

# Airon



## Instructions for use

## Impressum

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## Revision status

2024-03-06

## Technical status


We reserve the right to make technical changes and misprints. The images can differ from the actual individual equipment components. The handling is to be carried out accordingly.

## Gender notice

For better readability, we use the grammatical gender or the male form of the German language, which is to be understood independently of the biological gender. All (person) designations apply equally to all genders and do not represent any valuation.

## Copyright

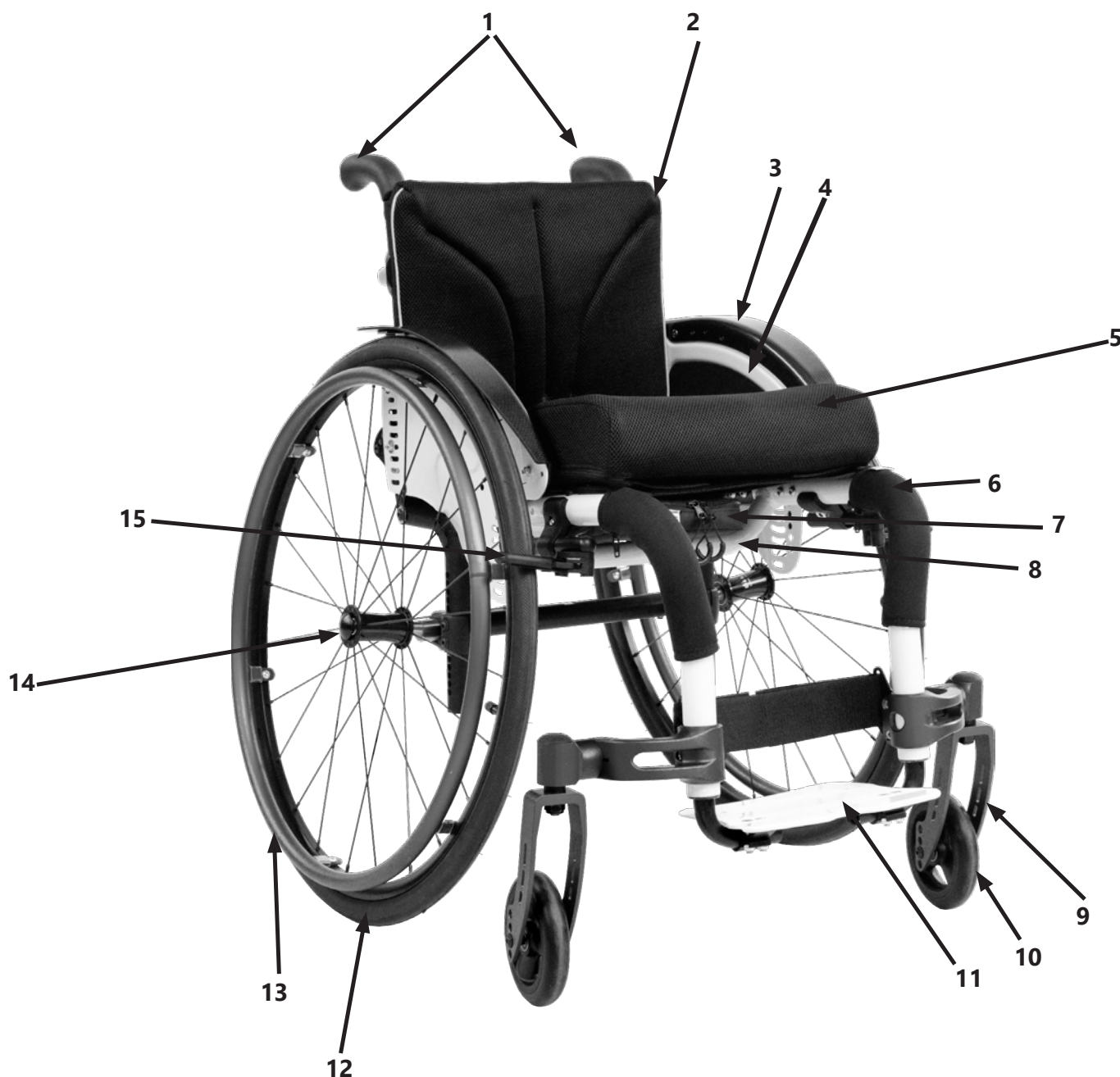
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 ***You can find our general terms and conditions on our order order forms and at [www.sorgrollstuhltechnik.de/impressum](http://www.sorgrollstuhltechnik.de/impressum).***

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# 1 Overview of the wheelchair

## Overview Airon



- 1 push handles
- 2 back unit with pillow
- 3 clothes guards
- 4 side panel
- 5 seat cushion
- 6 protective pads
- 7 utensil pocket
- 8 frame
- 9 caster wheel fork
- 10 caster wheel
- 11 footplate (continuous)
- 12 drive wheel
- 13 handrim
- 14 thru axle
- 15 compact brake



### 2.1 Preamble

Welcome to the SORG family - thank you very much for the trust you have placed in us and for choosing our product.

This wheelchair has been individually made to measure for your unique needs.



In order to be able to use the wheelchair in everyday life, you will receive the following instructions for use and adjustment, which you can use without tools. Please follow these instructions and handle the wheelchair carefully so that you can enjoy it for as long as possible.

If you have any questions about this or any other product, please do not hesitate to contact us.

We hope you enjoy your SORG product.

Your SORG team

### 2.2 General information Instructions for use


These instructions for use contain safety and handling instructions that are required for correct use of the product.

Your wheelchair will be delivered according to the configuration requested by the specialist retailer. Please check with your specialist retailer that your wheelchair is fully functional before you use it for the first time.

All settings, adjustments, repairs and the annual inspection that go beyond these operating instructions must be carried out by a qualified specialist retailer.

Our service booklet can be called up for further information at [www.sorgrollstuhltechnik.de](http://www.sorgrollstuhltechnik.de).

The user and specialist dealer must have read and understood these instructions prior to commissioning. These instructions for use contain all equipment variants of the product. Let your specialist advisor instruct you on level ground and with the support of an attendant in the safe handling of the wheelchair and your individual equipment variants.

 **Visually impaired people can find these operating instructions as PDF and audio files on our website [www.sorgrollstuhltechnik.de](http://www.sorgrollstuhltechnik.de).**

**If you have any questions or comments, please contact your specialist dealer or our team (+49 7254 9279-0).**

Please keep these instructions for use in a safe place. All annual inspections carried out must be documented by the specialist retailer.

### 2.2.1 Explanation of symbols



**WARNING!** Warnings for personal safety issues, of the utmost importance



**CORRECT** safety-relevant setting / handling



**WRONG** Adjustment / handling



**PROHIBITED**



**Reference** to additional / further reading.



Important detail / element



Correct or proper setting / use



Inadmissible or incorrect setting / use

(A); (B)

Reference from text to detail

### Handling



Push / pull / insert / move / remove



Push in a certain direction



Set or adjust the angle



Open / close



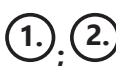
Turn clockwise



Turn counterclockwise



Steps to be performed at the same time



Steps to be performed in sequence



Steps to be performed on both sides



Perspective



View from above



Side view



Viewing angle from below



Front view



Rear view



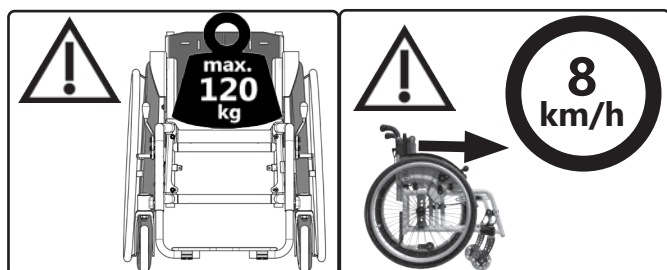
Attach part



Remove part

### 2.2.2 Intended use


Airon is a light, manoeuvrable active wheelchair for indoor and outdoor use.



The wheelchair is only used to transport the person for whom it has been adapted by a qualified specialist dealer.

In the case of children or persons with impaired ability to act, the parents or authorized caregivers must ensure that the information in the instructions for use is followed.

The largely safe use of the aid is only possible on level, firm and dry ground with the anti-tip activated with the help of an attendant.

 Any use going beyond this harbors a variety of dangers that can only be assumed at the user's own responsibility. This presupposes sufficient competence in recognizing and avoiding hazards and the safe handling of the aid by the user as necessary! Particular attention must be paid to the increased risk potential in wet conditions, ice, loose ground, slopes, obstacles, proximity to water, road traffic, too narrow spaces, etc.

 Only use the wheelchair for its intended purpose. Any improper use harbors considerable dangers and leads to the expiry of product liability.

 Due to the large variety of combinations for seat and wheel position, settings may be possible that are related to the safety and application area.

### 2.2.3 Indication

The use is suitable, among other things, with the following functional impairments:

- In the case of abolished or severely restricted usability of the lower extremities.
- In the case of non-compensable, significant reduction in the performance of the heart and lungs.
- Balance disorders.
- Ataxias.
- Partial or complete inability to walk (e.g. due to illnesses; accidents, paralysis or amputations, damage to the brain or also due to congenital deformities).

### 2.2.4 Contraindication

The wheelchair must not be used for:

- Inability to sit.

The wheelchair may only be used with an accompanying person if:

- Insufficient or no vision.

 **We assume no liability for damage to persons or objects under the circumstances described above..**

## 2 General information

### 2.3 General safety information



**Before every journey, check:**

- Frame, back tubes, add-on parts and accessories for visible damage, bends, cracks or missing / loose screws,
- Wheels / thru axles on tight fit,
- sufficient tire pressure, tire profile,
- Functionality of the brakes,
- tight fit of the angle adjustment elements / eccentric clamps,
- firm closure of the seat plate / back / foot plate,
- Functionality of the anti-tipper / seat and back straps,
- whether all previously dismantled parts are firmly plugged in and locked again.



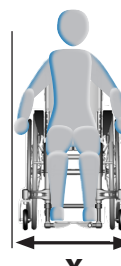
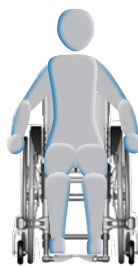
There is a risk of injuries (e.g. crushing) on all rotating, rotatable or foldable parts, also during adjustment and repair work as well as during transport.



-10 to + 41°C



30 - 70%



$x > 700 \text{ mm}$

$\rightarrow y \geq x + 50 \text{ mm}$

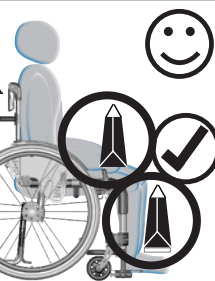
#### Risk of tipping over and rollover



Entry and exit may only be carried out with the parking brake and anti-tipper activated.

