

ENG

Tilty Vario



Instructions for use





Imprint

SORG Rollstuhltechnik GmbH + Co. KG Benzstrasse 3-5 68794 Oberhausen-Rheinhausen / Germany

Phone +49 7254-9279-0 Fax +49 7254-9279-10

E-Mail info@sorgrollstuhltechnik.de Web www.sorgrollstuhltechnik.de

Revision status

2023-09-19

Technical status

Technical changes and misprints reserved. The pictures in this Instructions for use can differ from the actual equipment components. However, a corresponding conduction is possible.

Copyright

All texts, pictures and graphics underlie copyright protection. All rights, including copying, publishing, editing and translating, remain reserved. © by SORG Rollstuhltechnik GmbH+Co. KG Benzstraße 3-5, 68794 Oberhausen-Rheinhausen / Germany.

Our terms and conditions can be found on our order forms and at www.sorgroll-stuhltechnik.de/impressum

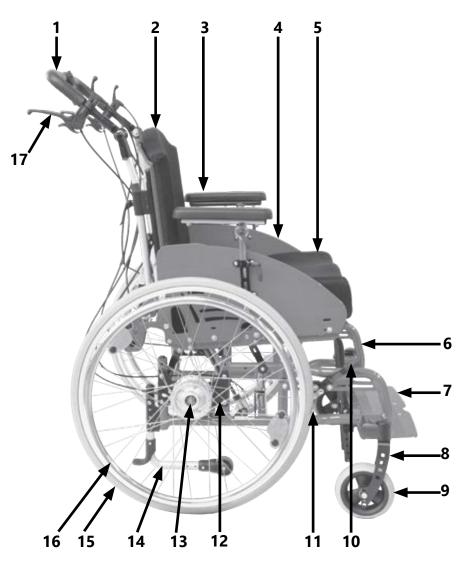
Table of Content

S	Ø	R	G
_	_	_	_

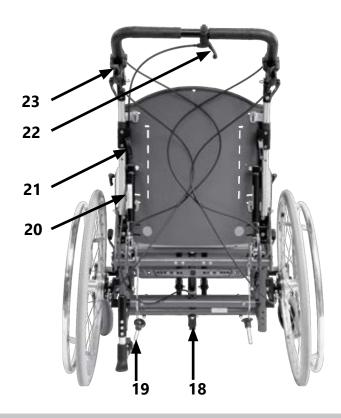
1	Wheelchair overview	5		3.11 Handling abduction wedge	38
2	General information	6		3.11.1 General information regarding ab-	38
_	2.1 Preface	6 6		duction wedge 3.12 Lateral truss pad handling	38
	2.2 General information regarding instruc-	O		3.12.1 General information regarding late	
	tions for use	6		truss pad	38
		7		truss pau	30
	2.2.1 Signs and Symbols	8	1	Panaire / maintanance / reinstatement	40
	2.2.2 Intended purpose	8	4	Repairs/maintenance/reinstatement	40
	2.2.3 Indication			4.1 Repairs	
	2.2.4 Contraindication	9		4.2 Spare parts	40
	2.3 General safety information	9		4.3 Maintenance	40
	2.3.1 Loading and transport without occu			4.4 Disinfection	40
	pants	11		4.5 Storage	40
	2.3.2 Transport of the wheelchair with pa			4.6 Lifespan	41
	sengers in a motor vehicle	11		4.7 Reinstatement	41
	2.3.3 Other important information	13		4.8 Disposal	41
_				4.9 Maintenance/Inspection	41
3	Handling	16			
	3.1 Handling driving wheel	16	5	Technical data	43
	3.1.1 General information regarding wheels	16		5.1 Data and measurements	43
	3.1.2 Tyre inflation pressure	16		5.2 Meaning of labels	44
	3.1.3 Quick-release axles	16		5.3 Declaration of conformity	44
	3.1.4 Double hand rim-wheels	17			
	3.2 Handling swivel caster	18	6	Verification of yearly inspection	45
	3.2.1 General information regarding swiv	el			
	casters	18			
	3.2.2 Caster track lock	18			
	3.3 Handling seat and back	19			
	3.3.1 General information regarding back	:19			
	3.3.2 (Seating unit) tilt mechanism	19			
	3.3.3 Back with gas pressure spring	20			
	3.3.4 Back with raster	23			
	3.3.5 Back extension	24			
	3.4 Handling pushing aid	25			
	3.4.1 General information regarding pushing				
	aids	25			
	3.4.2 Push bail	26			
	3.5 Handling leg support	28			
	3.5.1 General information regarding leg				
	supports	28			
	3.5.2 Foldable footrest with locking mech				
	nism	29			
	3.5.3 Standard leg support	29			
	3.5.4 Leg supports that can be elevated,				
	divided or be brought into one piece	30			
	3.5.5 Calf rest	30			
	3.6 Handling brake	31			
	3.6.1 General information regarding brakes				
	3.6.2 Wheel lock	31			
	3.6.3 Drum brake	32			
		32			
	3.6.4 Reverse-roll locking	33			
	3.7 Handling anti-tipper	22			
	3.7.1 General information regarding anti-ti-tipper	22			
	ti-tipper	33			
	3.8 Handling therapy table	34			
	3.8.1 General information regarding therapy				
	table	34			
	3.9 Handling arm pad	35			
	3.9.1 General information regarding arm	2.5			
	pad	35			
	3.10 Handling headrest	37			
	3.10.1 General information regarding heads				
		37			







- **1** Push bail, angle adjustable
- 2 Firm curved back plate, angle adjustable
- **3** Arm pad
- **4** Side guard
- 5 Anatomic moulded seat part
- **6** Frame
- **7** Footrest
- 8 Caster fork
- 9 Swivel caster
- 10 Control element for knee lever brake
- 11 Brake pressing bolt12 Axle plate
- **13** Drum brake hub with quick-release axle
- 14 Ånti-tipper15 Driving wheel
- **16** Handrim
- **17** Drum brake operating lever



- **18** Frame cross beam
- **19** Plug bolt for locking the back-gas pressure spring
- 20 Gas pressure spring for back angle-adjustment21 Eccentric clamp for
- height adjustment of the push bail
- 22 (Seating unit) tilt mechanism tripping lever
- 23 Drum brake operating lever



MADE IN **GERMANY**

2.1 Preface

A warm welcome to the SORG family – many thanks for the trust you have placed in us and for choosing our product.

This wheelchair has been individually tailored to meet your specific requirements.

You will find the usage and adjustment instructions below so that you can use the wheelchair in everyday life without tools. Please observe these instructions and handle the wheelchair carefully so that you can enjoy it for as long as possible.

Please do not hesitate to contact us if you have any questions about this or any other product.

We hope you enjoy using your SORG product.

Your SORG team

2.2 General information regarding instructions for use

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

All settings, adjustments and repairs beyond the scope of these instructions for use, and the annual inspection, must be carried out by a qualified specialist dealer.

You can find more information about this in our service record, which can be accessed at www.sorgrollstuhltechnik.de

The user and specialist dealer must have read and understood these instructions before commissioning. These instructions for use cover all equipment variants of the product. Have your consultant instruct you on the safe handling of the wheelchair and your individual equipment variants on level ground and with the support of an accompanying person.

Those with impaired vision can find these instructions for use on our website www.sorgroll-stuhltechnik.de as PDF and audio files.

Please contact your specialist dealer or our team if you have any questions or comments (+49 7254 9279-0).

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



2.2.1 Signs and Symbols



ATTENTION! Warnings for personal Safety aspects that are of the utmost importance.



important detail



CORRECT safety adjustment/ use



correct or proper use/setting



INCORRECT adjustment /use



incorrect or improper use/setting



NOT ALLOWED



reference from text to detail



References to additional/ continuing reading.

USE



push/ pull/ insert/ move/ remove



View



Push in specific direction



view from top



Setting or adjusting the angle



view from the side



open/close



view from the bottom



Turn clockwise



view from the front



Turn counterclockwise



view from the back



steps to be done at the same time



fasten parts



Steps to be taken on both sides

steps to be done after each other

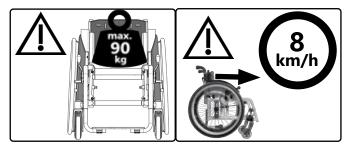


remove parts



2.2.2 Intended purpose

The Tilty Vario is a growable active wheelchair with a tilting function for children, young people and adults intended for indoor and outdoor use.



