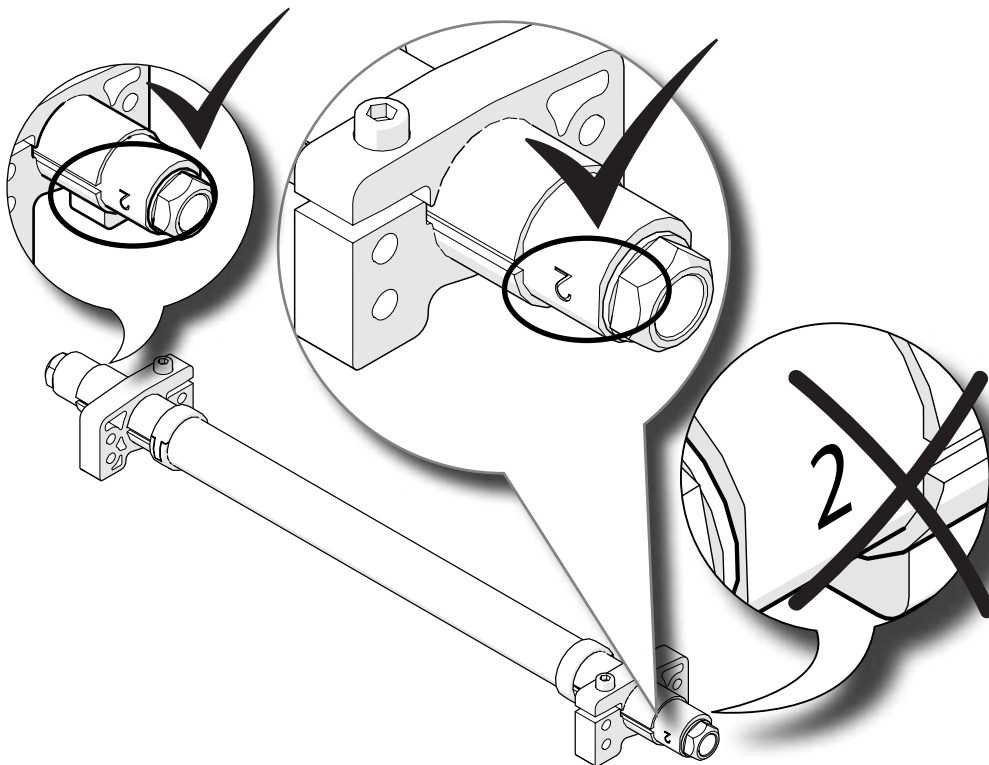
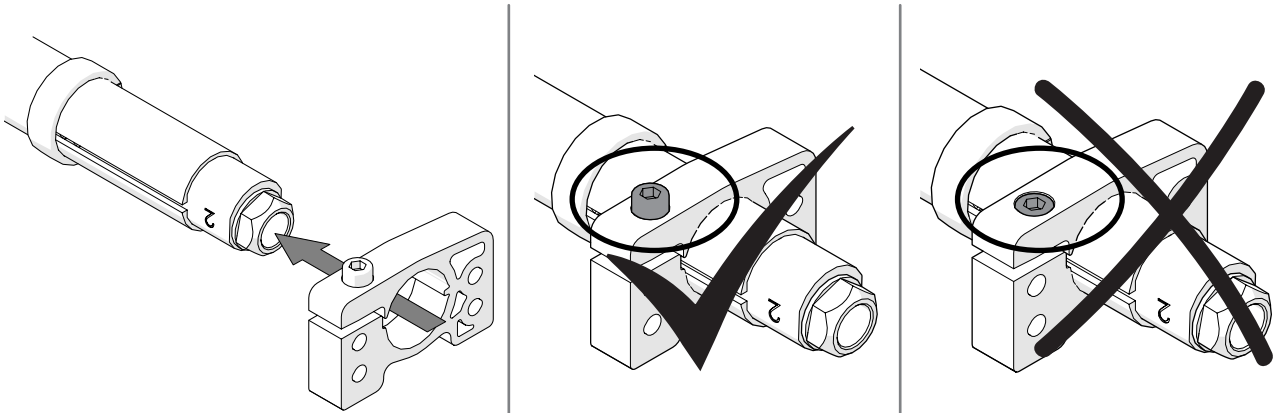
When attaching the rear wheels, make sure that the quick-release button fully returns. Test by pulling the wheel. Risk of injury.



11. Advanced settings, adjustments

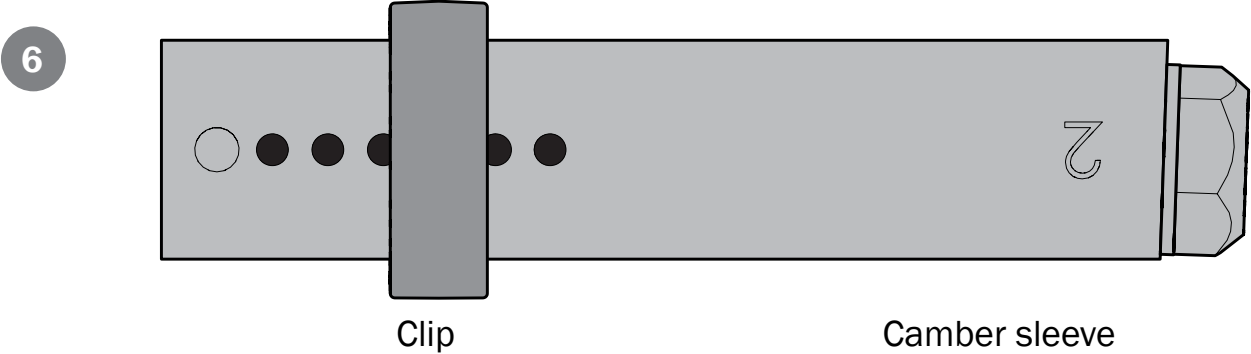
5. Slide on the new clamps without tightening the screws. Make sure that the camber angle is correct.

5



11. Advanced settings, adjustments

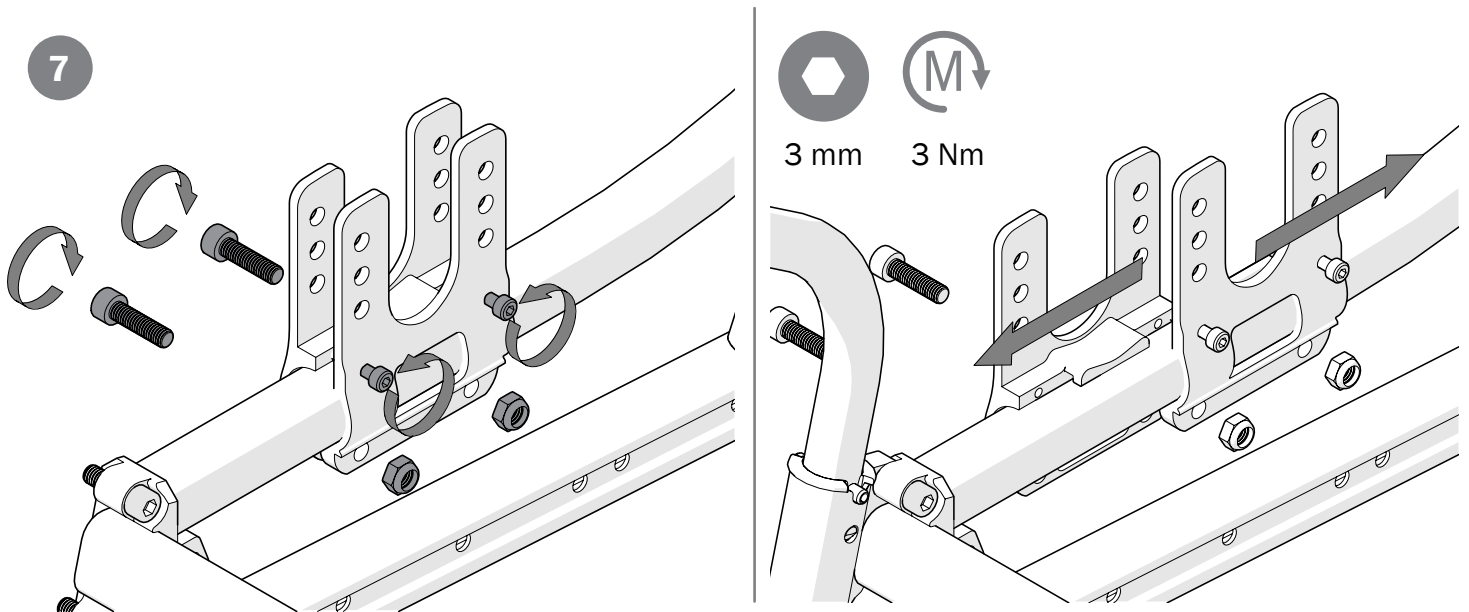
6. Adjust the camber sleeve and the camber sleeve clip so that the correct distance between the rear wheel and the frame is obtained.



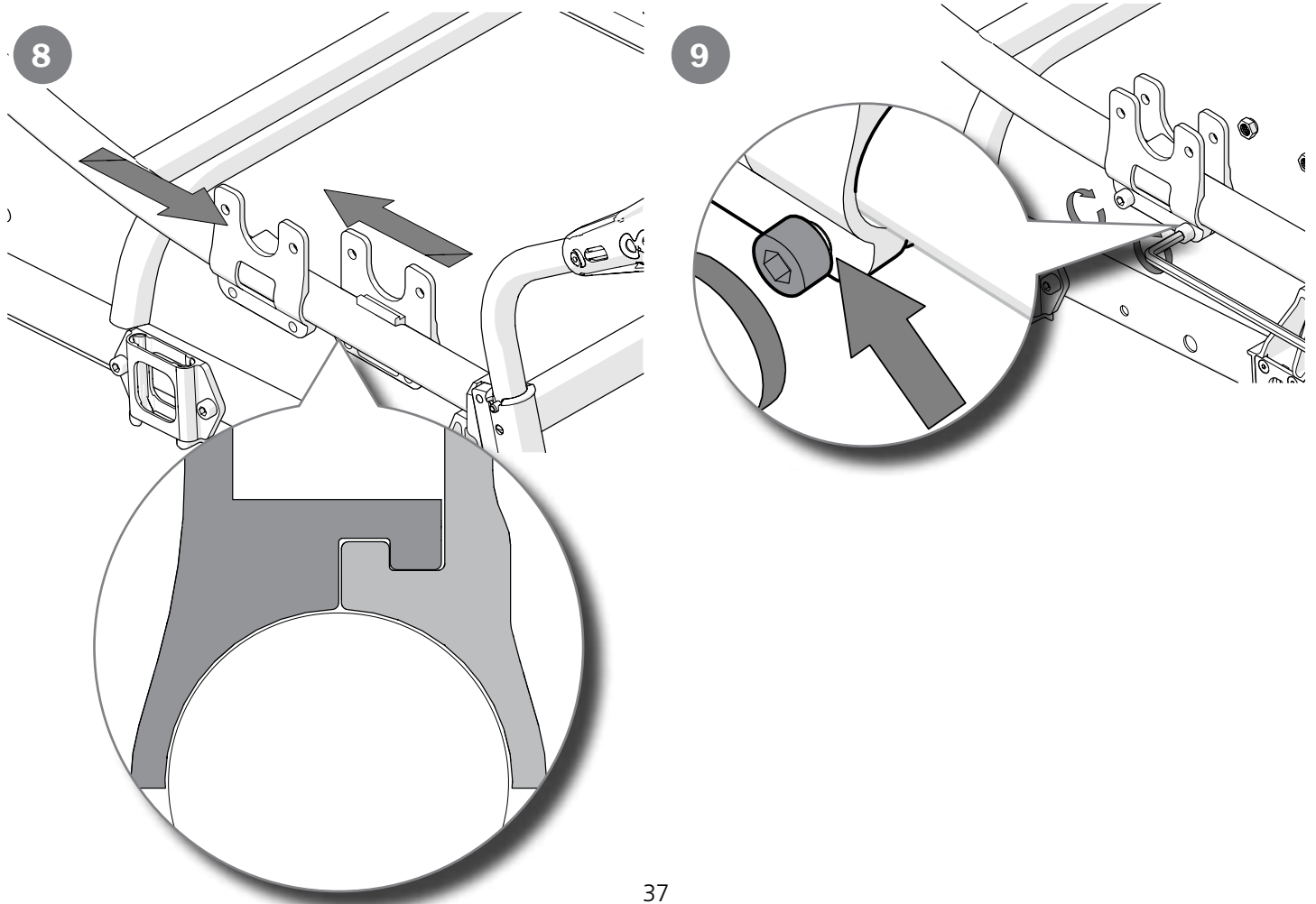
Standard	With attendant brake or widening kit
<p>This diagram shows a side view of the rear wheel assembly. A dashed line indicates the correct position for the camber sleeve and clip. The clip is positioned over the sleeve, and the sleeve is positioned over the wheel hub. The number '2' is visible on the sleeve.</p>	<p>This diagram shows a side view of the rear wheel assembly with an attendant brake or widening kit. A dashed line indicates the correct position for the camber sleeve and clip. The clip is positioned over the sleeve, and the sleeve is positioned over the wheel hub. The number '2' is visible on the sleeve.</p>