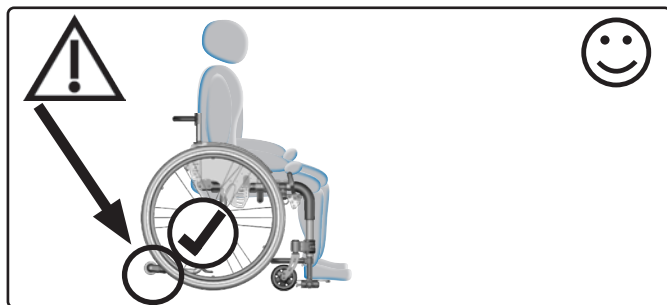


**Do not use the footplate to get in and out. The wheelchair could tip forward.**

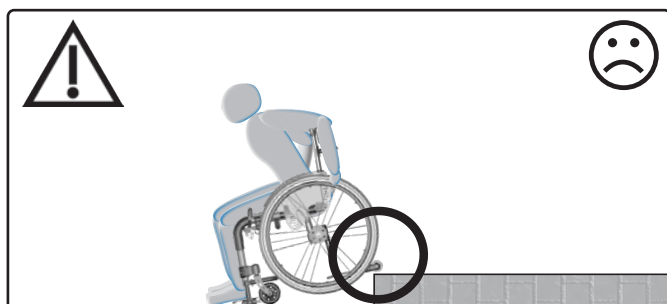


When dismantling the parts / accessories listed below, the risks listed as examples may arise:

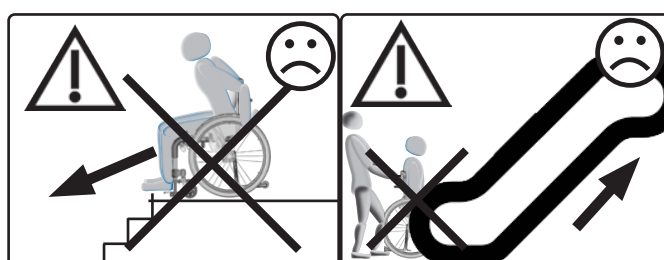
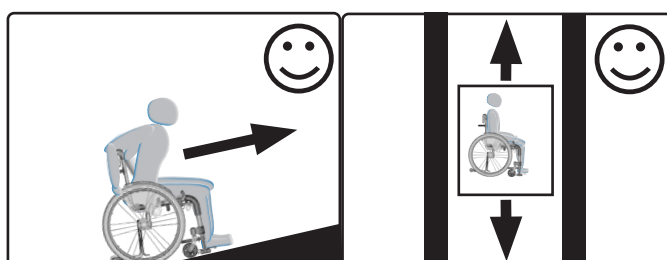
- Pillows: poor hygiene / pressure points
- Headrest: Missing headrest or loss during transport
- Drive wheels: loss of back (use of wheelchair not possible)
- Fixed back extension: loss or missing headrest during transport
- Leg supports: Loss or lack of positioning of the legs



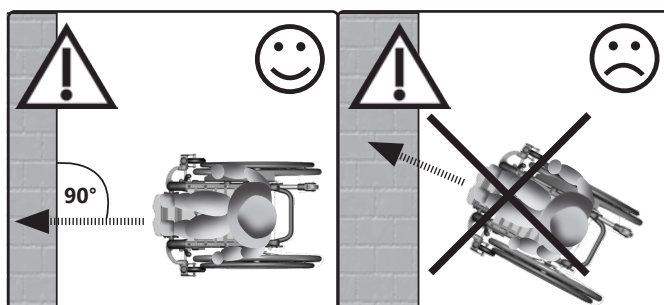
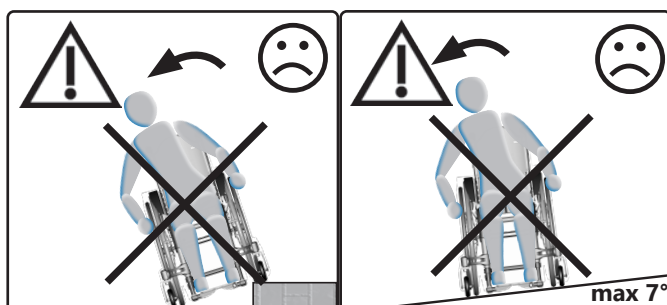
⚠ We generally recommend using the anti-tipper device.



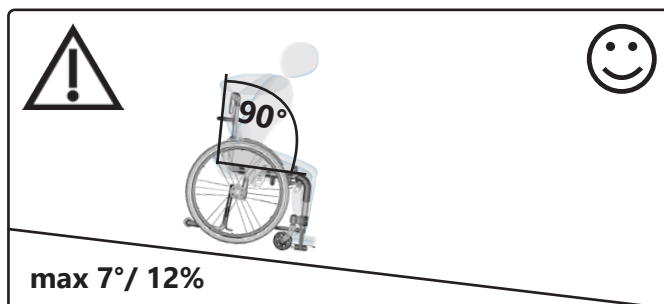
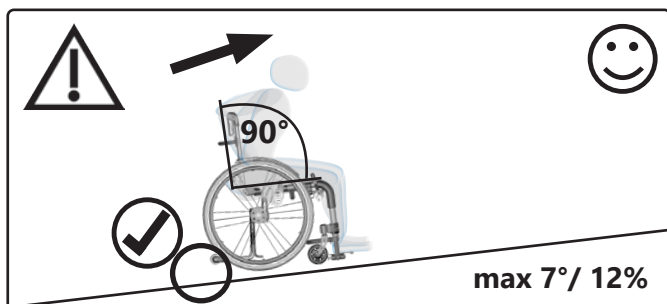
⚠ The anti-tipper must be deactivated when driving down on edges.



⚠ Conquer stairs only with the help of experienced helpers. To do this, the anti-tipper must be deactivated. Always carry the wheelchair by the frame, never by the seat shell, the pull-out push handles / push bar, the legrest and / or the footplate (s)!



### *Inclines, slopes and obstacles*





### 2.3.1 Loading and transport without occupants

Make the desired pack size and secure the wheelchair and all dismantled parts with adequate load securing. Basically, the wheelchair is suitable for transport (land / air). Find out about suitable load securing measures before transporting the wheelchair.


#### Carrying points:


- Stabilizing bar with the back folded down
- Frame cross members at the front and rear
- front frame tubes left / right
- but not on the footplates.

How to remove and re-attach the drive wheels can be seen in chapter 3.1.3.

How to fold the back can be found in chapter 3.2.

### 2.3.2 Transport of the wheelchair with occupants in the vehicle


 Due to their purpose, wheelchairs can never achieve the stable properties of a seat system that is permanently mounted in the vehicle. Whenever possible, we recommend using a fixed vehicle seat to transport a person in the vehicle.

 Only wheelchairs that have successfully passed a crash test according to ISO 7176-19 may be used as a seat in a motor vehicle. Successfully tested wheelchairs are marked with the symbol for the attachment point on the attached label.



The Airon has been successfully tested according to ISO 7176-19 and is therefore approved as a seat in a motor vehicle if you have the necessary restraint devices.



 Please check whether your wheelchair is custom-made and therefore may not be used as a seat in a motor vehicle. In this case the symbol for the fastening point is missing from the rating plate and the wheelchair is provided with a warning, represented by the negated symbol for the fastening point.




 **Further information can be found in the crash test brochure at [www.sorgrollstuhltechnik.de/downloadportal](http://www.sorgrollstuhltechnik.de/downloadportal).**

We can recommend the following manufacturers of restraint systems:


- SORG-Retaining eyelets on the wheelchair
- AMF-BRUNS GmbH & Co.KG
- Q'Straint Europe

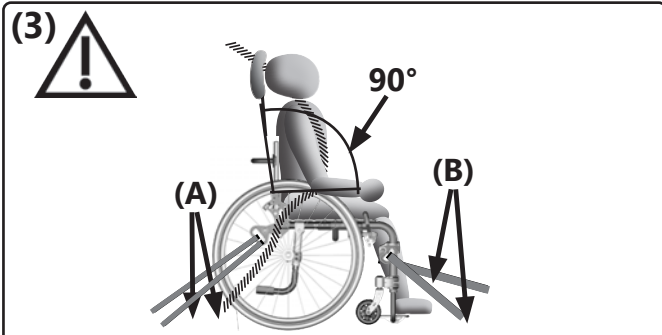
## 2 General information


### Attachment points / methods for transportation in motor vehicles


 When using the wheelchair as a seat in the motor vehicle, only use the places marked with the symbol for the attachment point. These are usually located in the back left and right **(1)** and front left and right **(2)**

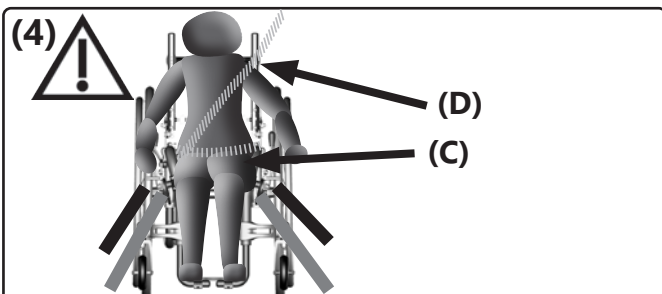



 The wheelchair must be attached using a vehicle-anchored 4-point wheelchair restraint system in accordance with ISO 10542. These can be snap hooks, S-shaped hooks or snap fasteners. The wheelchair restraint system must be securely attached and used in accordance with the manufacturer's instructions for use. **(3A+B)**





 If the wheelchair is equipped with a back angle adjustment or seat tilt, it must be ensured that the occupant sits in an upright position with a back angle of 90 ° during transport **(3)**. Legrests that can be swiveled up must be set to the lowest position.


 In order to reduce the risk of head and upper body injuries as much as possible, the user must also be secured with a fixed lap belt **(4C)** approved for transport in accordance with ISO 10542 and a vehicle-anchored shoulder belt **(4D)**.





 The seat belts must not be twisted during use or passed over components and thus kept away from the body. They have to be tight and tight without compromising user comfort. The lap belt buckle must be between the pelvic bones (as centrally as possible). The buckle tongues on the lap belt for fastening the shoulder belt should be on the outside of the pelvis, if possible.

 All belts used for transport must be checked for damage at regular intervals.


 A headrest approved for transport must be used.


 According to ISO 7176-19, the wheelchair may only be used as a forward-facing seat in motor vehicles. No transport with side orientation!

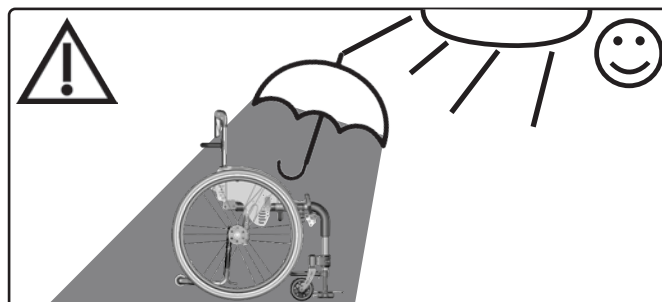
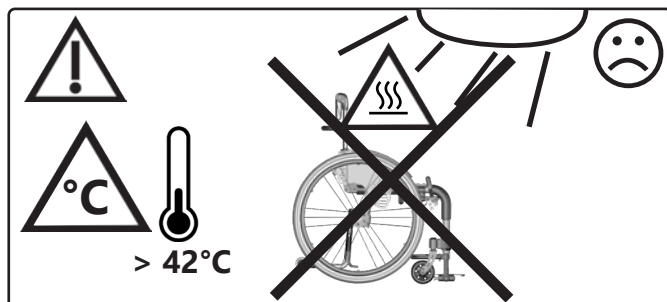
 After a collision, immediately contact your specialist retailer to check the chassis, frame and brakes and have any damage repaired by a professional.

 In addition, actuate the existing braking devices on the wheelchair to transport the wheelchair in the vehicle.

### 2.3.3 Other important information

 The standard-compliant resistance to ignition in textile materials has been tested and ensured. Nevertheless, there is a risk of ignition of the flame-retardant textile components. Keep sources of ignition away from the wheelchair.

 The wheelchair must not be exposed to excessive moisture or come into contact with salt water.



Pelvic safety devices (pelvic belts as a positioning aid) are optionally available for wheelchair configuration via the SORG order forms or by ordering using spare parts catalogs. Installation is carried out by your specialist retailer.

Assembled seat cushions are equipped with an anti-slip fabric on the underside. Seat molded parts are secured against slipping by means of a Velcro connection in combination with the seat cover or seat plate.

In individual cases it can happen that the product interacts with electromagnetic fields (e.g. theft protection of shops). This poses no danger for the user and / or the companion.

Due to the wide range of setting options, not all limit values can be complied with for all possible configurations in accordance with the Regulation (EU) on the technical specifications for interoperability with regard to the accessibility of the Union's rail system for people with disabilities and people with reduced mobility.

In the event of incidents with the wheelchair, please contact your specialist retailer or us as the manufacturer. Product recalls etc. are published on our website [www.sorgrollstuhltechnik.de](http://www.sorgrollstuhltechnik.de). There you will also find the respective contact person.