The wheelchair is designed solely for the transport of the person for whom it has been specially adapted by a qualified specialist dealer.

Parents or authorised guardians must ensure that the information in the instructions for use is followed for children or persons with impaired capacities.

The safest possible use of the aid is only possible on level, firm and dry ground with the antitipper activated and with the help of an accompanying person.

Any use beyond this entails taking a variety of risks for which only the user themselves can take responsibility. This requires sufficient competence in identifying and avoiding hazards and safe handling of the aid by the user! An increased hazard potential must be taken into account, especially in wet conditions, ice, loose ground, slopes, obstacles, close proximity to water, road traffic, narrow spaces, etc.

Only use the wheelchair for its intended purpose. Any improper use of the product involves considerable risks and will invalidate product liability.

The large variety of combinations for seat and wheel position means that settings can be made that are outside the safety and application range.

2.2.3 Indication

Use is suitable for the following, among others:

- in all forms of therapy for alternating placement and positioning,
- for stimulation/strengthening of the complete metabolism, the vegetative nervous system and/or the complete cardiovascular system,
- for activation, preservation and development of the entire tonicity or individual muscle groups,
- for the development/strengthening of the entire skeleton,
- for slowing down or restricting of scoliotic developments,
- for slowing down or restricting of atrophic or dystrophic modifications of the musculature,
- for stimulation/strengthening of sensitive integration (perception or vestibular stimulation),
- for all forms of paresis and/or neuromuscular conditions,
- for rehabilitation after serious (craniocerebral) trauma,
- for all forms of therapy in relation to cerebral dominance



2.2.4 Contraindication

Active use is unsuitable for:

- serious perception and balance disorders, impaired vision
- loss of limbs on both arms,
- joint contractures/joint damage on both arms,
- · inability to sit,

We accept **no** liability for damage to persons or objects resulting from the circumstances described above.

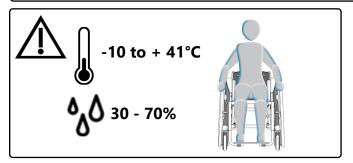
2.3 General safety information

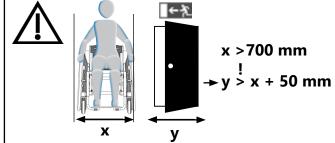


Before each use, check:

- the frame, back tubes, add-on parts and accessories for visible damage, bending, cracks or missing or loose screws,
- the wheels and quick-release axles for tightness,
- that the inflation pressure and tyre tread are sufficient,
- · that the brakes are working properly,
- · that the angle adjustment elements/ eccentric clamps are secure,
- that the seat plate/ back/ footrest are tightly locked,
- that the anti-tipper/seat and back belts are functioning correctly,
- that all previously dismantled components have been reconnected and firmly locked.

There is a risk of injury (e.g. due to crushing) from all rotating, swivelling or foldable components, even during adjustment and repair work and during transport.





Danger of tipping over and overturning

 \bigwedge Occupants must only get in and out of the wheelchair with the wheel lock and anti-tipper engaged.

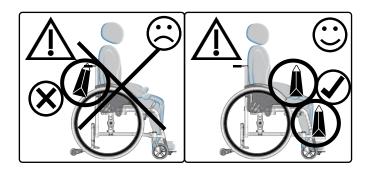


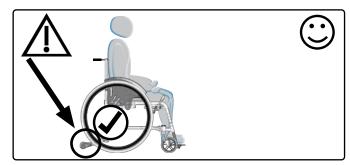
Do not use the footrest(s) for getting in and out of the wheelchair. The wheelchair might tilt forward.

The risks listed as examples below may occur when dismantling the following parts/accessories:

- Footrest: legs jammed during transport
- Headrest: loss or missing during transport
- Arm rests: loss during transport
- Seat shell back guide: loss or misalignment of the seat shell during transport possible
- Push bail: loss or missing pushing option during transport



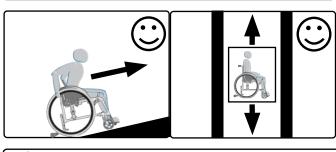


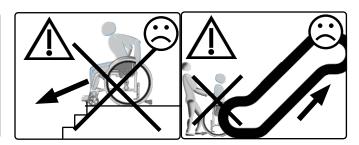


We strongly recommend the use of the anti-tipper.

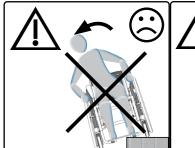


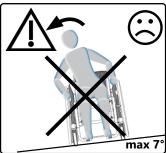
The anti-tipper must be deactivated when moving down over edges.

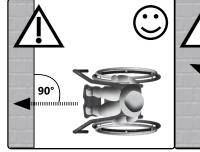


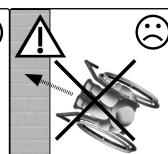


Only negotiate stairs with the help of experienced assistants. The anti-tipper must be deactivated when doing so. The wheelchair must always be carried by the **frame only**, **never** by the seat shell, the extendable push handle(s), push bail, handle bar, leg supports and/or the footrest(s)!



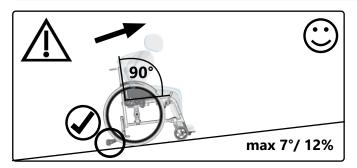


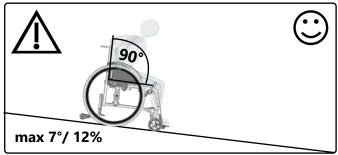






Inclines, downward gradients and obstacles





2.3.1 Loading and transport without occupants

Make sure that the packing size you require is suitable and secure the wheelchair and all dismantled components with sufficient load securing. The wheelchair is suitable for transport (land/air) in principle. Inform yourself about suitable load securing precautions before transport.

Carrying points:

- Frame tubes, rear I/r
- Frame tubes, front l/r
- But **not** on the footrests.

2.3.2 Transport of the wheelchair with passengers in a motor vehicle

The characteristics of wheelchairs mean that they can never achieve the stable properties of a fixed seating system in a vehicle. Wherever possible, we recommend using a fixed vehicle seat to transport a person in a motor vehicle.

Only wheelchairs that have successfully passed a crash test in accordance with ISO 7176-19 may be used as seats in motor vehicles. Successfully tested seat shell-underframes and wheelchairs are provided with the symbol for the attachment point on the affixed nameplate.



The Tilty Vario has been successfully tested in accordance with ISO 7176-19 and is therefore approved for use as a seat in a motor vehicle provided that it is fitted with the necessary restraint systems.



Please check whether your wheelchair is custom-made because it may not be suitable for use as a seat in a motor vehicle. If this is the case, the symbol for the attachment point will be missing from the nameplate and the wheelchair will be marked with a warning, represented by the crossed-out symbol for the attachment point.



More information can be found in the crash test brochure at www.sorgrollstuhltechnik.de/downloadportal.

We can recommend the following manufacturers of restraint systems:

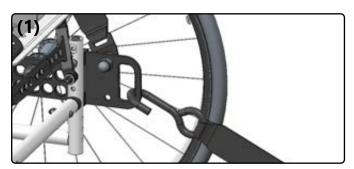
- SORG restraining eyelets on wheelchairs
- AMF-BRUNS GmbH & Co.KG
- Q'Straint Europe



Attachment points/methods for transport in motor vehicles

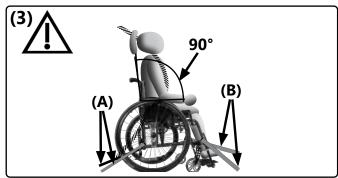
When using the wheelchair as a seat in a motor vehicle, only the positions marked with the symbol for the attachment point should be used. These can usually be found at the back left and right (1) and at the front left and right. (2)





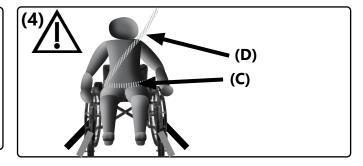


The wheelchair must be fixed with a 4-point wheelchair restraint system anchored to the vehicle in accordance with ISO 10542. These may be carabiner hooks, S-shaped hooks or plug-in fasteners. The wheelchair restraint system must be securely fastened and used in accordance with the user manual of the manufacturer. (3A+B)



If the wheelchair is equipped with a back angle-adjustment or tilt mechanism, the occupant must sit in an upright position at a 90° back angle during transport (3). Leg supports that can be swung up must be adjusted to the lowest position.