11. Advanced settings, adjustments

7. Remove the rear axle brackets by loosening and removing the screws, and pulling apart the parts parallel to the tube.

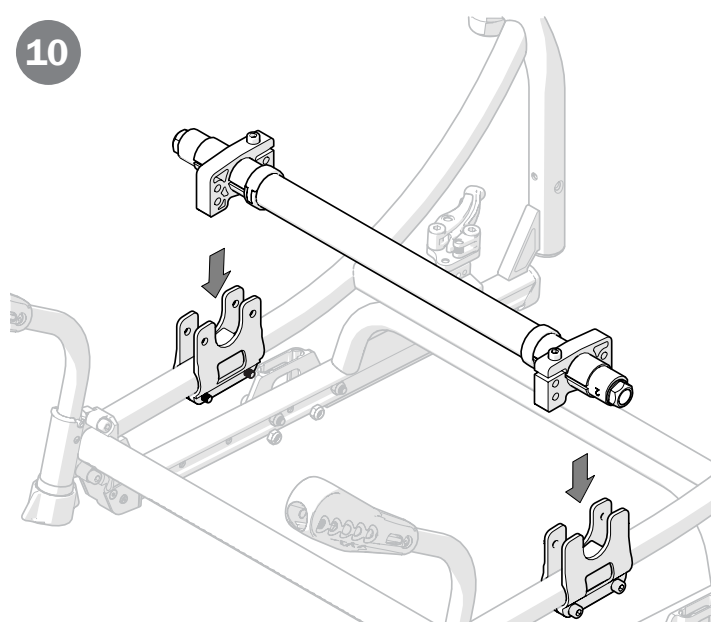


8. Fit the new rear axle brackets by sliding them together parallel to the tube.
9. Mount screws and nuts without tightening.



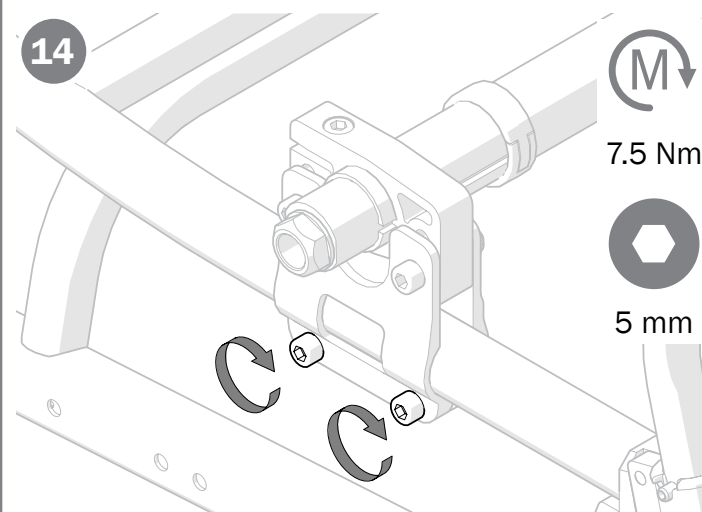
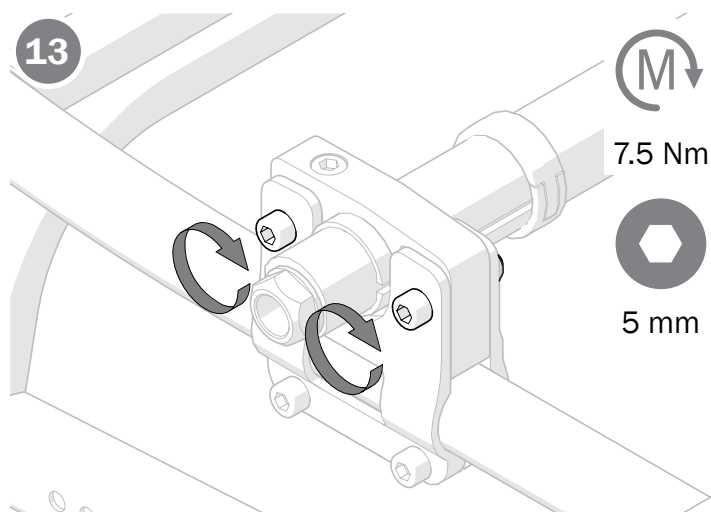
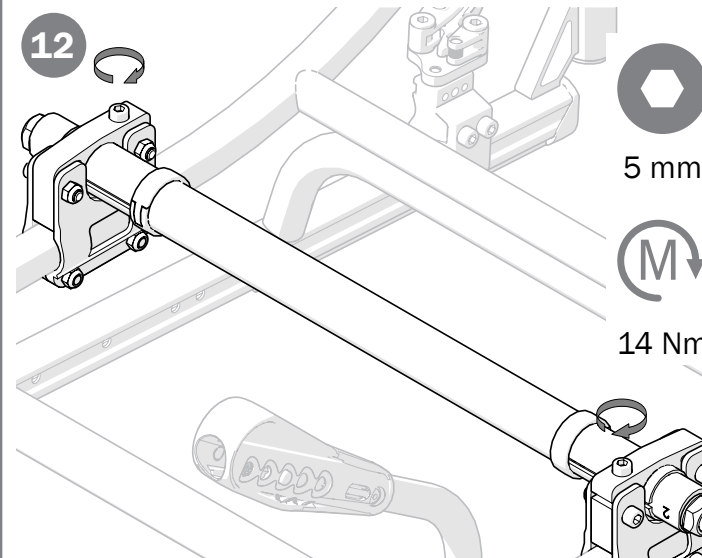
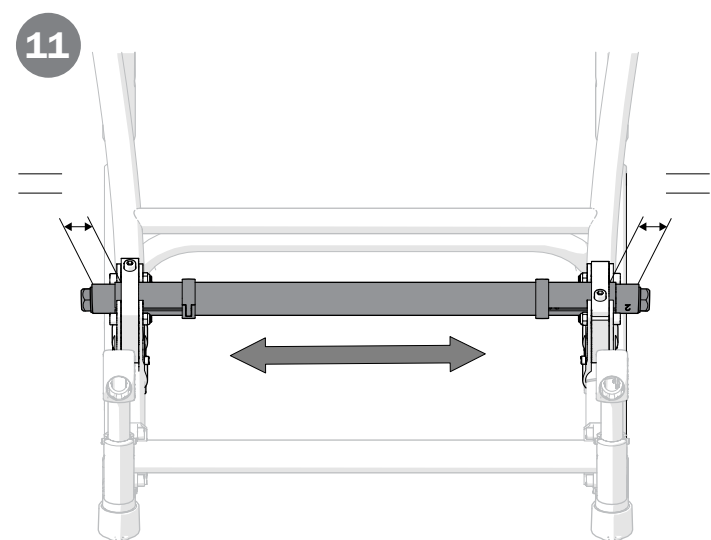
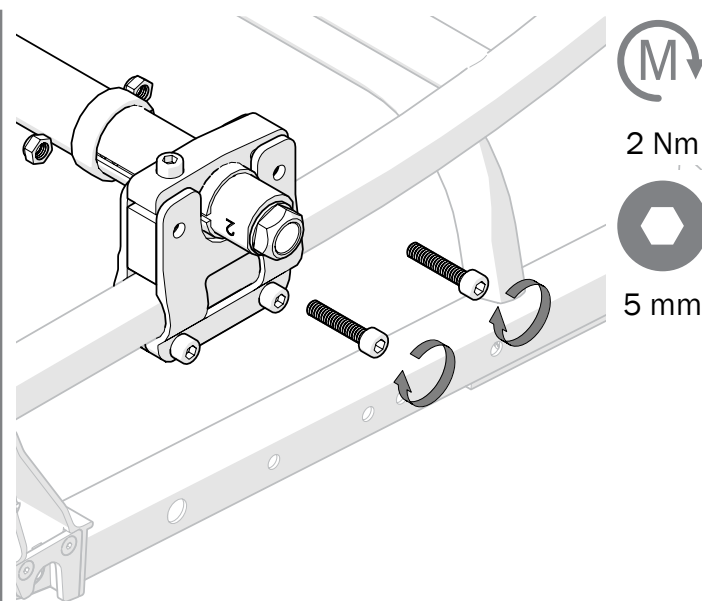
11. Advanced settings, adjustments

10. Fit the package with the rear axle and clamps at the selected height. Loosely tighten the screws. See also section entitled "Seat height table".



11-13. Centre the rear axle and tighten the screws.

14. Set the centre of balance (see section entitled "Change the rear wheel position/centre of balance") and tighten the screws.

