

Dynamis MV



Service record

! All individual adjustments to the
Wheelchair described. Tools and specialist knowledge are required for
these settings. Please leave these adjustments to a qualified rehabili-
tation specialist. !

Impressum

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

Fon +49 7254-9279-0
Fax +49 7254-9279-10
Mail info@sorgrollstuhltechnik.de
Web www.sorgrollstuhltechnik.de

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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 note

For editorial reasons for better readability, only the masculine form is used. Corresponding terms apply in the sense of equal treatment to all genders and do not represent any valuation.

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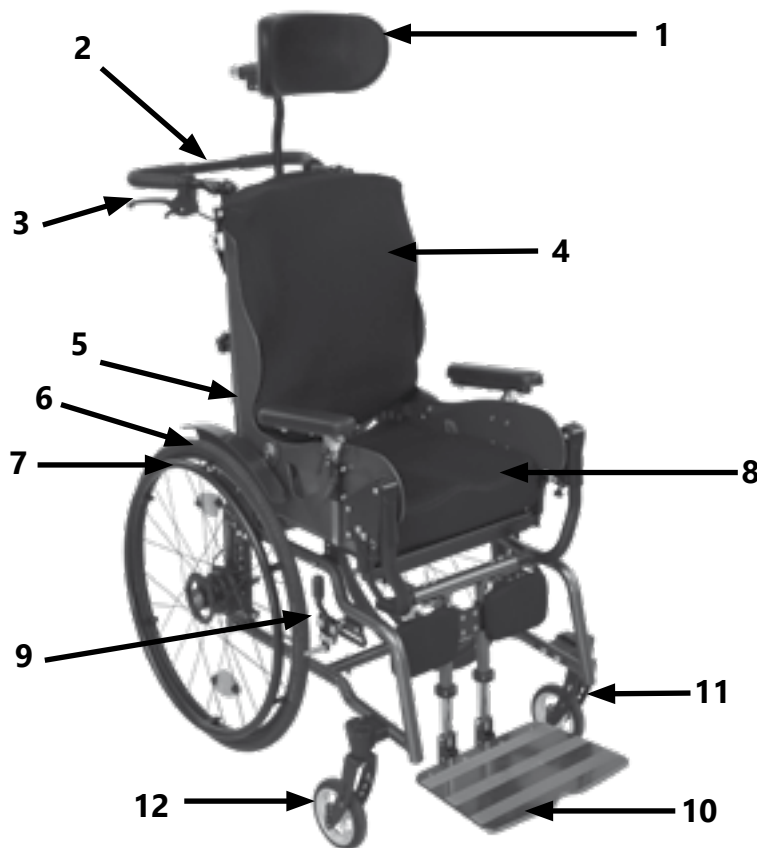


You can find our general terms and conditions on our order sheets and at www.sorgrollstuhltechnik.de/impressum.

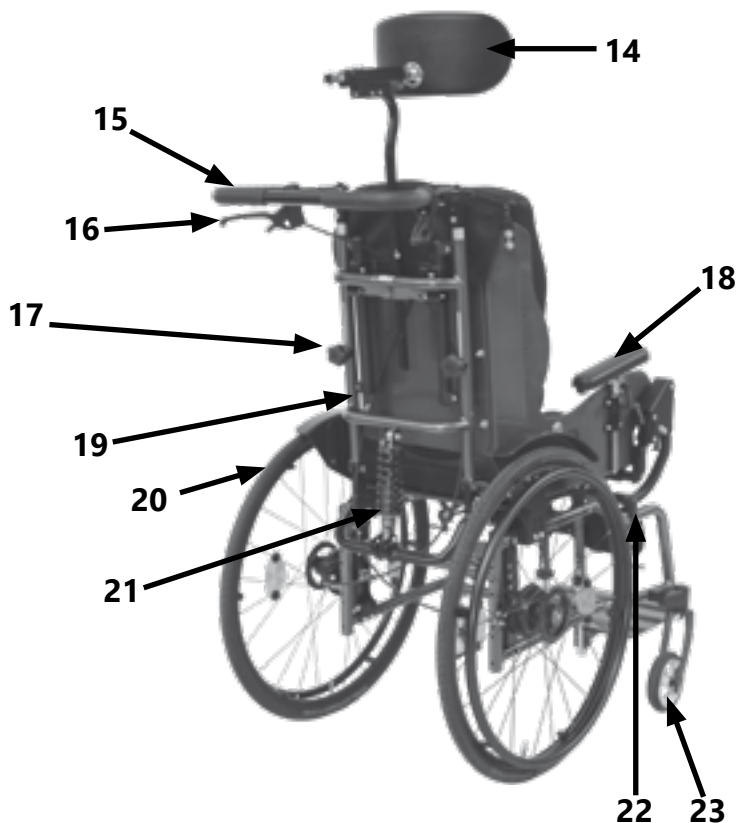
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1 The wheelchair at a glance



- 1 headrest
- 2 push bow
- 3 drum brake control lever
- 4 anatomical back cushion
- 5 Ergo-seat
- 6 drive wheel
- 7 handrim
- 8 anatomical seat cushion
- 9 knee lever brake
- 10 footplate
- 11 caster fork
- 12 caster wheel



- 14 headrest
- 15 push bow
- 16 control lever for drum brake
- 17 star grip for height adjustment of the push handle
- 18 armrest
- 19 back guide
- 20 drive wheel
- 21 shock absorbers
- 22 Brake lever of the knee lever brake
- 23 caster wheel

2.1 General information on the service booklet

All individual settings, adjustments, repairs and the annual inspection of the wheelchair are described below. This requires tools and special expertise. Please leave these adjustments to a qualified specialist retailer.

Adjustments that can be made by the attendant are described in the instructions for use.

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

2.2 Documentation notes

Please note:

- You can find advance booking information on our website at www.sorgrollstuhltechnik.de
- Information for the user can be found in the instructions for use
- Maintenance information can be found under: Chapter 4 (Repair / Maintenance / Re-use)

2.3 Required torques and tools

Torque required for the following screws:

- M5: 5 Nm;
- M6: 7 Nm;
- M6 (perforated plate) 10 Nm
- M8: 20 Nm;
- M10 (nut): 25 Nm; (caster wheel)
- Thru axle fitting 40 Nm

Needed tools:

- Torque wrench (5-50 Nm)
- Open-ended wrench
- Reversible ratchet with socket wrench inserts
- Hexagon screwdriver
- Phillips screwdriver
- Slotted screwdriver
- Plastic hammer
- Side cutter
- Thread locking liquid
- Bicycle tube repair kit
- Workbench / vice with plastic jaws
- Special open-end wrench for adjusting the shock absorber

2.4 Explanation of symbols



ATTENTION! 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 / re-move



Push in a certain direction



Set or adjust the angle



Open / close



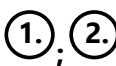
Turn clockwise



Turn counterclockwise



Steps to be performed at the same time



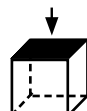
Steps to be performed in sequence



Steps to be performed on both sides



perspective



View from above



Side view



View from below



Front view



Rear view



Attach part



Remove part

2.5 General safety information



Check before every ride:

- Frame, back unit, 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-tips / seat and back straps,
- whether all previously dismantled parts are reinserted and firmly locked.



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.



All wheelchair parts are to be handled properly. Do not throw or drop removable parts!



Before starting the test, repair or adjustment work, clean / disinfect the wheelchair and secure it against tipping over and / or falling.



Use only original spare parts.



Safety nuts may only be used once. Safety nuts that have been loosened must be replaced with new ones.



Only regular maintenance of all safety-relevant parts on the wheelchair by a qualified rehab workshop protects against damage and maintains our manufacturer's warranty.

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 reconditioning 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 the responsibility of the provider of the additional system or the authorized specialist retailer. 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 that can damage 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 Assembly group wheels

3.1.1 Center of gravity (wheelbase / perforated plate)

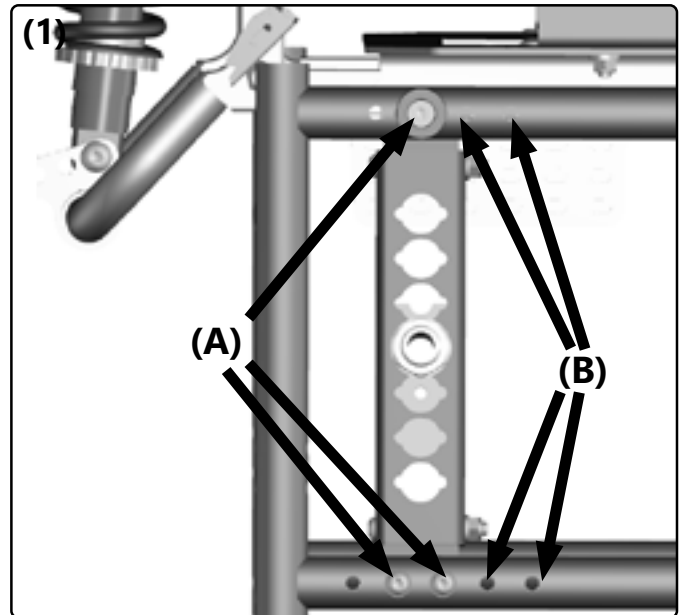
- (1) To adjust the center of gravity
- remove both drive wheels,
 - remove all screws **(1A)** and nuts
 - move the perforated plate into the alternative holes **(1B)**.
 - Moving must be done in parallel on both sides.
 - Reinstall screws and nuts and tighten tightly.

The parking brakes must be readjusted after every change to the drive wheels.

Go carefully to the maximum and the user (!) Desired point of tilt.

The further back you move the caster wheels, the greater the risk of the wheelchair tipping forward when getting in and out.
The further you mount the drive wheels with the perforated plate to the front, the greater the risk of the wheelchair tipping backwards.

When tilting the seat, please make sure that the gripping point and gripping path are not impaired by setting the drive wheels too high.
The drive wheel mount can be adjusted horizontally by up to 60 mm from the most passive position (0 mm).



3.1.2 Adjustment of the seat height by changing the position of the caster wheel

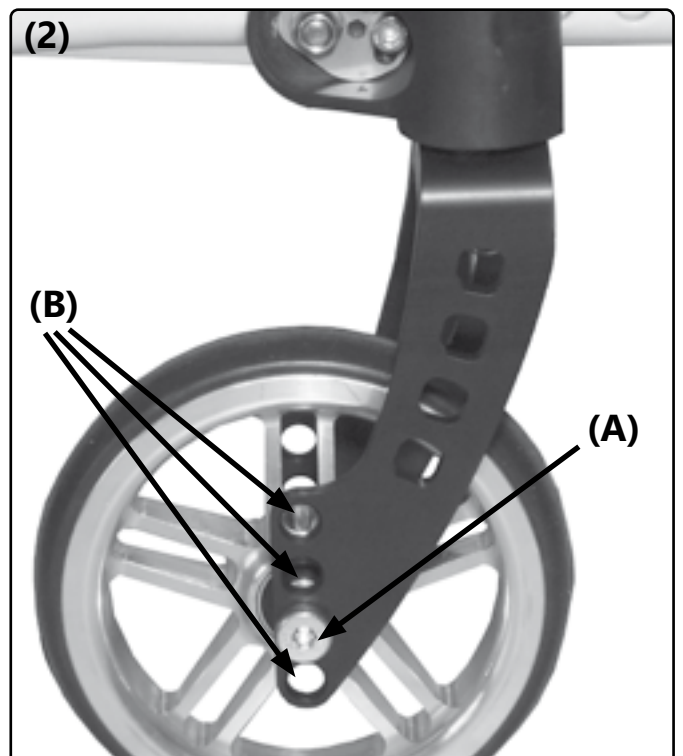
(2) The front seat height is adjusted via the position of the caster wheel in the caster fork.

- Completely remove the caster wheel / caster fork screw connection **(2A)**,
- Fasten the caster wheels in the desired hole **(2B)** on both sides,
- tighten all screws again.

After every change you have to check the vertical tilt of the caster head and correct it if necessary (see chapter caster head tilt).

Hair, lint, dirt, etc. collect on the bearings of the caster wheels, making the caster wheels stiff. Remove the caster wheels at short intervals and thoroughly clean the forks, axles and sleeves.

Please proceed in the same way with plastic forks.



