ENG

Mio Move

Service Record

In the following all individual adjustments of the wheelchair are described. These adjustments require tools and specialised knowledge. Please leave the adjustments to a qualified rehab consultant.

MADE IN GERMANY

Unique people, unique solutions.

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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.

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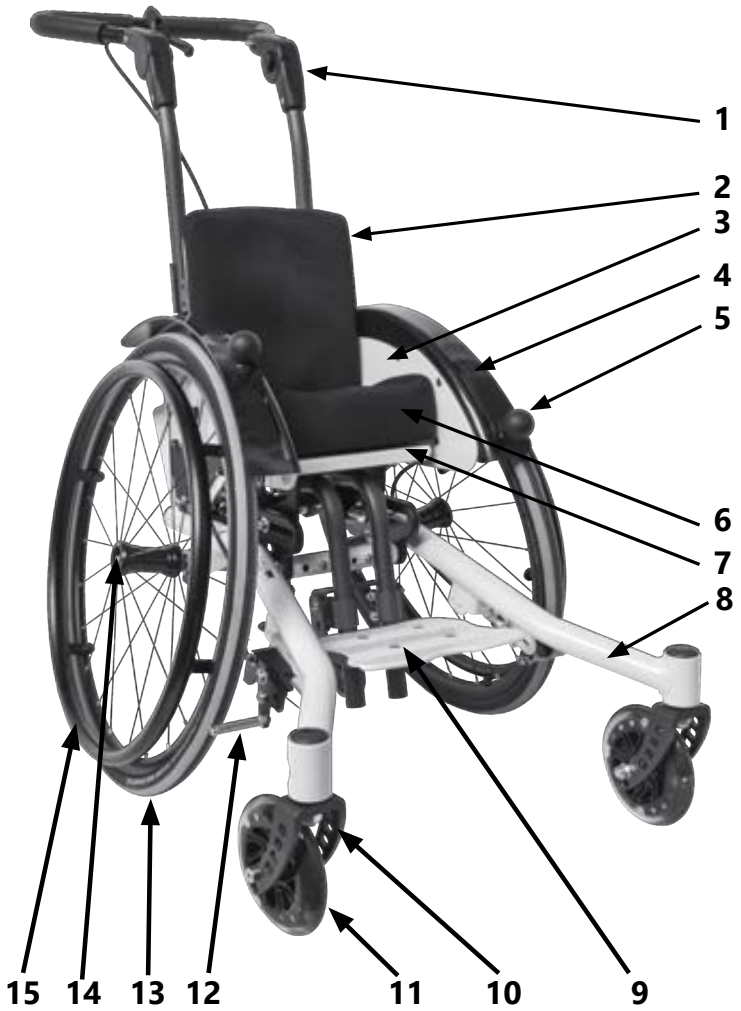
Table of content

1 Wheelchair overview



1 push bail
2 back cushion
3 side guard
4 wheel cover
5 brake lever
6 seat cushion
7 seat plate
8 frame
9 leg support
10 caster fork
11 caster
12 brake block wheel lock
13 rear wheel
14 quick-release axle
15 hand rim

16 push bail
17 triggering lever tilt mechanism
18 angle adjustment
19 firm curved back plate
20 Eccentric tensioner for push bail
21 anti-tipper

2 General information

2.1 General indications

In the following all individual settings, adjustments and repairs as well as the yearly inspection of the wheelchair are described. These adjustments require tools and specialised knowledge. Please leave the adjustments to a qualified rehab consultant.

Should questions or suggestions come up then please contact your medical supply store or our team (+49 7254 9279-0).

2.2 Documentation indications

Please note:

- Information about before sale can be found in the instructions for use
- Infomation for the user can be found in the instructions for use
- For maintenance instructions see: Chapter 4 (Repair & Maintenance)

2.3 Required torques and tools

For the following screws needed torque:

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

Needed tools:

- torque wrench (5-50 Nm)
- open end wrench
- flex ratchet handle with socket wrench inserts
- hexagon screw driver
- Phillips screw driver
- flat head screw driver
- plastic mallet
- side cutter
- threadlocker (fluid)
- bicycle inner tube repair kit
- work bench/jaw vise with rubber pads

2.4 Explanation of symbols

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

CORRECT safety adjustment/ use

WRONG adjustment/ use

NOT ALLOWED

References to additional/continuing reading.

important detail

correct or proper use/setting

incorrect or improper use/setting

(A); (B) reference from text to detail

Use

push/ pull/ insert / move/

Push in specific direction

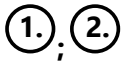
Setting or adjusting the angle

open/ close

Turn clockwise

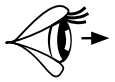
Turn counter-clockwise

steps to be done at the same time



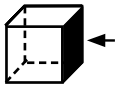
steps to be done after each other

steps to be done on both sides

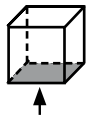


point of view

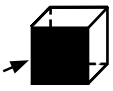
view from top



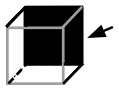
view from the side



view from the bottom



view from the front



view from the back

fasten parts

remove parts

2.5 General safety instructions

⚠ **Before each use be sure to check:**
- frame, back tubes, attachments and accessories for visible damage, bends, cracks or missing/loose scews,
- wheels/quick release axles for firm fit,
- sufficient tire pressure, tire tread,
- functionality of the brakes,
- firm fit of the angle adjustment elements/ eccentric clamps,
- firm fit of the seat plate/ the back/ the foot plate,
- functionality of the anti-tipper/ seat and back straps,
- if all previously disassembled parts are re-inserted or firmly locked.

⚠ There is a risk of injuries (e. g. such as bruising) on all rotating or folding parts, including adjustments, repairs and transport.

⚠ All wheelchair parts are to be handled with care. Do not throw or drop removable parts.

⚠ Before repairs or adjustments are made, clean/didinfect the wheelchair and secure it from tipping over and/or falling down.

⚠ Only use original spare parts.

⚠ Safety nuts may only be used once. Lossened safety nuts must be replaced by new ones.

⚠ Only the 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 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 Assembly group wheels

3.1.1 Centre of gravity/ wheelbase

The center of gravity (degree of activity), the seat height and the seat angle of the wheelchair are used for wheelchairs of product group 18.50.03. usually set with the constellation drive and steering wheels or the perforated plate. The wheelbase is fixed on the Mio and can not be changed. The center of gravity is adjusted via the seat support angle.

3.1.2 Camber

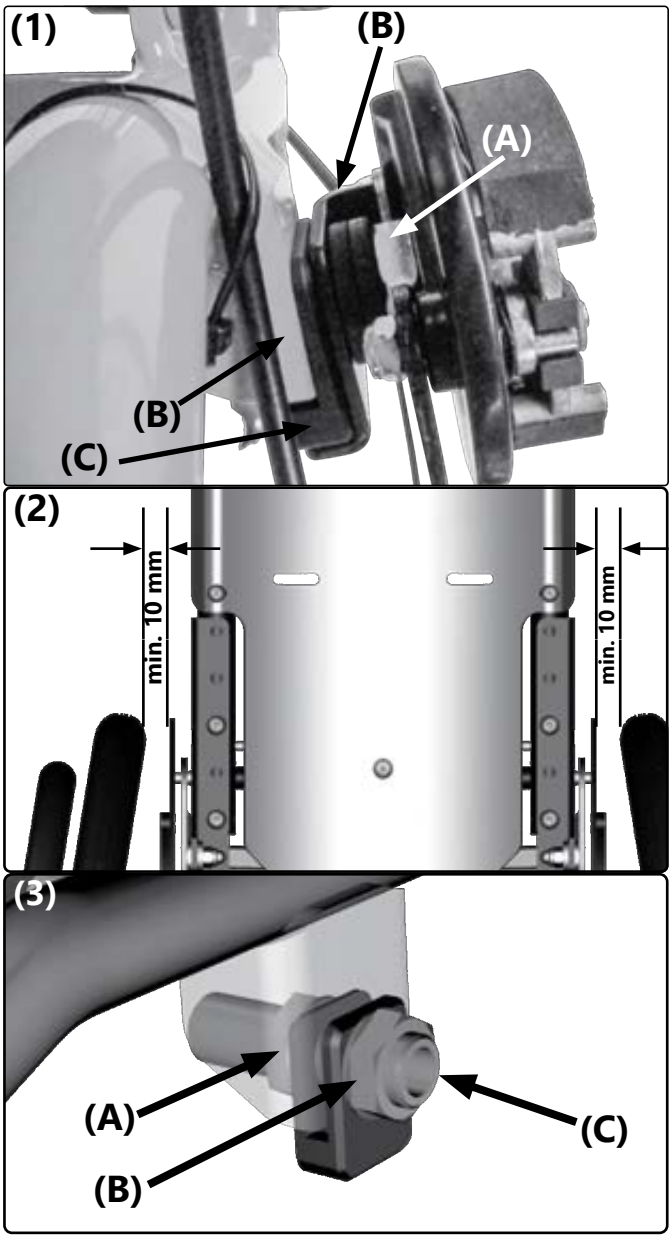
Variant till 31.12.2016:
In order to change the camber remove the rear wheels and secure the wheelchair from rolling away.