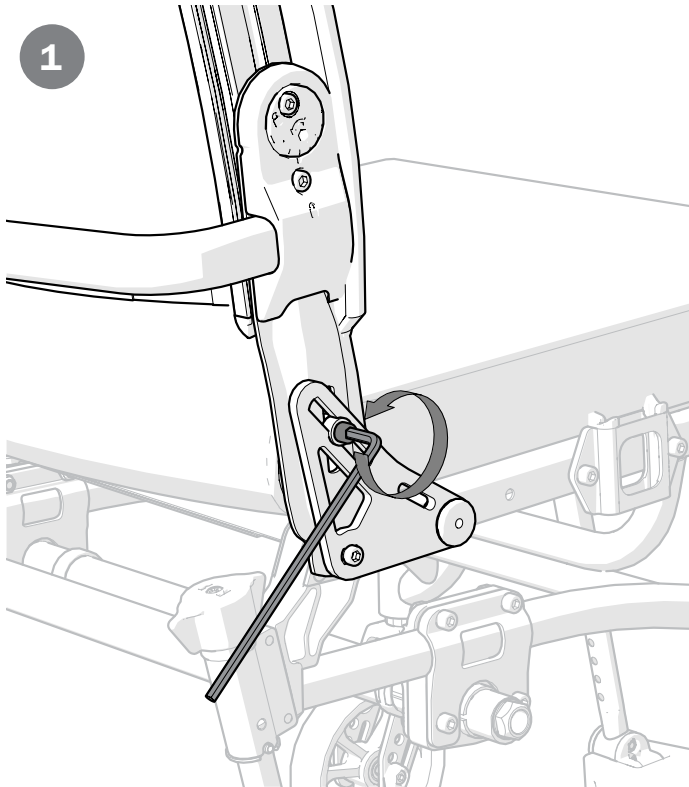


11. Advanced settings, adjustments

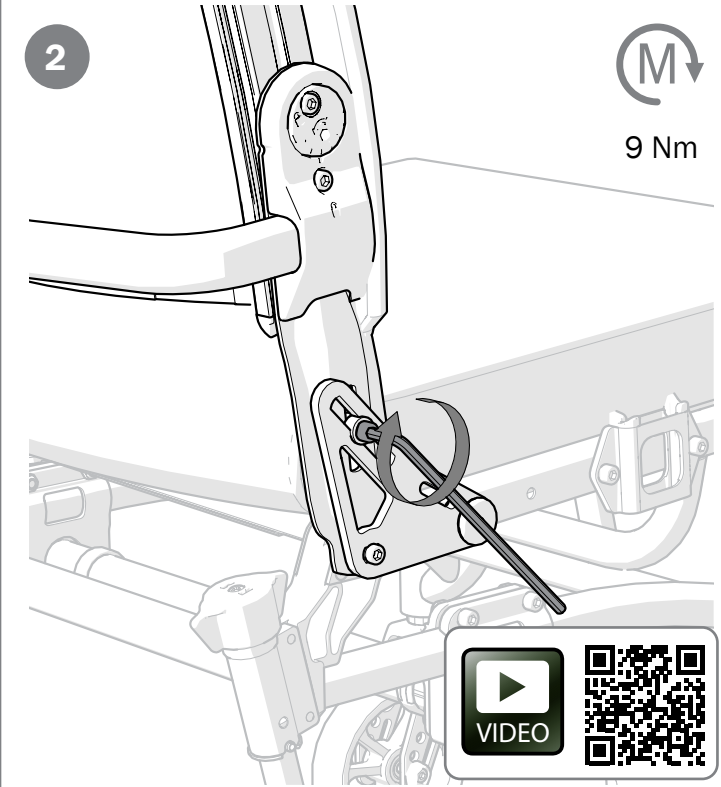
Adjust back support angle

The back support angle is continuously adjustable (see “Chair options”).

1. Loosen the screw.



2. Adjust the back support angle. Check to ensure that the right and left back support profiles have the same angle.
3. Tighten the screw.



11. Advanced settings, adjustments

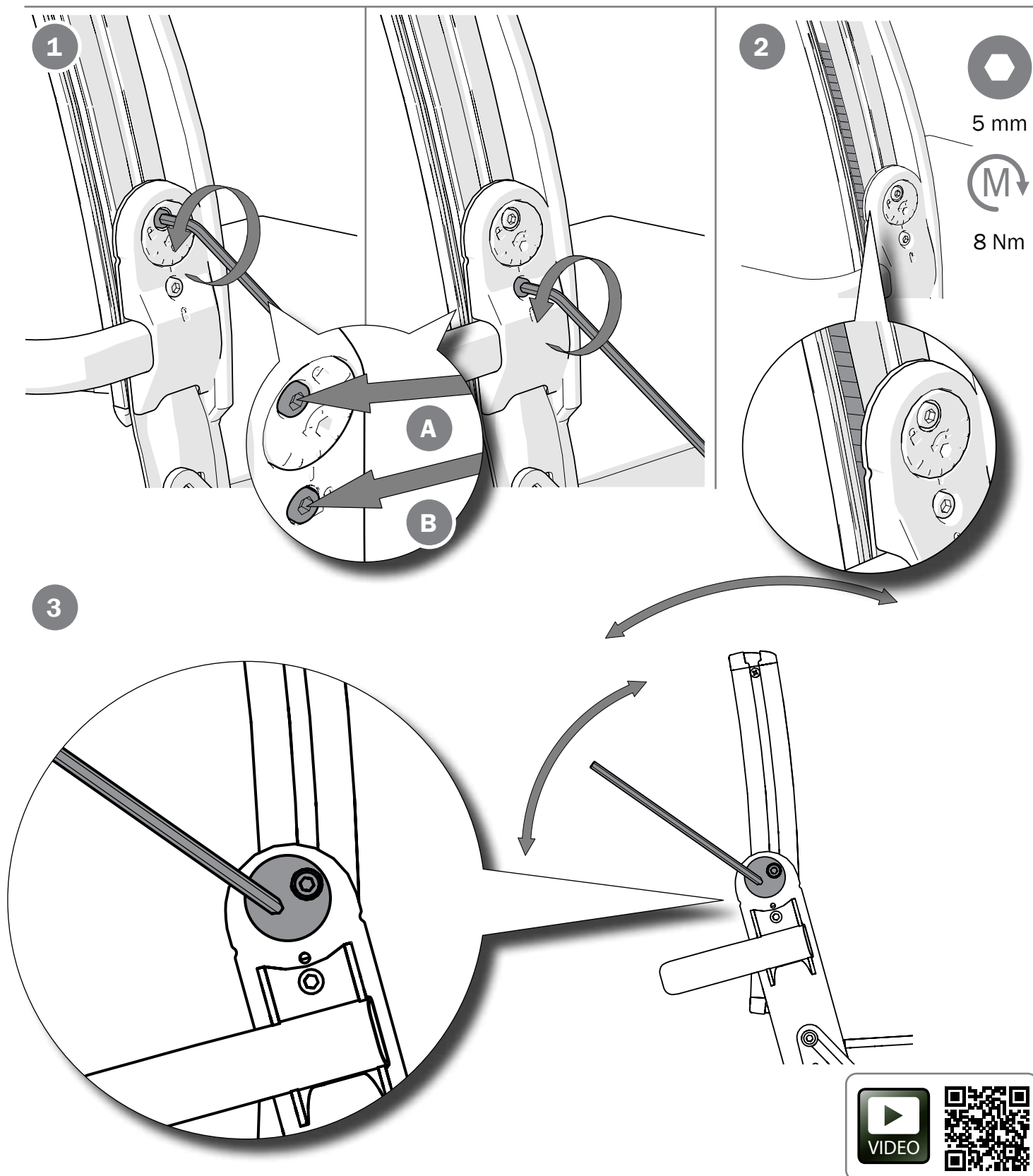
Adjust back support height and lumbar angle

The back support height and lumbar angle are adjustable (see “Chair options”).

1. Loosen locking screws A and B max. 1 turn.
2. Adjust the back support height using the scale and the marking on the lower back rail. Tighten locking screw B 1/2 turn so that the back rail cannot change in height.

3. Insert the Allen key into the key grip of the eccentric sleeve and set the desired lumbar angle.

4. Tighten the locking screws.



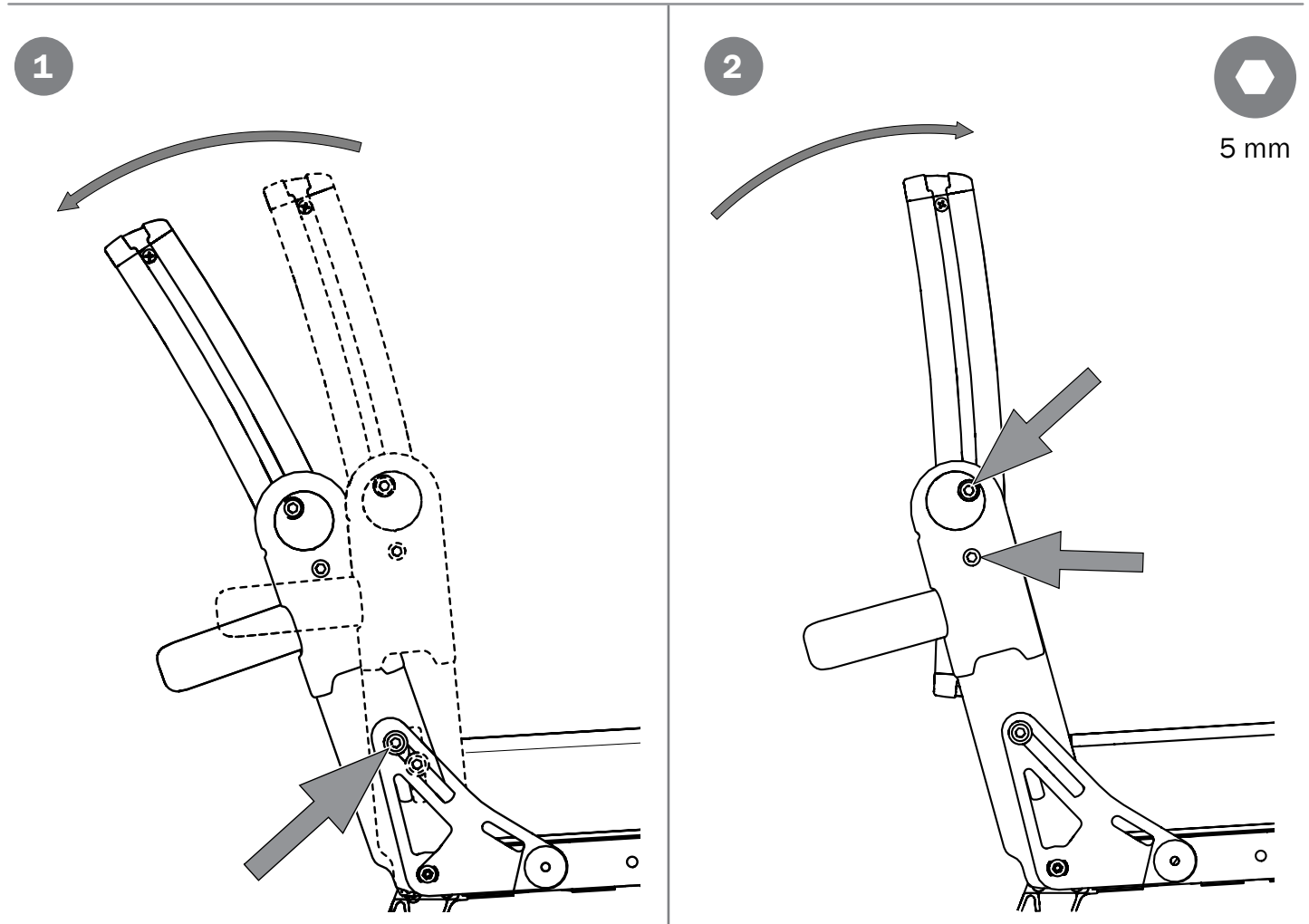
11. Advanced settings, adjustments

Adjust seat depth

The seat depth is adjusted by adjusting the back support angle and then the lumbar angle.