The user must be additionally secured with a fixed lap belt **(4C)** approved for transport in accordance with ISO 10542 and a vehicle-anchored shoulder belt **(4D)** so that the risk of head and upper body injuries can be minimised to the greatest extent possible. The seat belts must not be twisted



during use, nor must they be guided over any structural components, which would keep them away from the body. They have to be tight and firm without impairing user comfort. The lap belt buckle must be positioned between the pelvic bones (if possible in the middle). The buckle tongues on the lap belt for fastening the shoulder belt should be located on the outside of the pelvis where possible.

 \bigwedge All belts used for transport must be regularly inspected for damage.

A headrest suitable for transport must be used.

The wheelchair must only be used as a forward facing seat in motor vehicles in accordance with ISO 7176-19. No transport with the wheelchair facing sideways!

Immediately contact your authorised dealer after a collision to check the carriage, frame and brakes and have any damage repaired by a specialist without delay.

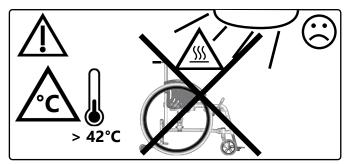


Any braking devices fitted to the wheelchair must be in the braked position when the wheelchair is transported in a motor vehicle.

2.3.3 Other important information

The wheelchair has been tested and verified for resistance to ignition of textile materials in compliance with the applicable standards. Nevertheless, there is a risk of ignition of the flame-retardant textile components. Keep any sources of ignition away from the wheelchair.

The wheelchair must neither be exposed to excessive moisture nor come into contact with salt water.





When configuring the wheelchair, pelvic restraints (lap belts as positioning aids) can be optionally purchased via the SORG order sheets or by ordering from the replacement parts catalogues. Your specialist dealer will carry out the assembly.

The product may interact with electromagnetic fields (e.g. shop anti-theft devices) in individual cases. This poses no danger to the user and/or the attendant.

The wide variety of settings available means that not all limit values can be complied with in all possible configurations in accordance with the Regulation (EU) on the technical specifications for interoperability relating to accessibility of the Union's rail system for persons with disabilities and persons with reduced mobility.

Please contact your specialist dealer or us as the manufacturer if you experience any issues with the wheelchair. Product recalls etc. will be published on our website www.sorgrollstuhltechnik. de. You can also find the respective contact persons there.

Corrosion protection

The product has been designed with corrosion protection in mind when selecting the materials (e.g. plastic, aluminium, stainless steel). All materials prone to corrosion are surface-treated and are therefore protected.

The wheelchair must be dried thoroughly if it becomes wet.



Lifespan

Use beyond the specified lifespan increases the residual risks and should only be carried out after careful, qualified consideration by the operator. If the useful life is reached, the user or a responsible person should contact the specialist dealer. There you can be informed about the possibility of reprocessing the product.

Combination with products from other manufacturers

The wheelchair may only be combined with the electrical auxiliary drives approved by the manufacturer. The responsibility of restrictions or adjustmens as well as the attachment itself lies with the supplier of the additional system or the specialized retailer. Please ask about the conditions with the manufacturer of the auxiliary drives.

In combination of wheelchair and electric auxiliary drive, certain strains occur that can lead to damage to the wheelchair. Slowly approach abstacles and carefully overcome them so that little force is applied to the casters, rear wheels and the wheelchair as a whole.



3.1 Handling driving wheel



3.1.1 General information regarding wheels

Frictional heat is generated by braking the wheels on the handrims.

Handrim covers can stretch when exposed to heat and become detached from the handrim.

3.1.2 Tyre inflation pressure

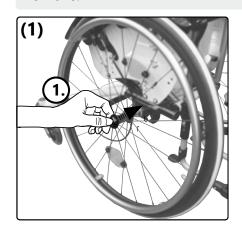
You can find the right operating pressure on the tyre casing - usually 3-10 bar. (1)

If the tyre is flat, please contact your specialist dealer.

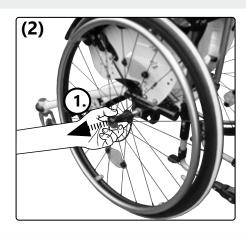


3.1.3 Quick-release axles

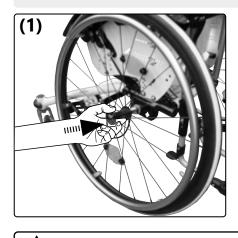
Remove:

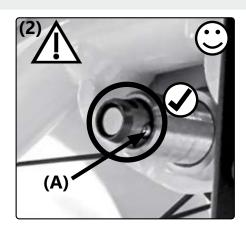






Insert:





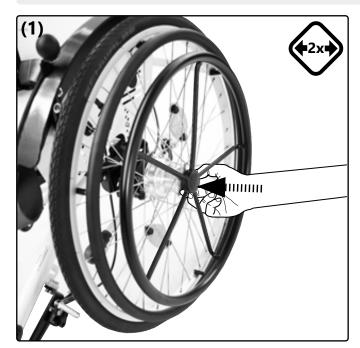
(2) After insertion, the locking ball (A) must be visibly protruding. Pull at least 1x after each insertion to test whether the quick-release axle is engaged. It should no longer be possible to pull the wheels outwards.

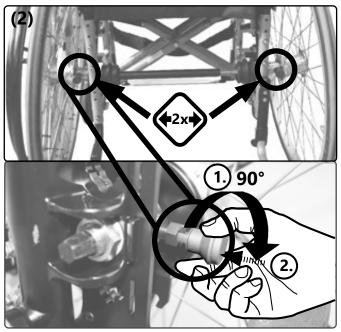
3.1 Handling driving wheel

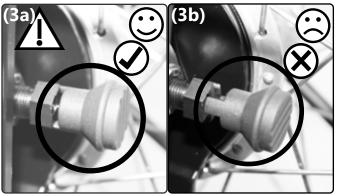


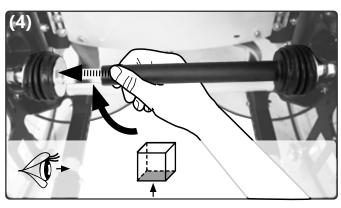
3.1.4 Double hand rim-wheels

Insert:



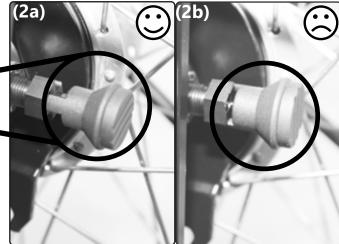






Remove: Proceed accordingly in reverse order





3.2 Handling swivel caster

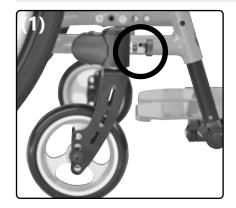


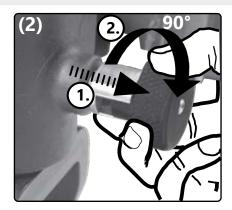
3.2.1 General information regarding swivel casters

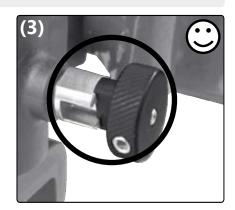
Incorrectly adjusted swivel casters or excessive speed can cause the casters to flutter. Immediately slow down at the first sign of fluttering and have the swivel casters readjusted by a specialist dealer.