- Completely remove the quick-release axle fitting **(A)** including the drum brake arm **(B)**,
- place the camber adjustment **(C)** on the rear wheel reception **(D)** (possible changes of camber about ± 2°to 7°or 11° from horizontally turning the camber adjustment 180°),
- replace quick-release axle fitting **(A)** including the drum brake arm **(B)**, screw on tightly and
- put wheels back on.

(2) Check the distance of the rear wheel to the side guard by shortly placing the rear wheel on.

(3) Correct the quick-release axle fitting and turn it as far in or out, that the wheels tire has a minimum distance of 10 mm to the side guard or the skirt guard.

- Loosen nuts **(A)** and **(B),**
- turn the quick-release axle adapter **(C)** in or out,
- retighten the nuts **(A)** and **(B)** (tightening torque nuts M18 fitting 35 Nm).



⚠ After adjusting the quick-release axle adapter, be sure to check that the wheel lock functions properly.

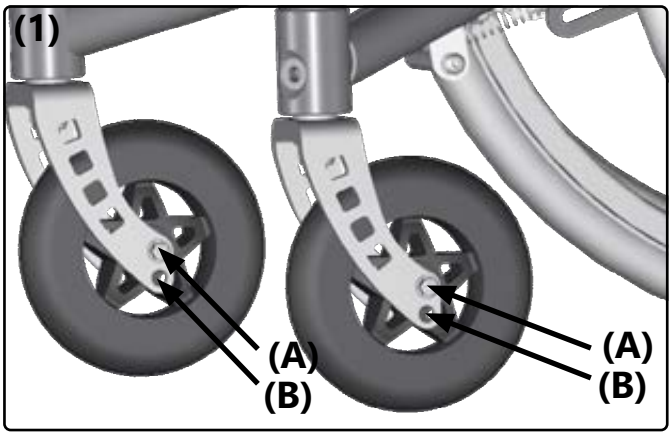
⚠ Make sure the distance of the quick-release fitting is the same on the left and right!

The camber and toe adjustment from 01.01.2017 can be found in our service brochure Camber and toe compensation. This can be found at http://www.sorgrollstuhltechnik.de/

3.1.3 Casters

The casters are tightly attached to the frame pipe and cannot be adjusted.

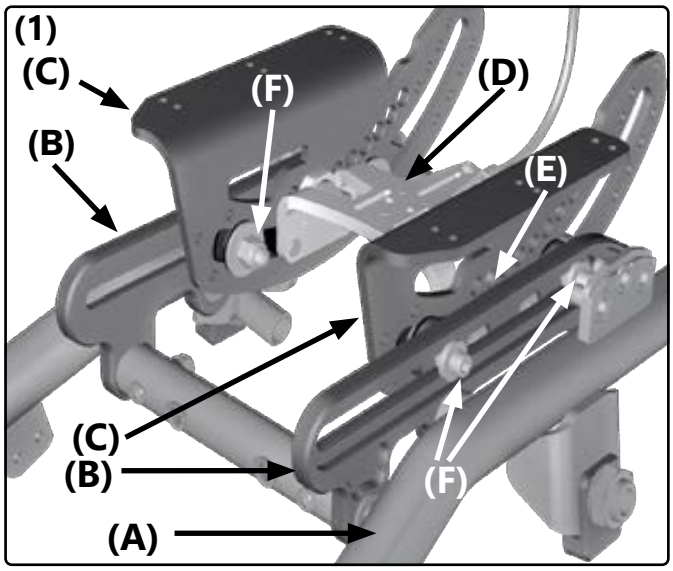
(1) To displace/replace the casters:
- remove the screws **(A)** completely,
- remove the husks,
- change the casters,
- if necessary, guide the husks and wheels in the new holes **(B)**,
- replace the safety nuts with new ones (!)
- and retighten all the screws.



3.2.1 Tilting

You do not need to make any adjustments on the tilting mechanism of the Mio Move.
(1) A list of names of the individual assembly parts of the seat (the same parts are found mirror-inverted on the opposite side):

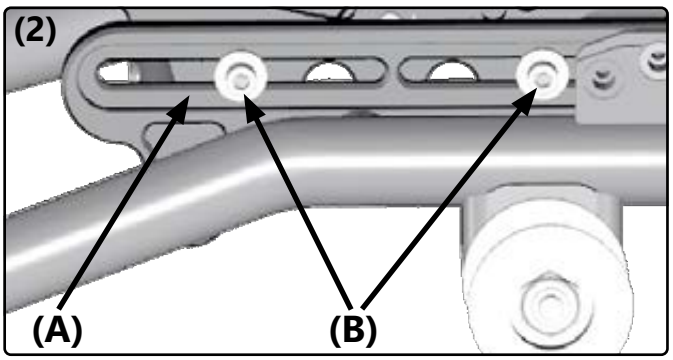
- **(A)** frame pipe
- **(B)** tilting
- **(C)** tilting slide
- **(D)** release mechanism for locking bolt
- **(E)** locking bolt for the tilting
- **(F)** cap nut with screw heads

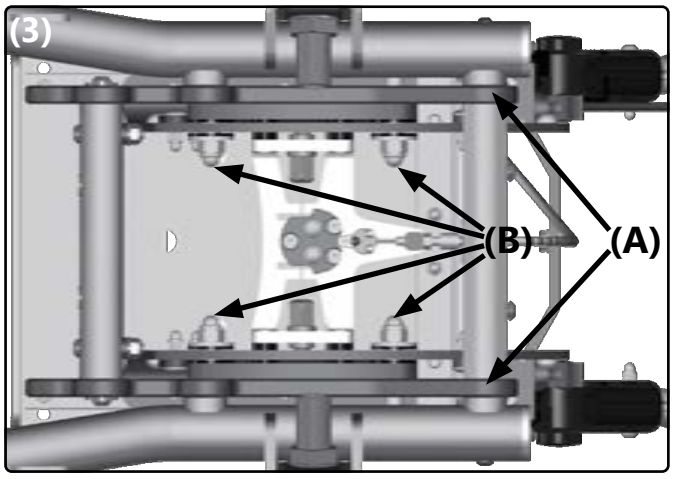


3.2.2 Changing the seat position

(2+3) horizontal displacement
With a centered positioned seat you can change the seat position along the tilting bar **(A)** 4,5 cm forward or 4,5 cm backward.

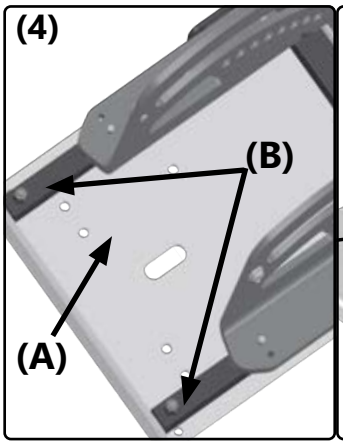
- Secure the wheelchair from rolling away,
- loosen the four cap nuts **(B)** under the seat on the inner surface (they do not have to be fixated during the process),
- turn the cap nuts **(B)** only so far that the screw connection is retained (about half a turn),
- shift the seat along the tilting bar **(A)** in the desired position and
- retighten all four cap nuts **(B)**.

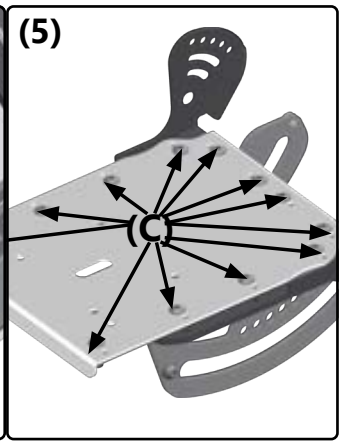




(4) vertical displacement
The vertical displacement by Mio Move takes place over the thickness of the seat cushion and/or over the attachment of spacer bushings between seat board **(A)** and the seat holders **(B)**.

- **(5)** Remove the twelve screws **(C)**,
- replace the screws **(C)** with twelve longer ones,
- place the spacer bushings between the seat board **(4A)** and the seat holders **(4B)**,
- place the new (longer) screws **(C)** back in the holes
- and tighten all of the screws **(C)**.

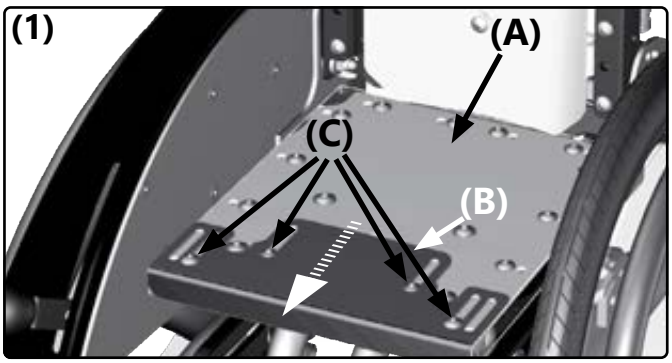




3.2.3 Changing the seat depth

(1) To extend the seat board **(A)** with the seat extension **(B)**:

- Loosen the four screws **(C)**,
- pull the seat extension **(B)** as far forward as needed
- and retighten the screws **(C)**.