1. Adjust the back support angle (see section entitled "Adjust back support angle 3A").
2. Adjust the lumbar angle using the eccentric

sleeve to the desired back support angle (see "Adjust back support height and lumbar angle, 3A").

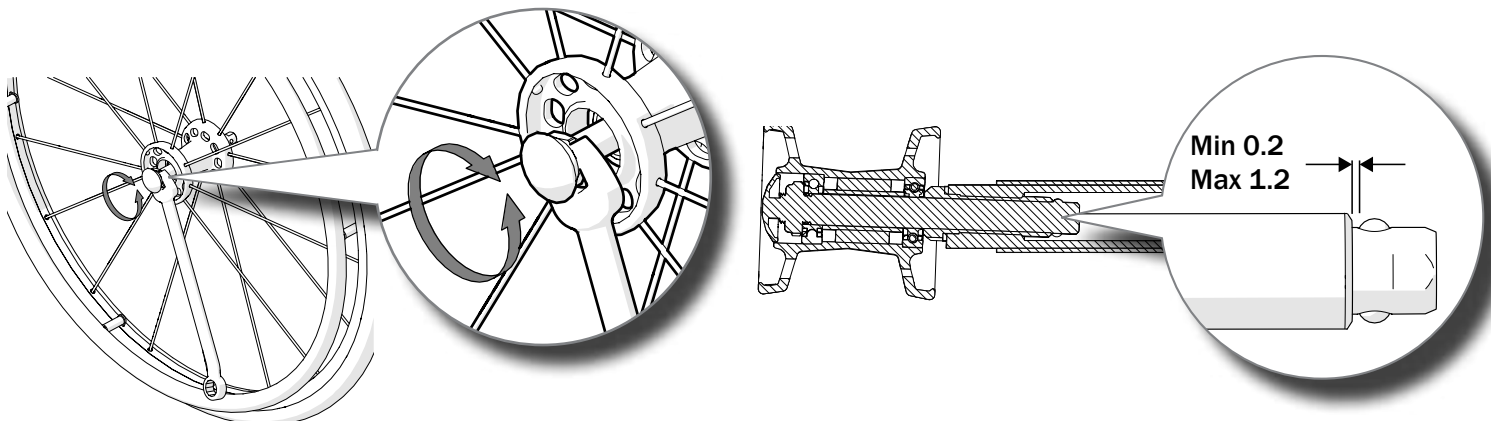


Rear wheel with quick-release

The distance between the hub sleeve and the locking balls can be adjusted by adjusting the nut on the outside of the axle. The distance between the hub sleeve and the locking balls should be 0.2 to 1.2 mm.



When attaching the rear wheels, make sure that the quick-release button fully returns. Test by pulling the wheel. Risk of injury.



12. Settings, readjustments

Brake (scissor brake), adjustment

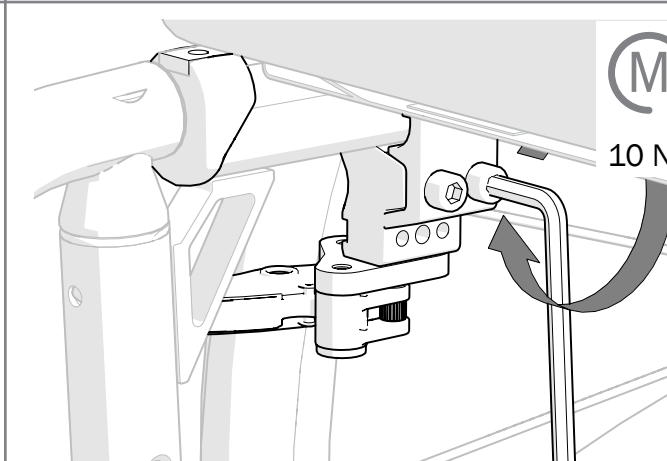
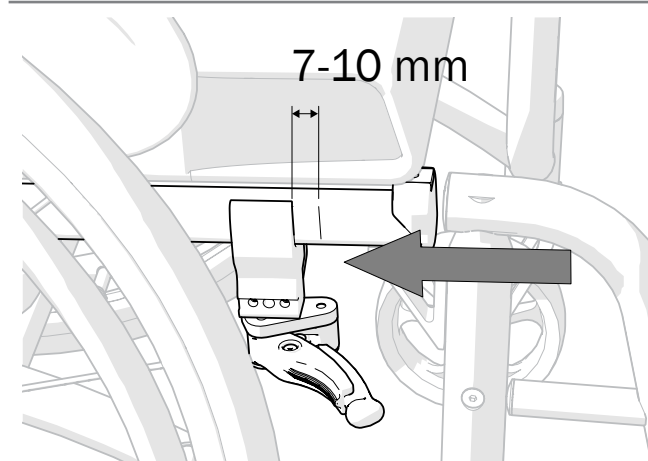
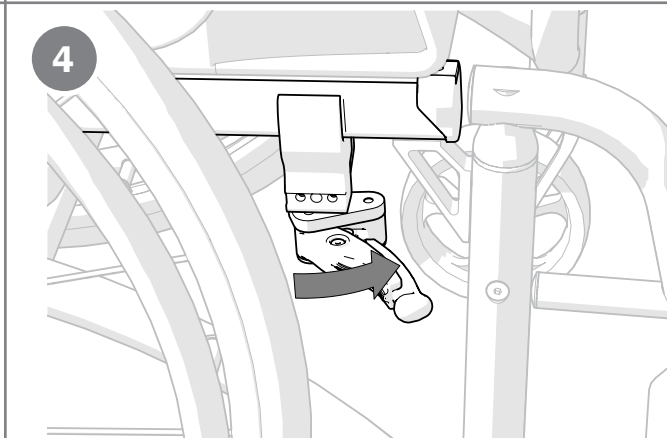
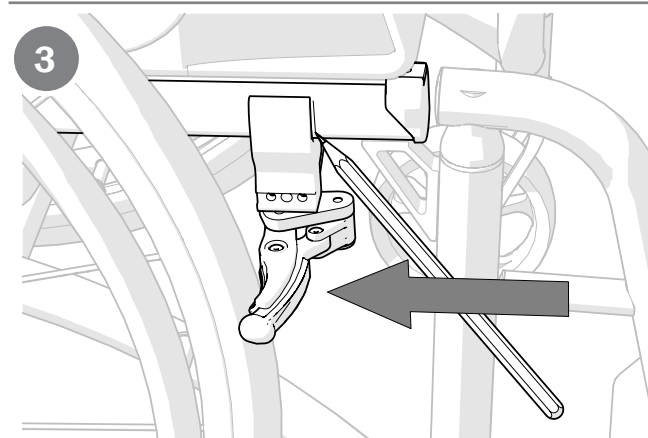
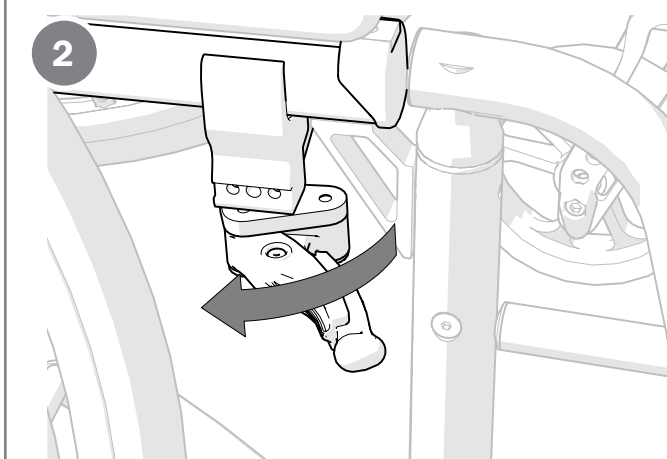
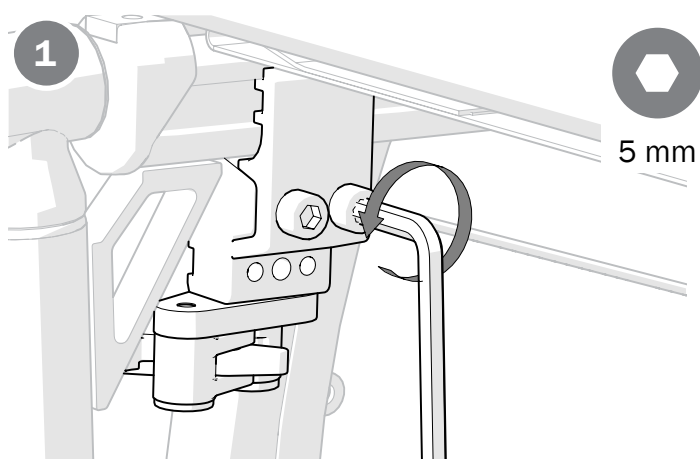
The brake is continuously adjustable.

1. Loosen the screws.
2. Set the brake lever in "braking position".
3. Slide the brake towards the tyre and make a mark on the frame with a pencil.
4. Deactivate the brake and move it approx.

7-10 mm in the direction of the rear wheel.
Tighten the screws and test the brake.
Adjust as necessary.



The braking effect depends on the air pressure in the tyres. The brake is a parking brake and shall not be used as a service brake.