### Corrosion protection

The product is already designed for corrosion protection when the materials are selected (e.g. plastic, aluminum, stainless steel). All materials at risk of corrosion are surface treated and thus protected.


The wheelchair must be dried thoroughly if it gets wet.


Aluminum components: frame, caster wheel forks, back, legrest, seat support, handrims  
Steel components: back angle adjustment  
Stainless steel components: handrims

### *Lifespan*

 Use beyond the specified service life leads to an increase in the residual risks and should only be carried out after careful, qualified consideration by the operator. If the service life is reached, the user or a responsible person should contact the specialist retailer. There you can get information about the possibility of processing the product.

### *Combination with products from other manufacturers*

 The wheelchair may only be combined with the additional electrical drives approved by the manufacturer. Restrictions or adjustments as well as the cultivation itself are incumbent on the provider of the additional system or the authorized specialist trade. Please ask the manufacturer of the additional drives for the requirements.

 In the combination of a wheelchair and an additional electric drive, particular loads occur which can lead to damage to the wheelchair. Approach obstacles slowly and overcome them carefully so that little force is exerted on the caster wheel, drive wheel and the wheelchair as a whole.

## 3.1 Handling drive wheels

### 3.1.1 General information on wheels

The braking of the wheels on the handrims creates frictional heat.

Handrim covers can stretch in the heat and detach from the handrim.

### 3.1.2 Tire pressure

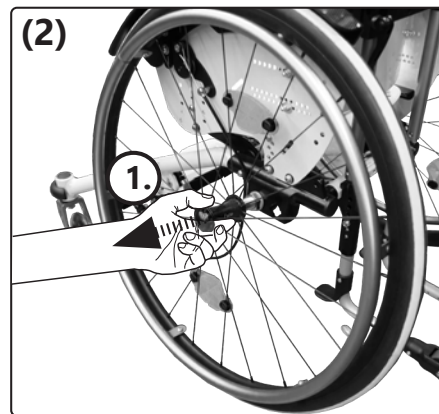
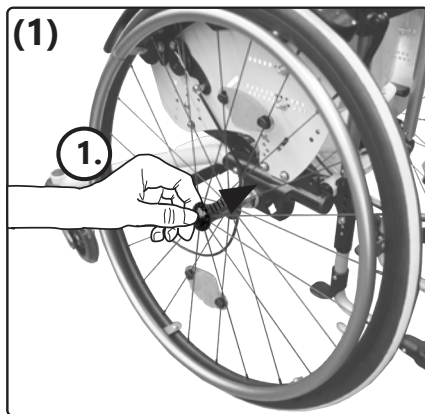
You can find the appropriate operating pressure on the tire casing - usually 3-10 bar. (1)

If you have a flat tire, please contact your specialist retailer.

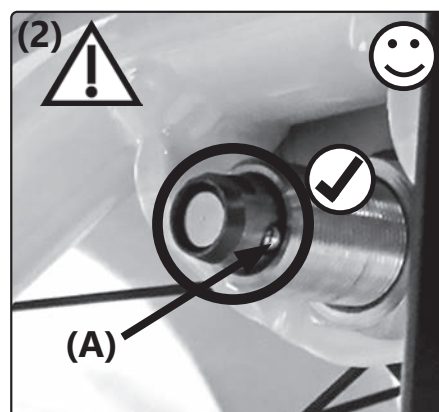
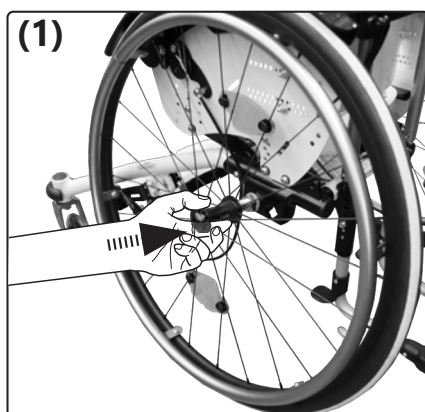


### 3.1.3 Thru-axle wheels

Remove:



Insert:



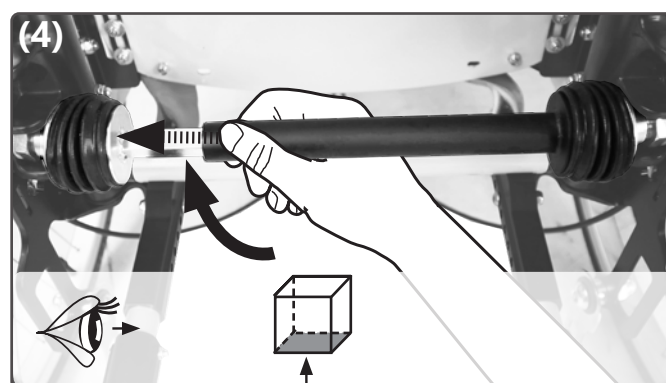
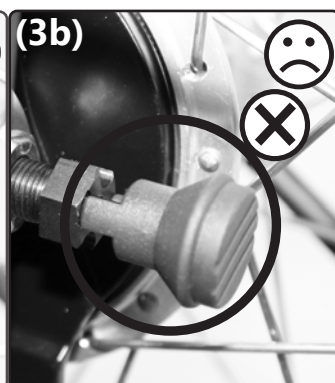
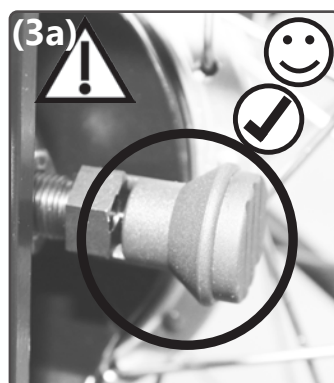
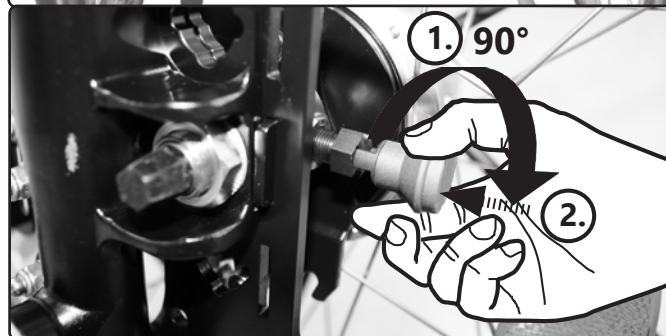
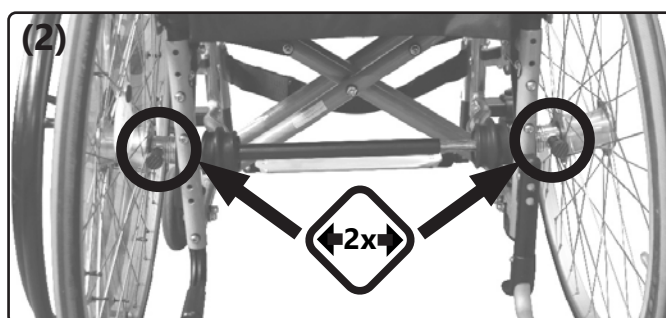
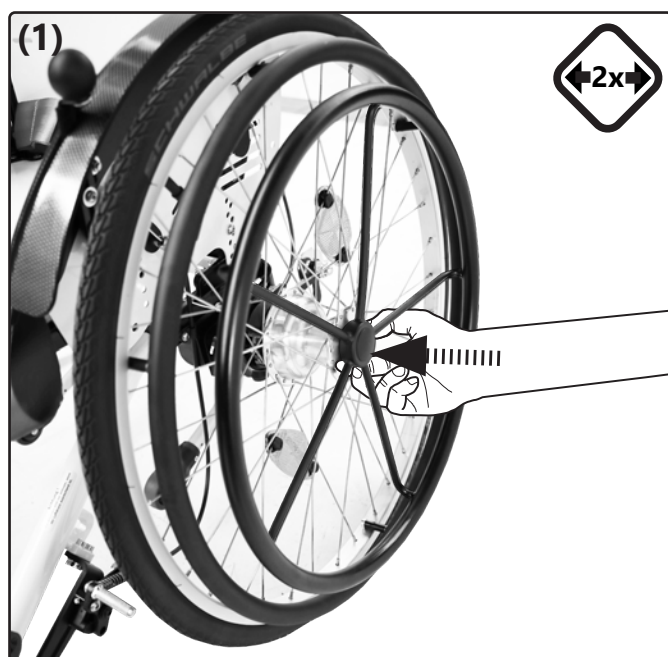
After each insertion, pull at least once to test whether the quick-release axle is engaged. It must no longer be possible to pull the wheels outwards.



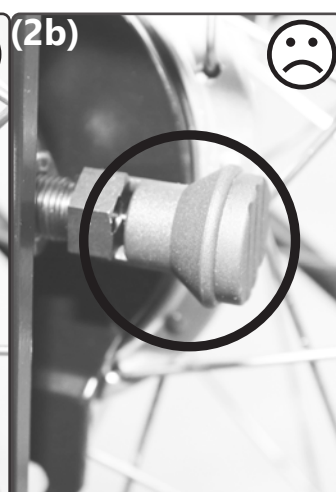
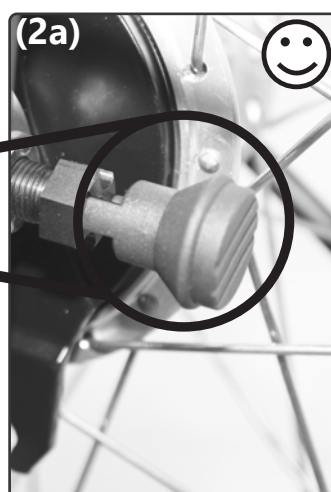
# 3.1 Handling drive wheels

## 3.1.4 Double handrim wheels

Insert:



Remove: Proceed in reverse order



## 3.2 Handling seat and back unit

### 3.2.1 General information back unit

⚠ Check that the back is firmly seated after every change.

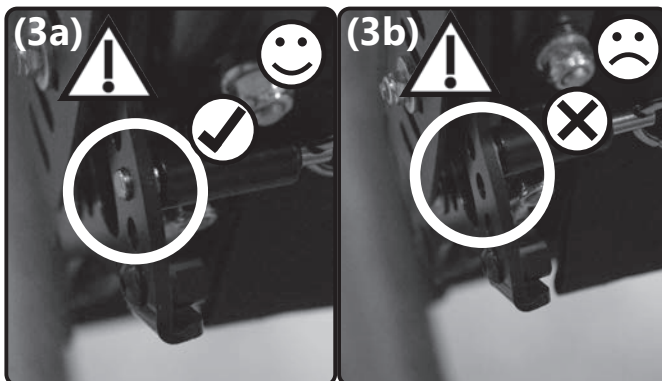
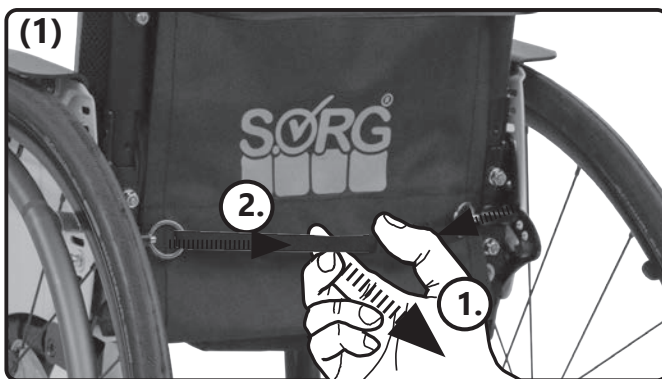
⚠ With an angle-adjustable backrest from a setting of  $> 90^\circ$ , it is essential to activate the anti-tipper. The head must be supported during the back angle adjustment (e.g. by a headrest).

⚠ Activate the angle adjustment only with activated brakes.