3.2.4 Blocking the tilting

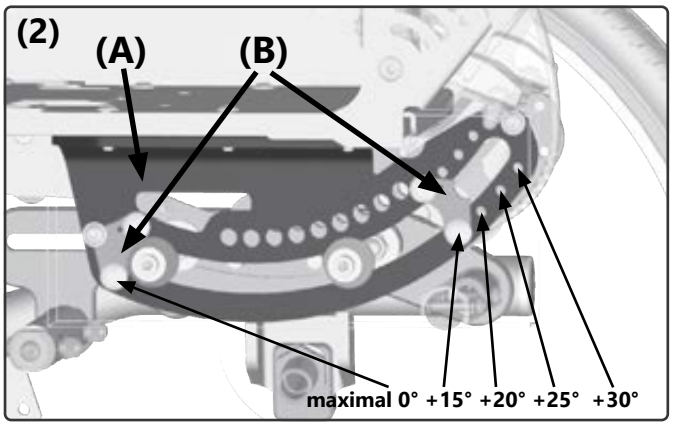
(2) Changing the maximum tilt
The measurement of the maximum tilting forward and/or backward can (also afterwards) be reduced by adding so called tilting blockers **(B)** on to the front and/or back of the tilting slide **(A)**.

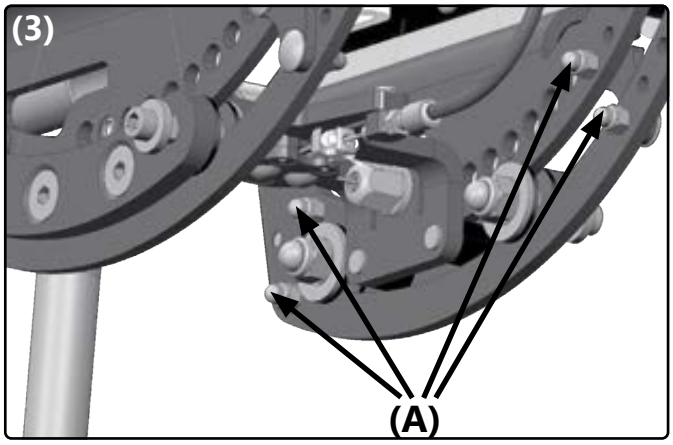
With this, you ensure that you can only tilt forward to a maximum of 0° and backward only to a maximum of +15°,+20°,+25° or +30°.

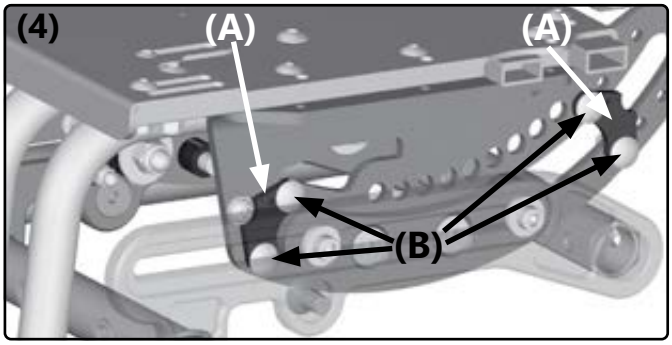
To change/set the tilting blockage, secure the wheelchair from rolling away and remove the driving wheels.

- **(3)** Turn the wheelchair upside down so that it is easier to work on the bottom.
- If necessary, you must tilt the seat to reach the "zero degrees position" (see picture 2) easier.
- Remove, if necessary, all four screws **(A)** on each side,
- **(4)** displace the tilting blocker(s) **(A)** in the position wanted (measurements see picture 2),
- place the lock screws **(B)** in the tilting blockers from the outside
- and tighten these with the cap nuts **(3A)**.

⚠ Be sure that the blockers are attached the same on both sides.

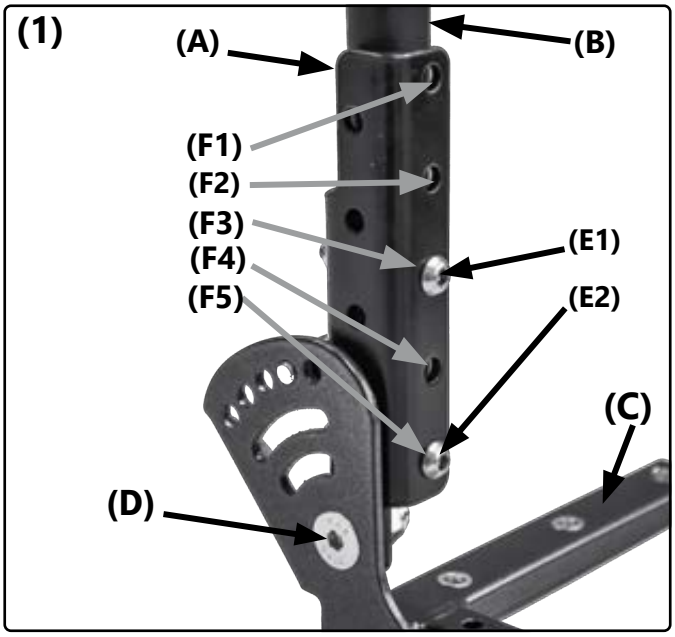






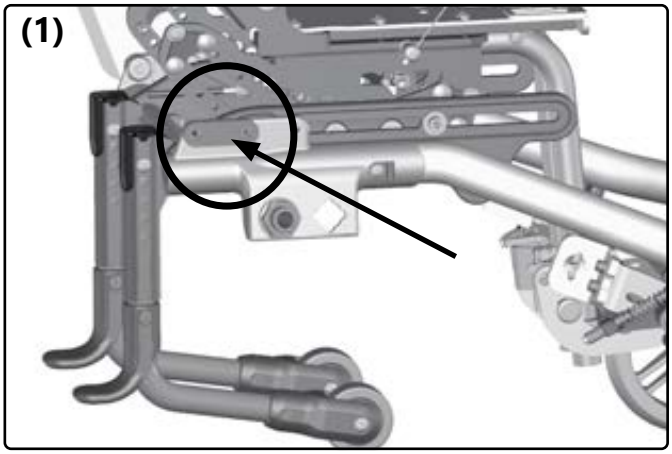
3.2 Assembly group seat

The slot **(A)** of the back pipes **(B)** is screwed on to the seat holder **(C)** with the screw **(D)**. Picture **(1)** shows a back pipe at the lowest position. The back pipes can be extended 50 mm.



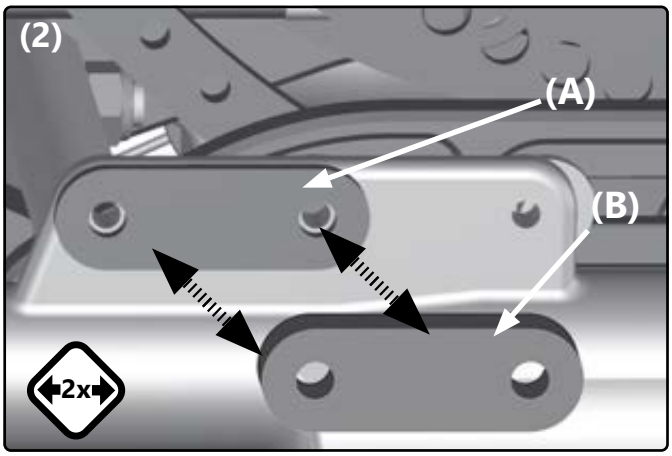
3.2.5 Change in seat width

The seat width is increased by 1 cm per side due to the distances between the frame and side parts
enlarged.
To prepare, remove the drive wheels and side panels.



To widen the seat, proceed as follows:

- Place the 10mm spacer **(2B)** from the side panel onto the standard 3mm spacer**(2A)**.
- Tighten the screws firmly.
- Reattach the side panel and the drive wheel.



⚠Correct the quick-release axle fittings and turn them out/in so far that the tire of the wheel is as little as possible at the crest, but at least 8-10 mm away from the side part or the clothes guard (see chapter "Wheel assembly").

Make sure that the quick-release axle fittings have the same distance to the frame on the left and right! Unequal distances mean, that the wheelchair no longer runs on track.