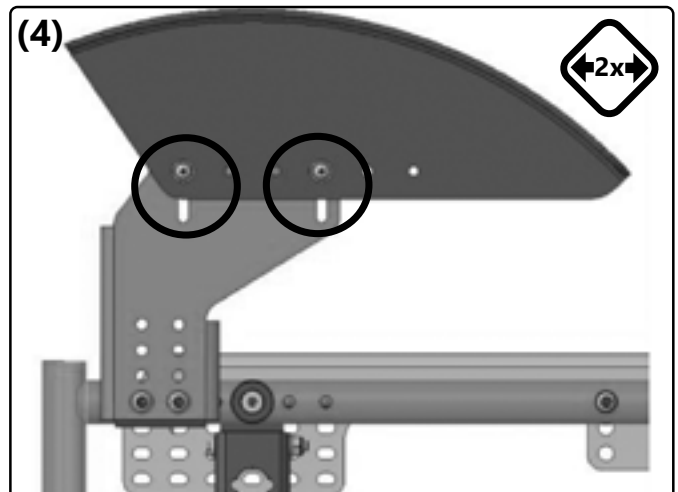
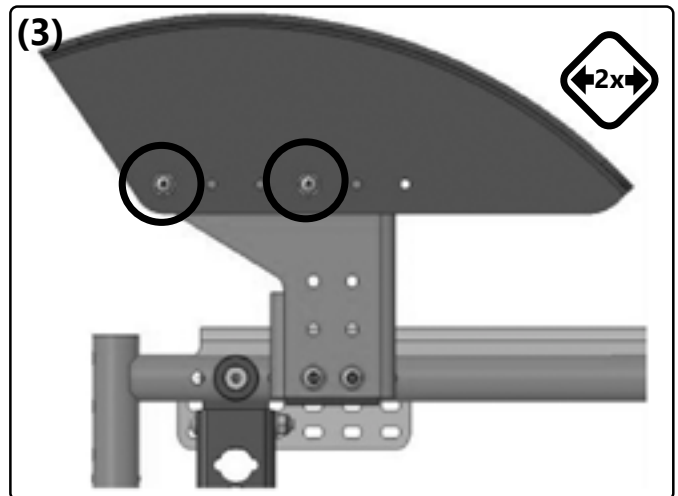
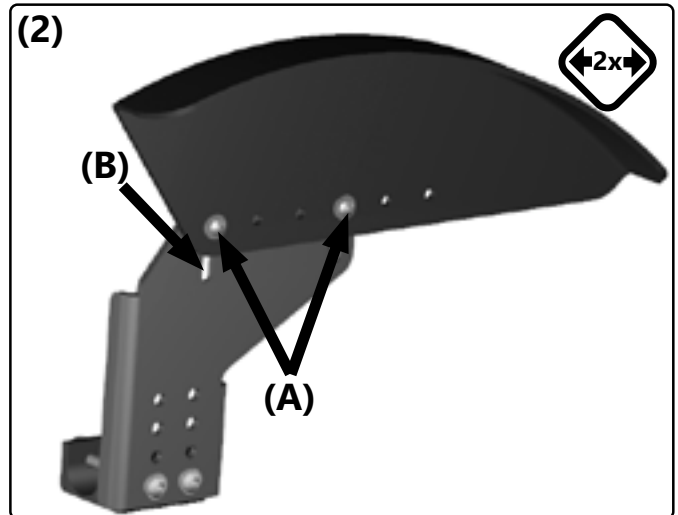
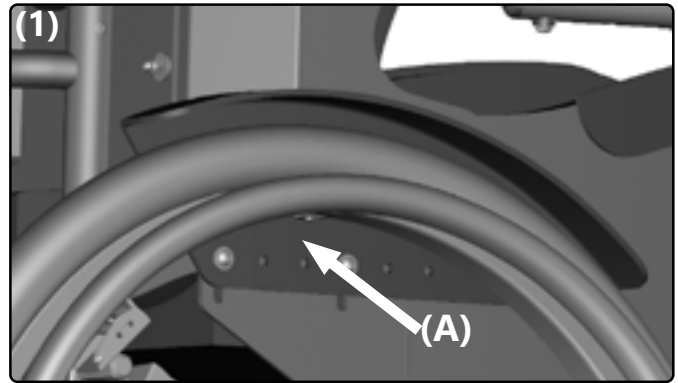
3.1 Assembly group wheels

3.1.3 Assembly group wheels

The wheel guard **(1A)** can be adjusted in height. For this:

- loosen the M4 screws **(2A)** and the weld nut **(2B)**,
- move the wheel guard in height and
- Refit the screws **(2A)** and weld nuts at the desired height in the hole **(2B)**.

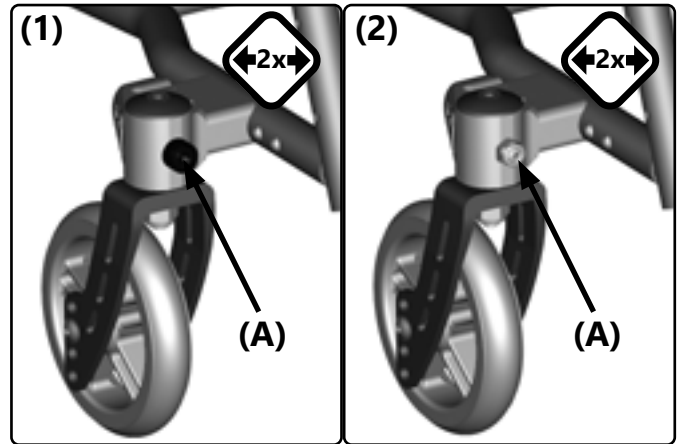
Depending on the activity, we recommend mounting with passive perforated plate position 1,2 and 3 **(3)** or the assembly with active position 4 **(4)**.




3.1.4 Activation of track fixation

With the help of the track fixation, straight-ahead driving can be supported. The pressure spring keeps the steering axle in a straight line. When you countersteer, this support is released again. To set this particular support, proceed as follows:

- Loosen the protective cap **(1A)**,
- Use an M8 Allen key to tighten the spring-loaded pressure piece **(2A)** on both sides until you can feel the ball compressing the wheel in a straight-ahead direction.

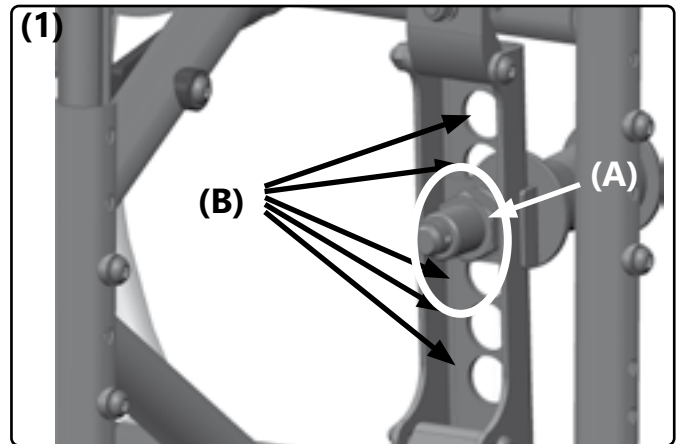


 Do not turn the pressure spring piece onto the steering axle with the threaded end of the pressure ball. Otherwise the function will be lost.

3.1.3 Rear seat height, seat inclination

As a rule, the seat height at the back is selected approx. 2-3 cm lower than the seat height at the front in order to achieve a safe and comfortable sitting position with good distribution of the seat pressure and to avoid "slipping forward". However, other settings can also be useful in individual cases.

- **(1)** Remove the drive wheels and remove the quick release axle fitting **(A)** with all washers,
- move the quick-release axle fitting including all washers into the alternative holes **(B)**
- and tighten all screws again. (Tightening torque of nuts M18 fitting 40 Nm).
- Mount the side parts and put the drive wheels back into the quick-release axle.



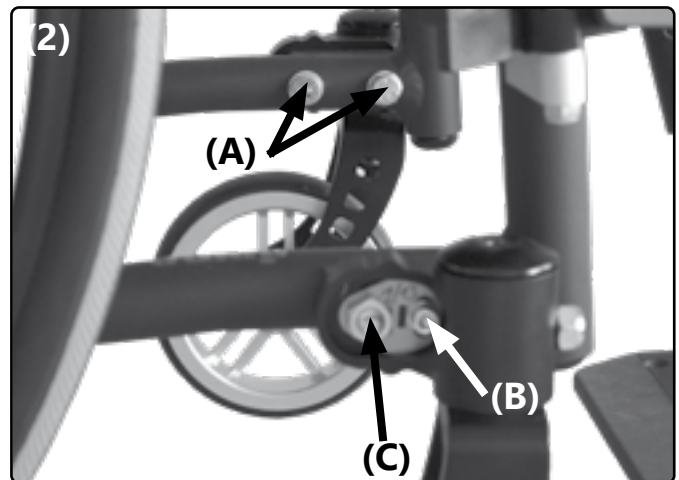
The fittings must protrude equally far out of the perforated plate on both sides. The fittings may only be unscrewed so far that the lateral distance between the tires at the top and the side panel is as small as possible, but at least 10 mm.


3.1.4 Caster head tilt

The caster head inclination must be readjusted after every change to the drive wheel.

For adjusting the caster wheel adapter:

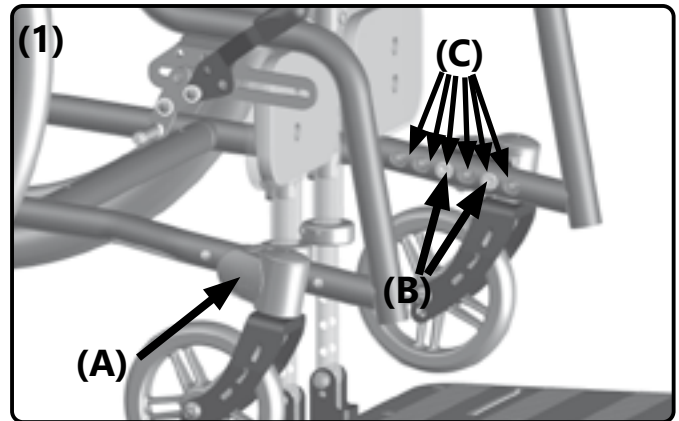
- **(3)** Loosen all screws **(A)** **(B)** on both sides.
- Bring the adapters into an exactly vertical position by turning the adjusting washer **(C)** (using a flat-blade screwdriver) (create an angle).
- Tighten all screws again; Screws **(A)** with 9 Nm, screw **(B)** with 7 Nm



 An incorrectly set caster head inclination can lead to caster wheel flutter and when cornering (due to the wheel caster) to cumbersome "uphill and downhill driving".

3.1.5 Replacement / relocation of the steering wheel adapters and caster wheels

- **(1)** Remove the caps on both sides **(1A)**,
- remove all screws on both sides **(1B)**
- and remove the spacers if necessary.
- Replace the caster wheel adapters with new ones and / or move them to the alternative holes **(1C)**.
- Reinsert all screws (including the spacers, if applicable) and tighten them tightly.



3.1.6 Camber

You influence through the camber:

- the lateral tipping stability
- the shoulder drive wheel position and
- the track width of the wheelchair.

(2) To avoid the so-called "eraser effect", we install the appropriate track compensation **(2A)** at the factory. If the camber is changed at a later date, the toe compensation adapter **(2A)** must be replaced with a suitable one (spare part).

With a wheel camber of 8 °, a spacer block is required to extend the wheelbase (spare part).