12. Settings, readjustments

Brake (knee brake), adjustment

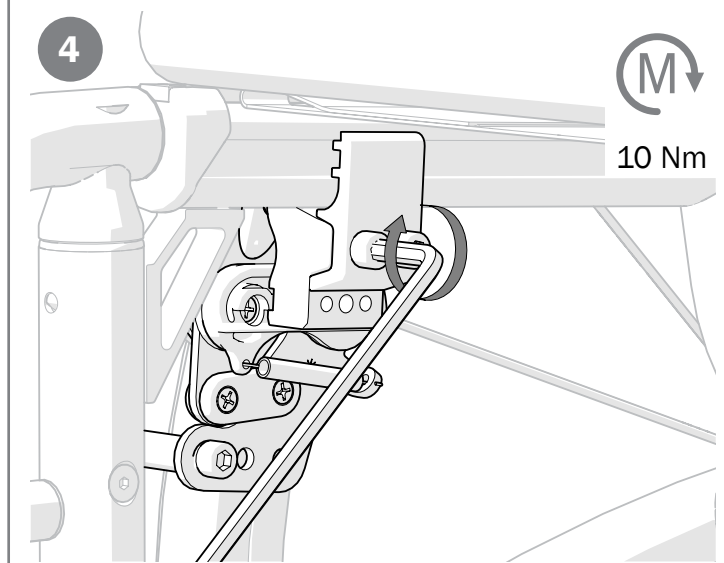
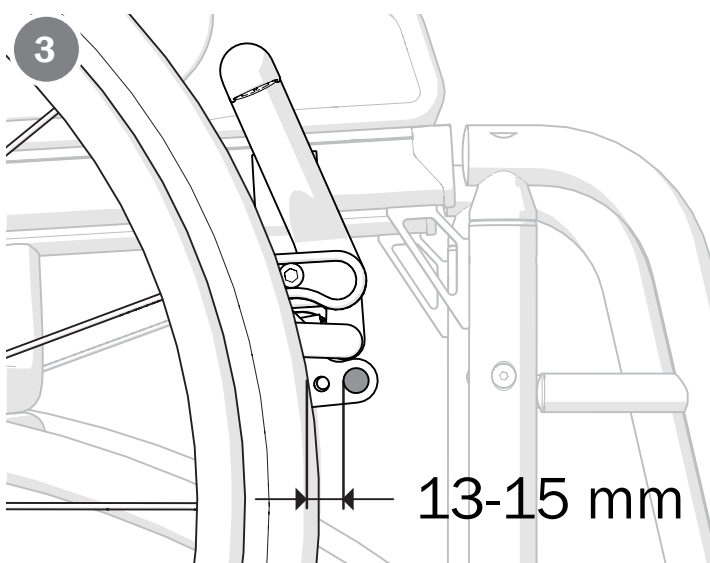
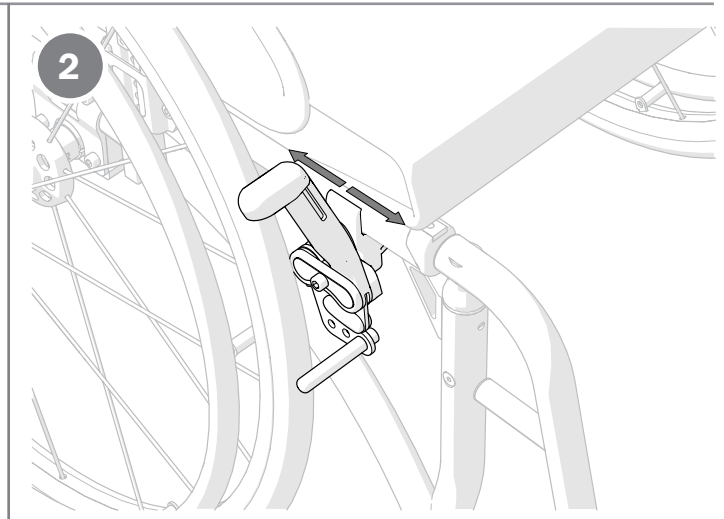
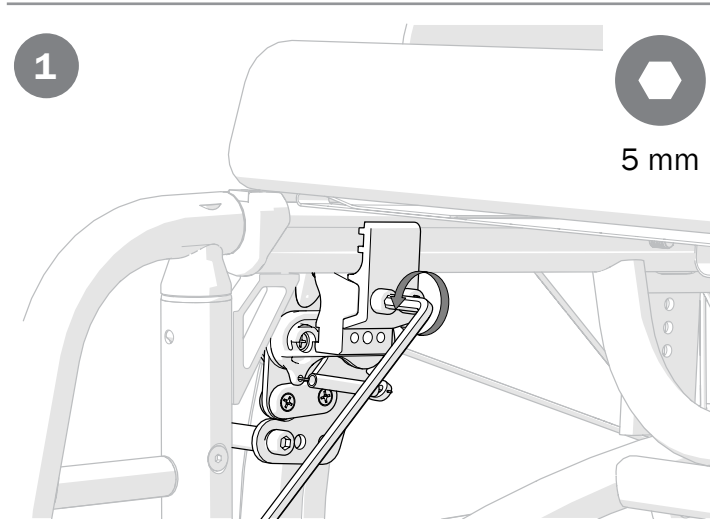
The brake is continuously adjustable.

1. Loosen the screws.
- 2-3. Adjust the brake's position. The brake pin should be approx. 13-15 mm from the tyre in unbraked mode.

4. Tighten the screws and test the brake.
Adjust as necessary.



The braking effect depends on the air pressure in the tyres. The brake is a parking brake and shall not be used as a service brake.



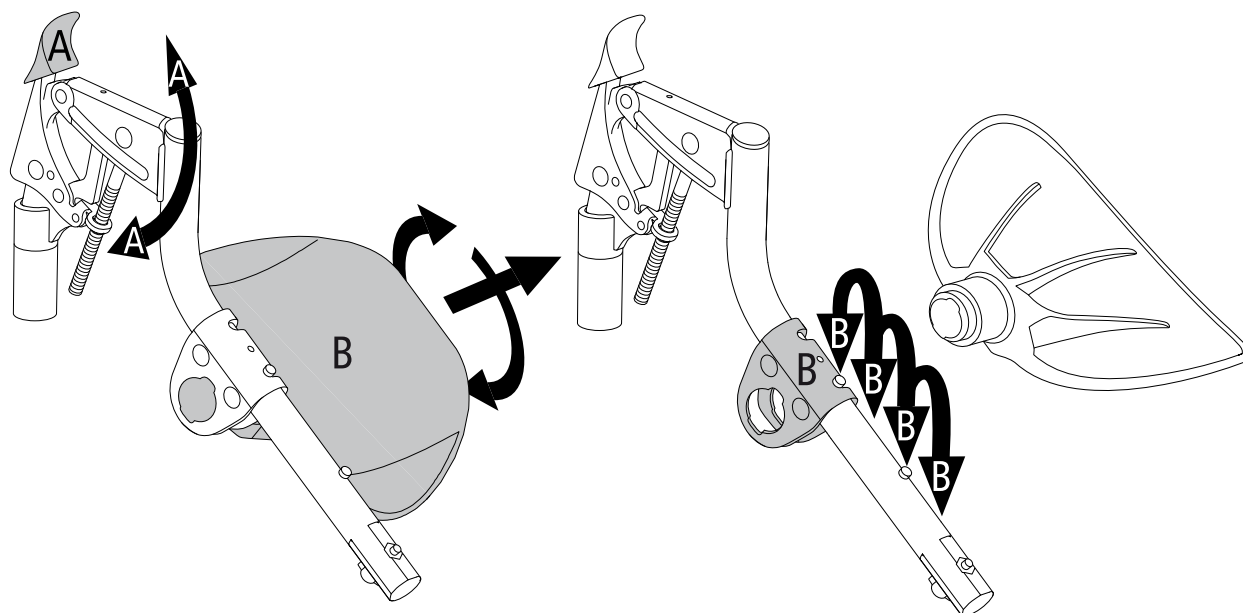
12. Settings, readjustments

Leg support, continuously elevating

Elevating leg supports can be adjusted.



Do not lift the wheelchair by the leg supports. Risk of injury.

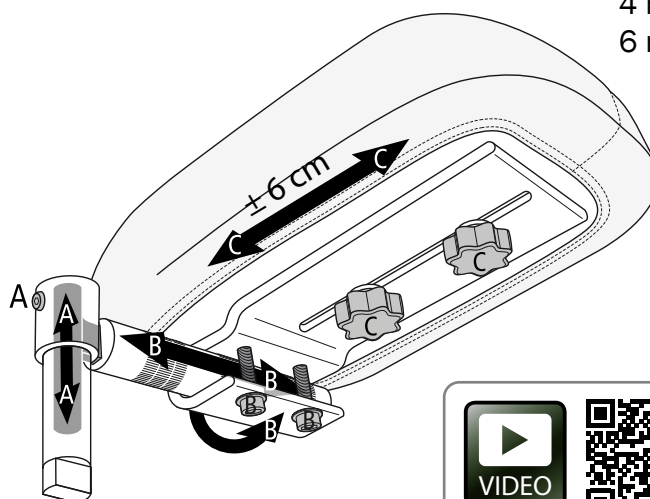


Amputee leg support

The amputee leg support is adjustable in height, depth and width.



4 mm
6 mm



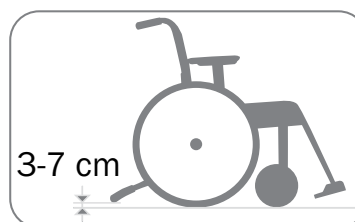
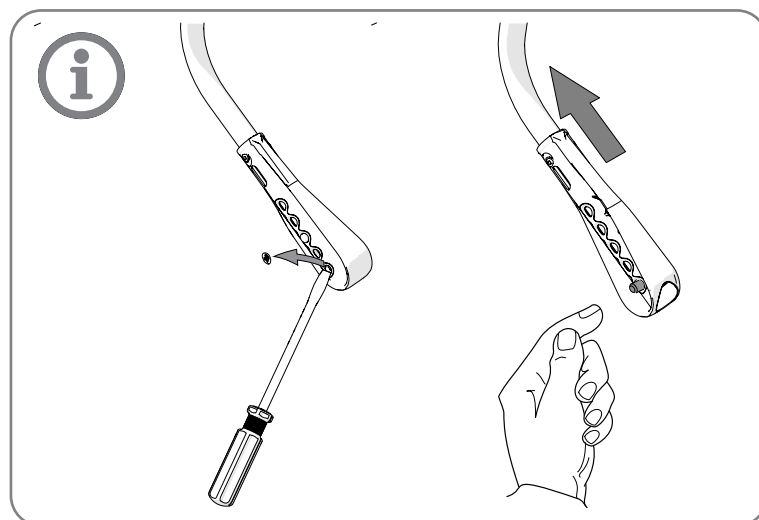
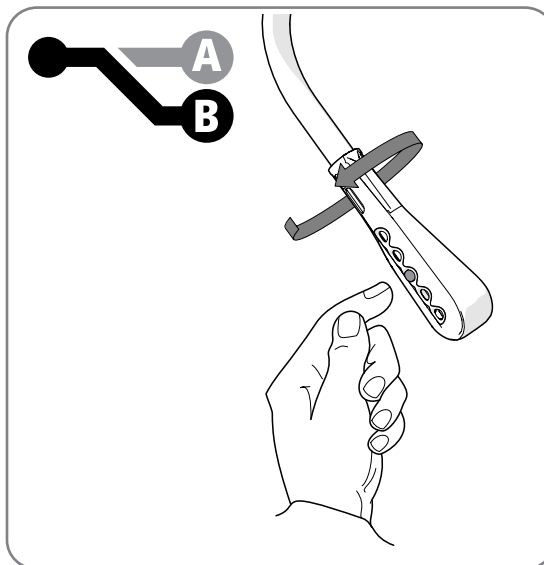
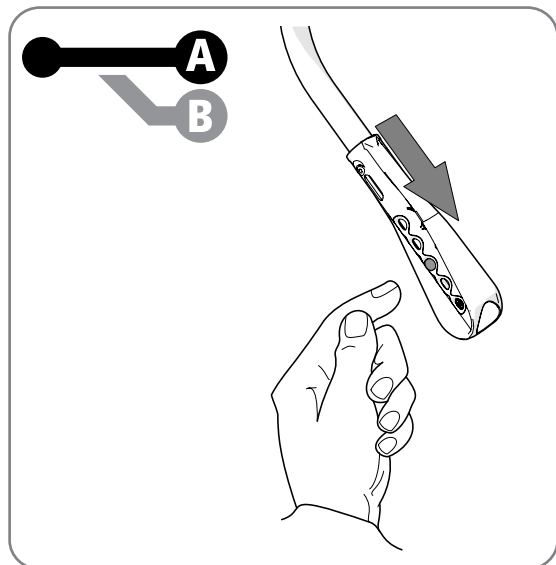
12. Settings, readjustments

Anti-tip guard

The anti-tip guards are adjustable in height and length. When adjusting the seat height, the anti-tip guards may need to be replaced (see also section entitled “Seat height table”).



The function of the anti-tip guard must be checked in connection with all settings and adjustments made to the chair. Adjust or replace the anti-tip guard in accordance with the seat height table.