### 3.2.2 Back with grid

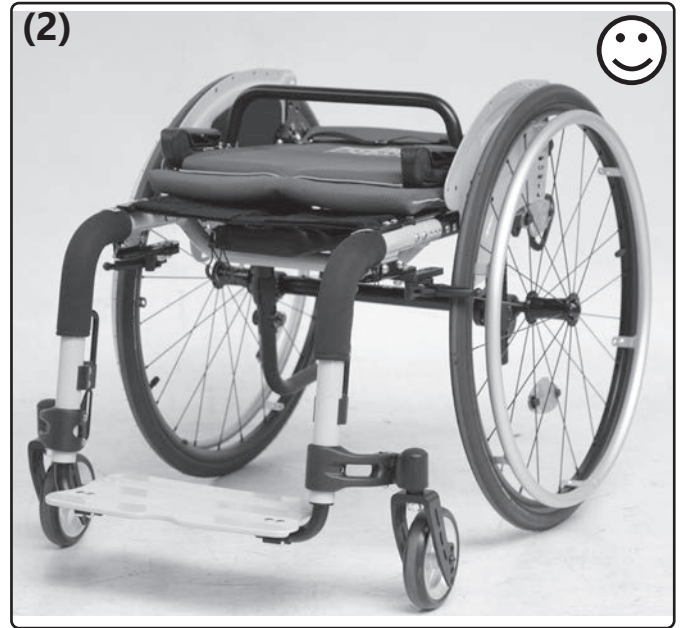
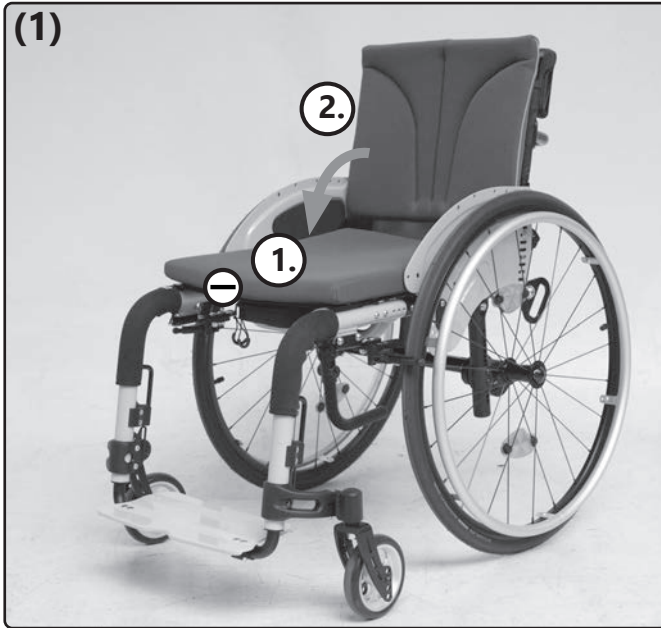
*Adjust:*

⚠ Always activate the anti-tipper before using a new back angle position.




## 3.2 Handling seat and back unit

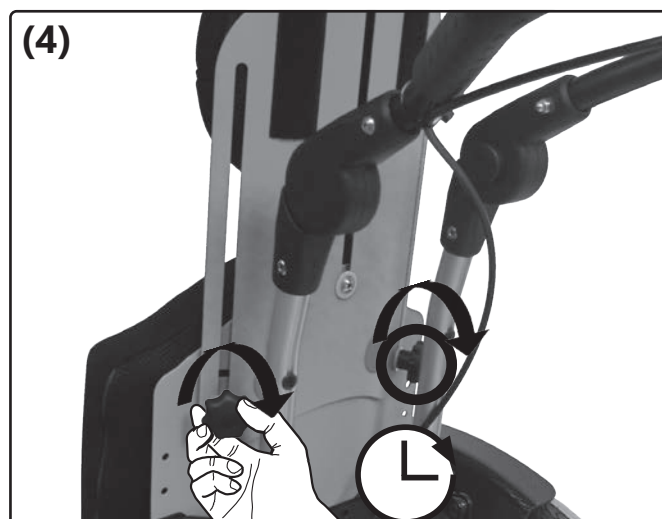
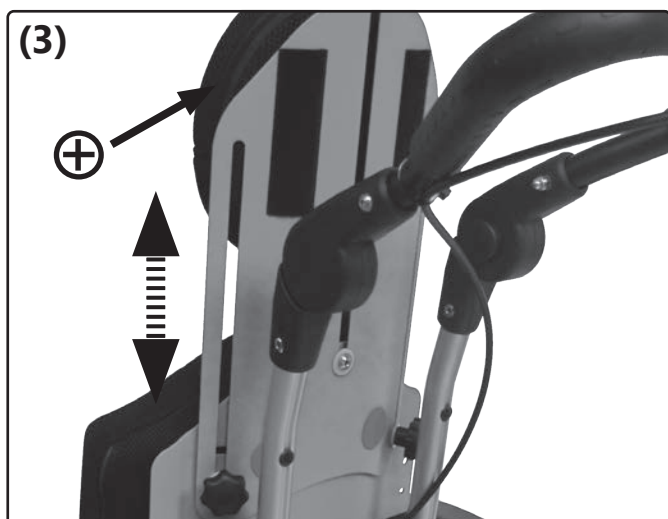
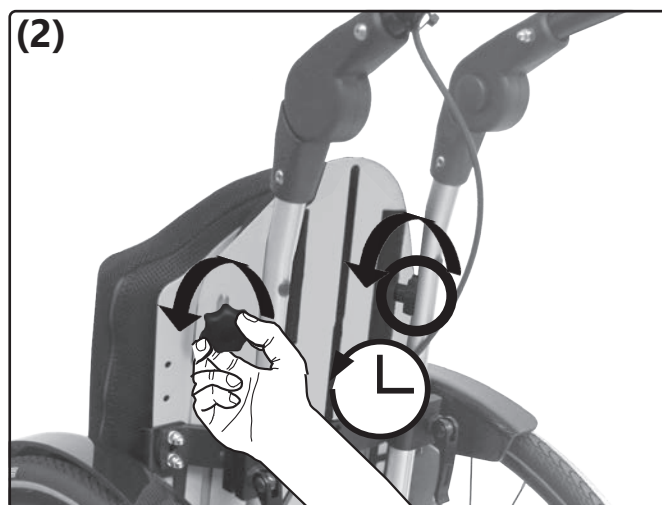
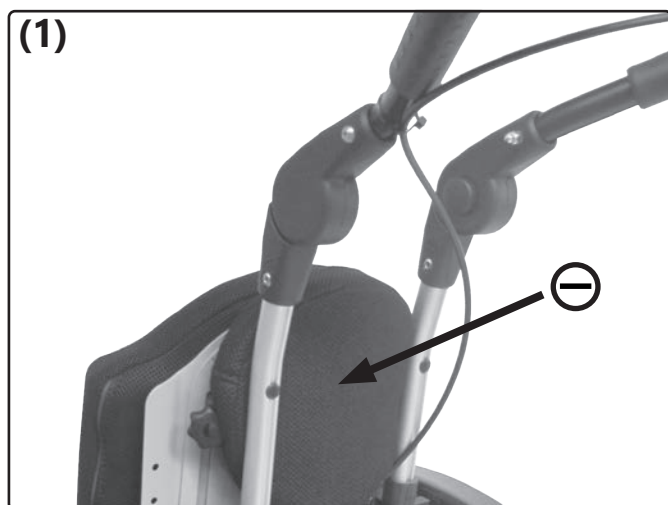
*Folding down (raise: proceed in reverse order):*



### 3.2.3 Back extension

*Pulling out (lower: Proceed in the reverse order):*

 The retractable back extension is not suitable as a headrest in a motor vehicle!

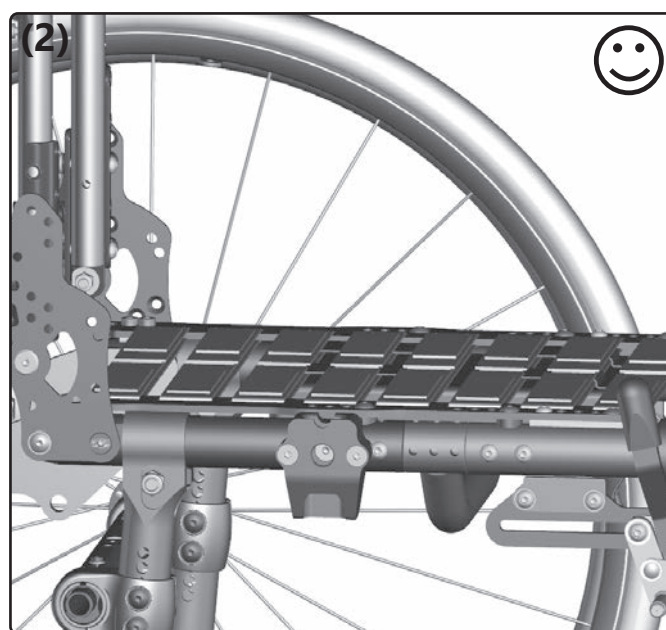
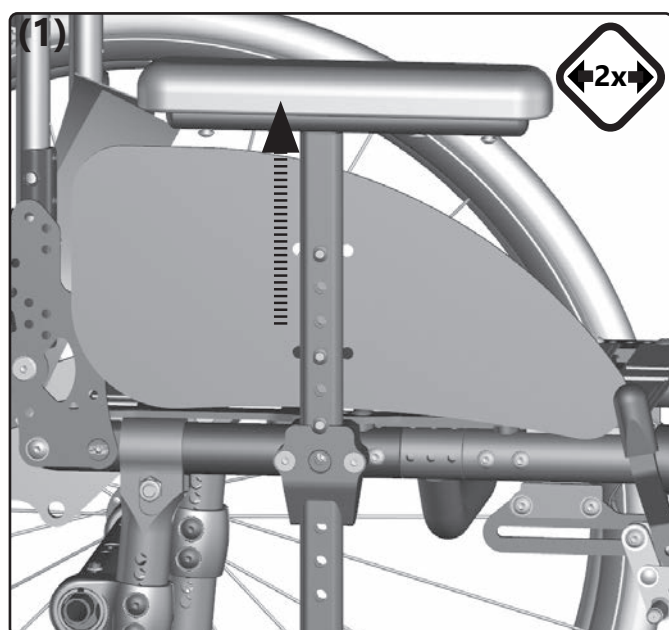




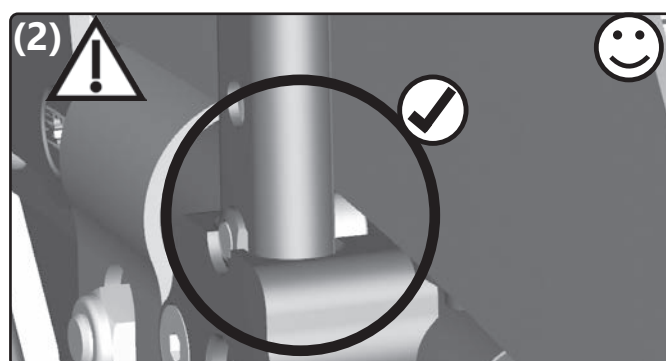
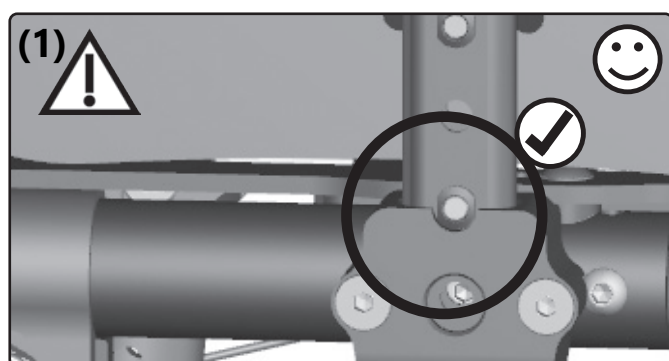
## 3.3 Handling side panels