3.2.2 Caster track lock

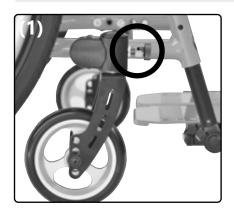
Unlock:

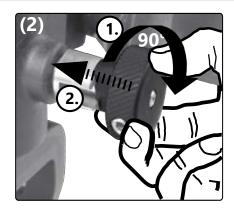


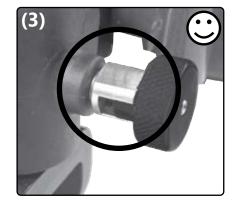




Lock:









3.3.1 General information regarding back

 \bigwedge Check the secure fit of the back after each change.

In the case of angle-adjustable backs or (seating unit) tilt mechanisms, it is essential to activate the anti-tipper from a setting of > 90°. The head must be supported (e.g. by a headrest) during back angle-adjustment or tilting.

Only activate the (seating unit) tilt mechanism or angle adjustment when stationary with the brakes applied.

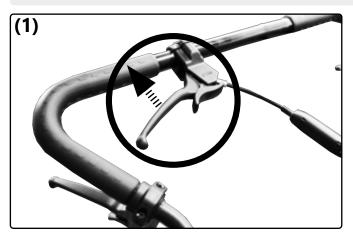
3.3.2 (Seating unit) tilt mechanism

Tilting simple gas pressure spring:





Tilting double gas pressure spring:

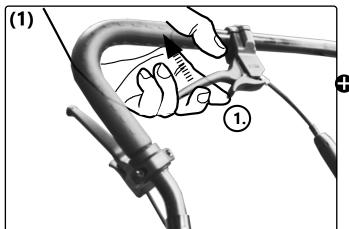






3.3.3 Back with gas pressure spring

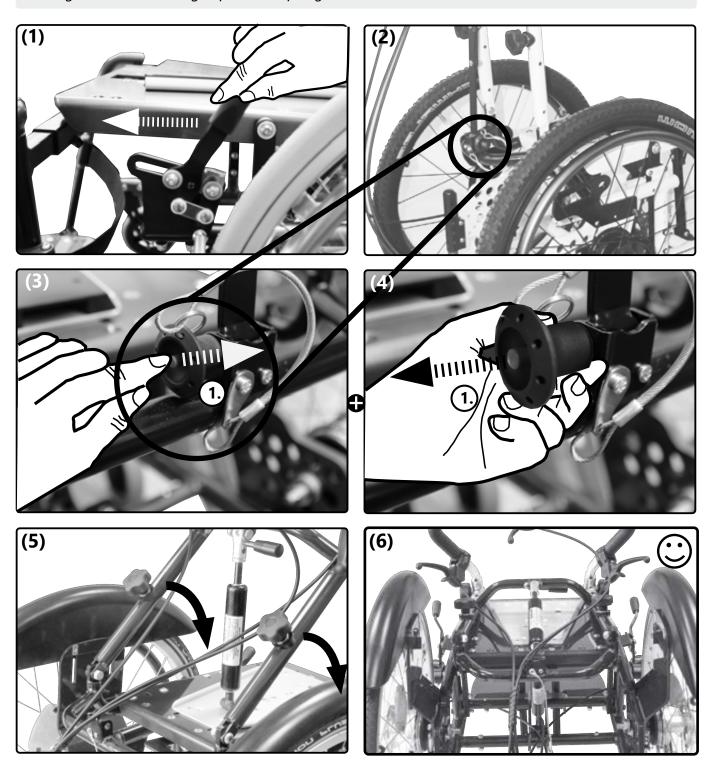
Shift:



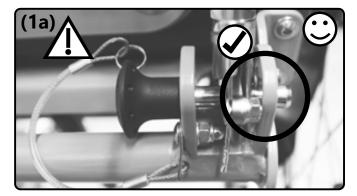


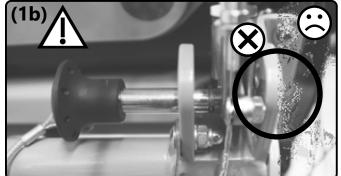
SØRG

Folding down back with gas pressure spring:



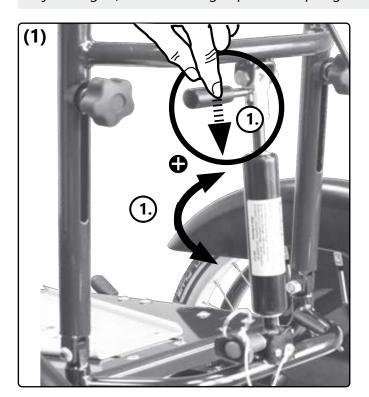
Folding open back with gas pressure spring: Proceed accordingly in reverse order:







Adjust angle for back with gas pressure spring:

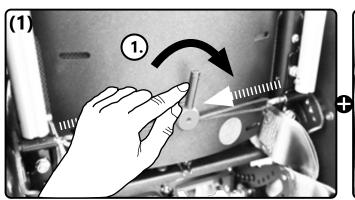


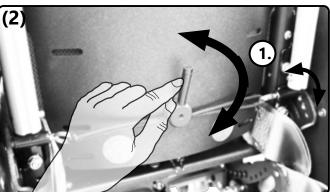


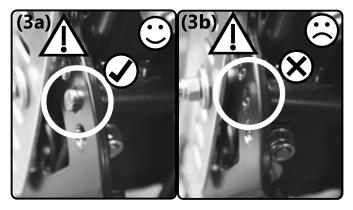
3.3.4 Back with raster

Shift:

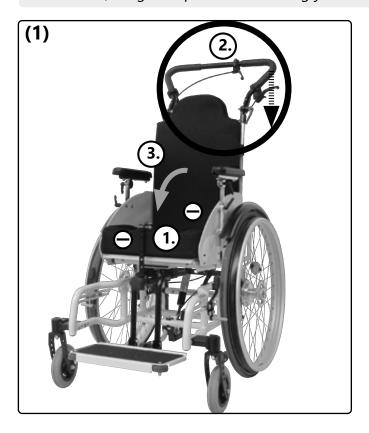
extstyle ext







Fold down (straighten: proceed accordingly in reverse order):

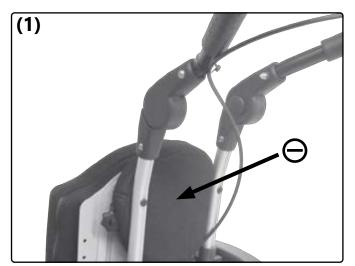


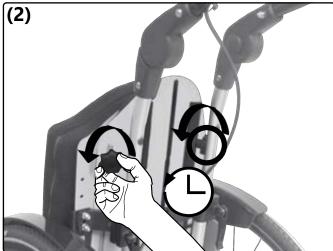


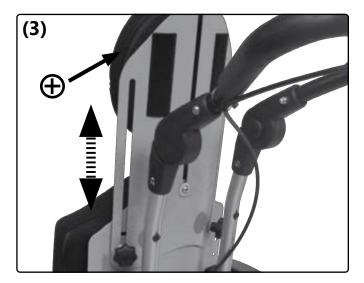
3.3.5 Back extension

Pull out (lower: proceed accordingly in reverse order):

riangleThe lowerable back extension is **not** suitable as a headrest in a motor vehicle!









3.4 Handling pushing aid



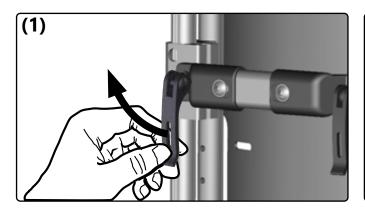
3.4.1 General information regarding pushing aids

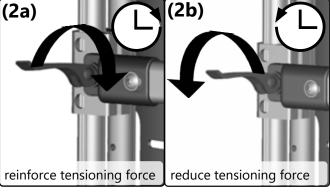
All height-adjustable pushing aids are designed exclusively to push the occupant in their wheelchair - **not to carry them**.

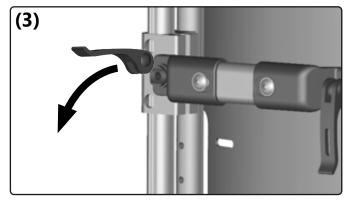
Children are not able to competently judge the swivel range of protruding pushing aids and may injure others while playing. We recommend folding back or dismantling the pushing aids in such cases.