Handrims

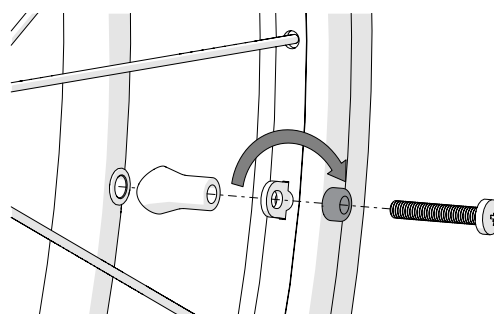
The material of the handrims and the distance between the rear wheels and handrims affect the user's ability to grip.



Fingers can be injured if they get between the spokes. Spoke protection is available as a means to prevent injury.

Handrim distance

The handrim distance can be adjusted by moving the short spacer.



Ph 2

12. Settings, readjustments

Arm support

1. The height of the arm supports is adjustable.

The square nut both sets the height of the arm support and attaches the side guard:

- Loosen the screw holding the square nut.
- Slide the side plate up or down to the desired height.
- Re-tighten the nut on the side plate.

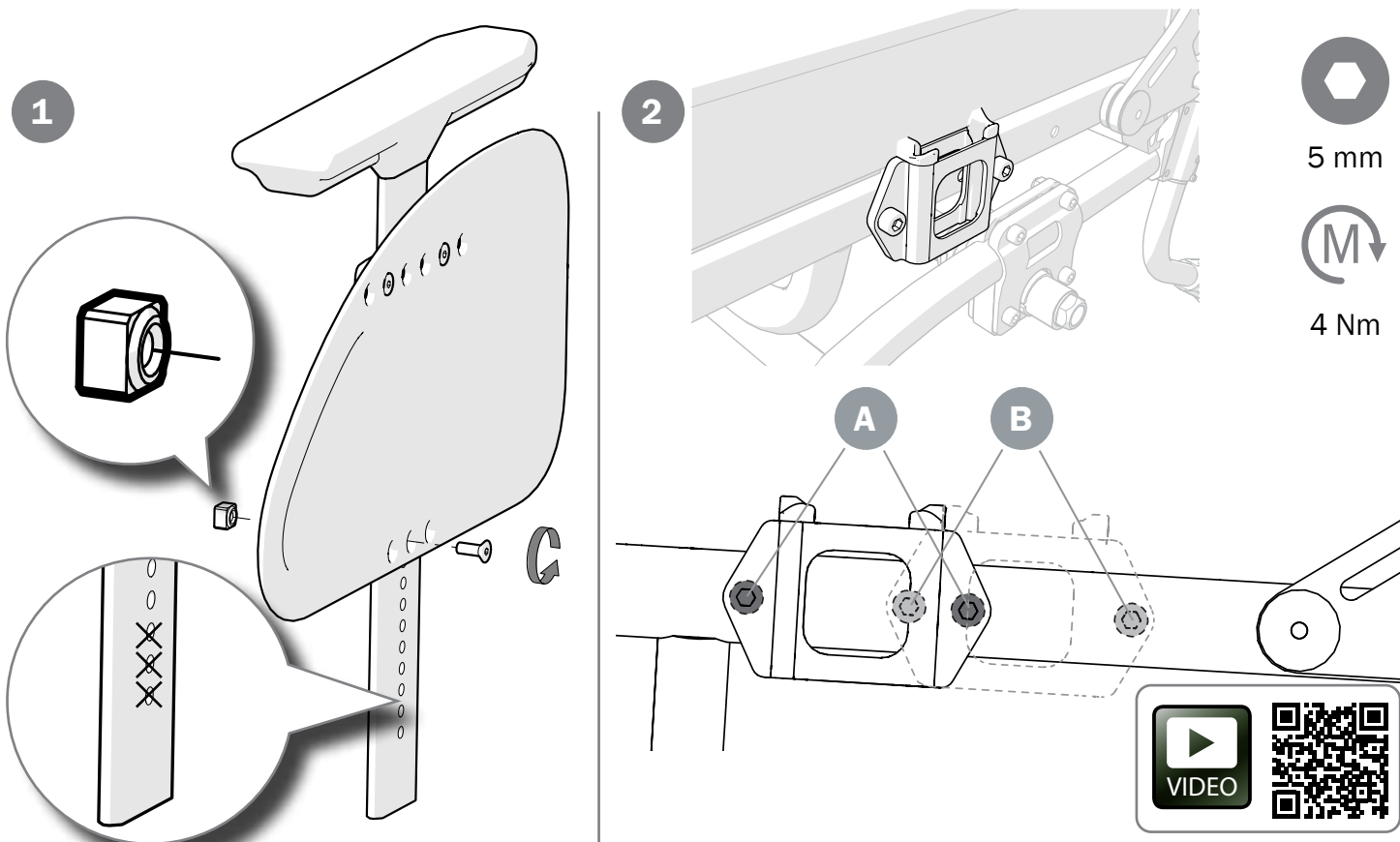
Maximum arm support height 29 cm.

The depth of the side guard can be adjusted.

2. The arm support brackets can be mounted with two different depth positions.

Loosen the screws and move the bracket.

If necessary, the right arm support can be mounted on the left side, and vice versa.

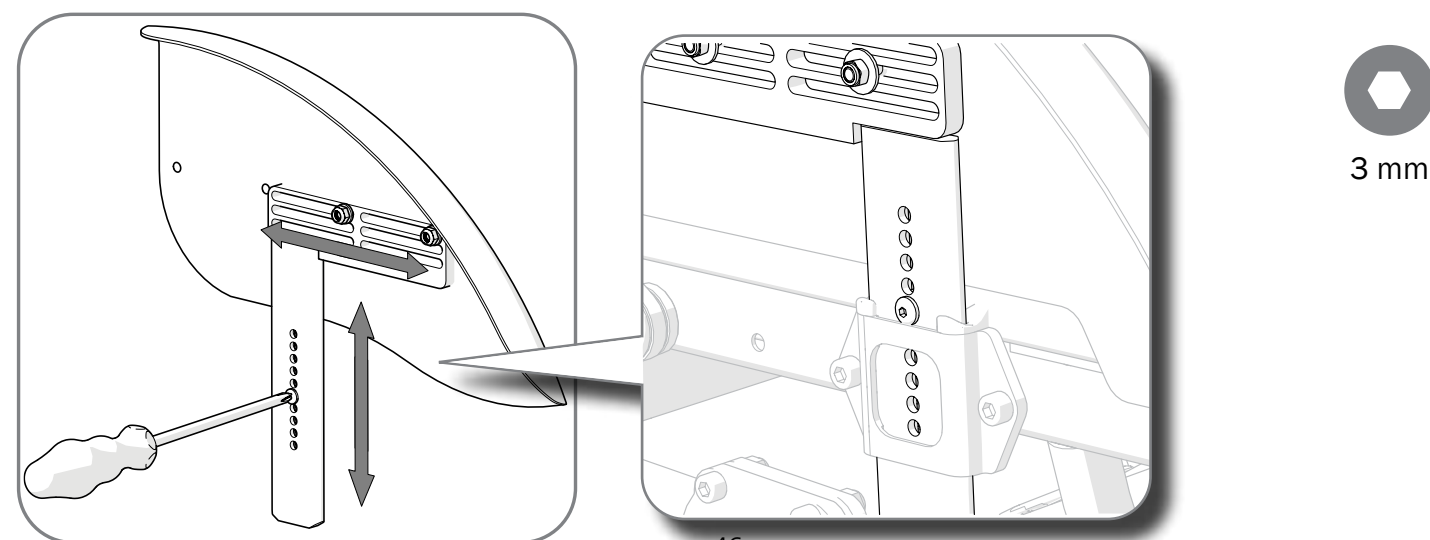


Mudguard

The height and depth of the mudguard can be adjusted.

If necessary, the mudguard can be cut by so-

meone with knowledge of carbon materials. The cut surface should be sanded smooth and covered with clear varnish (e.g. nail polish).



13. Settings, accessories

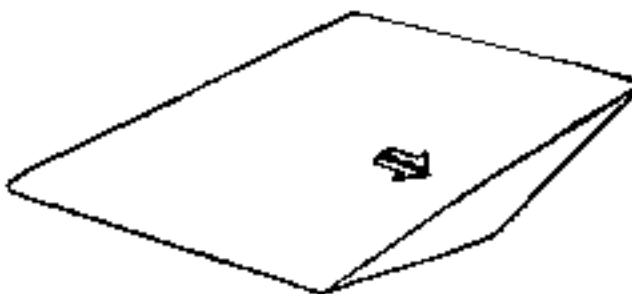
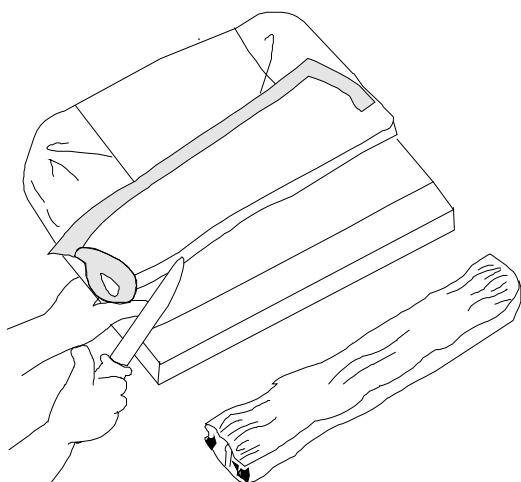
Assembly instructions are always included with the accessories when they are delivered from Etac. Instructions can also be found on our website, www.etac.com

Seat cushion and comfort wedge

Trim the seat cushion to the set seat depth at the front or rear edge. When measuring the length, make sure that the cushion lies firmly between the back tubes with the rounded corners facing backwards.

The cushion is standard, and is not intended for users with pressure sores.

The cushion can be supplemented with a **comfort wedge**. This flattens the front edge of the seat, which significantly improves seating comfort. Place the comfort wedge in the inner pocket of the cushion cover on the underside of the cushion. The arrow on the comfort wedge must be facing upwards and pointing forwards.