### 3.3.1 General information on side panels

*Remove plug-in side panels:*



*Attaching the plug-in side panels: Proceed in the reverse order:*





## 3.4 Handling pushing aids

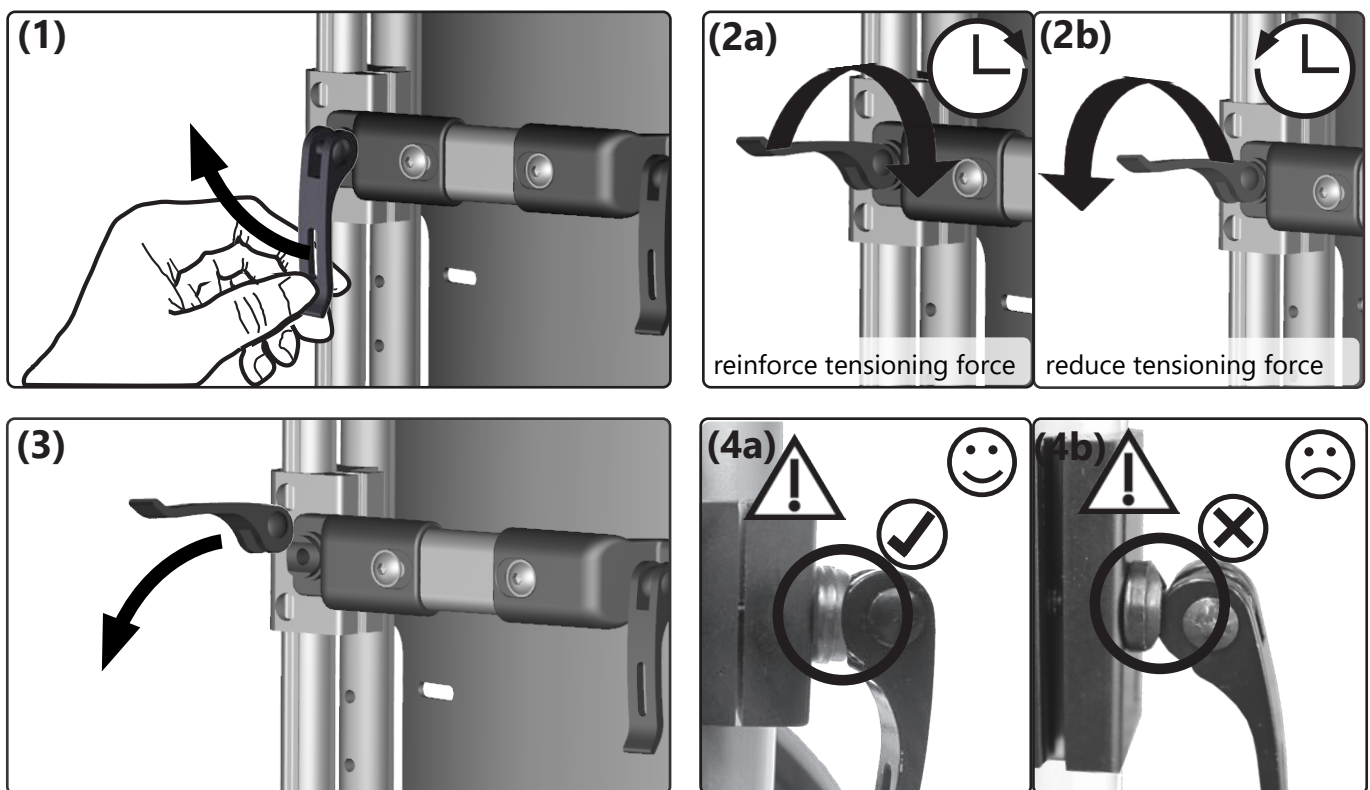
### 3.4.1 General information pushing aids

All height-adjustable pushing aids are intended exclusively for pushing the occupant in his wheelchair - **not to carry**.

Children cannot assess the swivel range of protruding pushing aids and can injure others while playing. It is advisable to fold in or dismantle the pushing aids for such purposes.

Before each use of the pushing aids, check the tight lock and the functionality of the eccentric clamps. It must not be possible to move the pushing aids in the retainer when the eccentric clamp (s) are in the closed position.

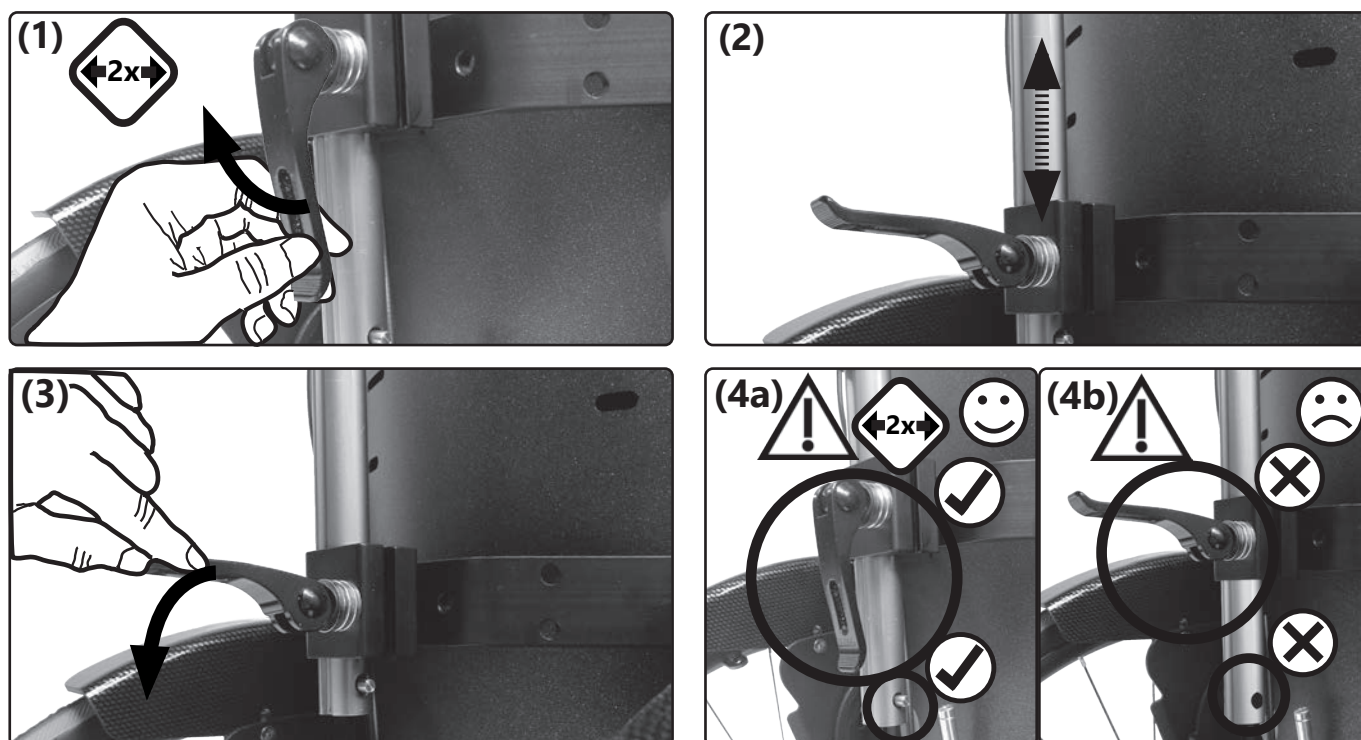
*Adjusting the eccentric clamp:*



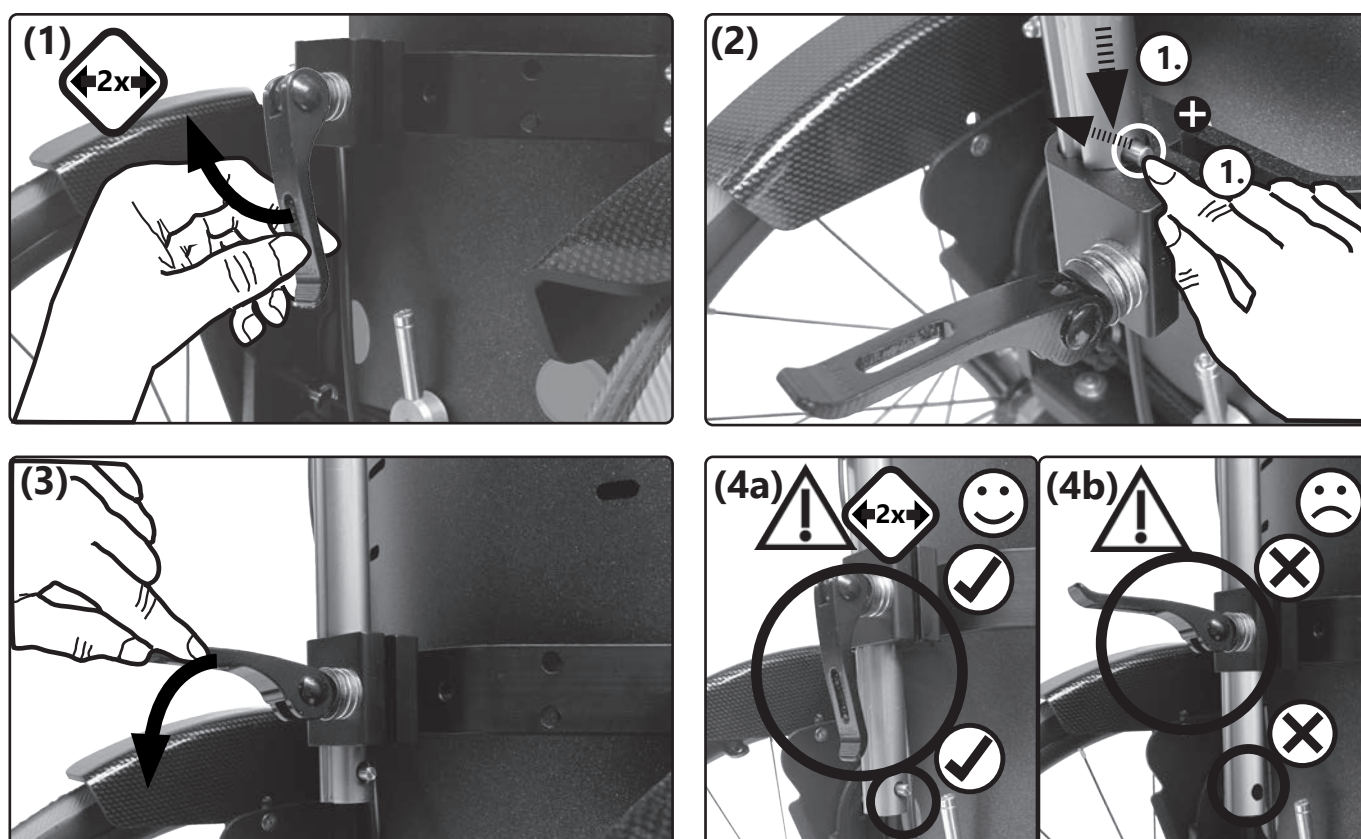
## 3.4 Handling pushing aids

### 3.4.2 Push handles

*Adjust the height:*



*Inserting (removing: proceed in reverse order):*



## 3.5 Handling legrest

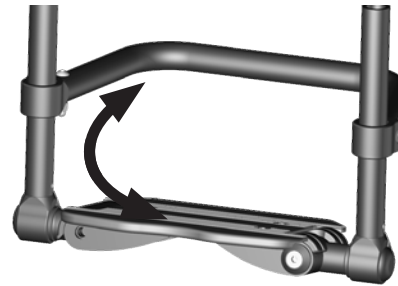
### 3.5.1 General information on legrests