3.3 Assembly group back

3.3.1 Changing the back height

(1) To extend the back height 50 mm:

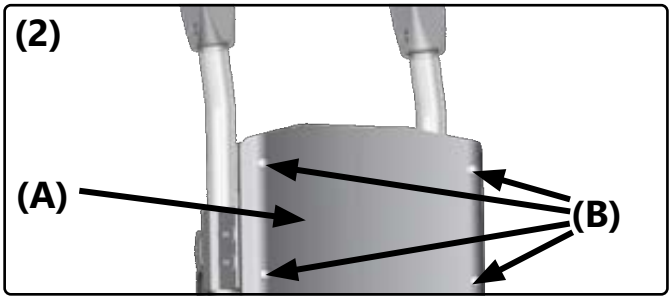
- Remove the screws on both sides **(E1+2)**,
- move the back pipes up,
- move the screw **(E1)** in the hole **(F1)** and the screw **(E2)** in the hole **(F3)**.
- Retighten all screws.

⚠ Should the safety nut of the screw connection **(D)** be loose, even though it was glued, then it must be switched with a new one and glued immediately. The wheelchair is otherwise not operable.

3.3.2 Replacing/ removing the curved back plate

(2) When widening the seat, first you must remove the old curved back plate **(A)**.

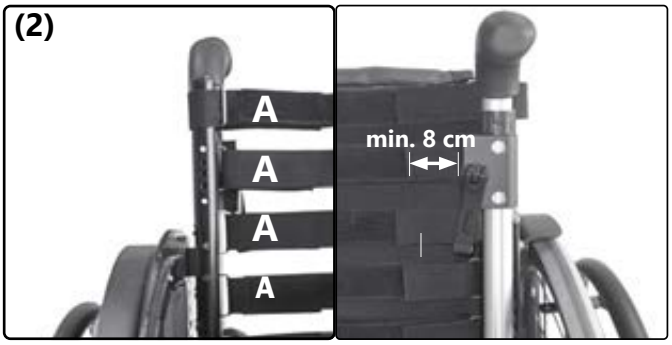
- Remove the four screws **(B)**,
- Widen the wheelchair as described,
- screw on the new curved back plate **(A)** with the screws **(B)**.



3.3.3 Adjust back cover

- **(2)** Open the velcro connections **(A)** andbring the straps to the desired position.
- Close the connections **(A)** again.

⚠ Velcro and velcro part must be min. Overlap 8 cm.

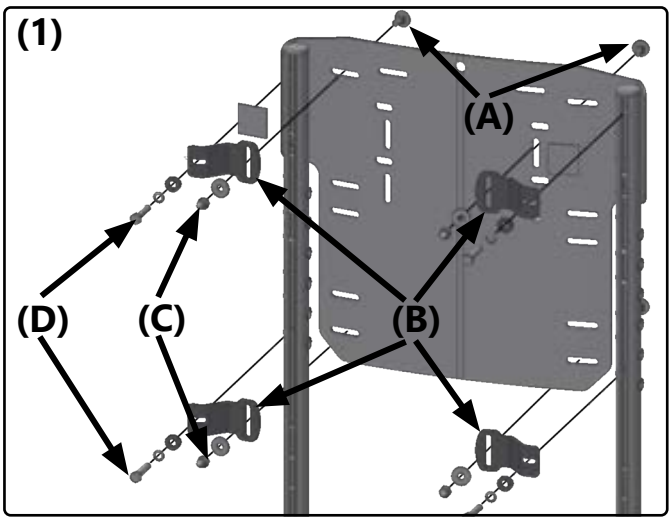


3.3.4 Bracklet tabs for the curved back plate

If you use the curved back plate as a basis for a back shell that you yourself upholster on the back plate, you can then after only screw on the curved back plate on to the back pipes from the back. For this you will need the bracket tabs, which you must mount before you put the upholstery on.

(1) In order to mount the bracket tabs **(B)**:

- Remove the curved back plate completely,
- place, as shown in the detailed drawing, the four carriage bolts **(A)** from the front in to the shown holes,
- place from the back the felt and bracket tabs **(B)** on
- and put the cylinder head bolts **(C)** on, but without tightening them.
- Mold your back shell.
- Then, put the curved back plate from the top over the back pipes.
- Put the hexagon screw **(D)** on both sides in the wanted holes of the back pipe and tighten these screws **(D)**.
- Afterwards, tighten the cylinder head bolts **(C)** of the bracket tabs **(B)**.

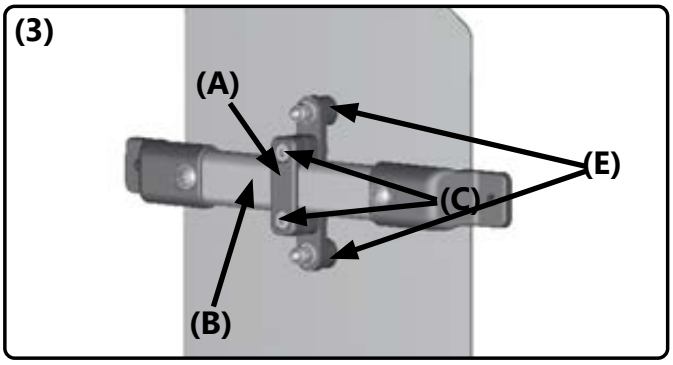


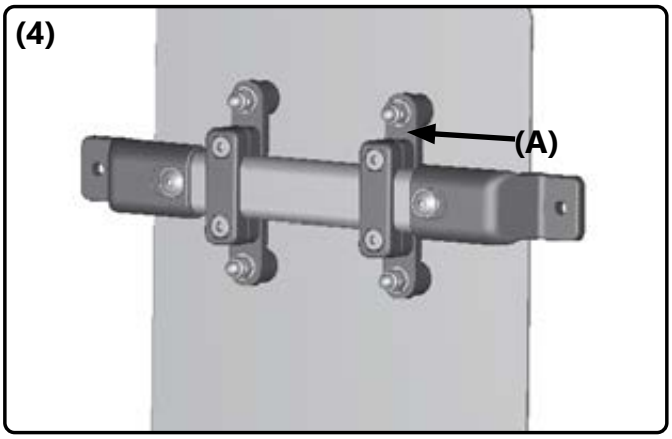
3.3.5 Back shell connection

Assembly of the back shell connection:

- Mount the clamping parts of the back shell connection **(3A)** to the profile tube of the stabilizer bar **(3B)**.
- Slide the connection bracket **(4A)** over the M6 screws **(3C)** and fix them with the M6 safety nuts.
- The clamp is fixed using the M6 screws **(3C)**.
- The specialist store must then professionally connect the self-made backrest or the seat shell to the connection bracket using the enclosed spacers **(3E)**.

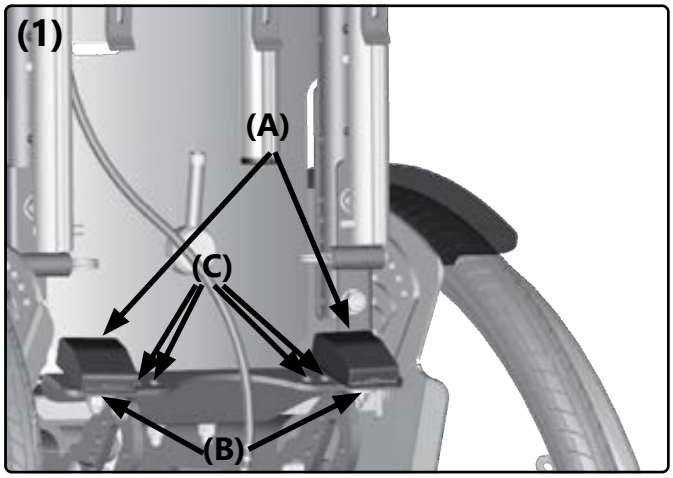
From a seat width of 30 cm, two connections are screwed **(4)**. Please proceed as described above for each connection.

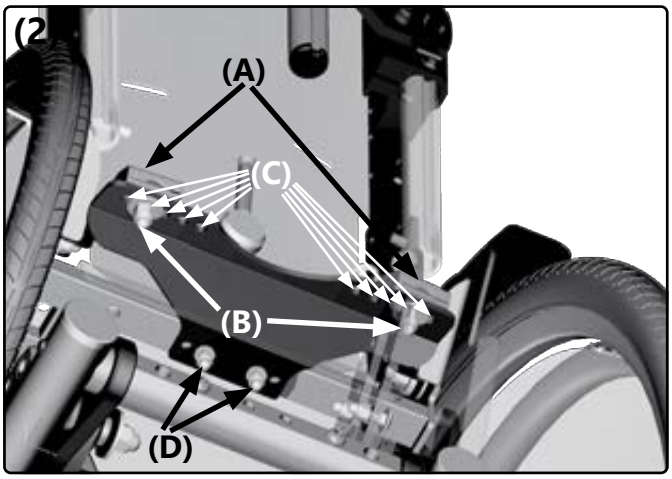




3.4.1 Displacing the bottom metal locks

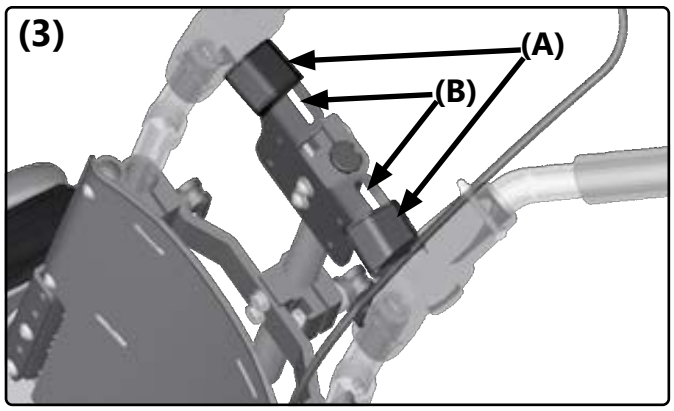
- **(1+2)** Open the metal locks **(A)** and remove the belts,
- remove both screws **(B)** at the bottom of the belt holder,
- displace the metal locks **(A)** in the wanted holes **(C)**
- and replace the screws in the metal locks.
- Tighten the screws,
- guide the belts back in
- and close the metal locks.