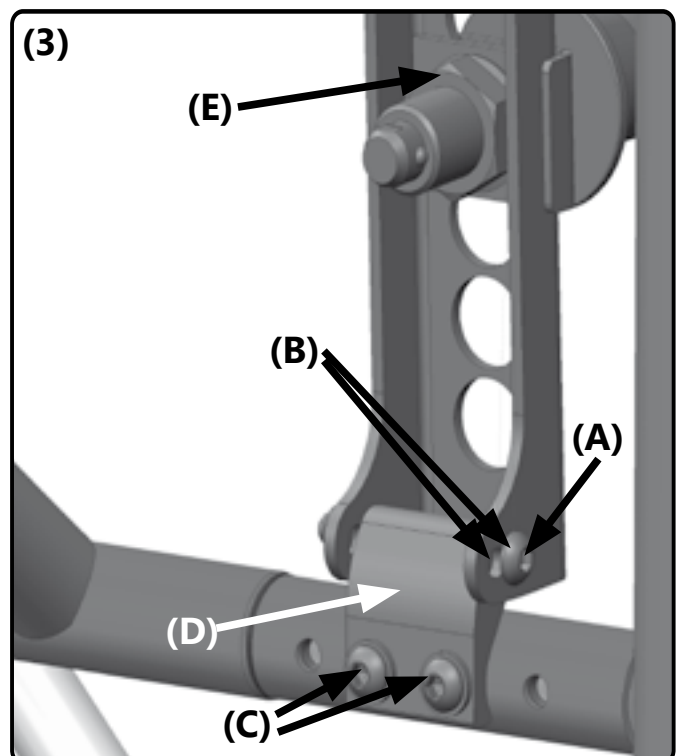
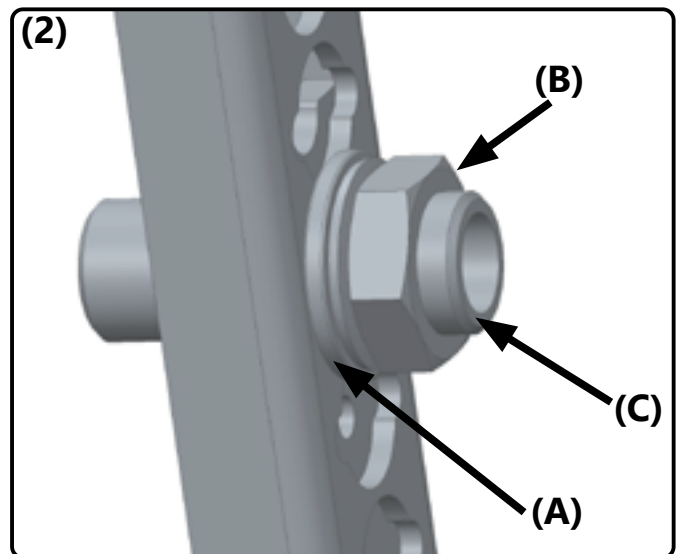
Adjust the camber:

- **(3)** Remove drive wheels,
- Remove the screw connection **(3A)** and move it into the alternative holes **(3B)**,
- tighten the screw connection again.

For a camber of 8 °:

- **(3+1 next page)** remove the screw connection **(3A)**,
- remove the screw connection **(3C)**,
- move the perforated plate holder **(3D)** by turning it 180 ° on the outside of the frame tubes,
- insert the screw connection **(3C)** again and tighten the screws **(3C)** tightly,
- reinsert the perforated plate with the screw connection **(3A)** and tighten the screws **(3A)**.

The setting may not be possible if you want to widen the seat, otherwise you will have to unscrew the quick-release axle fittings too far out of the perforated plate.



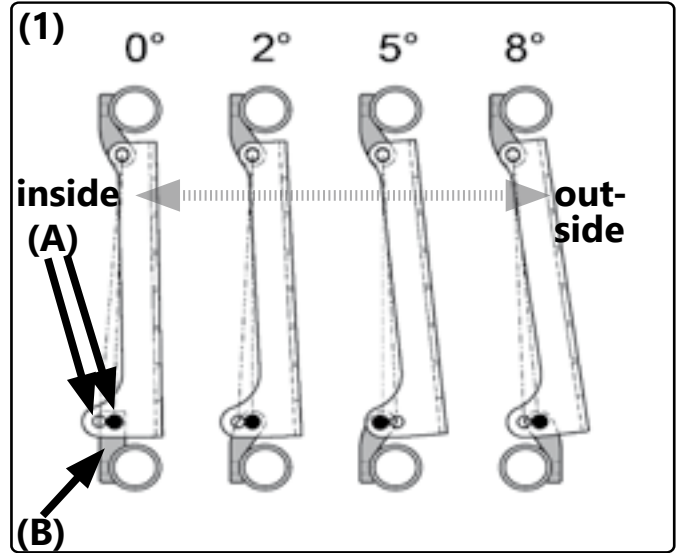
3.1 Assembly group wheels

Check / correct the distance between the drive wheel and the side panel or the clothes guard by attaching the drive wheel.

The tires on the bike must be at least 10 mm away from the side panel or the clothing guard. Pay attention to the same distance left and right!

(1) For turning the quick-release axle fitting in or out:

- Loosen the screw connection of the fitting **(1A)** (also the lock nut on the inside),
- turn the complete fitting **(1B)** into the required position and
- Tighten all screw connections again (tightening torque of nuts M18 fitting 40 Nm).



Be sure to check the functionality of the knee lever brake and readjust it if necessary.

3.1.7 Track compensation drive wheels

The wheelchair is delivered with the appropriate toe-in, depending on the camber setting and any installation of the SORG outdoor front end. When changing the camber or retrofitting the outdoor front end, it may be necessary to change the toe-in.

To change the toe-in:

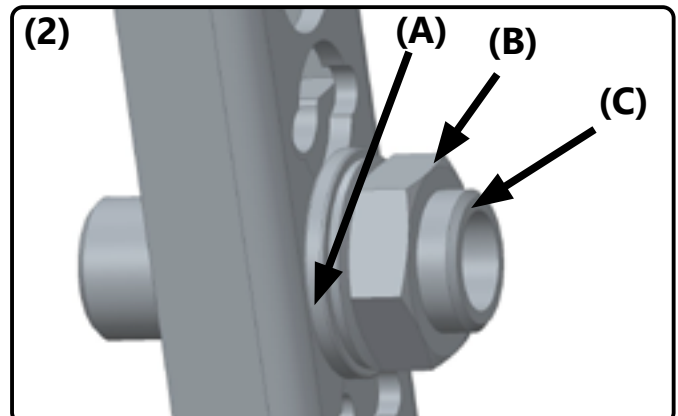
- Remove drive wheels,
- and remove screw connection **(2B+C)**.

Depending on the attachment variant and the camber, please follow the instructions on the following pages.

After changing the toe-in settings:

- reinsert the screw connection **(2B + C)** and tighten the screws **(2B)** tightly.

Check / correct the distance between the drive wheel and the side panel or the clothes guard by attaching the drive wheel.

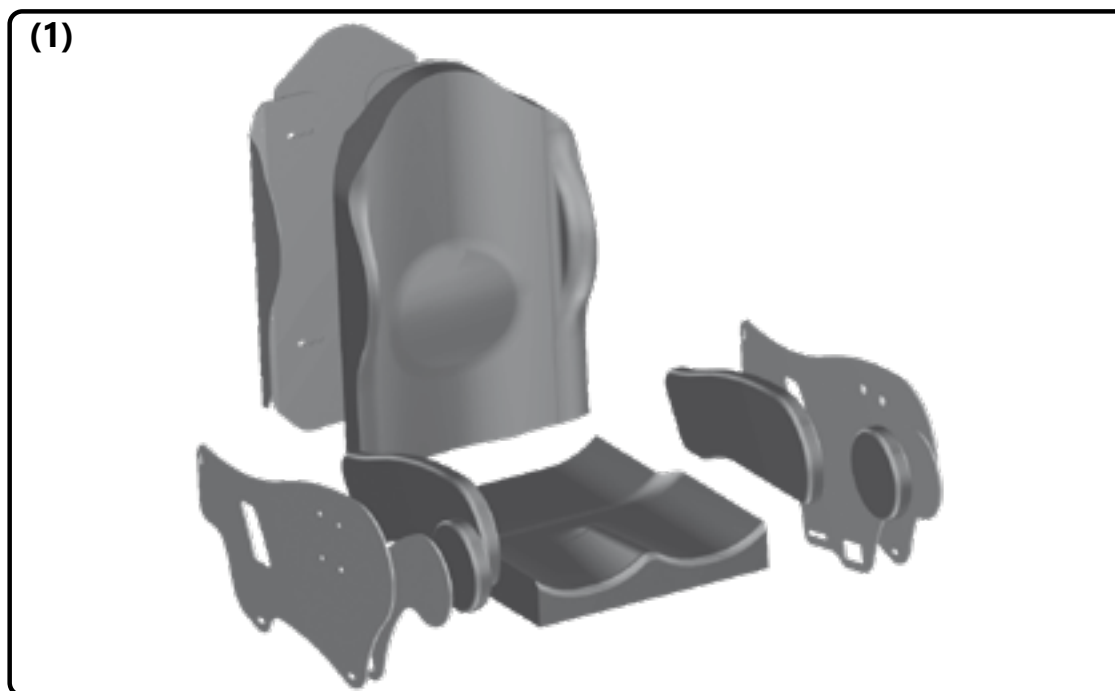


Be sure to check the functionality of the knee lever brake and readjust it if necessary.

3.2 Assembly group ERGO seat

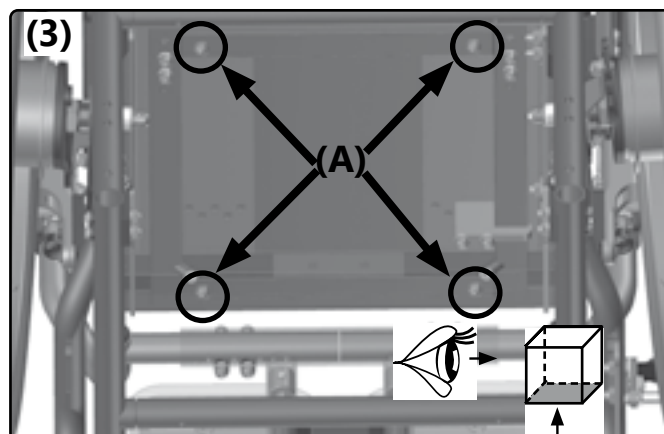
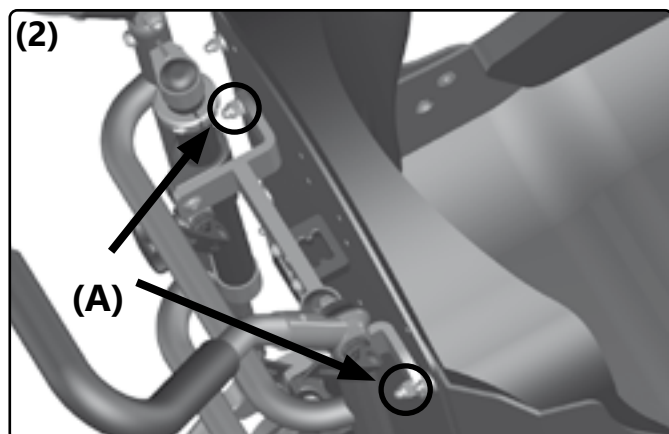
3.2.1 General information about the ERGO seat

The ERGO seat offers installation and attachment options for anatomical seat and back cushion, lateral support, lateral pads, armrests, headrests and belt holders.



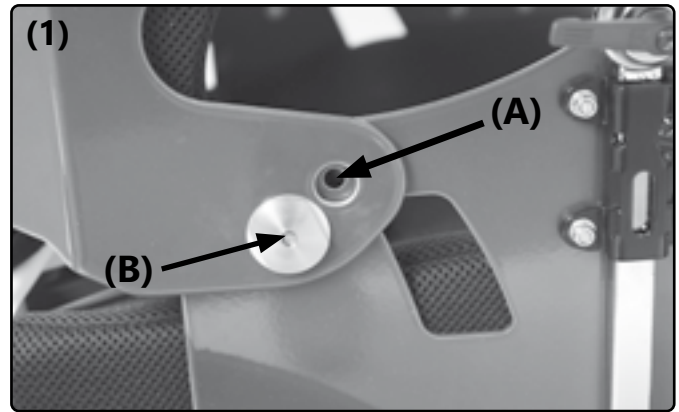
3.2.2 Removing of the ERGO-seat

To remove the ERGO seat, the screw connection of the back guide must be removed **(2A)**. In the next step, the screw connection on the seat frame must be removed **(3A)**.



3.2.3 Axis of rotation seat unit/ back unit

The axis of rotation should be aligned as close as possible to the patient's hip joint. We recommend using the upper hole **(A)** for a body height of up to 150 cm and the lower hole **(B)** for larger body sizes.



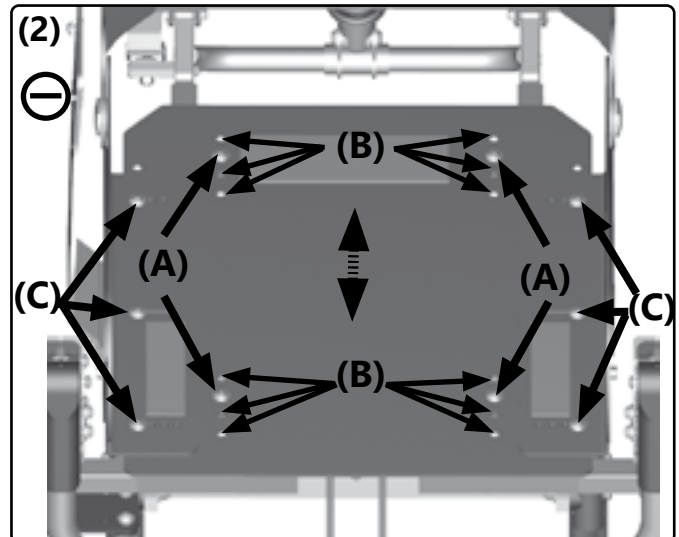
If the screw connection is removed in order to determine a new position, the screw connection must be secured with medium-strength screw locking.