*Types of leg supports and their handling:*

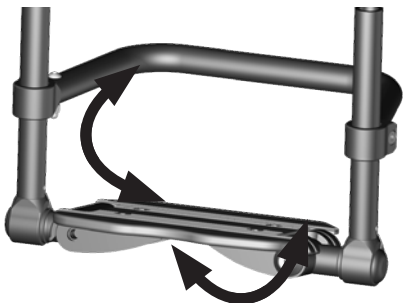
Standard



Can be folded up to the side



Can be folded up to the side and turned away



Standard for short lower leg lengths

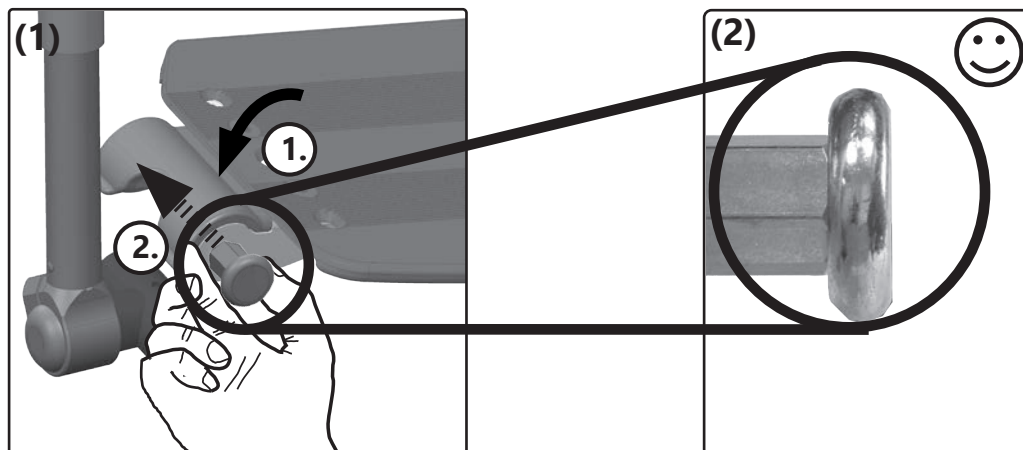


Stirrup



### 3.5.2 Fold-up footplate with lock

*Locking the external attachment (unlocking: Proceed in the reverse order):*



Make sure that the occupant does not lean too far out of the wheelchair when handling the lock.


### 3.6.1 General information about the brake

 Check that the brakes are working properly before every journey! If the braking effect deteriorates, contact your specialist retailer immediately.


Possible impairments or malfunctions can result from:

- dirty or incorrectly adjusted brakes,
- defective cables,
- the distance between the brake pressure bolt and the tire is too large,
- tire inflation pressure too low (information on the tire jacket),
- Wetness, snow, mud etc.,
- wacky profiles,
- worn or dirty brake pressure bolts.

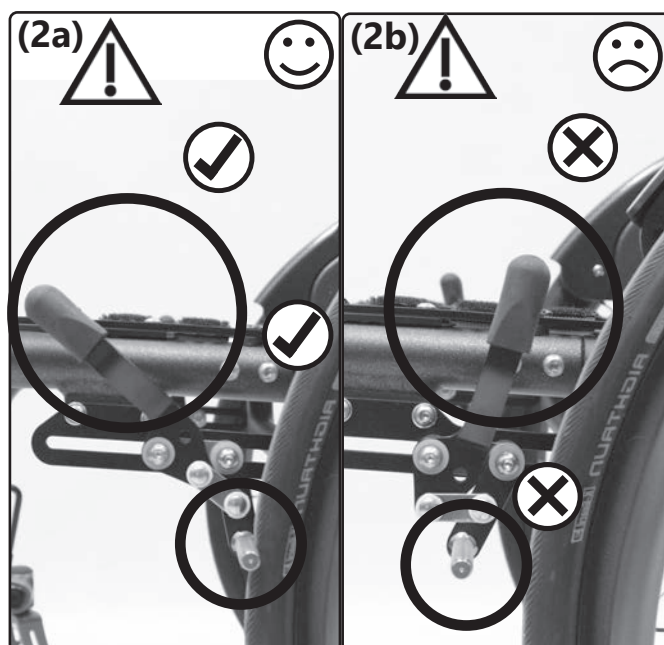
The wheelchair is not ready for use until any malfunctions in the brakes have been rectified.

 Always check that the brakes are properly and securely locked on slopes.

### 3.6.2 Parking brake

 The knee lever and cable brakes are parking brakes and not suitable for slowing down the journey.

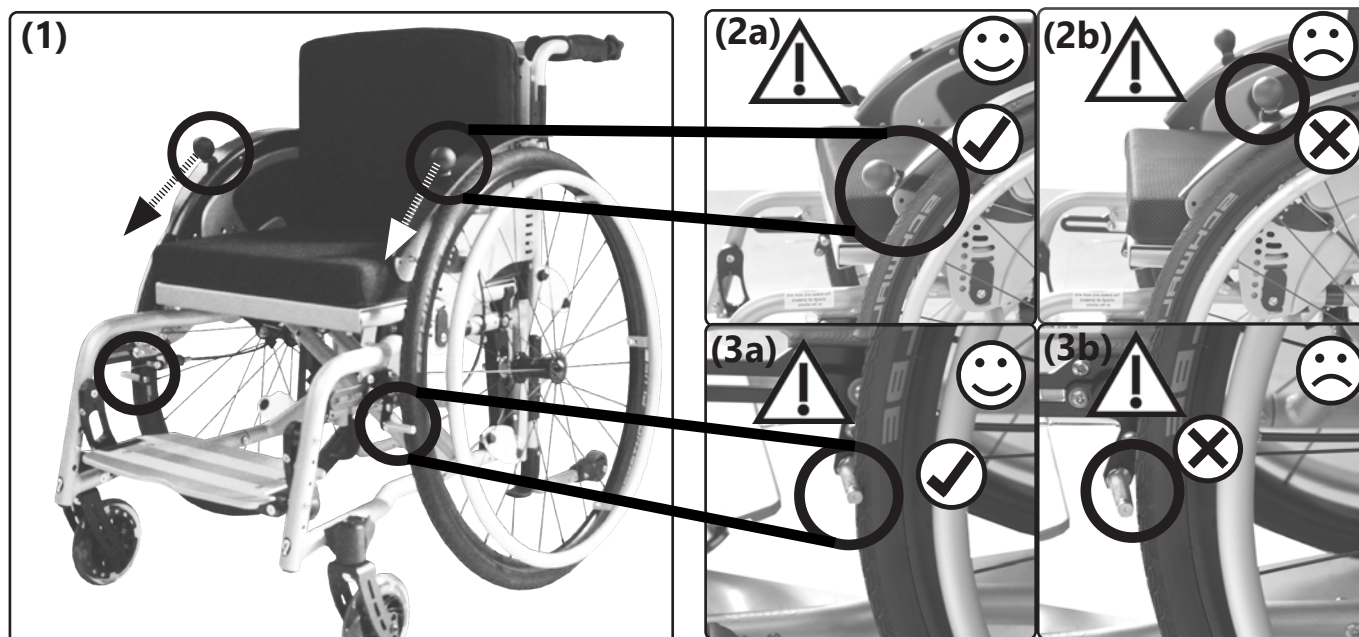
*Locking the knee lever brake:*





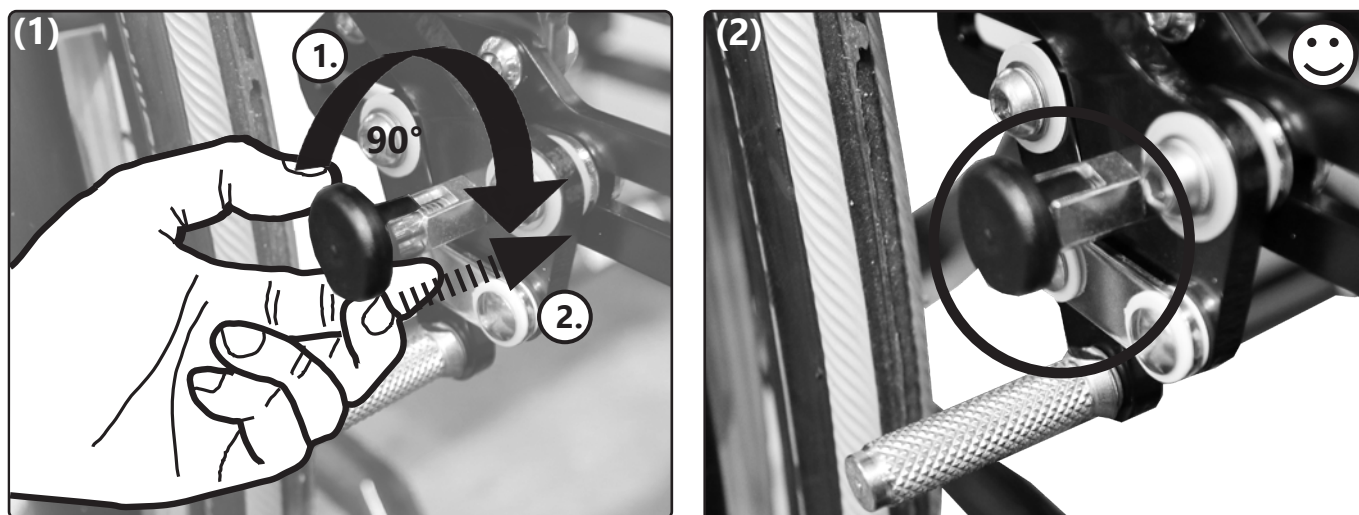
## 3.6 Handling the brake

*Locking the cable brake:*

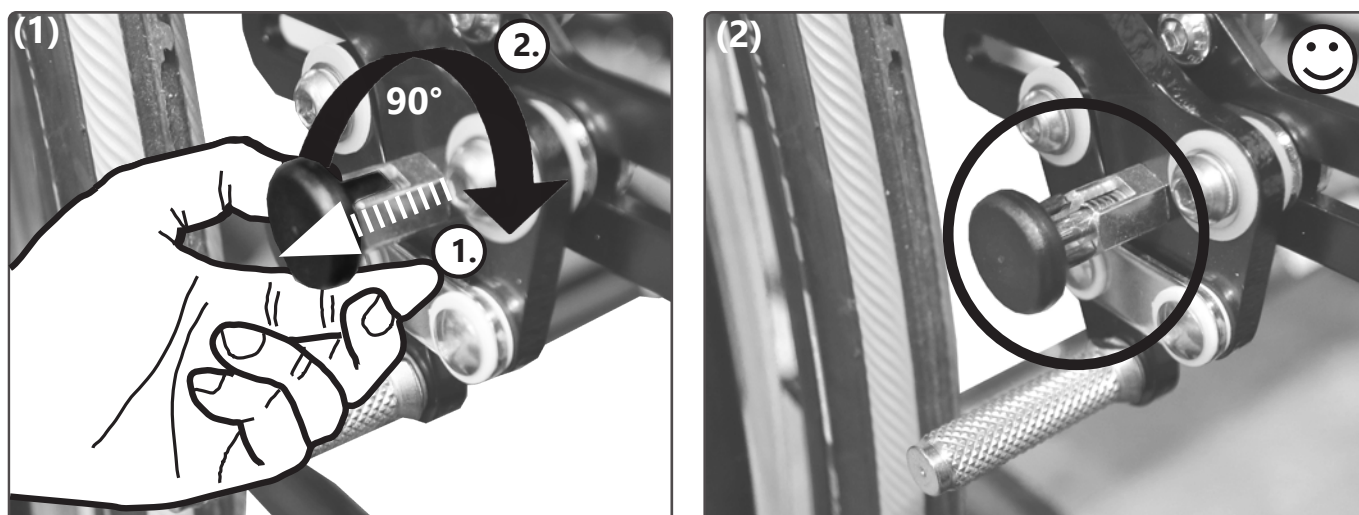


*Lock in open or closed position:*

First set the brake in the desired position (locked / unlocked).



*Unlock:*





## 3.6 Handling the brake

### 3.6.3 Drum brake

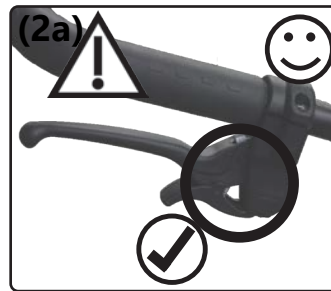
*Slowing down:*



⚠ Uneven use of both brake levers causes cornering.