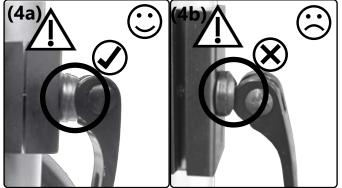
Check that the eccentric clamps are tightly closed and in good working order before each use of the pushing aids. It must not be possible to move the pushing aids in the intake with the eccentric clamp(s) in the closed position.

Set the eccentric clamp:







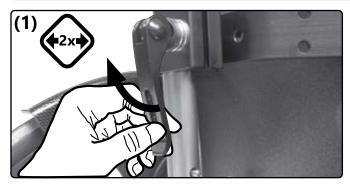


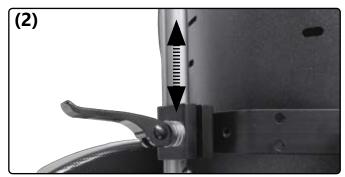
3.4 Handling pushing aid

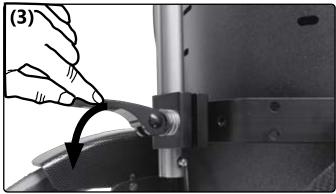


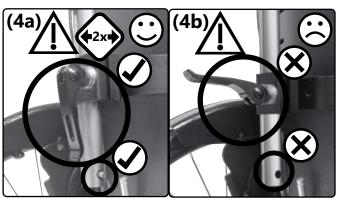
3.4.2 Push bail

Set height:

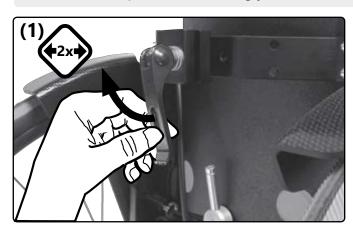


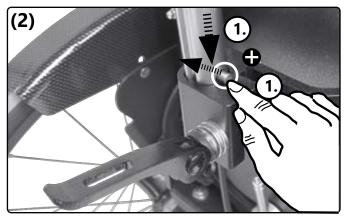


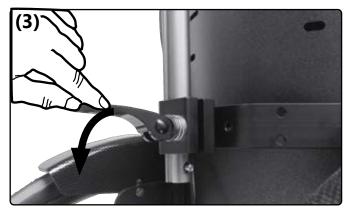


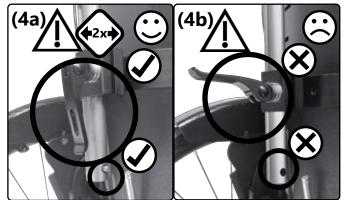


Insert (remove: proceed accordingly in reverse order):





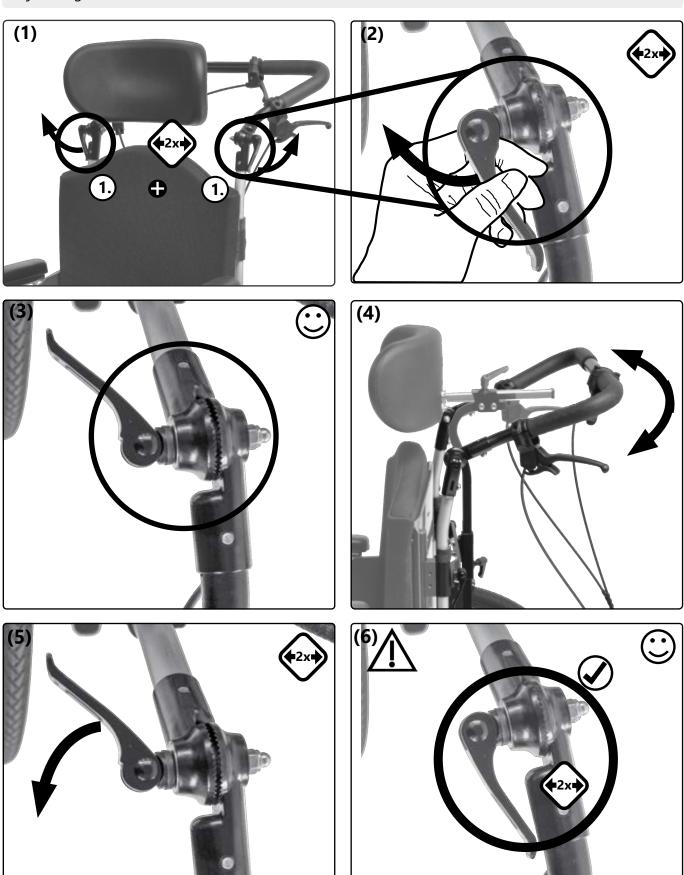




3.4 Handling pushing aid



Adjust angle:



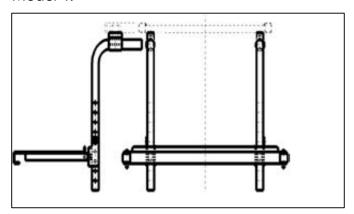
3.5 Handling leg support



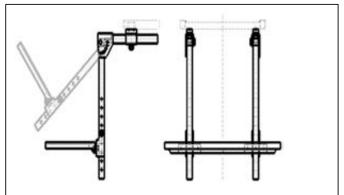
3.5.1 General information regarding leg supports

Types of leg supports and their handling:

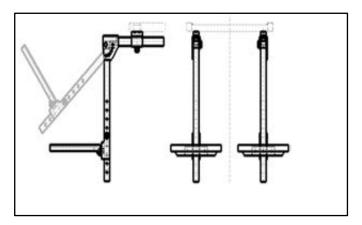
Model 1:



Model 2:



Model 3:

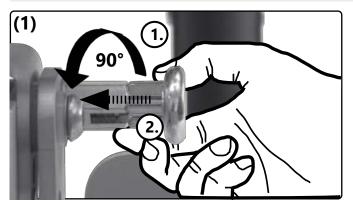


3.5 Handling leg support



3.5.2 Foldable footrest with locking mechanism

Lock (unlock: proceed accordingly in reverse order):

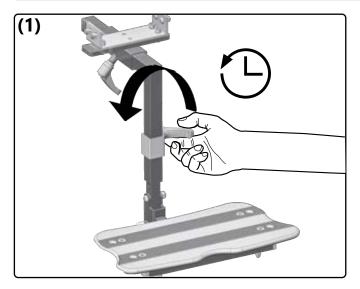


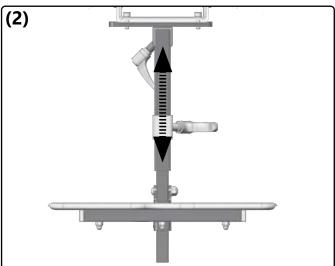


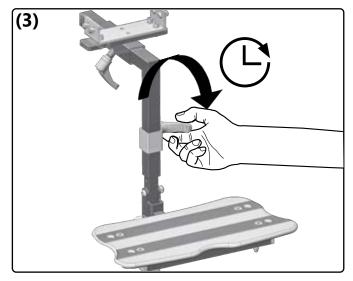
As the occupant, make sure that you do not lean too far out of the wheelchair when handling the locking mechanism.