3.2.4 Growth in seat depth ERGO seat

The seat depth of the ERGO seat can be adjusted by + 2cm.

To do this, the following steps should be observed:

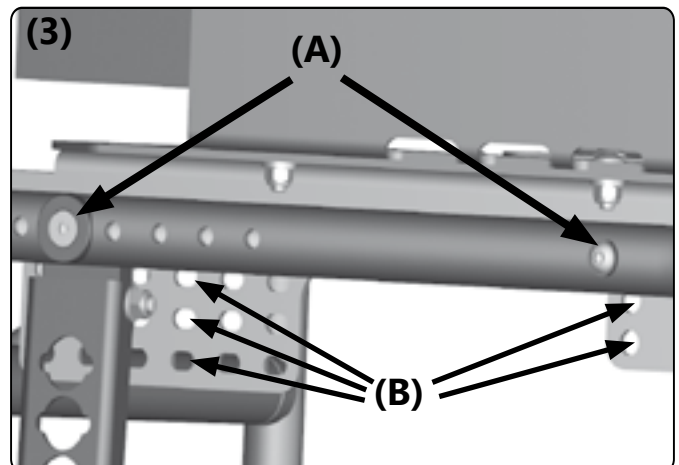
- Remove the seat plate screws. **(2A)**
- Bring the seat plate into the desired position and insert the screws in the respective holes. **(2B)**
- **Remove the screws from the seat center section / side section and screw them back into the center hole. (2C)**
- Check all screws to ensure that they are firmly tightened again.



3.2.5 Seat height adjustment

In preparation, please remove the drive wheels. Remove the screw connection on both sides **(3 A)** of the seat support brackets **(3B)** and pull the sleeves in the front screw connections outwards so that the seat support brackets can be moved freely.

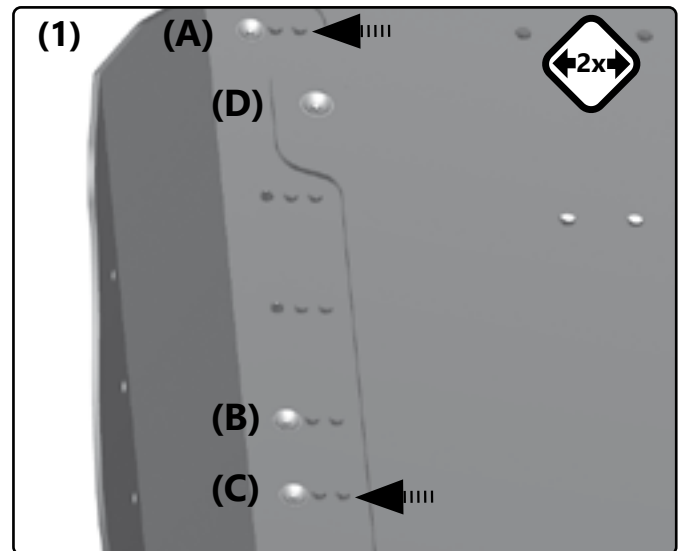
Put the seat support bracket in position, push the sleeves back into the selected holes **(3B)** of the seat support bracket and tighten the screws on both sides.



3.2.6 Increase seat width ERGO seat and back unit

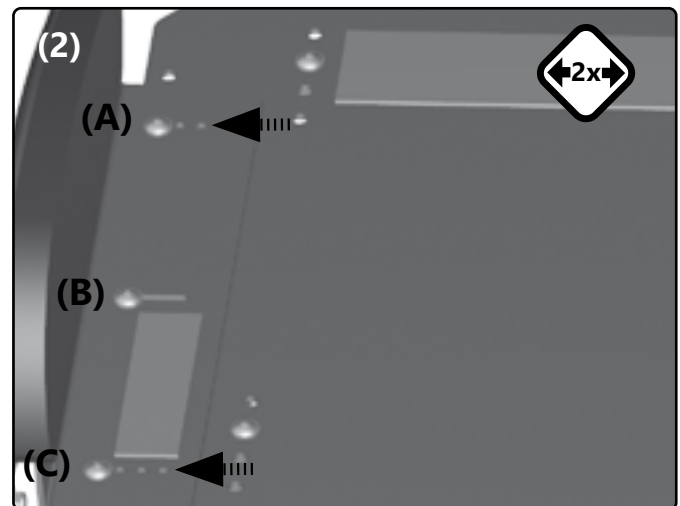
ERGO-back

Loosen the screw connection of the back angle part **(1A, 1B, 1C)** and back middle part **(1D)**. Move the back angle parts so that the desired width is achieved. Now the previously removed screws are screwed back in order to reconnect the central back and the back angle part. Please repeat the same steps with the other back angle section.

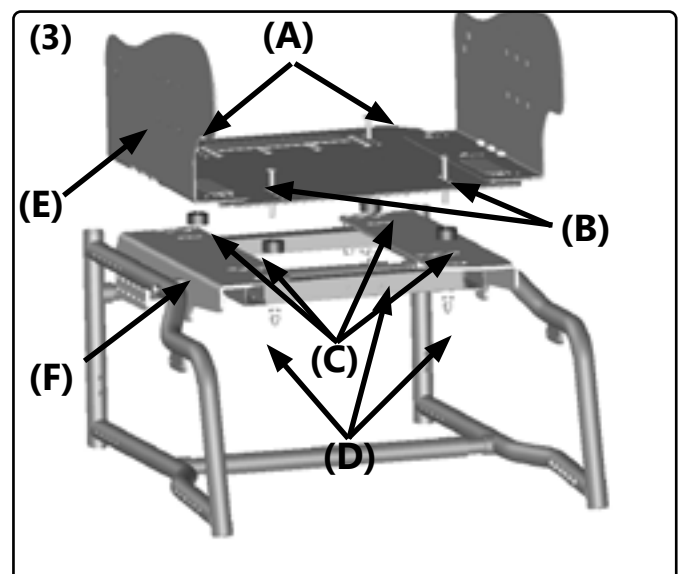


ERGO-side guard

Loosen the screw connection of the seat guard **(2A, 2B, 2C)** and seat center section. Move the seat side guard so that the desired seat width is achieved. Now the previously removed screws are screwed in again in order to reconnect the seat side guard with the seat middle part. Please repeat the same step with the other side guard.



In order to widen the Dynamis MV, the seat must also be increased by approx. 1 cm. To do this, the distances for the booster seat **(3C)** are positioned between the seat shell **(3E)** and the frame or the seat support bracket **(3F)**. All components are then fastened with the safety nuts M6 **(3D)** and the lens flange screws M6x50 **(3A)** and M6x55 **(3B)**. The assembly set for raising the seat is included with the aid upon delivery.



3.3.1 Frame widening

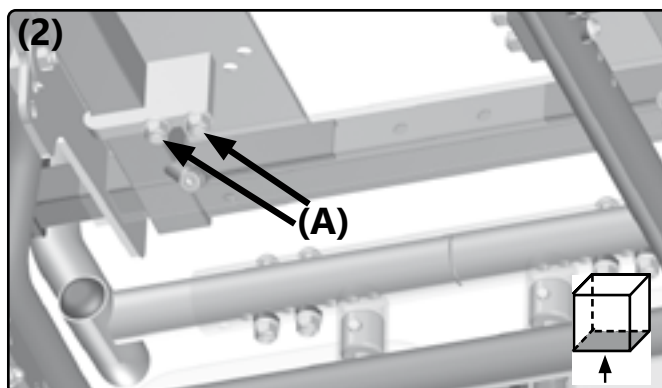
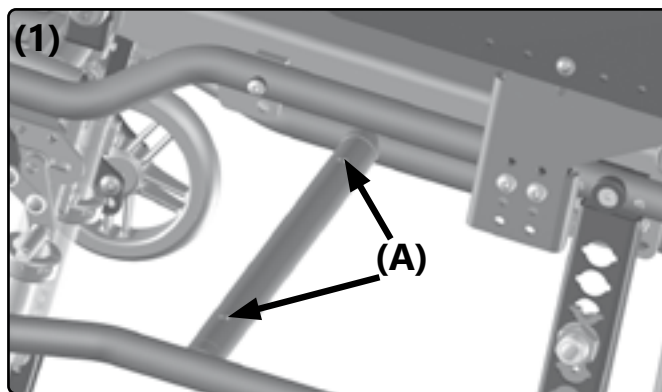
To widen the frame, first remove the Ergo seat. (see chapter Ergo seat assembly 3.2.2.).

To widen the frame:

- Remove both drive wheels.
- Remove the screw connections of the crossbars **(1A)** on one side.
- On the same side, remove the hook under the seat support bracket **(2A)**.
- Now pull the frame apart (half the desired widening)
- and reinsert the screws loosely.
- Mount the hook under the seat support bracket in the new position.
- You can find out analogously with all screw connections on the opposite side.
- Then tighten the screws again.



The traverses must be offset at the same distance on both sides.

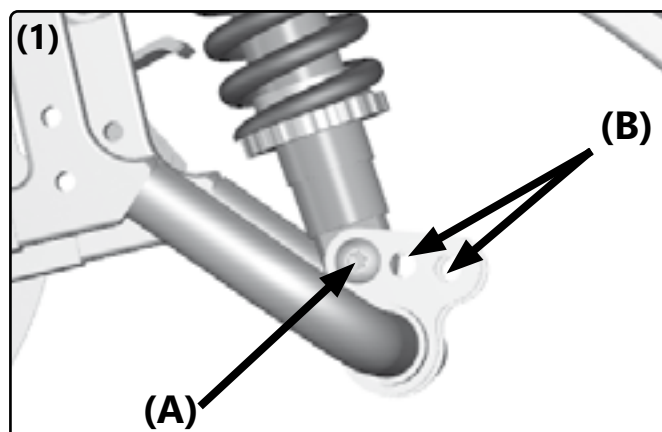


3.4.1 Back angle adjustment

The basic setting of the back angle can be changed via the row of drillings in the suspension of the spring damping.

The setting can be changed to 90°, 95° and 100° from the inside to the outside.

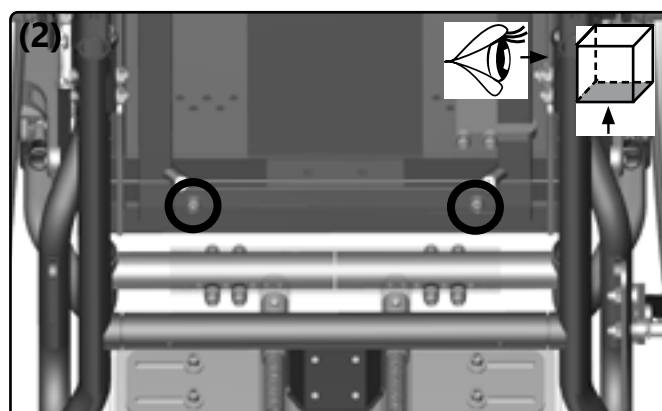
To do this, the screw **(A)** - in this picture in the 90° setting - is loosened and fastened again in an outer hole **(B)** with the spring damping. Please tighten the screw firmly.



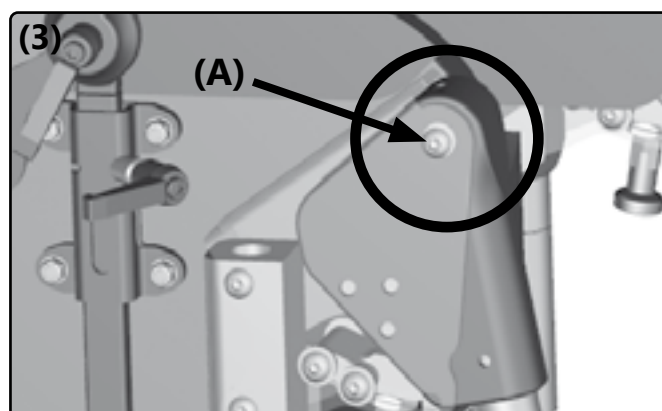
3.5 Assembly group leg support


3.5.1 Adjustment of the legrest

The legrest, which can be swiveled upwards, is mounted under the seat frame with the aid of a traverse and clamping screws.