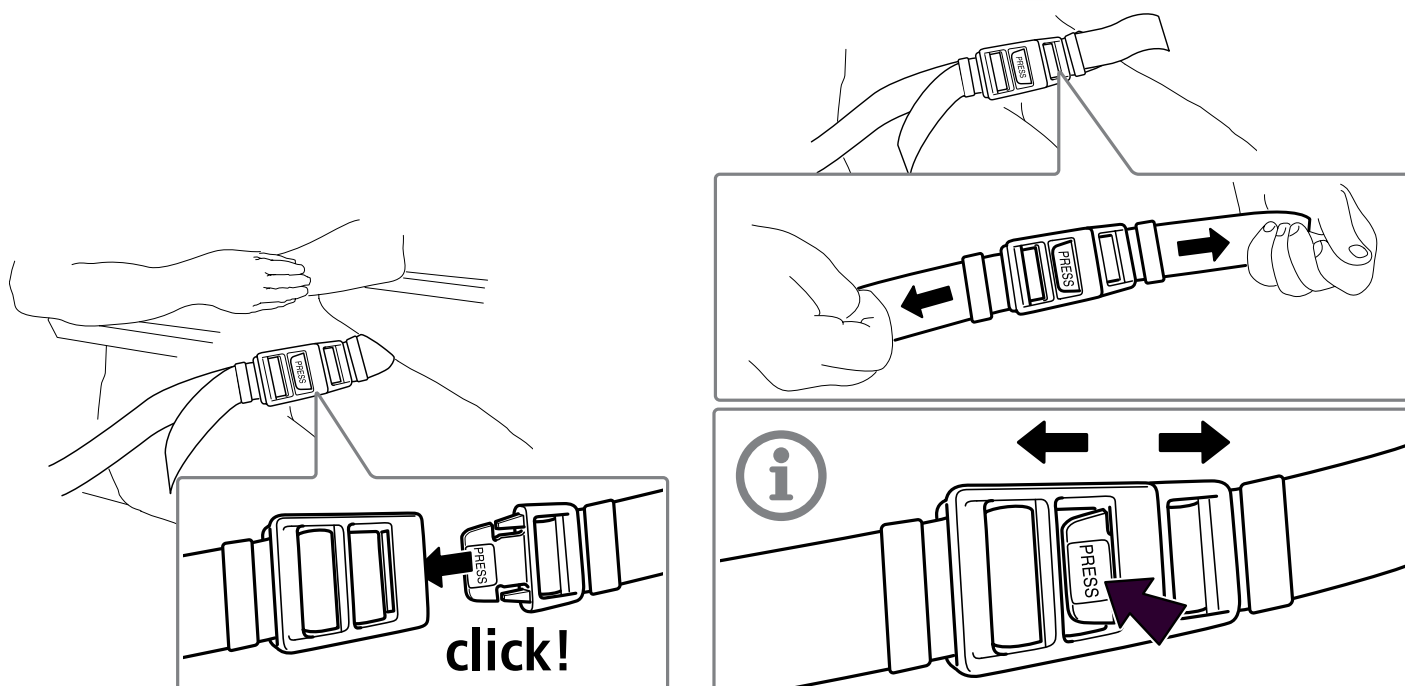
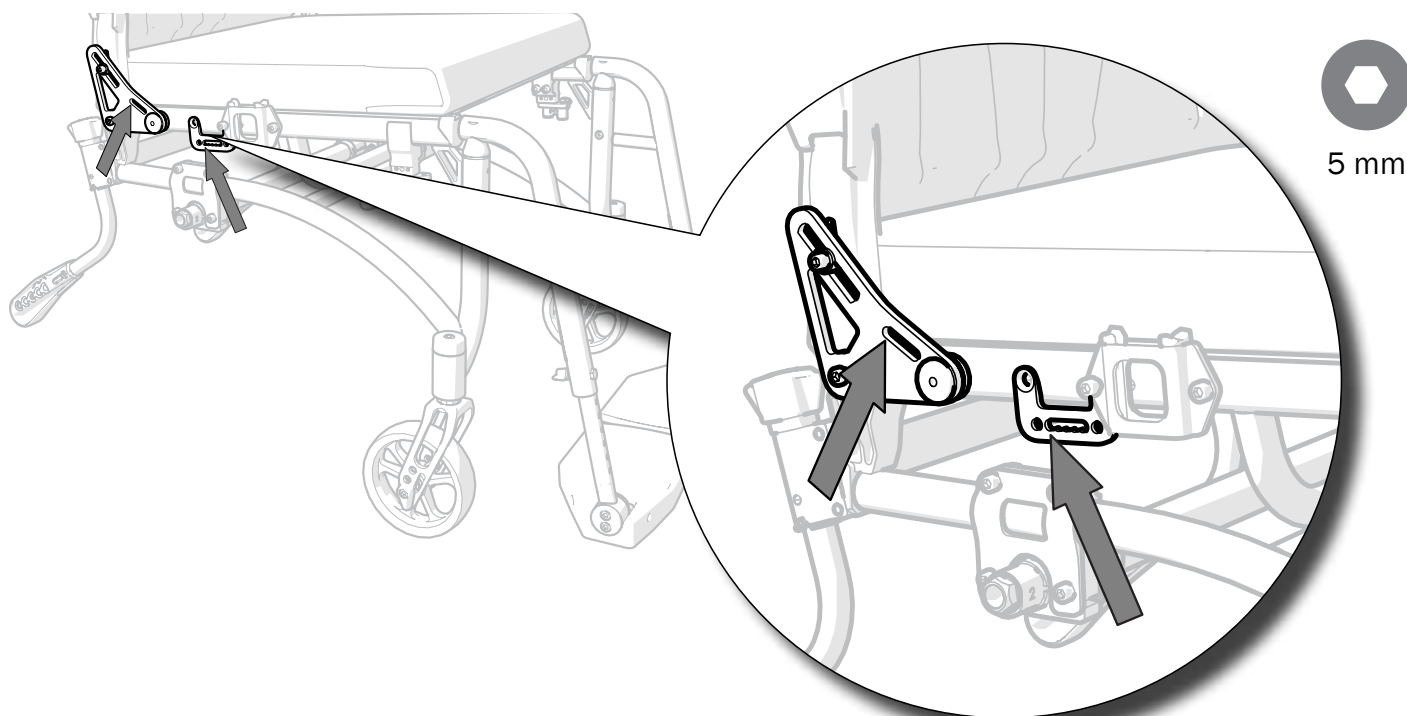


13. Settings, accessories

Positioning belt

The length of the positioning belt is adjustable, and is fastened with a snap lock. It is installed in the designated fixing points in the back support plate, or in a bracket by the armrest bracket (accessory).

The positioning belt is intended for positioning in the wheelchair only. It must not replace a seat belt in a car.



13. Settings, accessories

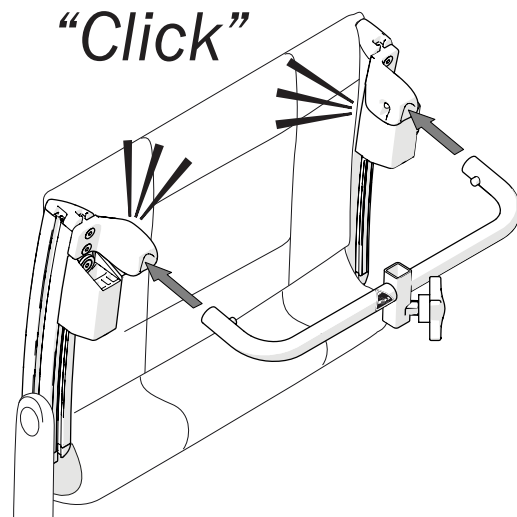
Head support bracket

The head support bracket is used for installing the head support.



Do not lift the wheelchair by the head support mount. Risk of injury.

“Click”



Head support

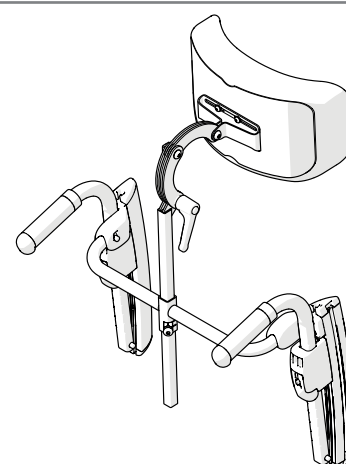
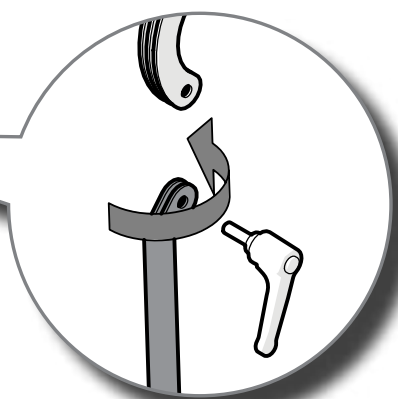
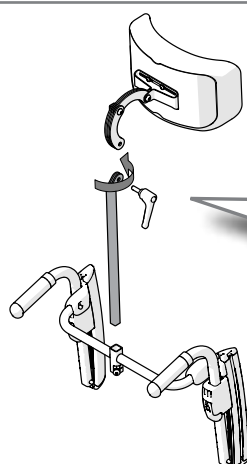
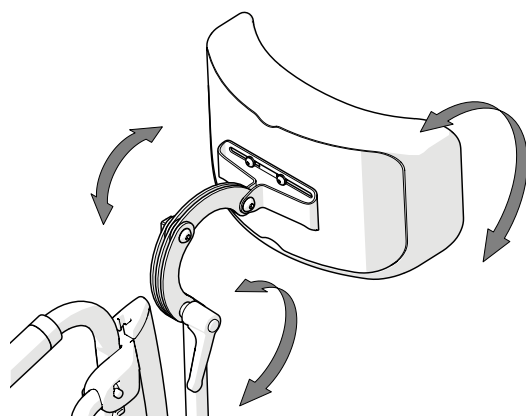
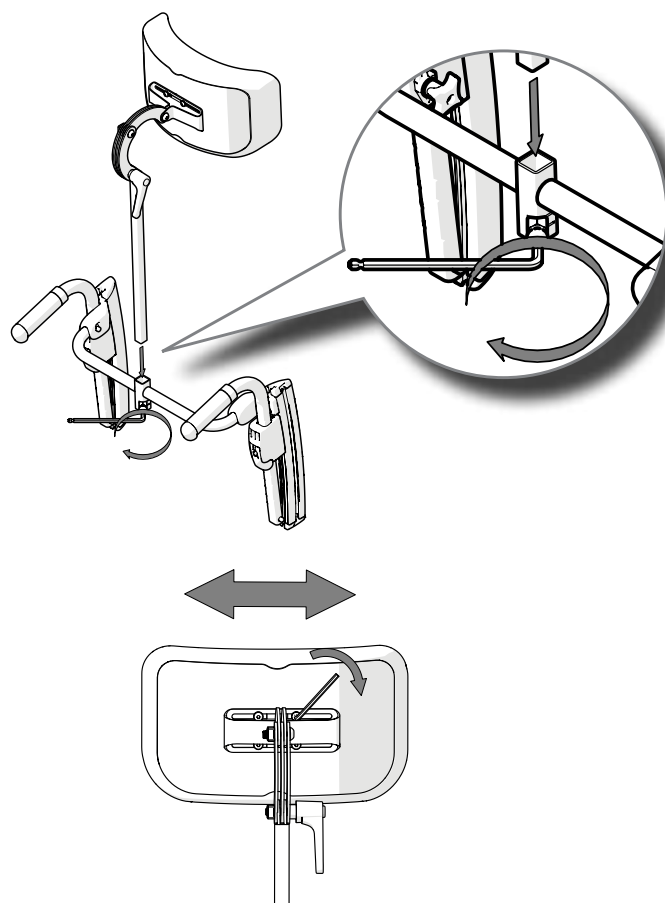
The head support is mounted on a separate head support bracket. The height, depth, angle and lateral position of the head support are adjustable, and it is detachable.



Before adjusting the head support, check that the user is in a good sitting position and is sitting comfortably.



The balance point can be moved when the user leans against the head support.



14. Service and maintenance

Cleaning

Back upholstery, seat upholstery and arm support padding:

Wash in accordance with washing instructions on the product.

Chassis, push handle and arm supports:

Daily maintenance: Clean the chassis using a commercially available non-abrasive detergent with a pH value between 5 and 9. Rinse and dry.