3.5.3 Standard leg support

Set height:





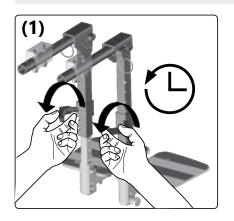


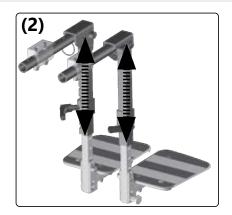
3.5 Handling leg support

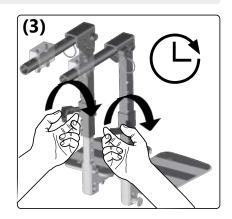


3.5.4 Leg supports that can be elevated, divided or be brought into one piece

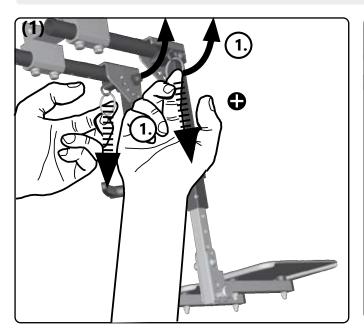
Set height:

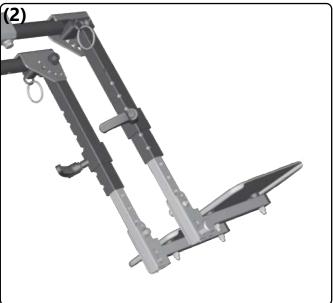






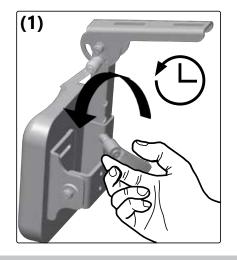
Set height:

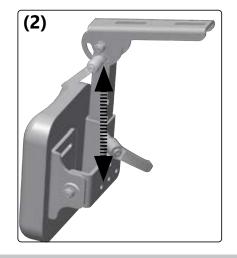


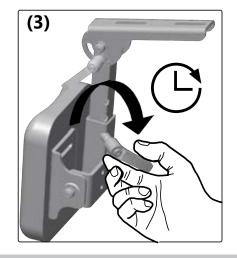


3.5.5 Calf rest

Set height:







3.6 Handling brake



3.6.1 General information regarding brakes

Check that the brakes are in good working order before moving! Immediately contact your dealer if the braking effect deteriorates.

Possible impairments or malfunctions may be caused by:

- contaminated or incorrectly adjusted brakes,
- defective cable controls,
- · too large a distance between brake pressure bolt and tyres,
- insufficient tyre inflation pressure (information on the tyre casing),
- wetness, snow, mud etc..,
- worn treads,
- worn or contaminated brake pressure bolts.

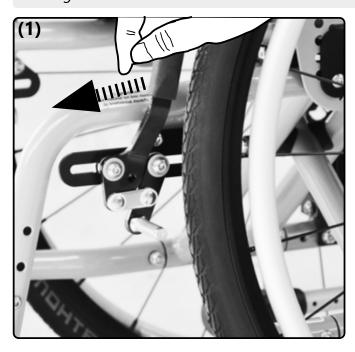
The wheelchair cannot be used until the brakes have had any malfunctions rectified.

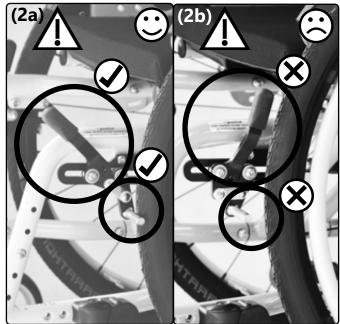
 $\widehat{igwedge}$ Always check that the brakes are locked securely and in working order on downhill gradients.

3.6.2 Wheel lock

The knee lever and cable control brakes are wheel locks and are **not** suitable for slowing down when moving.

Locking the wheel with the knee lever brake:



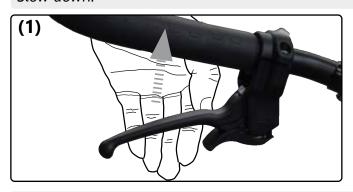


3.6 Handling brake



3.6.3 Drum brake

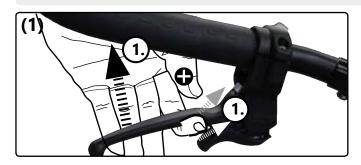
Slow down:

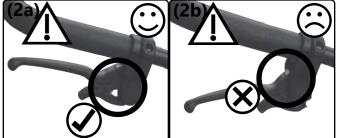


Unequal use of both brake levers results in cornering.

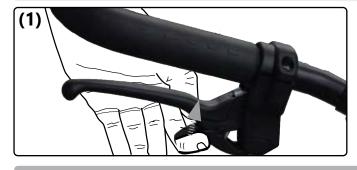
Clean the braking elements of the drum brake wheels at short intervals using a soft brush.

Lock:



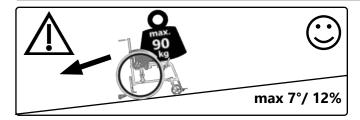


Release:



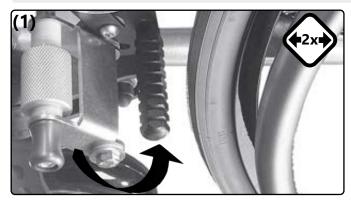


3.6.4 Reverse-roll locking



Not suitable in combination with auxiliary drives.

Activate (deactivate: proceed accordingly in reverse order):





3.7 Handling anti-tipper

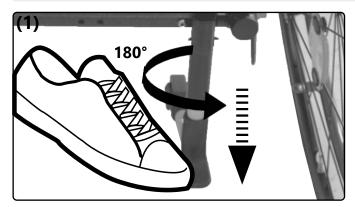


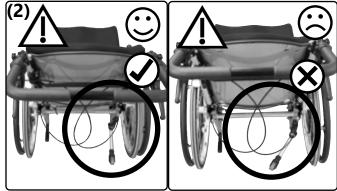
3.7.1 General information regarding anti-tipper

To improve tilting stability, a wheelbase extension, or at least an anti-tipper, must be used by people who have had leg amputations.

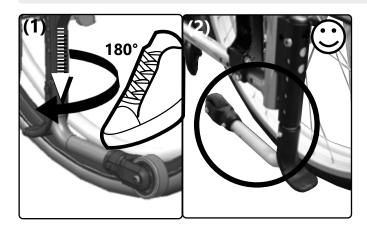
 \mathbf{N} A wheelbase extension is **not** a replacement for an anti-tipper.

Activate:





Deactivate:



Only rotate the anti-tipper 180° from deactivated position to active position. Avoid full revolutions in one direction, since otherwise the tension spring inside the anti-tipper will be damaged, which may result in the anti-tipper losing its functionality.

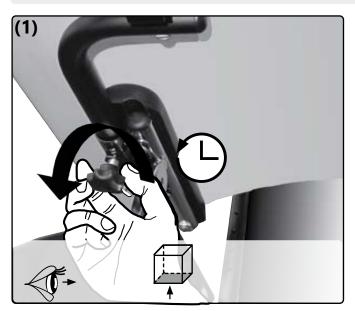
3.8 Handling therapy table

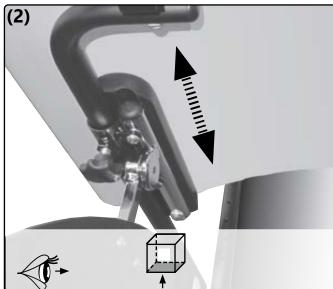


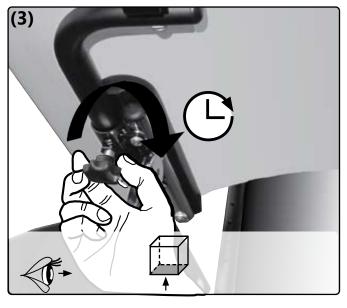
3.8.1 General information regarding therapy table

Connection to the seat shell via the armrests.

Set depth or remove (insert: proceed accordingly in reverse order):





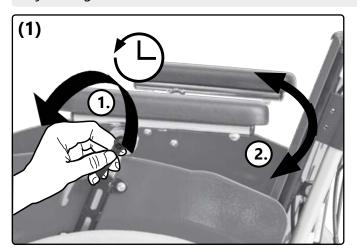


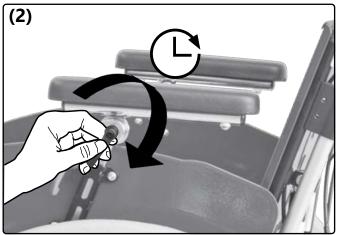
3.9 Handling arm pad



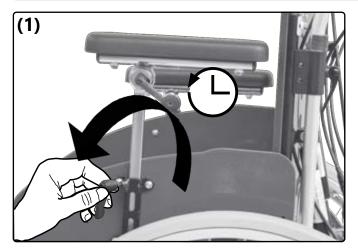
3.9.1 General information regarding arm pad

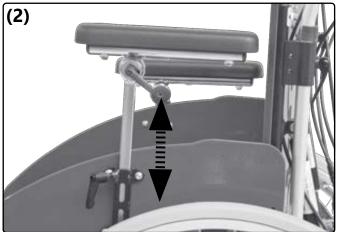
Adjust angle:

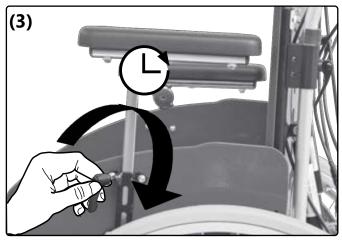




Infinitely variable height adjustment:



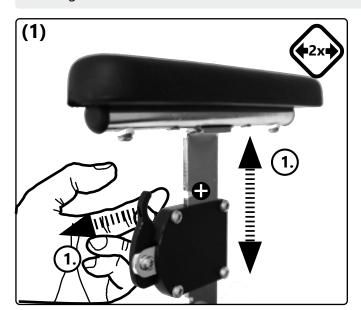




3.9 Handling arm pad



Set height with raster:

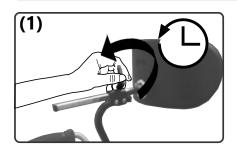


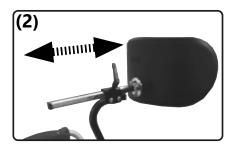
3.10 Handling headrest

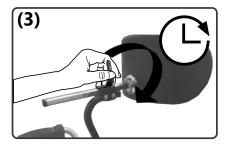


3.10.1 General information regarding headrest

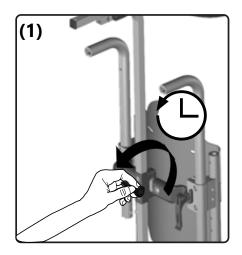
Set distance:

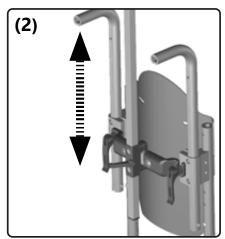


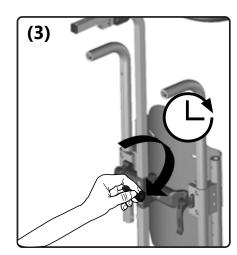




Set height:





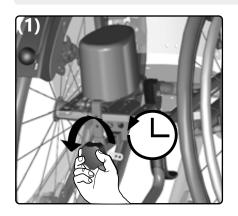


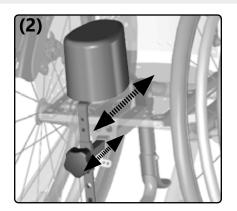
3.11 Handling abduction wedge

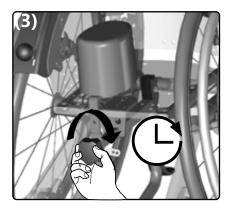


3.11.1 General information regarding abduction wedge

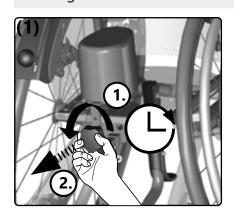
Set distance:

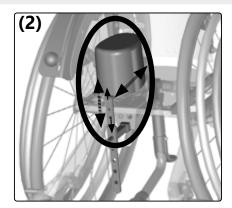


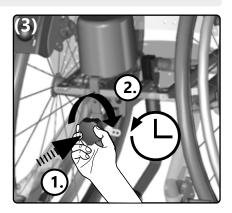




Set height:



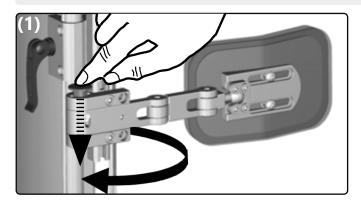


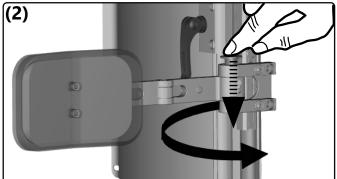


3.12 Lateral truss pad handling

3.12.1 General information regarding lateral truss pad

Open/close:





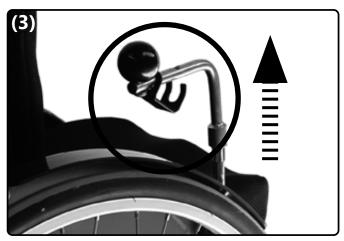
3.13 Handling one-hand steering aid

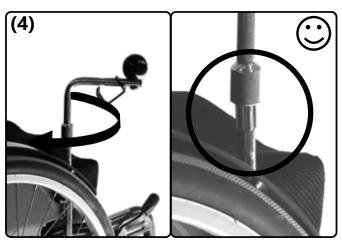


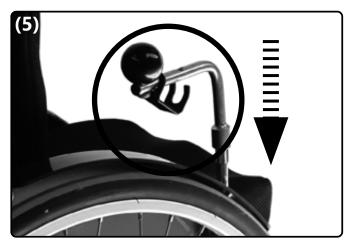
Set:



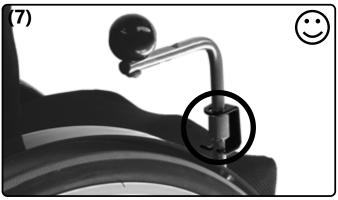












4 Repairs/maintenance/reinstatement



4.1 Repairs

Repairs must only be carried out by a specialist dealer.

4.2 Spare parts

Only original replacement parts may be used. These can be obtained from your specialist dealer.

The replacement parts list can be downloaded from www.sorgrollstuhltechnik.de or requested from us.

Please indicate the serial number of your wheelchair to ensure correct replacement part delivery. This can be found on the nameplate on the frame.

4.3 Maintenance

Regularly clean the wheelchair and all components using a mild, water-based household detergent and then dry thoroughly.

Also clean the driving and swivel casters and remove dirt and impurities (e.g. hair etc.) from the axles.

Washing textile parts:

Care instructions:











Wipe down imitation leather, belts and other upholstery: Care instructions:

















4.4 Disinfection

Cleaning must be carried out before each disinfection. Use a household water-based agent for disinfection. Please observe the application instructions of the respective manufacturer.

4.5 Storage

- Carry out cleaning
- Set (seating unit) tilt mechanism (if present) to 90°.
- Pack detachable textile parts in foil or the like, if necessary
- Secure the wheelchair against rolling away and contamination
- Storage in a dry place without aggressive environmental influences

4 Repairs/maintenance/reinstatement



4.6 Lifespan

The expected lifespan, depending on the intensity of use and the number of re-uses, is 5 years. For this purpose, the product must be used within the intended purpose and intended use, the instructions 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 theoretical lifespan is not a guaranteed lifespan and is subject to a case-by-case check by specialist retailers, as is reusability.

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

The lifespan can also be shortened depending on the frequency of use, the environment and care. The usual service life does not refer to wear 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 guarantee or guarantee.

4.7 Reinstatement

Before reuse, a full inspection according the the checklist must be carried out by a specialized retailer. All disinfection measures for reuse must be carried out according to a validated hygiene plan.

4.8 Disposal

The wheelchair my only be disposed of with the approval of the benefactor. Disposal of the wheelchair mus be in accordance with the applicable national regulations

4.9 Maintenance/Inspection

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

4 Repairs/maintenance/reinstatement



Checklist maintenance and care (user)

A.

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

Before each use:

Please check:

- frame, back tubes, mounting parts and accessories for visible damages, deflections, cracks or missing/loose screws,
- wheels/quick release axles for firm fit,
- the airpressure of the tires, tire tread,
- the function of the brakes,
- firm fit of the angle adjustements/eccentric clamps,
- firm fit of seat plate/back/foot plate,
- the function of the anti-tipper/seat and back straps,
- if all previously dismantled parts are put on again or firmly locked.

Every 3 months:

(depending on use, earlier)

Please check:

- screws for firm fitting
- welds, attachments and accessories for hidden damages, deflections or cracks
- tire tread
- the firm fit of third-party systems (if available)

Clean the wheelchair and oil all moving parts.

If you notice any defects during maintenance, please contact your specialist retailer immediately and do not use the wheelchair anymore.