1. When adjusting the legrest, make sure that the axis of rotation of the legrest **(3A)** is as close as possible to the anatomical axis of rotation of the user's knee

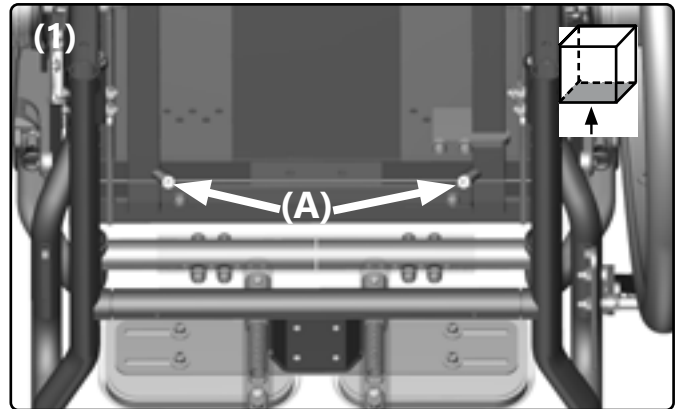


 After every change to the legrest, check whether the caster wheels can still turn freely through 360 ° when they are tilted to the front. You may have to make corrections either by adjusting the caster wheels or by adjusting the leg rests.

3.5.2 Adjustment of the depth

The depth of the legrest can be continuously adjusted up to 8 cm. To do this, please follow the steps below:

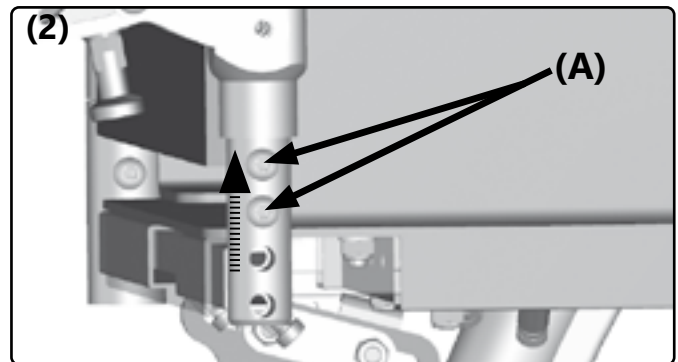
1. Loosen the clamping screws **(1A)** on the seat frame, then
2. Adjust the depth as desired.
3. Tighten the screws again and check.




3.5.3 Adjusting the height

The height of the legrest can be adjusted by 1.5 or 3 cm. To do this, please follow the steps below:

1. Remove the screws **(2A)** on the journal part,
2. Adjust the height as desired by lifting and
3. Insert the screws again, tighten them and then check them.

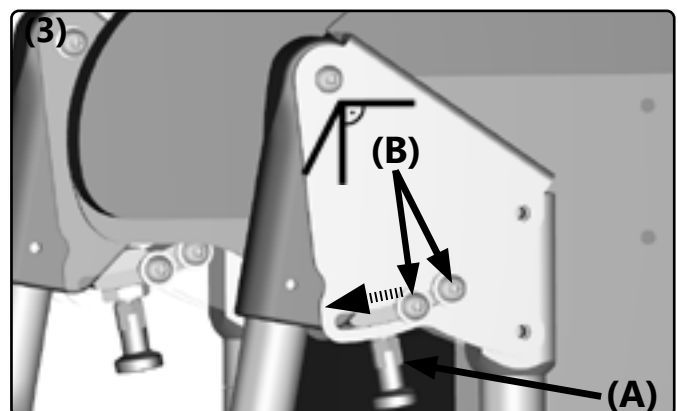


 Height adjustment not possible in combination with an abduction wedge.

3.5.4 Preset opening angle

The opening angle of the legrest can be adjusted continuously between 90 ° and 117 ° via a presetting as follows:

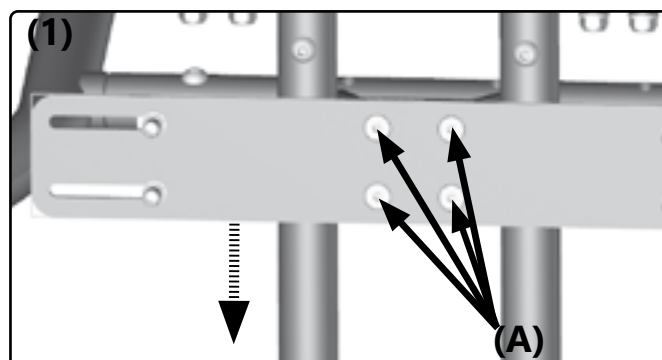
1. Engage the pull latch with a 90 ° turn **(3A)**
2. Loosen the screws **(3B)** on the grid plate on both sides, inside and outside.
3. Adjust the legrest to the desired position.
4. Tighten the screws again firmly.



3.5.5 Height adjustment of the calf support

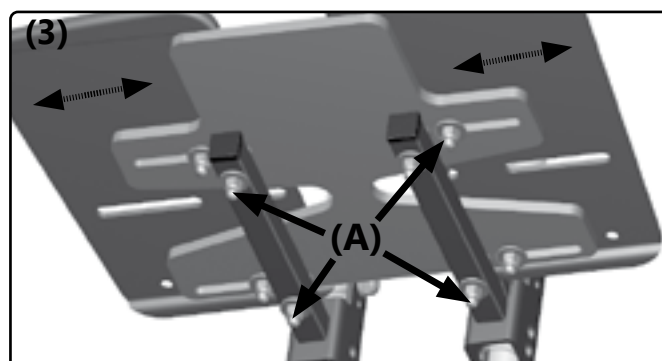
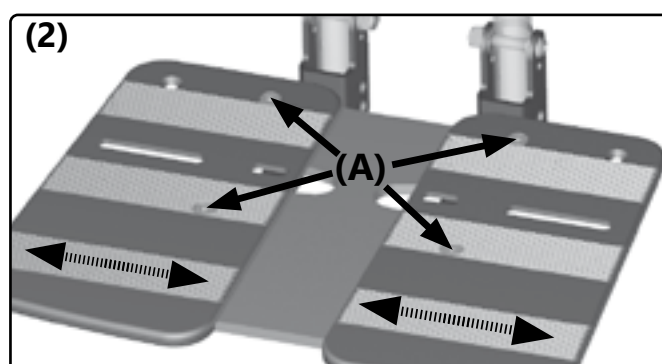
To change the height of the calf support, please follow the steps below:

1. Loosen the screws. **(1A)**
2. Now move the calf clamping plate and attach the removed elements in reverse order.
3. Make sure that all screws are properly tightened.



3.5.6 Width-adjustable footplate

To adjust the footplate, loosen the countersunk screws **(2A)** and the lock nuts **(3A)**. Now bring the footplate into the desired position by pulling or pushing it and tighten the countersunk screws and lock the nuts again.



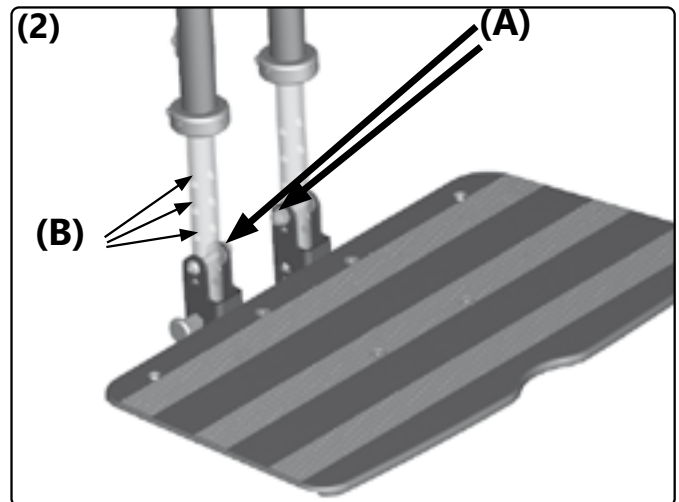
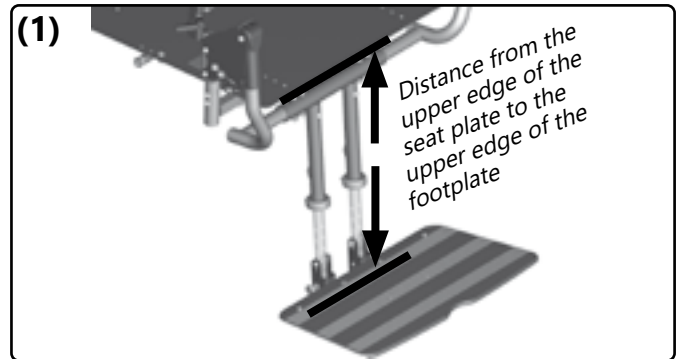
3.5 Assembly group leg support

3.5.7 Height adjustment of the footrest

Adjustment of the distance between the foot and seat plate (LLL)

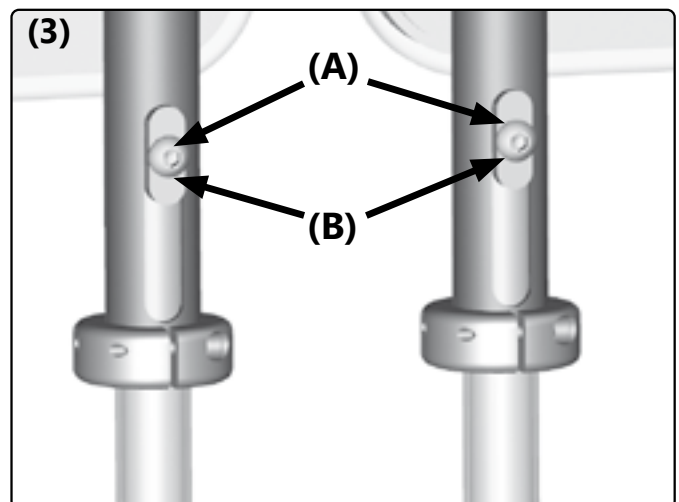
With the standard legrest, the distance between the upper edge of the seat plate and the upper edge of the footplate is changed as follows:

- **(2)** Remove the two screws **(2A)**,
- remove the footplate / s and
- move the footplate (s) along the holes **(2B)** to the new position (s).
- Reinstall the two screws **(2A)** and tighten them tightly.



Alternative:

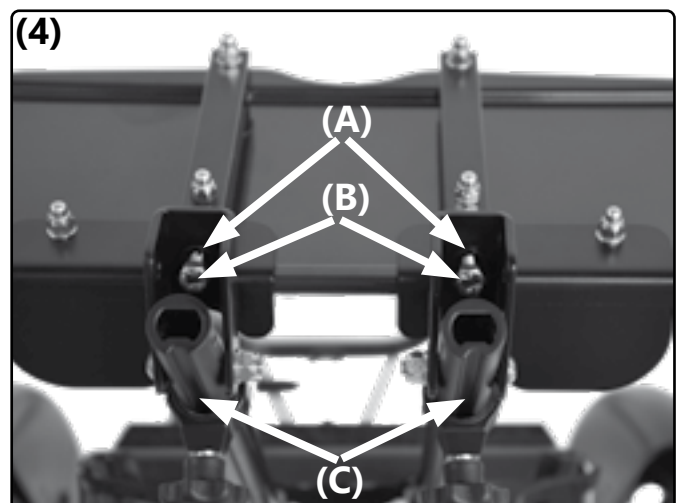
1. Remove the screws **(3A)**
2. and bring the stirrup to the desired height.
3. Screw in the screws **(3A)** and the stop parts **(3B)** up to the outer tube.
4. Now pull the stirrup down a little
5. and screw in the stop part **(3B)** completely.



Adjustment of the stop angle of the footplate (s)

(4) Use the two adjusting screws **(4B)** to adjust the stop angle of this footplate / s.

- Fold back the footplate (s),
- loosen the lock nuts **(4A)**,
- turn the two adjusting screws **(4B)** until you have reached the desired angle,
- tighten the lock nuts **(4A)** again.



When the footplate (s) is in use, both adjusting screws must lie firmly against the tubes **(C4)** of the leg support. It is essential to avoid an uneven contact point for the adjusting screws.

3.6 Assembly group brakes

3.6.1 General information about the brake

(1+2) Every wheelchair is equipped with two parking brakes or knee lever brakes. They consist of brake pressure bolts **(1A)**, brake lever **(1B)** (if necessary with an extension) and adjusting screws **(1C)**.

! Parking brakes are used only to lock the wheels in a rest position. They are **not** designed to brake the wheelchair while it is in motion.