3.4.2 Displacing the top metal locks

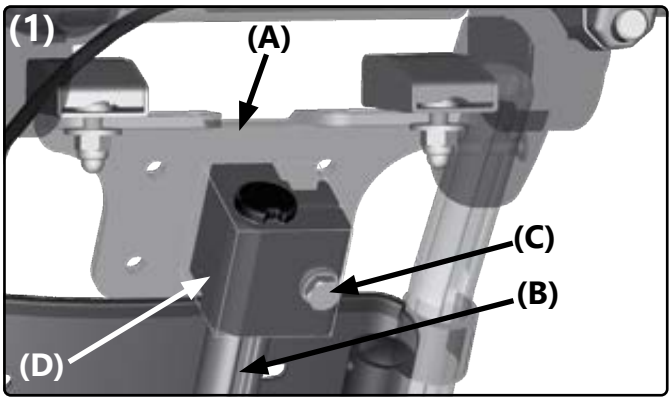
- **(3)** Open the metal locks **(A)** and remove the belts,
- loosen both screws of the metal locks at the bottom of the belt holder,
- displace the metal locks **(A)** along the elongated holes **(B)** in to the position wanted
- and retighten the screws.
- Guide the belts back in and close the metal locks.



3.4.3 Height setting of the belt holders

(1) You can displace the height of the top belt holder **(A)** along the profile tube **(B)** (e.g. if you need the top tube end to attach a head-rest).

- Open the screws **(C)** on the clamping profile **(D)**,
- put the belt holder **(A)** in the position wanted
- and retighten the screws **(C)**.



⚠ Please make sure that the belts do not touch the neck of the child/user - Ingury Risk.
Guide the top belt as far away from the neck of the child/user as possible.
This is why you need to adjust the height of the top belt holder only with the child/user in the wheelchair.

⚠ A too highly set foot plate can lead to a kink stance in the pelvis and a too low set foot plate can lead to jams in the thighs. The thighs must lie evenly on the seat cushion; the back of the knees must stay free.

3.5.1 Leg support standard

The mounting of the leg support takes place in the middle under the seat plate.

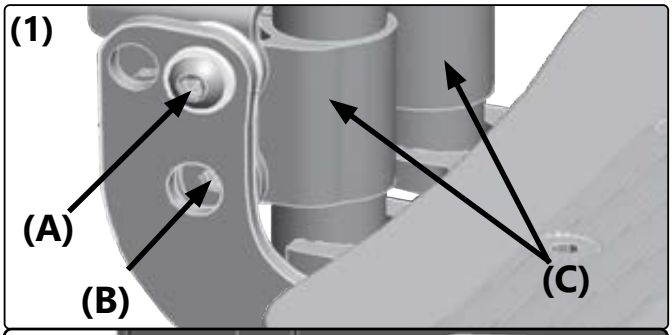
(1) Setting the lower leg length:
- Loosen both screws on both sides **(A+B)**,
- push both foot plate holders (clamping profile) **(C)** in the position wanted,
- retighten the screws **(B)**,
- but only tighten the screws **(A)** so tight that the foot plate can still be folded back.

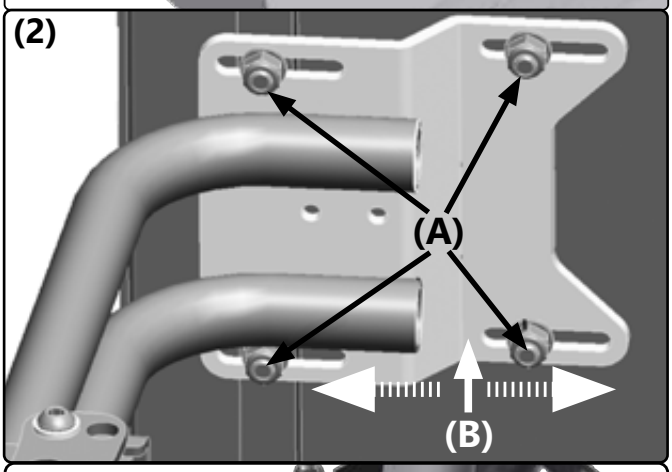
(2) Setting the depth:
- Loosen all four screws **(A)** under the seat plate,
- slide the leg support holder **(B)** in the position wanted
- and retighten the screws **(A**).

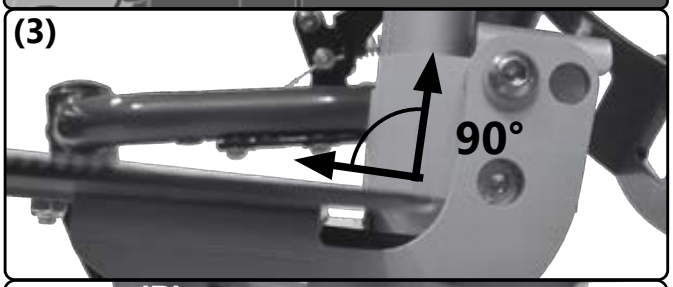
Setting the angle:
(3) The angle of the foot plate is set by us at 90° ex works.

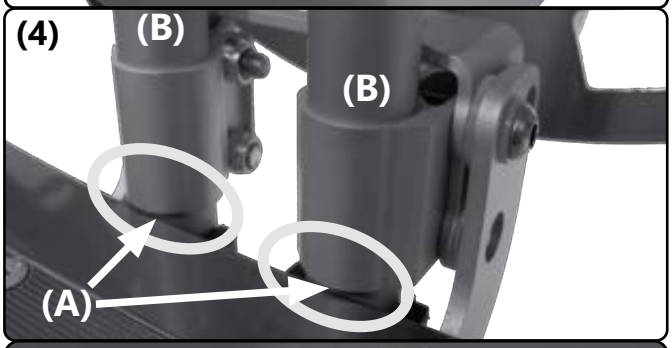
(4) By changing the end stop **(A)** on the tubes (B) the angle of the foot plate can be adjusted up to ± 15°.

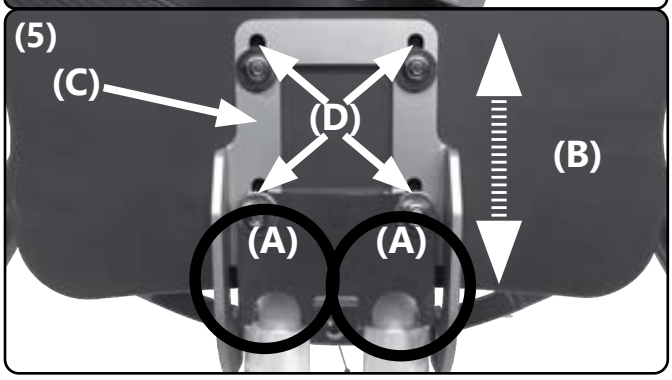
(5) For this, the position of the foot plate **(B)** must be moved forward (= slanting foot plate) or backward (= rising foot plate) on the holder unit **(C)**.
- Loosen all four screws **(D)**,
- put the foot plate in the position wanted
- and retighten the screws.