Checklist yearly inspection (specialized retailer)

Template (available for download at www.sorgrollstuhltechnik.de/downloadportal)

Preparatory Work

□ cleaning done

(7	าเ	0	\sim	ŀ	•

☐ Frame, back, mounted parts and accessories checked for damage, bends, cracks and corrosion,

□ all fixing screws checked for firm fit and completeness,

□ casters and rear wheels as well as the associated attachments checked for good condition, functionality and proper running qualities,

□ spokes checked for firm fit and completeness,

□ brakes cleaned and maintained,

□ Locking mechanisms (tripod springs of push handles, quick-release axles, eccentric clamps, etc.) checked for functionality,

□ anti-tipper checked for firm fit and fuctionality.

Oilina.

□ moving parts and bearings oiled

Final check:

☐ functional check of all mechanical adjusting devices carried out.

5 Technical data



5.1 Data and measurements

Model: Tilty Vario Type: 602 Aid index no.: 18.99.02.1013

Measurements ± 5%

Designation	Dimensions		Remarks
Seat width (SW)	20 mm increments	280 to 110 mm	+40 mm growable
Seat depth (SD)	20 mm increments		+40 mm growable
Back height (BH)	50 mm increments		+50 mm growable
	80° to 120°	300 to 430 mm	mechanical
Back angle:			
Tilting	90° to 115°		Gas pressure spring
Camber	3° or 7°	200 470	WITHOUT 1:
Distance Floor to seat plate		min. 380 max. 470 mm	WITHOUT cushions
front - with horizontal seat	Caster 4"	min. 385 max. 475 mm	
and horizontal frame (seat	Caster 5"	min. 415 max. 490 mm	
height)	Caster 6"	: 300 400	NAVITUO III
	Driving wheel 24"		WITHOUT cushions
	Caster 4"	min. 390 max. 480 mm	
	Caster 5"	min. 415 max. 500 mm	
	Caster 6"		
Width wheelchair absolute	min.	SW + 270 mm,	dependent on camber
	max.	SW + 350 mm	
Length wheelchair absolute	at 22"	min. 675 mm	dependent on the wheel posi-
_		max. 785 mm	tion
	at 24"	min. 750 mm	
		max. 915 mm	
Height wheelchair absolute	min.	745 mm	without push handles!
	max.	1050 mm]
Incline	max. permissible		
Downward gradient	max. permissible		
Resistance to tilting	max. permissible	12.3% = 7°	
Load (max.)/ weight test	max. 90 kg	incl. user and seat she	ell
dummy			
Empty weight min. for SW	from 18.3 kg	equipped with: Fram	e, driving wheels, handrims,
28, SD 300 mm, 22" wheels,		caster wheels, wheel lock, footrest, side guard, clo	
5" polyurethane swivel casters		guard and anti-tipper	
Wheels:	Standard and	Optional smooth-rur	ning drum brake wheels
	profile wheels,	'	3
	smooth-running		
	wheels		
Caster wheels:	4", 5", 5,5", 6"	transparent with LED	, solid rubber black with alumini-
			e grey with plastic rims
Air pressure:	6-8 bar	Information on the t	vres
Tyres:	Conventional	Optional Schwalbe M	Marathon Plus, pneumatic tyres
	pneumatic tyres	with puncture proof in	
	(1" or 1 3/8") or	parietare proof ii	
	puncture proof		
	tyres		
Carrying points:	Frame cross		
Carrying points.	beam		
Heaviest single part:	Driving wheels		
i reaviest siligle part.	1.2-2.2 kg		
Usage life	3 years	in case of non-exces	scive strain
Service life	5 years	IIII Case OI HOH-EXCES	SIVE SUBIII
Normative requirements	The wheelchair	complies with the re	quirements of ISO 7176-8 and
indinative requirements	the requirement	to against ignition	quirements of 130 / 170-6 and
	ine requirement	ts against ignition.	

5 Technical data

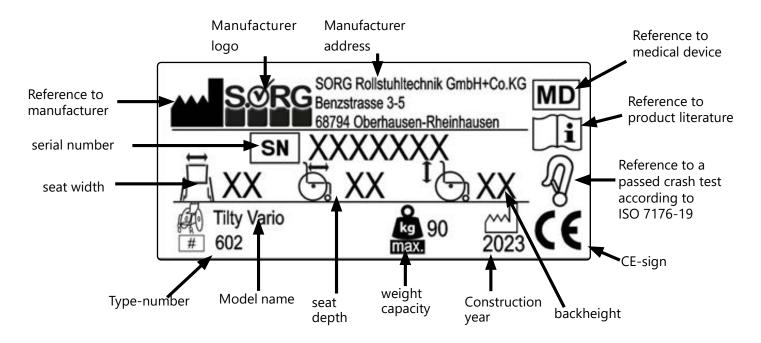


5.2 Meaning of labels

The meaning of the individual labels can be directly derived from the text at the corresponding position.

A new nameplate can be obtained from SORG Rollstuhltechnik if the original one is lost or damaged.

Type plate:



5.3 Declaration of conformity

SORG Rollstuhltechnik declares that the product Tilty Vario a class 1 device is and it complies with the EU regulation (EU) 2017/745 on medical devices.

This was confirmed by a conformity assessment procedure according to the medical Product Guidelines.



If the product is not modified with SORG wheelchair technology, this declaration will lose its validity.

6 Verification of yearly inspection



Documentation yearly inspection

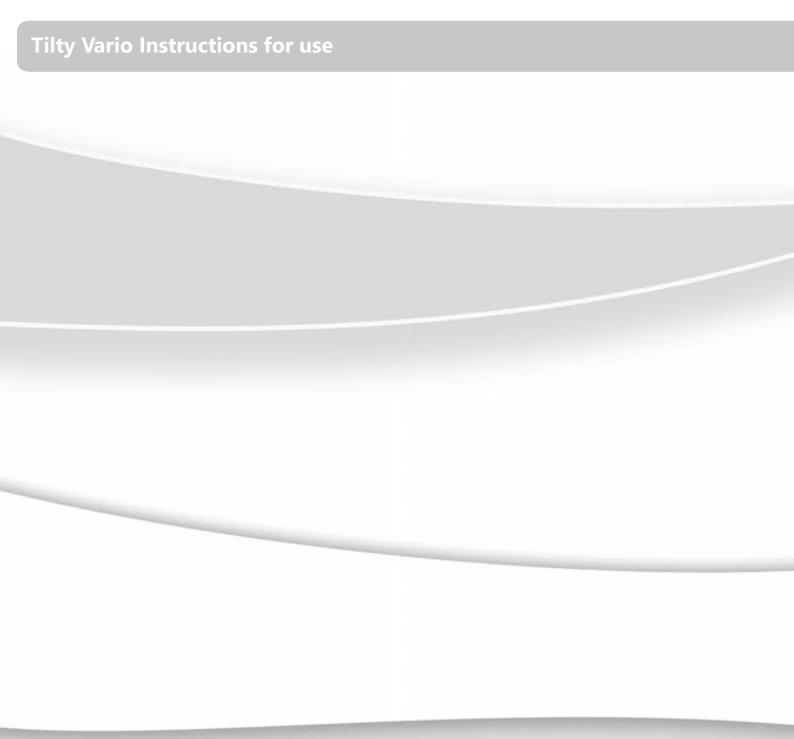
	cons and to preserve the product warranty.	alist dealer at least office a year for safety
Seria	al number:	
0	yearly inspection conducted according to check list (operating year 1) Remarks:	Stamp:
		Date/ Retailer's signature
0	yearly inspection conducted according to check list (operating year 2) Remarks:	Stamp:
		Date/ Retailer's signature
0	yearly inspection conducted according to check list (operating year 3) Remarks:	Stamp:
0	yearly inspection conducted according to check list (operating year 4) Remarks:	Stamp:
		Date/ Retailer's signature
0	yearly inspection conducted according to check list (operating year 5) Remarks:	Stamp:
		Date/ Retailer's signature



Notes:



Notes:







SORG Rollstuhltechnik GmbH + Co. KG Benzstrasse 3-5 68794 Oberhausen-Rheinhausen / Germany Germany Phone +49 7254 9279-0 Fax +49 7254 9279-10

info@sorgrollstuhltechnik.de www.sorgrollstuhltechnik.de