! The correct functioning of the brakes can be impaired by:

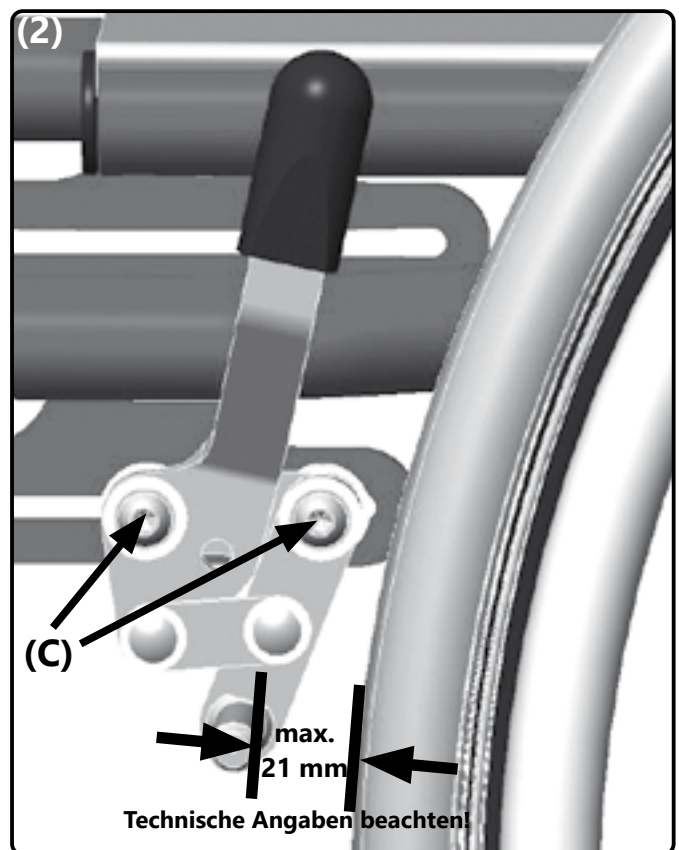
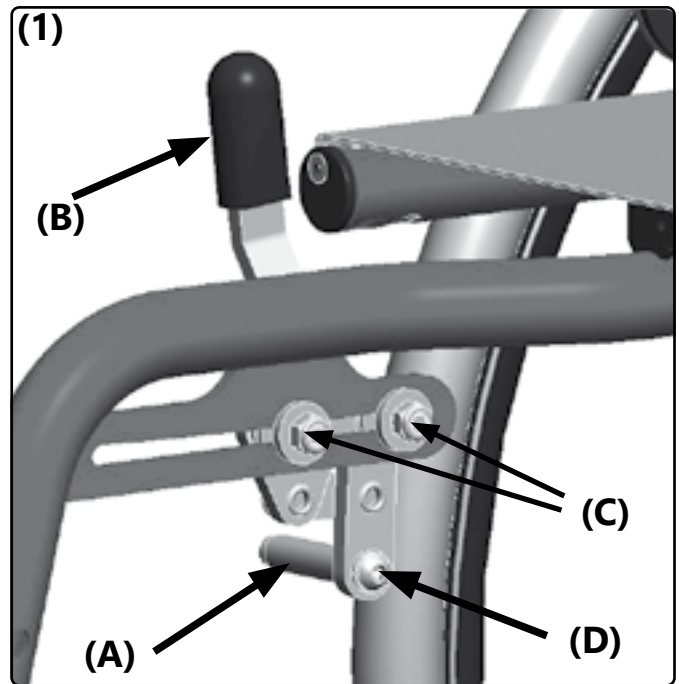
- tire pressure too low,
- Wetness, dirt, snow, ice, etc..
- worn tire profile and
- Too great a distance between the brake pressure bolt and the tire.

Check the fastening of the brake pressure bolts on the inside of the wheelchair at regular intervals **(1D)**

! Readjust the brakes after making any changes to the drive wheels. On a ramp with a 12.3% (7 °) gradient, the wheelchair's drive wheels with occupants must not slip when the parking brake is on.

When the brake is open, the maximum distance between the brake pressure pin and the tires is set as follows:

Standard-KLB	21 mm
Pull-to-lock-brake	11 mm
KLB with anti-rollback	about 10 mm
Bowden cable brake	6 mm
(Technical changes reserved).	



3.6.2 Standard parking brake

(2) First check the tire pressure of the drive wheels (required information on the tire casing). To adjust the brake, loosen the two screws **(2C)** on both sides, bring the brake body into the corresponding position and tighten the screws **(2C)** again.

3.6.3 Drum brake

The braking force of the drum brakes is optimally adjusted by our fitters.

! For safety reasons, regular checking of their functionality is required, as permanent use may require readjustment of the braking force or even the replacement of a Bowden cable

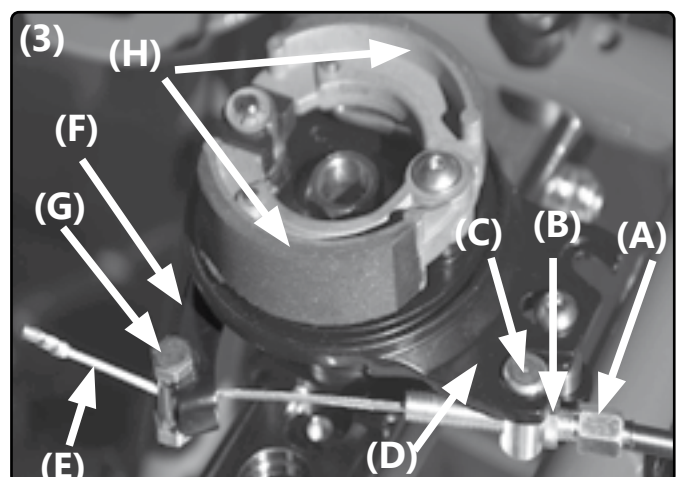
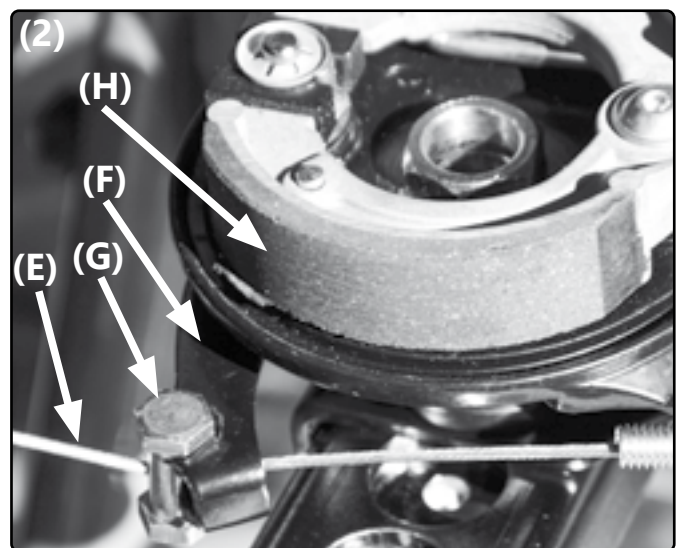
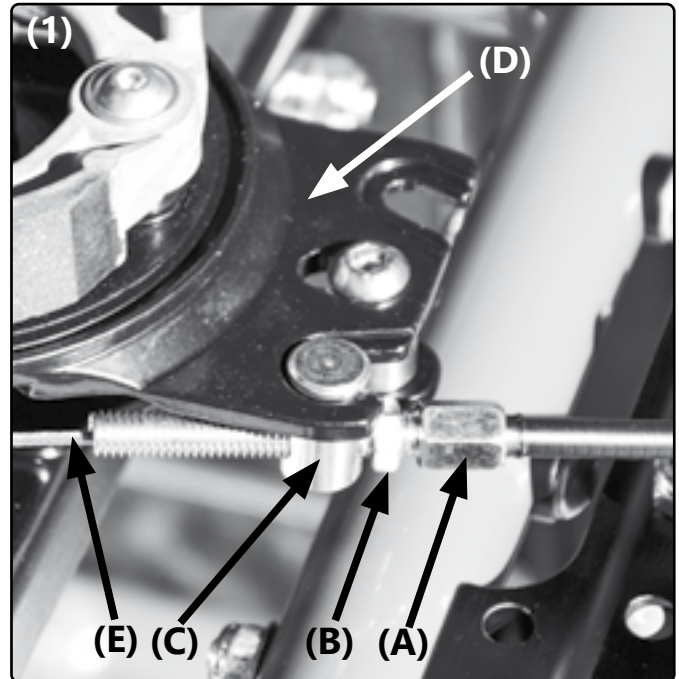
(1+2) The following drum brake components are important for adjusting the braking force: adjusting screw **(A)**, lock nut **(B)**, adjusting nipple **(C)**, holder **(D)**, inner cable **(E)**, locking lever **(F)**, clamping nipple **(G)**, brake shoes **(H)**
Zum Einsetzen des Bowdenzugs:

- **(3)** place the adjusting nipple **(C)** with the adjusting screw **(A)** and lock nut **(B)** at the lower end in the counter holder **(D)**,
- thread the inner cable **(E)** through the clamping nipple **(G)**,
- insert the clamping nipple **(G)** into the locking lever **(F)** and
- push the locking lever **(F)** slightly forward towards the adjusting nipple **(C)** so that there is a slight pull between the nipples.
- Tighten the clamping nipple **(G)** tightly.
- Put the wheel back on and check whether the brake shoes **(H)** are already rubbing against the brake body.
- To do this, jack up the wheelchair or hold it up to the side. The wheel must be able to turn freely.
- If the brake shoes are already grinding (without you having operated the operating lever), loosen the clamping nipple **(G)** and again
- give the locking lever **(F)** more play
- Then tighten the clamping nipple **(G)** again

To adjust the braking force:

- loosen the lock nut **(B)** on the adjusting screw,
- Tension or slacken the inner cable **(E)** of the Bowden cable by turning the adjusting screw **(A)**,
- test the pulling force at the top of the control lever and
- tighten the lock nut **(B)** again.

Possible impairment of the braking force can result from incorrectly adjusted pulling force of the Bowden cable, defective Bowden cable, or dirty brake bodies / brake shoes.

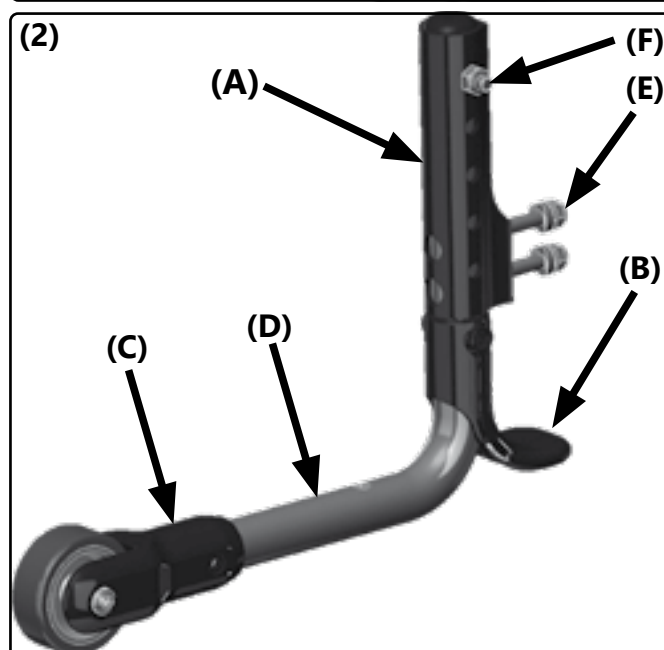
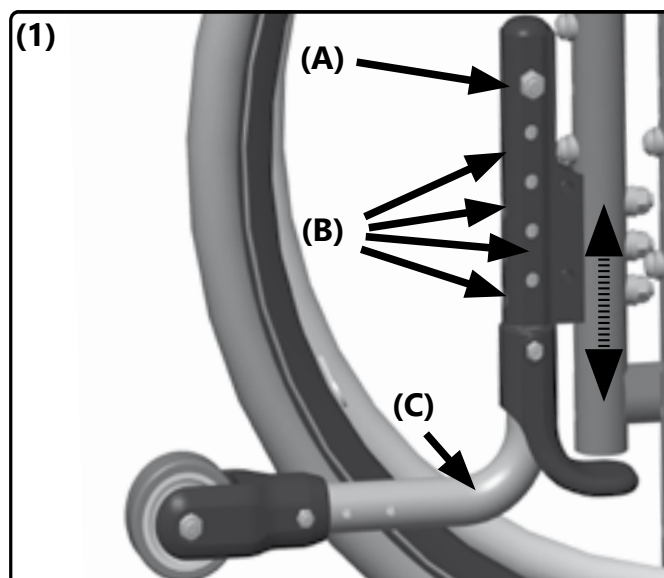


3.7.1 Height adjustment

- **(1)** Remove the screw **(1A)**,
- pull the anti-tipper bar **(1C)** in the holder **(1A)** down a little,
- move the screw **(1A)** to the desired position **(1B)**
- and close it again.