Disinfection

Use 70% disinfectant alcohol.

Allow to air-dry.

Cleaning in addition to daily maintenance/reconditioning: See reconditioning instructions at www.etac.com.

Please note the disinfectant manufacturer's user and safety instructions.

Other maintenance

Rear wheel/castor wheel

- | | |
|----------------|--|
| Tyre/tube: | Check the tyre pressure (see tyre sidewall) at least once a month, as well as the tyre tread. |
| Spokes: | Loose spokes can cause the wheels to wobble. If spokes need adjusting, contact a professional. |
| Wheel axles: | Clean the rear wheel and castor wheel axles of hair and dirt. |
| Ball bearings: | Maintenance-free. |
| Handrims: | Check the handrims so that they are free from scratches. |

Brakes

The effect of the brakes depends on the air pressure in the tyres. Heavy soiling can have a negative effect on the brake mechanism. If any adjustment is needed, see section entitled "*Brake, adjustment*".

Touch-up paint

For minor scratches and paint damage, touch-up paint is available in the frame colour of the product.

Miscellaneous

If something on your wheelchair is not working, contact your prescriber or assistive technology centre. A defective wheelchair must not be used.

When reconditioning and replacing parts, original Etac parts or components of equivalent quality shall be used. If other parts are used, Etac is not responsible for the function or safety.



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

Warranty:

5-year warranty against defects in materials and manufacture.

For conditions, see www.etac.com.


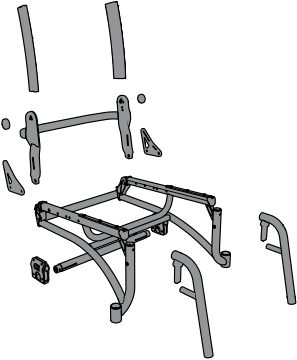
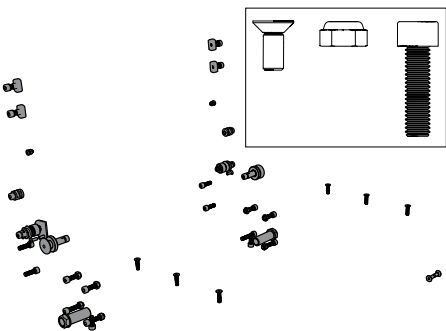
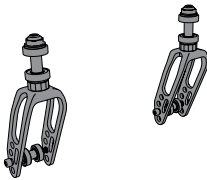
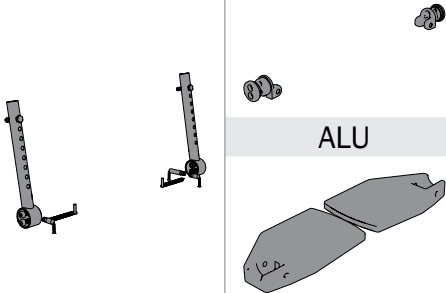
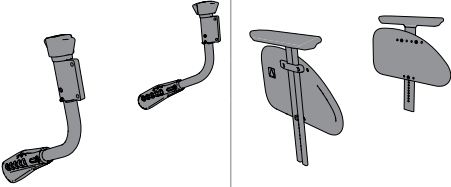
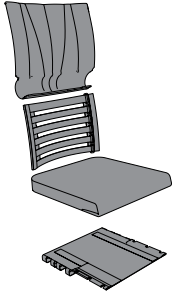
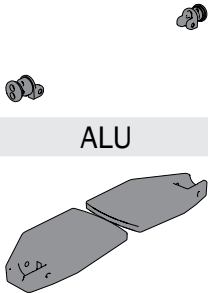
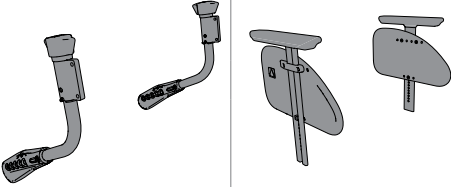
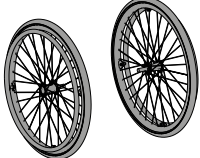
15. Transport, storage and disposal

Storage

The product should be stored indoors in a dry place at a temperature above 5°C. If the product has been stored for a long time (more than four months), its function must be checked by an expert before use.

Disposal

To be recycled according to national regulations.

					
					
ALU		Fe		Fe/Alu	
					
Fe		ALU/PA6.6/PP		PES	
					
PA6		ALU/PA/PE/PU		Fe/ALU	

15. Transport, storage and disposal

Transportation in vehicles

The product has been crash-tested and approved (see section entitled "Declaration of Conformity" in the user instructions).

Etac recommends, in the following order:

2) The wheelchair is secured in a forward-facing position in the vehicle in accordance with these user instructions; the user uses the separate three-point seat belt that is secured in the vehicle.

- The restraining device must not be pulled through the wheels or around the back tubes.
- Options/accessories that can be detached without tools (not arm supports, leg supports and positioning accessories) must be removed and secured.

1) The user transfers to a vehicle seat and uses the vehicle's three-point seat belt while travelling. The wheelchair is then placed in the boot or in the rear seat in a safe manner so that it cannot overturn or roll. If possible, secure it using the vehicle's seat belt.

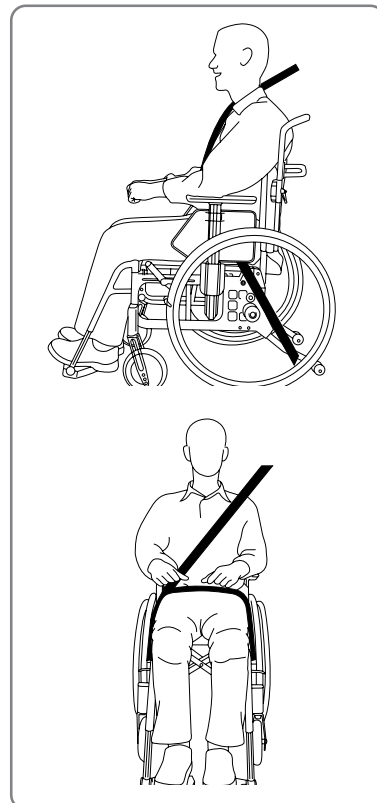
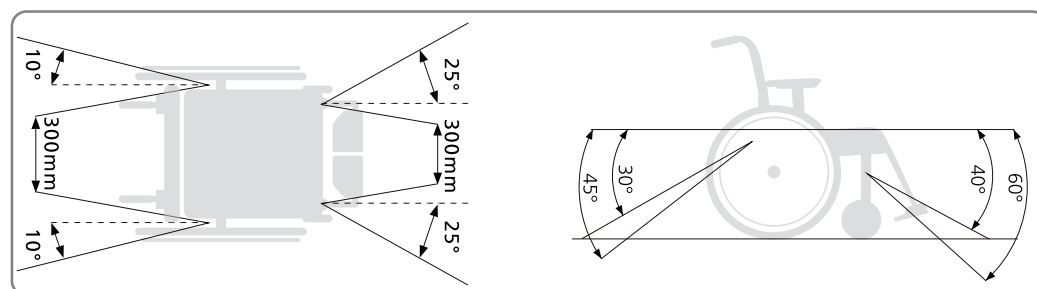
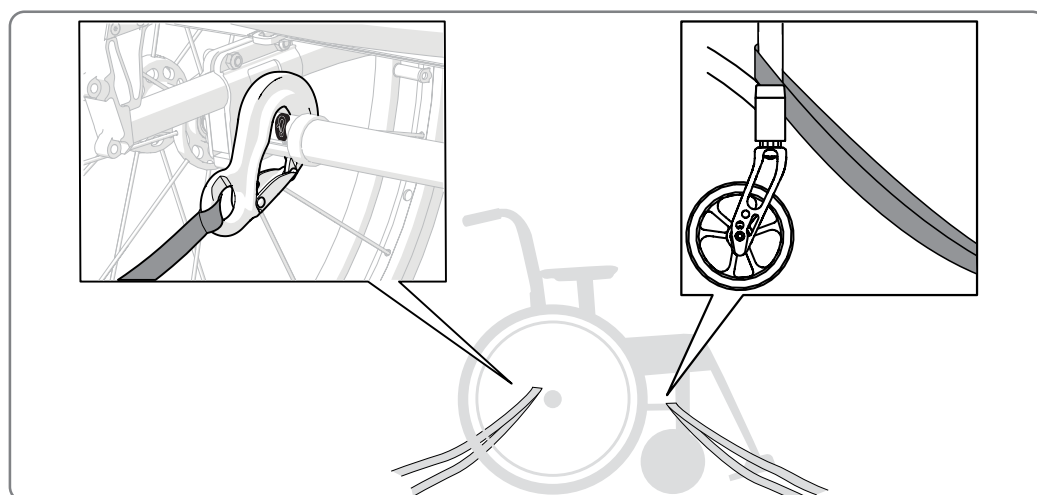


This is how the wheelchair has been tested and approved in accordance with ISO 7176-19.

- Tensioning device UNWIN_WWR/ATF/K/R in accordance with ISO 10542
- Three-point belt 907523, Klippan Safety AB.
- Parking brakes applied
- Anti-tip guards activated
- Rear wheels with handrims.



Do not use wheelchair with One Arm Drive as seat in a motor vehicle. Risk of injury.



3) According to Directive 2001/85/EC, Annex VII, section 3.8.3. there may be specially marked wheelchair spaces in vehicles that allow transport with users in wheelchairs facing backwards. If this mode of transport is used, the user/attendant must be active during travel, be prepared for sudden movements and be able to maintain a safe sitting position throughout the entire transport operation. The user's mobility impairment must not be

so great that they cannot hold on and to the wheelchair by the handle mounted in the vehicle during changes in speed or direction.



- The parking brake must be activated
- Anti-tip guards must be activated
- Options/accessories that can be detached without tools must be removed and secured.
- A hip belt should be worn

16. Troubleshooting chart

The wheelchair pulls to one side	<ul style="list-style-type: none"> • Inflate the tyres • Check that the front forks are mounted correctly • Check that the rear wheel brackets are mounted correctly • The user is distributing weight unevenly in the wheelchair • Propulsion is stronger on one side than the other
The wheelchair is “heavy” to operate	<ul style="list-style-type: none"> • Inflate the tyres • Check that the rear wheel brackets are mounted correctly • Clean the castor axles of hair and dirt • Too much weight over the castor wheels; adjust the wheelchair’s centre of balance
The wheelchair is “heavy” to turn	<ul style="list-style-type: none"> • Inflate the tyres • Check that the front forks are not too tight • Clean castor axles of hair and dirt • Too much weight over the castor wheels; adjust the wheelchair’s centre of balance
The user brake is not effective	<ul style="list-style-type: none"> • Inflate the tyres • Adjust the distance between the tyre and the brake
Rear wheels are “loose”	<ul style="list-style-type: none"> • Adjust length of hub axle
Rear wheels are difficult to remove/attach	<ul style="list-style-type: none"> • Lubricate and clean the quick-release, e.g. with bicycle oil • Adjust length of hub axle
The castor wheels “wobble”	<ul style="list-style-type: none"> • The front forks have not been tightened sufficiently • Check that the front forks are mounted correctly • Too much weight over the castor wheels; adjust the wheelchair’s centre of balance
The back is difficult to fold	<ul style="list-style-type: none"> • Clean and lubricate



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