⚠ Clean the brake bodies of the drum brake wheels at short intervals with a soft brush.

*Lock:*

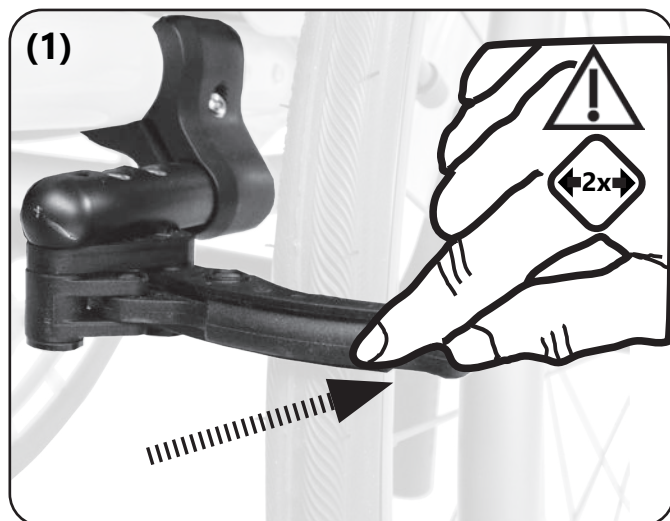


*Release:*

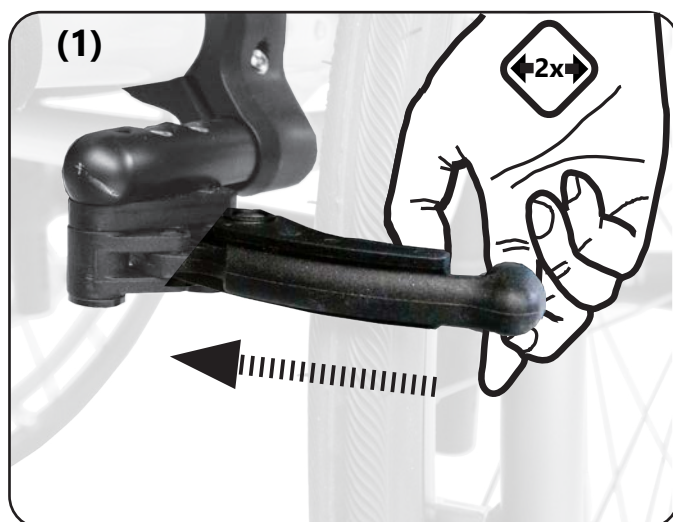


### 3.6.4 Compact brake

*Applying the brake:*



*Release:*



## 3.7 Handling anti-tipper

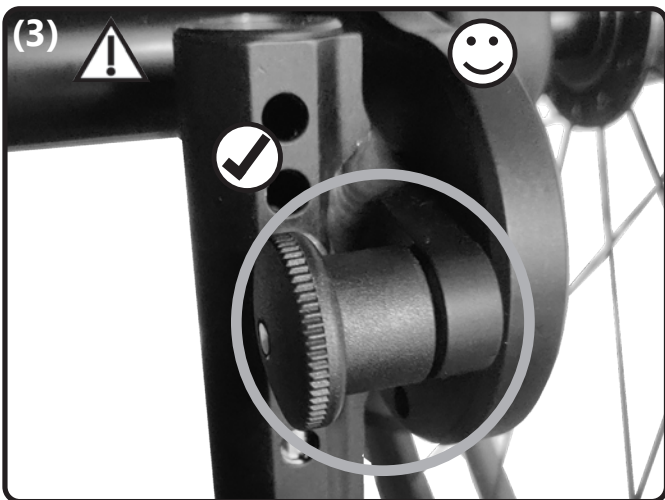
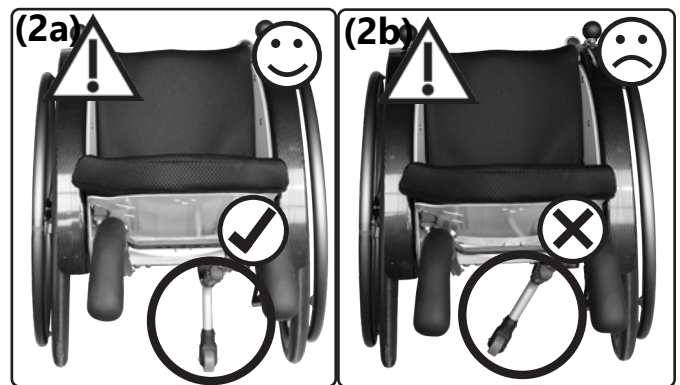
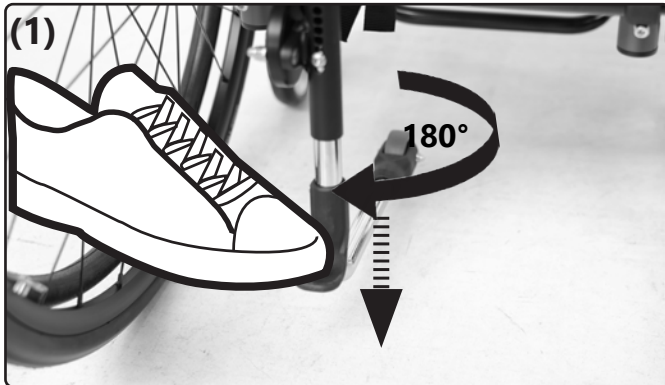
### 3.7.1 General information on anti-tipper

In the case of leg amputations, a wheelbase extension, or at least an anti-tip device, should be used to improve the stability against tipping.

A wheelbase extension is **not** a substitute for an anti-tipper.

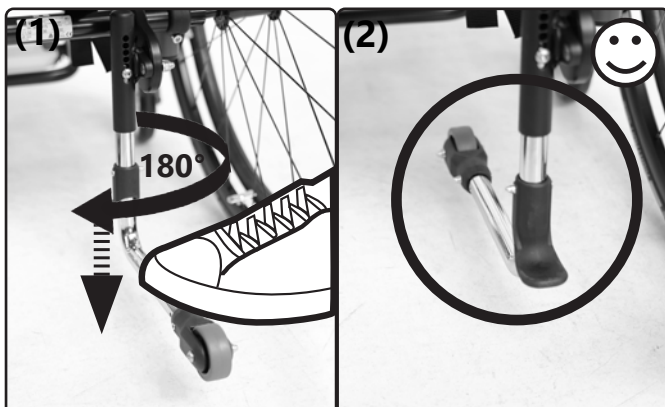
### 3.7.2 Anti-tipper swing away and pushed upwards

Activate:



The anti-tipper must always be locked in its end position.

Deactivate



### 3.7 Handling anti-tipper

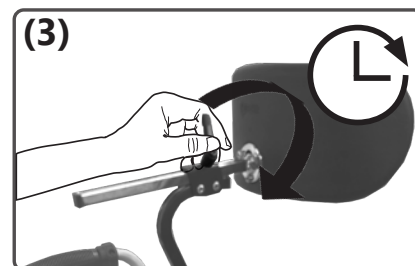
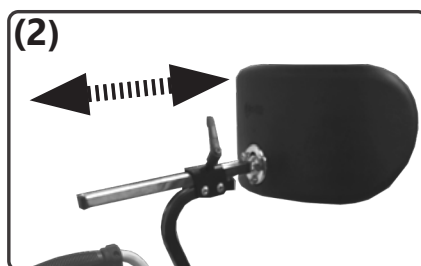
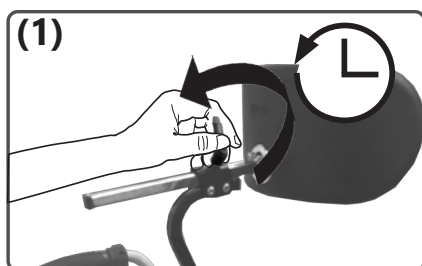
*Tilt protection can be swiveled upwards for transport and loading*



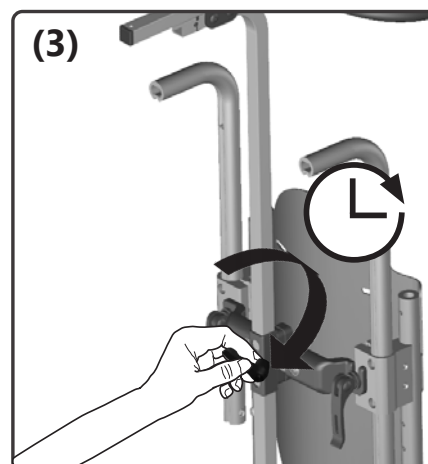
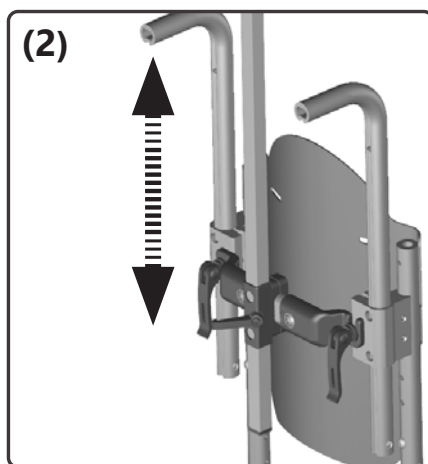
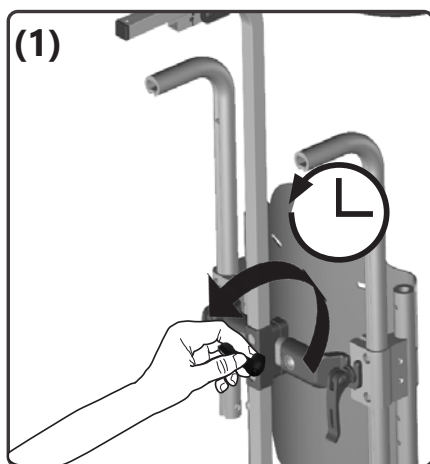
## 3.8 Handling headrest

### 3.8.1 General information headrest

*Set distance:*



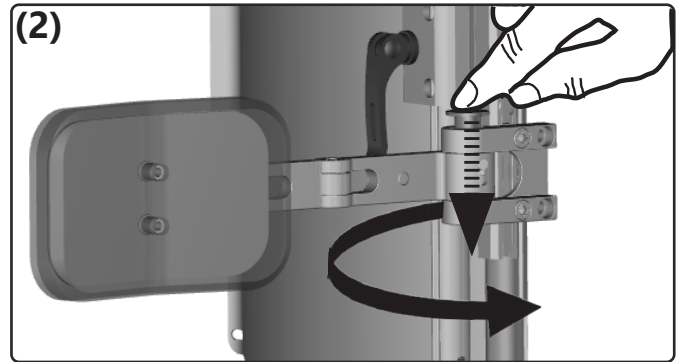
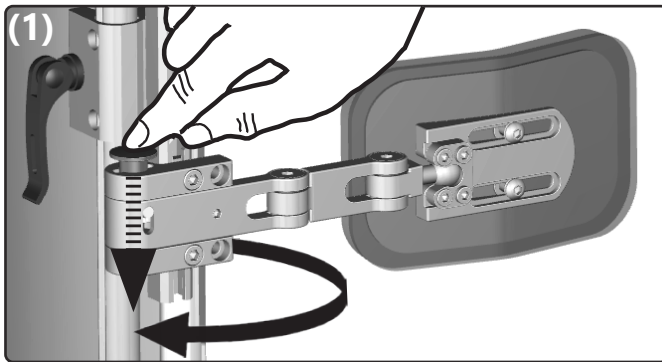
*Adjust the height:*



## 3.9 Handling of side panels

### 3.9.1 General information on lateral supports

Open / close:





### 4.1 Repairs



Repairs are to be carried out by the specialist retailer.

### 4.2 Spare parts

Only original spare parts may be used. You can obtain these from your specialist retailer.