Alternatively, you can turn the holder by 180 °:

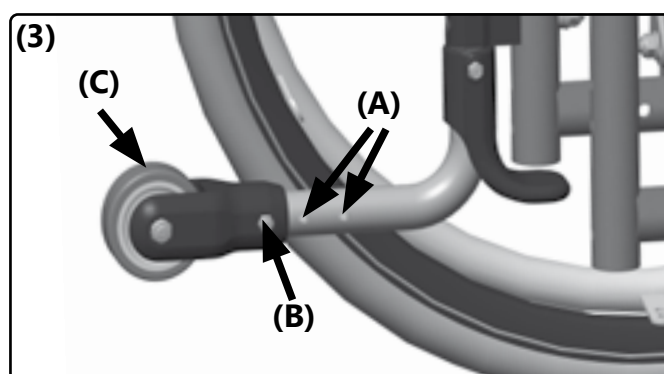
(2) If you want to set the anti-tipper particularly low, you can turn the anti-tipper holder **(2A)** by 180 °. To do this, remove the two screws **(2E)** and the screw **(2F)**, remove the anti-tipper bar **(2D)** and turn it 180 °, screw the anti-tipper bracket firmly back onto the frame tube, insert the anti-tipper bar back into the bracket and position it according to your requirements using the screw **(2F)** in the holes **(1B)**.



3.7.2 Length adjustment

(3) If you have adjusted your wheelchair very actively and the anti-tipper sticks out too far back, you can shorten the anti-tipper bar.

- Remove the anti-tipper wheel with holder **(3C)** with the screw **(3B)**,
- Use a suitable saw to shorten the anti-tipper bar to the desired length
- and put the anti-tipper wheel with holder back on.
- Put the screw **(3B)** in the appropriate hole **(3A)** and tighten it again.

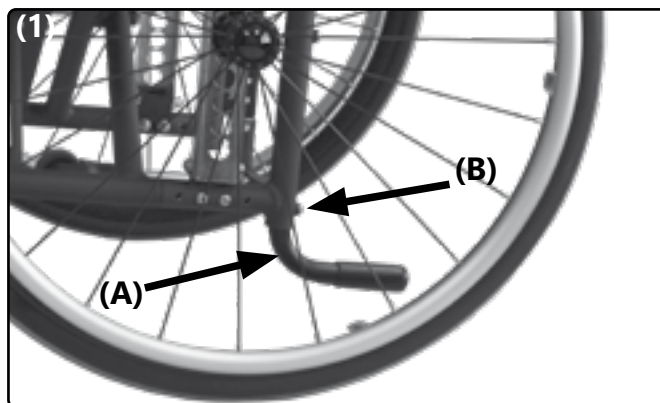


3.8.1 Mounting

(1) For retrofitting a tilting bracket:

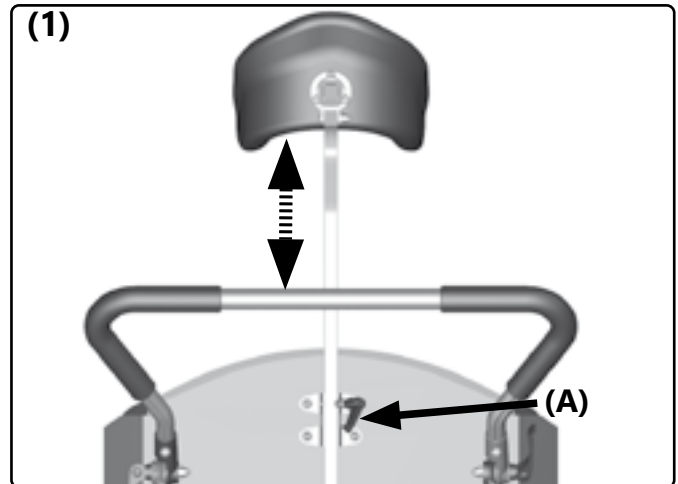
- Remove the cap on the underside of the frame tube,
- guide the tilt bracket **(1A)** into the frame tube from below and
- screw it tight with the screw **(1B)** in the frame.

It is not possible to mount the tilt bar and anti-tipper on the same side of the frame at the same time.



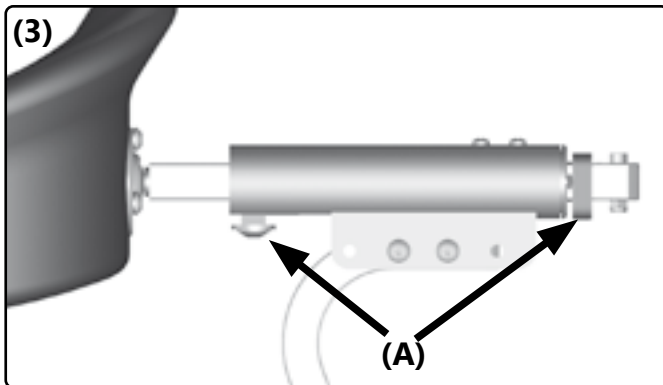
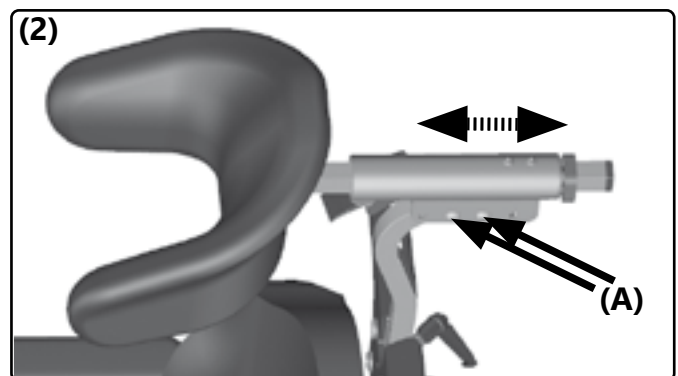
3.9.1 Height adjustment

To adjust the height of the headrest, loosen the clamping lever **(1A)** on the square tube. Move the headrest up or down to the desired position and tighten the clamping lever again.



3.9.2 Depth adjustment and dynamics of the headrest

1st. Option: To adjust the depth of the headrest, loosen the two screws **(2A)** on the square tube. Next move the headrest slide forwards or backwards and screw everything tight again.
2nd. Option: Use the adjusting rings **(3A)** to adjust the depth of the headrest. Loosen the screw connection of the adjusting rings, put the headrest in the desired position and fasten the adjusting rings again.



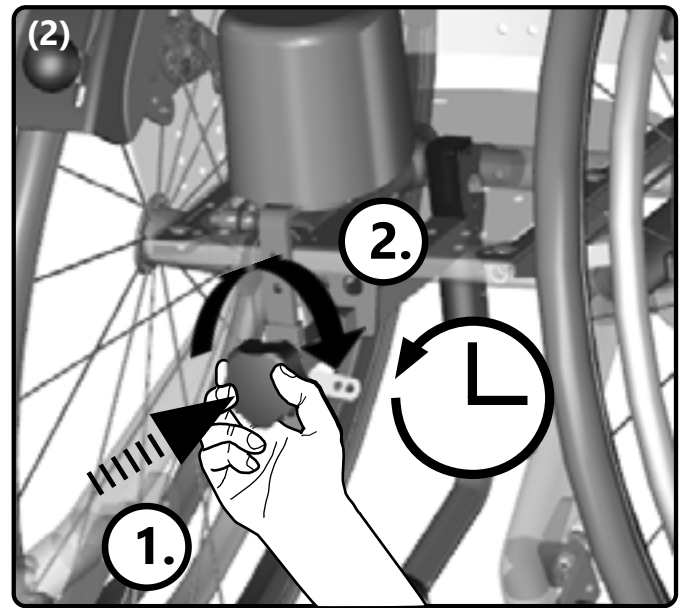
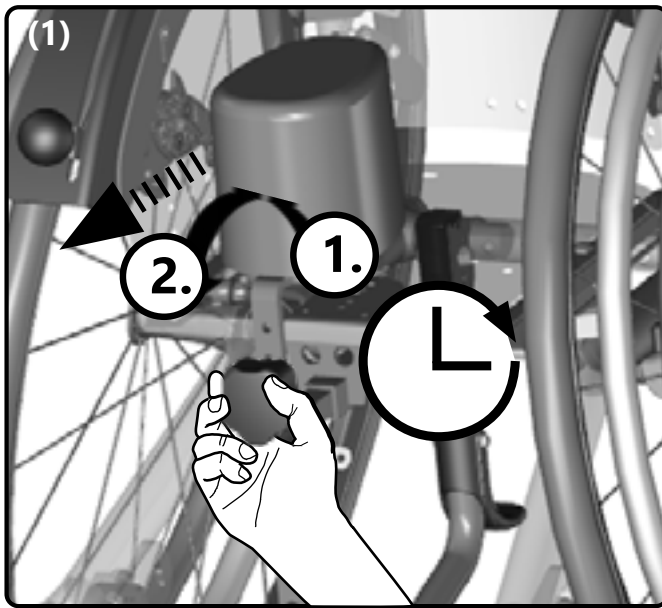
3.9.3 Adjust the inclination

The inclination of the headrest can be brought into the desired orientation by loosening the three screws **(4A)** on the spherical head and then adjusting the shaped head part. The screws must then be tightened again.



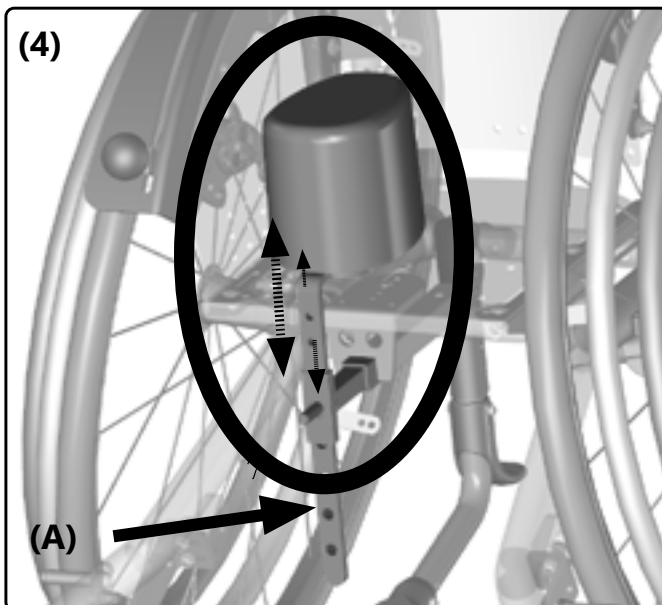
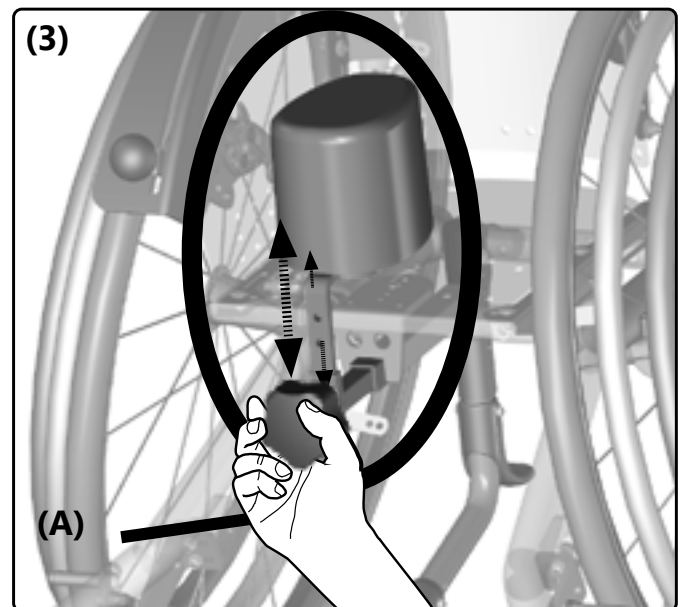
3.10.1 Depth adjustment

Adjust the height of the abduction wedge using the star grip.