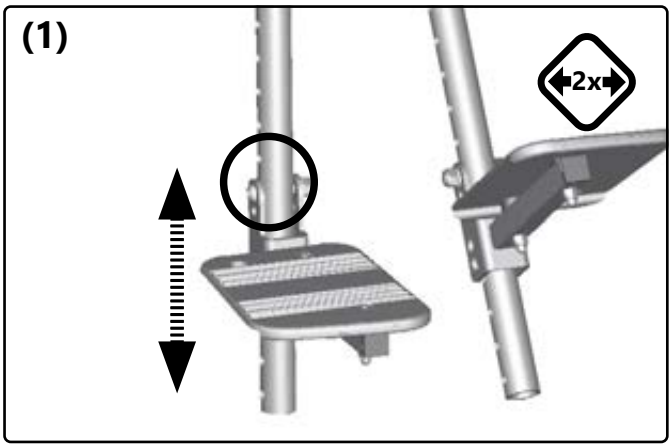


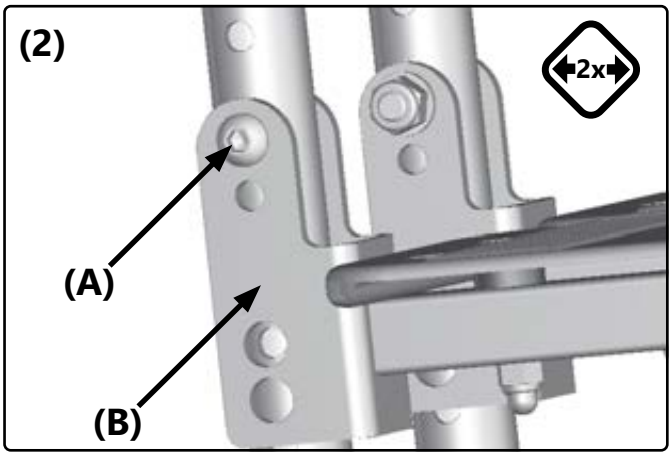


3.5.2 Divided Footplate, angle-adjustable, foldable and height-adjustable

Adjust height:

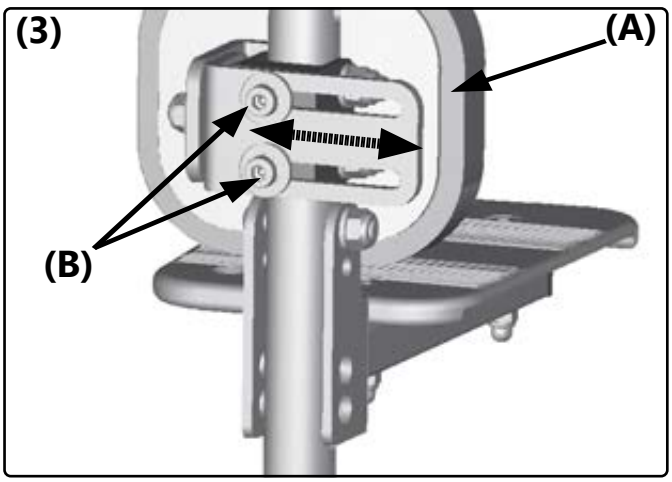
To adjust the height of the divided footplate, please loosen the M6 hexagonal screw **(2A)**. Please bring the footplate holder **(2B)** to the desired height and tighten the hexagonal screw including the opposite nut.





3.5.3 Calf pad adjustment

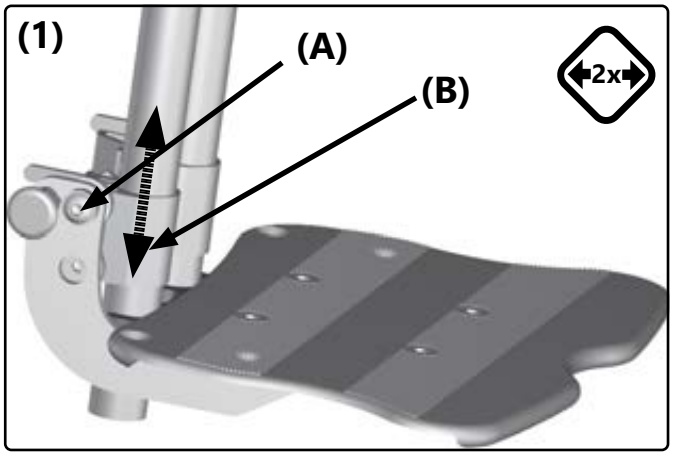
The calf pad **(3A)** can be adjusted horizontally. To do this, loosen the hexagon screws **(3B)** and slide the calf pad into the desired position. Retighten the hexagon head screw.



3.5.4 Continuous foot plate, angle adjustable, foldable and height adjustable

Adjust height:

To adjust the height of the continuous foot-plate, please loosen the M6 hexagonal screw **(1A)**.
Please bring the footplate support **(2B)** to the desired height and tighten the hexagonal screw including the opposite nut.



3.6.1 Side guards

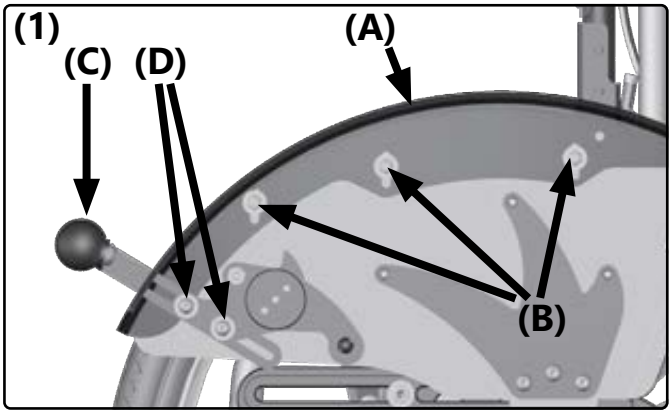
The side guards on the Mio Move cannot be changed.

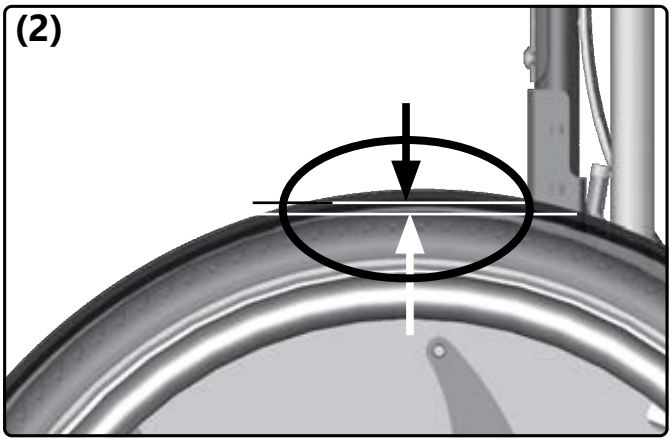
Adjusting the skirt guard
(1) The skirt guard **(A)** can be adjusted in height:
- Loosen the screws **(B)** on both sides,
- set the height of the skirt guard **(A)**
- and retighten the screws **(B)**.

(1) If necessary, the length of the brake lever **(C)** needs to be adjusted to the new position of the skirt guard:
- Loosen the screws **(D)** on both sides,
- align the brake lever **(C)**
- and retighten all of the screws **(D)**.

Afterwards, be sure to check the functionality of the brake!

⚠ **(2)** Keep the distance between skirt guard and tire as small as possible. The child should not be able to put its fingers in between.





3.7 Assembly group brake

3.7.1 Wheel lock

⚠ Wheel locks only serve the purpose of putting the wheels in a resting position. They are not made to brake the wheelchair while driving.

⚠ Be sure to check the functionality of the brakes after every adjustment on the rear wheels.. The wheelchair with passenger (max. load capacity) must stand securely, with drawn brake, on a ramp with a 12,3% (= 7°) decent.

The maximum distance between the brake pressing bolt and the tires, with opened brake, is as follows:

Standard KLB	21mm
Pull to lock brake	11mm
KLB with rollback blocking	about 10mm
cable brake	6mm

(technical changes reserved).

3.7.2 Cable brake

(1) The wheel lock consists of:

- **(A)** brake pressing bolt,
- **(B)** brake lever (if applicable with extension),
- **(C)** adjustment screws.

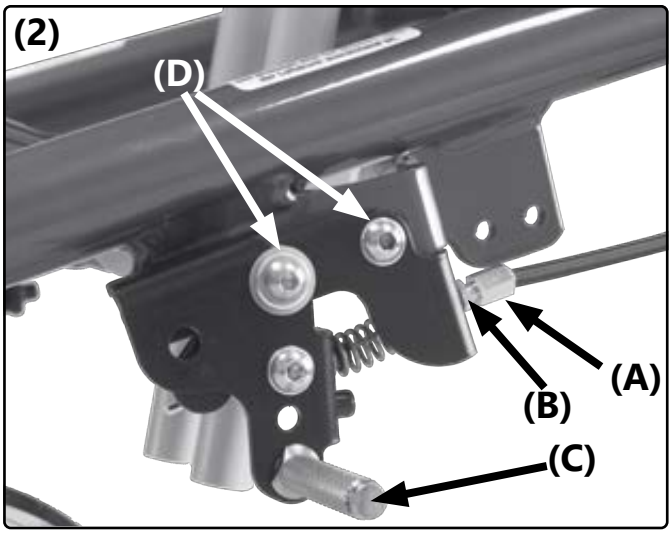
(2) To retention the cable control

- loosen the locking nut **(A)**
- and turn the setting screw **(B)**:
- clockwise = tighten,
- counterclockwise = loosen.
- Afterwards, retighten the locking nut **(A)**.

(2) In order to change the distance between the brake pressing bolt **(C)** and the driving wheel:

- Loosen both screws **(D)**,
- move the whole brake pad ,while the brake is open, in the new position
- and retighten the screws **(D)**.

⚠ Afterwards, check the functionality of the brake.