**The spare parts list can be downloaded from [www.sorgrollstuhltechnik.de](http://www.sorgrollstuhltechnik.de) or requested from us.**

For a correct delivery of spare parts, please disclose the serial no. of your wheelchair. It is located on the label on the frame.

### 4.3 Cleaning

Regularly clean the wheelchair and all components with a mild household cleaning agent on a water basis and then dry it thoroughly.

In addition, clean the drive and caster wheels and remove dirt and contamination (e.g. hair, etc.) from the axles.

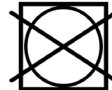
Wash textile parts:

*Care instructions:*



Wipe synthetic leather, straps and other upholstery:

*Care instructions:*



### 4.4 Disinfection

The chair must be disinfected by wiping it with a suitable disinfectant.

### 4.5 Storage

- Perform cleaning
- Fold the wheelchair (if available)
- Adjust the seat tilt (if available) to 90 °
- If necessary, pack removable textile parts in foil or similar
- Secure the wheelchair against rolling away and soiling
- Storage in a dry environment without aggressive environmental influences

### 4.6 Lifespan

The expected normal service life, depending on the intensity of use and the number of re-uses, is 5 years. For this purpose, the product must be used for its intended purpose and intended use, the specifications in the instructions for use must be followed and all maintenance and service intervals must be observed.

The product can be used beyond this period if it is in a safe condition. This usual, theoretical service life is not a guaranteed service life and is subject to a case-by-case examination by the specialist trade, as is the reusability.

Use beyond the specified service life leads to an increase in the residual risks and should only be carried out after careful, qualified consideration by the operator.

The service life can also be shortened depending on the frequency of use, the environment in which it is used and how it is maintained.

The usual service life does not refer to wearing parts such as textile parts, wheels and plastic parts that are subject to material-specific aging and / or wear.

This specified service life does not constitute an additional warranty or guarantee.

### 4.7 Reuse

Before re-use, a complete inspection according to the checklist must be carried out by a qualified specialist retailer as well as complete cleaning and disinfection. We recommend replacing all upholstery and textile parts for use by a new user.

### 4.8 Disposal

The wheelchair may only be disposed of with the approval of the insurance provider. The wheelchair must be disposed of in accordance with the applicable national legal regulations.

### 4.9 Maintenance / inspection

For safety reasons and to maintain product liability, an inspection by your specialist dealer is required at least once a year. This must be carried out and documented according to the checklist on the following page.

### *Maintenance and care checklist (user)*



Inadequate or neglected maintenance of the wheelchair represents a significant safety risk.

#### **Before every journey:**

##### **Please check:**

- Frame, back tubes, add-on parts and accessories for visible damage, bends, cracks or missing / loose screws,
- Wheels / thru axles on a tight fit,
- sufficient tire pressure, tire profile,
- Functionality of the brakes,
- tight fit of the angle adjustment elements / eccentric clamps,
- firm closure of the seat plate / back / foot plate,
- Functionality of the anti-tipper / seat and back straps,
- whether all previously dismantled parts are reinserted and firmly locked.

#### **Every 3 months:**

(also earlier depending on mileage)

##### **Please check:**

- Screw connections for tight fit,
- Weld seams, attachments and accessories for hidden damage, bends or cracks,
- Tire tread,
- the firm fit of third-party systems (if available).

Perform a cleaning and oil all moving parts.



If you discover any deficiencies during maintenance, please contact your specialist retailer immediately and stop using the wheelchair.

### *Annual inspection checklist (specialist retailer)*

**Copy template (available for download at [www.sorgrollstuhltechnik.de/downloadportal](http://www.sorgrollstuhltechnik.de/downloadportal))**

#### *Preparation:*

- ☐ Cleaning carried out

#### *Inspect:*

- ☐ RFrame, back unit, attachments and accessories checked for damage,  
Bends, cracks and corrosion,
- ☐ Checked fastening screws for completeness and tight fit,
- ☐ caster and drive wheels as well as the associated add-on parts checked for condition,  
functionality and running properties,
- ☐ Checked spokes for tight fit and completeness,
- ☐ Brakes cleaned and serviced,
- ☐ Locking mechanisms (tripod springs of the push handles, quick-release axles, eccentric clamps, etc.) checked for functionality,
- ☐ Anti-tipper checked for tight fit and functionality.

#### *Lubrication:*

- ☐ Moving parts and bearings are oiled

#### *Final check:*

- ☐ Functional check of all mechanical adjustment devices carried out

## 5.1 Data and measurements

### Airon

Model: Airon

Type: 792

Aid directory number: 18.50.03.6018

All dimensions  $\pm 5\%$

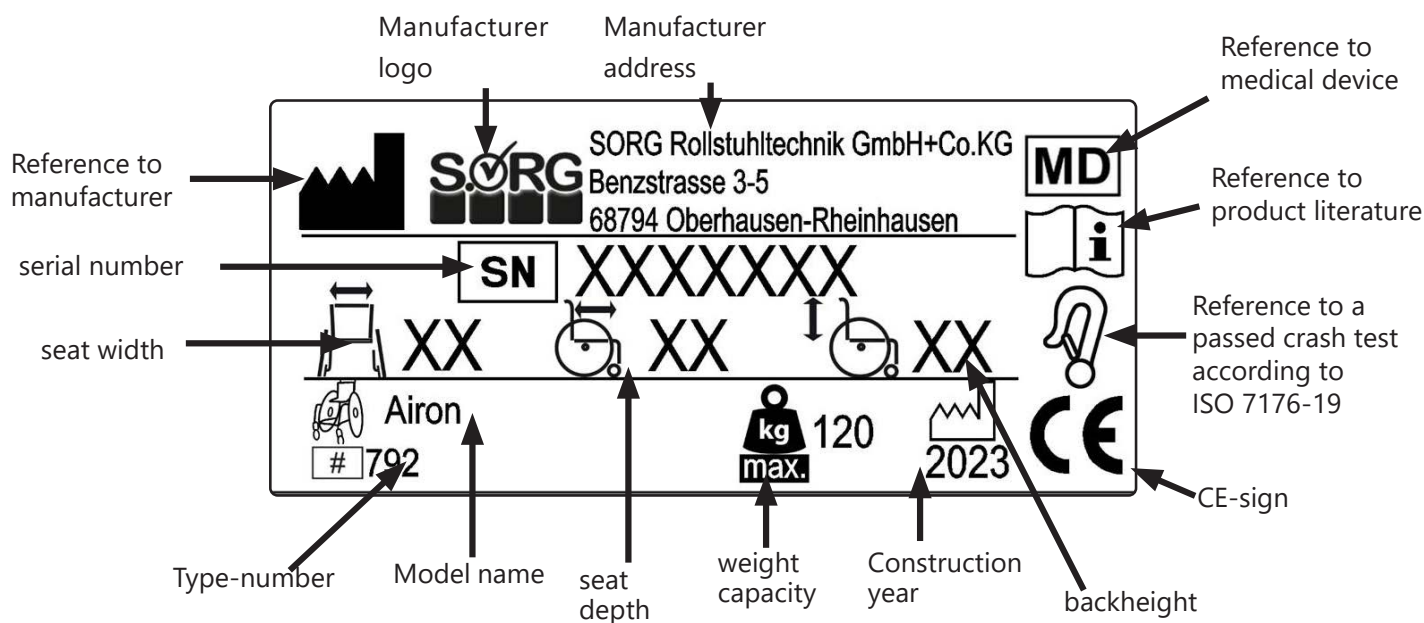
Title		Measurement	Comment
Seat width (SW) in 20 mm steps		280-500 mm	grows wit the user 20 mm from each seat width
Seat depth (SD) in 20-mm-steps		320-500 mm	3 x 100 mm growing with the user from every seat width
Backheight (BH) in 50-mm-steps		250-500 mm	
Upper edge seat to up- per edge footplate		300-325 mm 355-520 mm	The lower leg length results from the distance from: upper edge seat to upper edge foot-plate PLUS thickness of the seat cushion
Back angle	74°-118°		depending on the equipment
Lower leg length	190-520 mm		depending on the equipment
Seat angle	0 - 10°		
Frame length 1	SD 32-38	480 mm	pure frame length measured without push handles, molded back unit, wheels or footplate
Frame length 2	SD 40-46	600 mm	
Frame length 3	SD 48-50	660 mm	
ETRTO wheel size 22"		25 - 489	Commercially available pneumatic tires in sizes 1 "(25.4mm), 1 3/8" (35mm) - sizes 355 mm (20 "), 451 mm (22"), 540 mm, (24 "). All solid tires in the mentioned dimensions
ETRTO wheel size 24"		25 - 540	
ETRTO wheel size 25"		25 - 559	
hand rim size	at 22"	Ø max. 481 mm	
hand rim size	at 24"	Ø max. 538 mm	
hand rim size	at 25"	Ø 565 mm	
Diameter hand rim		Ø 19 mm	Pipe diameter
camber		1°, 3°, 5°, 7°	With drum brake wheels
seat height (SH) front	min.	420 mm	The seat heights are measured from the top edge of the seat to the floor, WITHOUT the seat cushion
seat height (SH) front	max.	520 mm	
seat height (SH) back	min.	375 mm	
seat height (SH) back	max.	480 mm	
Width wheelchair absolutely	min.	SW + 190 mm	With the smallest or largest wheel camber
	max.	SW + 350 mm	
Length wheelchair absolutely	min.	min. 835 mm	Correspondingly longer with outdoor-front end.
	max.	max. 970 mm	
Height wheelchair absolutely	with standard push handles	min. 750 mm max. 1120 mm	
	with height adjustable push handles	max. 1055 mm max. 1320 mm	
Permissible incline		12,3% = 7°	
Permissible slope		12,3% = 7°	
Security against tipping		12,3% = 7°	
Turning circle		approx. 1000 mm	depending on the wheelchair size
load capacity (max.)/ Weight test dummy		120 kg	
Empty weight, roadwor- thy 10.9 kg for:	Frame SW / SD 32/32, drive wheels 22 ", caster wheels 4" PU, continuous leg rests, seat and back upholstery, side panels		
Individual weights	drive wheels	0,97 – 2 kg	Depending on the size and equipment
	frame	8 kg	
Tyres	Commercially available pneumatic tires, sizes 1 ", 1 3/8" or solid (same dimensions), tire infla- tion pressure usually 3-10 bar		
Service life	3 years		with not excessive use
Lifespan	5 years		
Normative requirements	The wheelchair meets the requirements of ISO 7176-8 and the requirements against ignition		

## 5.2 Meaning of the labels

The meaning of the individual labels results directly from the respective text at the relevant point.

If the label is damaged or lost, a new label can be obtained from SORG Rollstuhltechnik.

*Label:*



## 5.3 Declaration of Conformity

SORG Rollstuhltechnik declares that the Airon product is a class 1 device and that it complies with the relevant provisions of the EU regulation (EU) 2017/745 on medical products.

This was verified by a conformity assessment procedure in accordance with the provisions for medical products.

This declaration loses its validity if changes are made to the product that have not been approved by SORG Rollstuhltechnik .





## 6 Proof of annual inspection

### Documentation yearly inspection

For safety reasons and to maintain product liability, an inspection by your specialist retailer is required at least once a year

serial number: \_\_\_\_\_

- ☐ Annual inspection carried out according to the checklist (year of operation 1st)

Remarks:

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stamp:

\_\_\_\_\_  
Date / signature of specialist retailer

- ☐ Annual inspection carried out according to the checklist (year of operation 2nd)

Remarks:

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stamp:

\_\_\_\_\_  
Date / signature of specialist retailer

- ☐ annual inspection carried out according to the checklist (year of operation 3rd)

Remarks:

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stamp:

\_\_\_\_\_  
Date / signature of specialist retailer

- ☐ annual inspection carried out according to the checklist (year of operation 4th)

Remarks:

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stamp:

\_\_\_\_\_  
Date / signature of specialist retailer

- ☐ annual inspection carried out according to the checklist (year of operation 5th)

Remarks:

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stamp:

\_\_\_\_\_  
Date / signature of specialist retailer







## Instructions for use Airon



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company stamp