3.10.2 Height adjustment

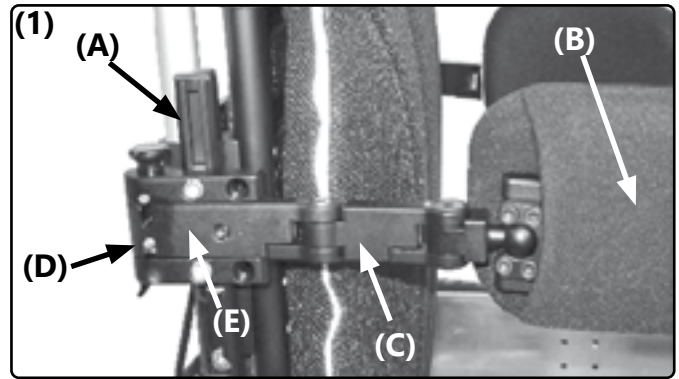
1. Open the star grip and pull out the abduction wedge completely.
 2. Remove the clamping cone and pull out the star grip with the threaded rod.
 3. Set the desired height and
 4. Put everything back together in reverse order.
- The protruding adjustment part **(4 A)** must now be sawed off.



3.11.1 Nomenclature

(1) The pads are made up of the following parts:

- (A) Connection
- (B) Lateral support pads
- (C) Lateral support holder
- (D) Locking hinge
- (E) Stiffening angle

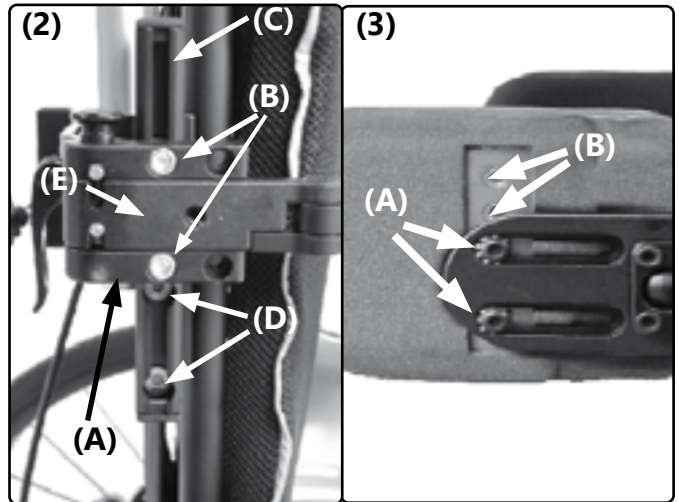


3.11.2 Vertical adjustment

(2) The vertical adjustment of the pads is made on the one hand by moving the locking joint (2A). Loosen the screws (2B), move the locking joint into the desired position, tighten the screws (2B) again.

Vertical adjustment

(2) The vertical adjustment of the pads can also be done by turning the C-rail (2C). Completely remove the locking joint (2A) using the screws (2B). Remove screws (2D), turn C-rail 180°, reinsert screws (2D) and tighten. Mount the locking joint (2A) on the C-rail again using the screws (2B) and tighten the screws (2B). Another possibility is to adjust the height by moving the stiffening bracket (2E)



3.11.3 Horizontal setting

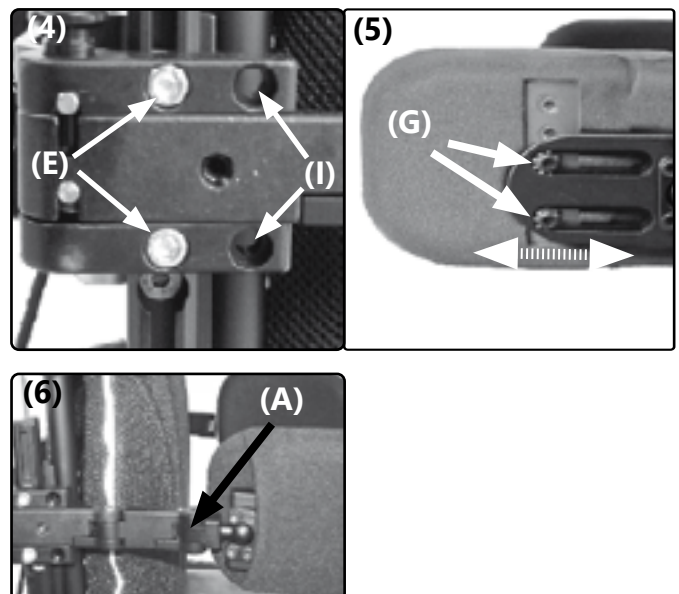
(4) The horizontal adjustment can be done on the one hand by offsetting the locking joint. Remove the screws (4E), move the locking joint into the holes (4I) (or vice versa), reinsert the screws and tighten firmly.

Horizontal setting

(5) The horizontal adjustment can also be done by moving the pad. Remove covers, loosen screws (5G), move upholstery, tighten screws again, put covers back on.

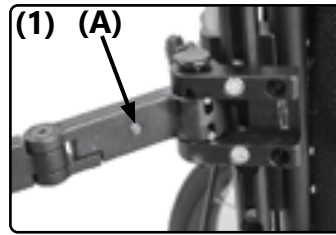
Horizontal extension

(6) An additional horizontal extension can be achieved by inserting an extension piece (spare part). Remove screw (6A), insert extension piece and screw tight again at both ends.



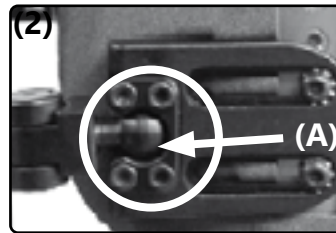
3.11.4 Fine adjustment of the lateral support holder

(1) Die Feinjustierung des Spiels zwischen Verschlussgelenk und Pelottenhalter erfolgt über die Justierschraube **(1A)**.



3.11.5 Adaptation to the user

(8) When all positioning and extension work has been carried out, close the pads, align the joints in the required position and tighten all joint screws **(6A)** firmly. Fix the ball joint by tightening the four screws **(2A)**.



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 or requested from us.

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

4.3 Cleaning

Clean the wheelchair and all components regularly 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

Before each disinfection, cleaning must be carried out. Use a common household water-based agent for disinfection. Observe the instructions for use of the respective manufacturer.

4.5 Storage

- Perform cleaning
- Fold the folding wheelchair (if available)
- Set 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 check by the specialist retailer, 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 operating environment and the care.

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 Re-use

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 sponsor. The wheelchair must be disposed of in accordance with the applicable national statutory provisions.

4.9 Maintenance / inspection

For safety reasons and to maintain product liability, an inspection by your specialist retailer 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 drive:

Check if:

- Frame, back unit, 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 reinserted and firmly locked.

Every 3 months:

(earlier depending on driving performance)

Check if:

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

Clean 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)

To prepare:

- ☐ clean

Check if:

- ☐ Frame, back unit, add-on parts and accessories checked for damage, bending, cracks and corrosion,
- ☐ 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,
- ☐ 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.

Oil:

- ☐ Moving parts and bearings are oiled

Final check:

- ☐ Functional check of all mechanical adjustment devices carried out

5.1 Data and dimensions

Model: Dynamis MV

Type: 793

Dimensions \pm 5%

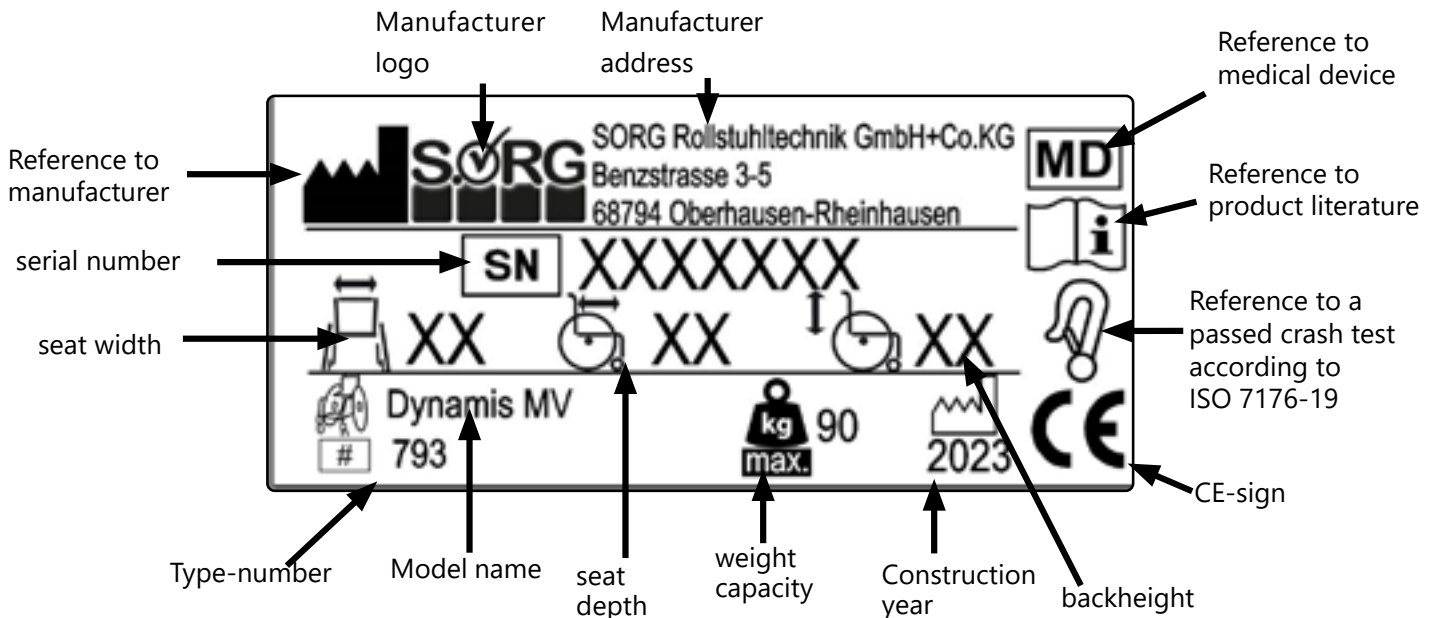
Description		Measurements	Comment
seat width (SW)	Ergo-seat	300 - 500 mm in 20 mm steps	growing by 40 mm
seat depth (SD)	Ergo-seat	320 - 520 mm in 20 mm steps	growing by 20 mm
back height (BH)	Underframe	430 or 500 mm	
	Ergo-seat	350-650 mm in 50 mm steps	
back unit:		adjustable in depth by + 40 / -20 mm	
back angle	default setting	90° / 95° / 100°	
	dynamic	from the preset angle up to 120°	
lower leg length		220-450 mm	Upper edge of seat plate to foot plate
ETRTO wheel size	at 20"	Ø 451 mm	
ETRTO wheel size	at 22"	Ø 489 mm	
ETRTO wheel size	at 24"	Ø 540 mm	
Handrim diameter			
	at 20"	Ø 444 mm	
	at 22"	Ø 481 mm	
	at 24"	Ø 533 mm	
handrim		Ø 19 mm	Pipe diameter
camber		0°, 2°, 5°, 8°, 11°	
seat height (SH) front	min.	380 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.	325 mm	
seat height (SH) back	max.	585 mm	
overall width	min.	SB + 200 mm	
	max.	SB + 405 mm	
overall length	min.	875 mm	without outdoor front end
	max.	1135 mm	
Total height (including push handle in 45 ° position)	min.	1045 mm	
	max.	1320 mm	
Capacity	max.	90 kg	
Permissible incline		12,3% = 7°	at 0 ° inclination of the back angle
Permissible slope		12,3% = 7°	
steadiness		12,3% = 7°	
Turning circle		about 1050 mm	depending on the wheelchair size
Individual weights	drive wheels	0,97 - 2 kg	depending on the design and size
tires	Commercially available pneumatic tires sizes 1 ", 1 3/8" or puncture-proof tires (same dimensions), tire pressure usually 3-10 bar.		
Corrosion protection	Material	Stainless steel, aluminum	
	Coating	Powder coating, galvanizing	
Service life	3 years	if the wheelchair is not used excessively	
lifespan	5 years		
normative requirements	The wheelchair meets the requirements of ISO 7176-8 and the requirements against ignition		
Minimum empty weight.	Roadworthy with RB 300 mm, 20 " rear wheels, 5 " PU caster wheels	20,35 kg	Frame size 1, seat frame, 22 " wheels with drum brakes, PU caster wheels, legrests, push bow

5.2 Meaning of the labels

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

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

Label:



5.3 Declaration of Conformity

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

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

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



Notes:



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

info@sorgrollstuhltechnik.de
www.sorgrollstuhltechnik.de

Retailer stamp