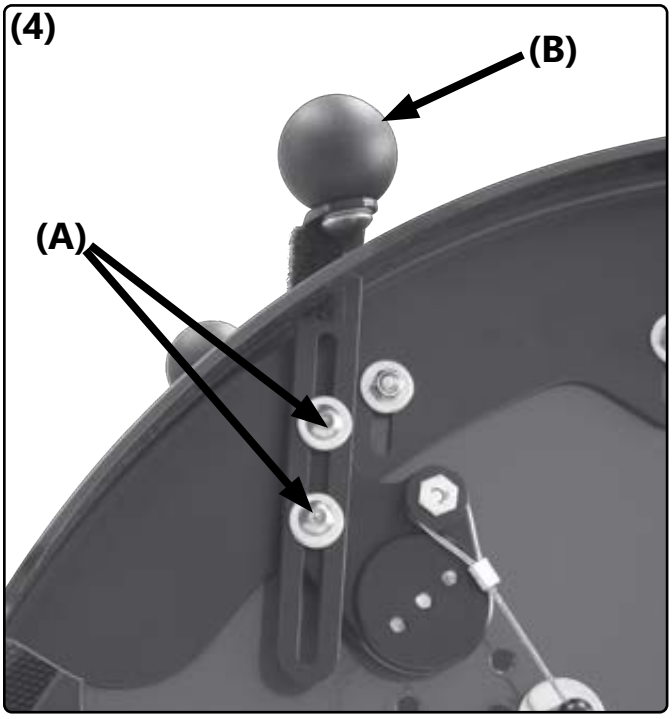


3.7.3 Setting the length of the brake lever

(4) In order to set the length of the brake lever:

- Loosen both screws **(A)**, if necessary, on both sides,
- align the brake lever **(B)**
- and retighten all the screws **(A)**

⚠ Afterwards absolutely check the functionality of the brakes! The wheelchair with occupant (maximum load) must stand securely with the brakes applied on a ramp with a gradient of 12% (= 7 °).



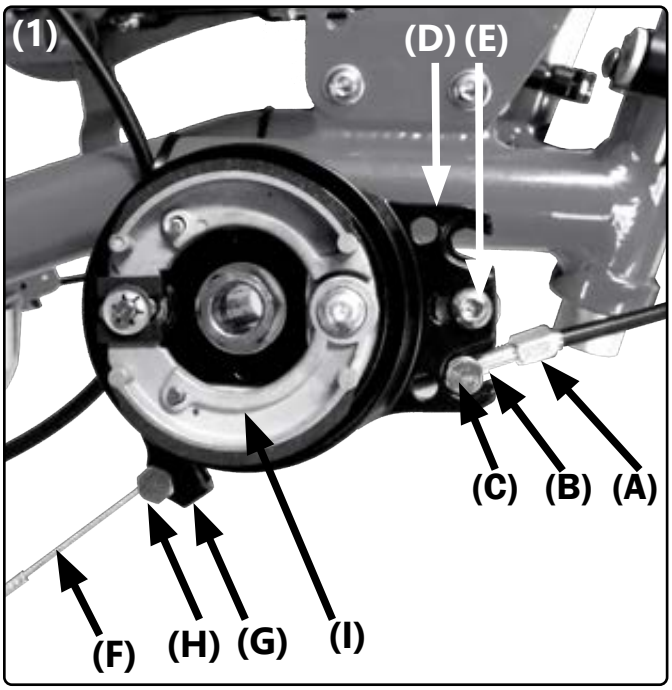
3.7.4 Drum brake

The brake force of the drum brake is set ideally by our mechanics.

⚠ For safety reasons it is necessary to regularly check the functionality, since through permanent use an adjustment of the brake force or even a replacement of a Bowden cable can be essential.

(1) The following parts of the drum brake are crucial for adjusting the brake force:

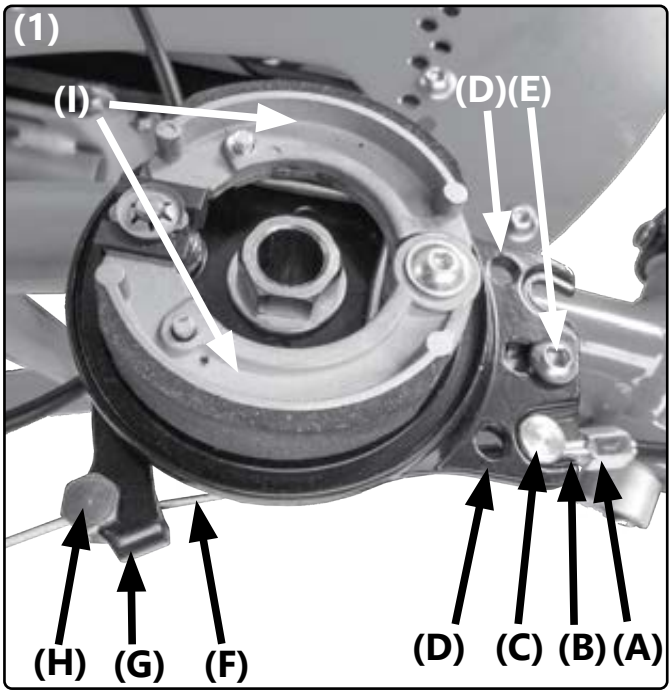
- setting screw **(A)**
- locking nut **(B)**
- push-on nipple **(C)**
- holder **(D)**
- holder screw **(E)**
- inner cable **(F)**
- locking lever **(G)**
- clamp **(H)**
- brake shoe **(I)**



3.7 Assembly group brake

(1) To Install the Bowden cable:

- Place the push-on nipple **(C)** with the setting screw **(A)** and the locking nut (B) at the bottom end in the holder **(D)**,
- guide the inner cable **(F)** through the clamp **(H)**,
- place the clamp **(H)** in the locking lever **(G)** and
- push the locking lever **(G)** slightly forward toward push-on nipple **(C)**, so that a slight pull between clamp and push-on nipple occurs.
- Tighten the clamp **(H)**.
- Put the wheel back on and check if the brake shoes **(I)** already grind against the brake pad.
- For this, jack up the wheelchair or tilt it to the side. The wheel must be able to turn unhindered.
- Should the brake shoes **(I)** grind (without using the control lever), loosen the clamp **(H)** and
- give the locking lever **(G)** more room.
- After, retighten the clamp **(H)**.



To set the brake force:

- remove the locking nut **(B)** on the setting screw **(A)**,
- tighten or loosen the inner cable **(F)** by turning the setting screw **(A)**,
- test the traction on the control lever and
- retighten the locking nut **(B)**.

Possible impairments of the brake force can occur from:

- wrongfully adjusted traction of the Bowden cables,
- defected Bowden cable,
- dirty brake pads/brake shoes.

⚠ The wheelchair with passenger (max. load capacity) must stand securely, with drawn brake, on a ramp with a 12,3% (= 7°) decent.

3.8 Assembly group anti-tipper

3.8.1 Adjust height

(1) The anti-tipper consists of 4 parts: Anti-tipper holder **(A)**, foot lever **(B)**, anti-tipper wheel **(C)** with holder and the anti-tipper bail **(D)** which can be pulled down and turned 180° (partly sticking in the anti-tipper holder).

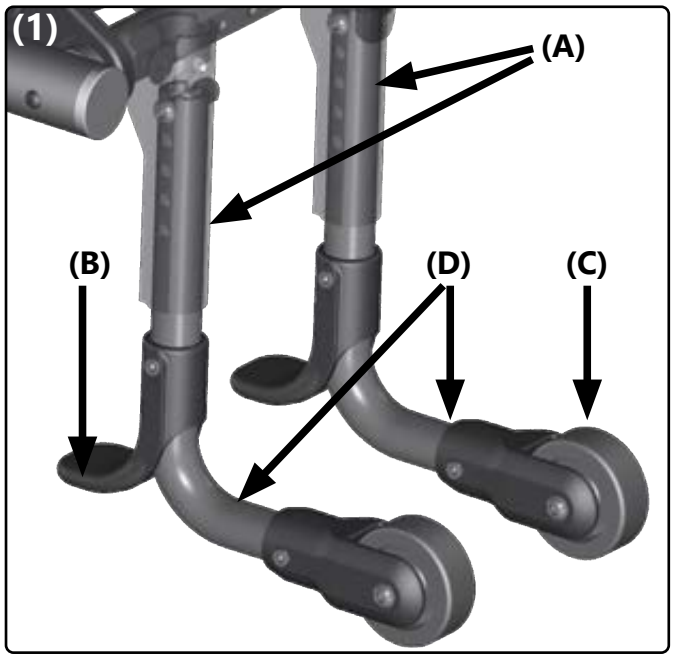
(2) The height of the anti-tipper can be changed by the screw **(A)**:

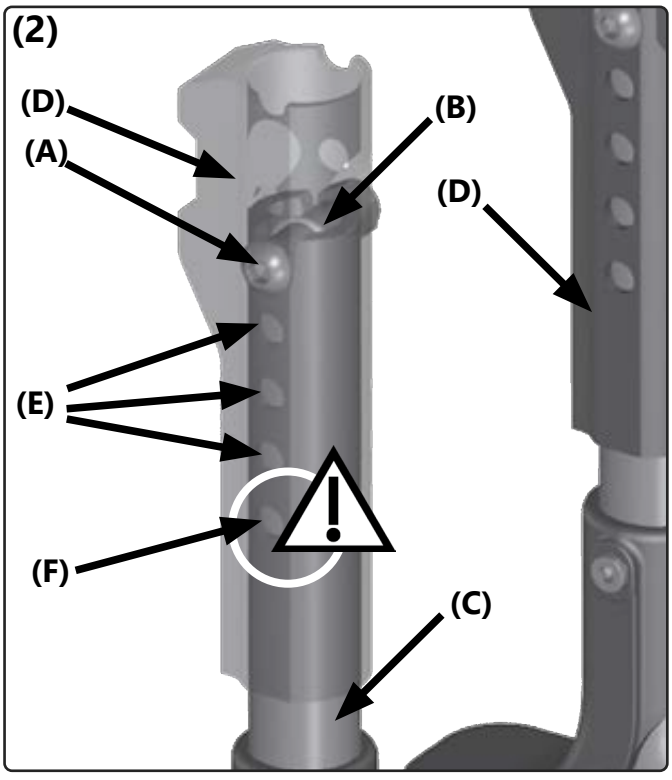
- Remove the driving wheels,
- remove the screws **(A)** and the case **(B)**,
- displace the anti-tipper bail **(C)** in the holder **(D)** in the position wanted **(E)**,
- replace the case **(B)** and the screw **(A)**
- and retighten the screw.

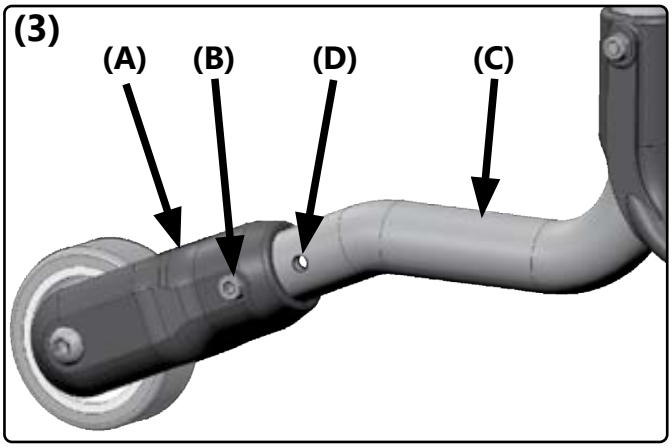
⚠ The bottom hole **(F)** is design related and cannot be used. The anti-tipper bail could slide out of the holder when turning/ activating the anti-tipper.

(3) If the wheelchair if set very active and the activated anti-tipper sticks out too far back, then the anti-tipper bail can be shortened.

- Remove the screw **(B)**
- remove the anti-tipper wheel and the holder **(A)**,
- shorten the anti-tipper bail **(C)** with a saw to the length wanted,
- place the anti-tipper wheel and the holder back on the anti-tipper bail **(C)**,
- place the screws **(B)** in the hole **(D)**
- and tighten the screw **(B)**.





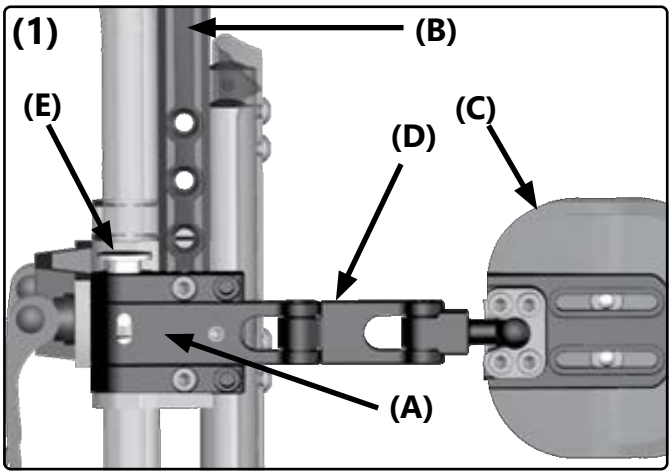


3.9 Assembly group truss pads

3.9.1 Classification

(1) The truss pads consist of the following parts:

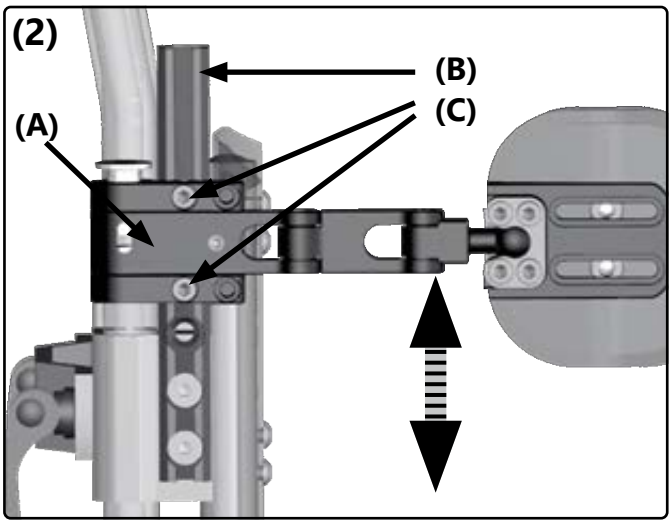
- **(A)** locking joint
- **(B)** connection (C-bar)
- **(C)** truss pad cushion
- **(D)** truss pad holder



3.9.2 Vertical setting

(2) The vertical setting of the truss pads occurs on the one hand by moving the locking joint **(A)** along the c-bar **(B)**:

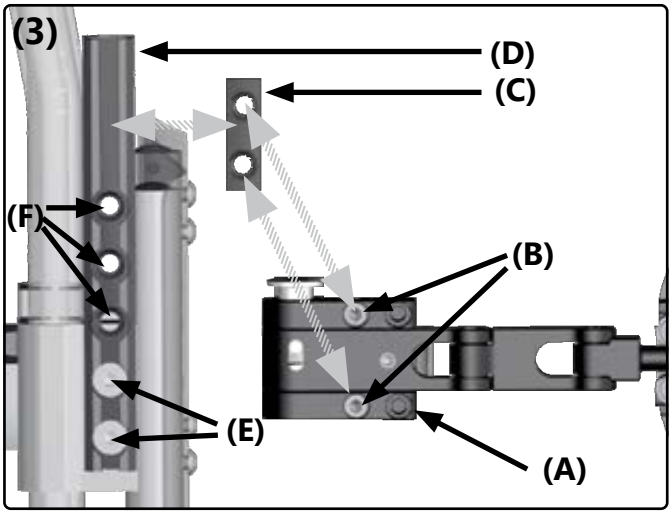
- Loosen both screws **(C)**,
- move the locking joint **(A)**,
- and retighten the screws **(C)**.



(3) The locking joint **(A)** is, through the connection with the metal tongue **(B)**, jammed into the c-bar **(D)** with both screws **(C)**.

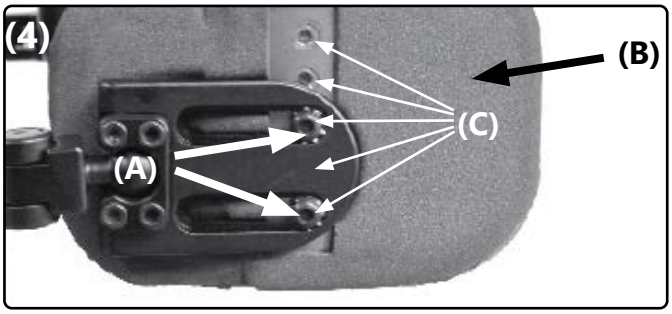
(3) On the other hand, the truss pads can be adjusted by moving the c-bar **(D)** along the back tube holder:

- Loosen, if necessary, both screws **(B)** and slide the truss pad holder **(A)** out of the c-bar **(D)**.
- Remove the screws **(E)**
- and displace the c-bar **(D)** along the alternative holes **(F)**,
- replace the screws **(E)**
- and retighten them.
- Then, slide the truss pad holder **(A)** in the c-bar **(D)**,
- place it to the height wanted
- and retighten the screws **(B)**.



(4) Additionally, with truss pad size II the height can be adjusted be displacing the cushions:

- Remove the cover,
- remove both screws **(A)**,
- displace the cushion **(B)** in the alternative holes **(C)**,
- replace both screws **(A)**
- and retighten them.
- After, replace the covers.



3.9.3 Horizontal setting

(1a+b) The horizontal setting occurs on the one hand by displacing the locking joint.

- Remove both screws **(A)**,
- place the locking joint in the alternative holes **(B)**,
- place the screws **(A)** in the metal tongue (picture **3C**, last page),
- set the height
- retighten the screws **(A)**.

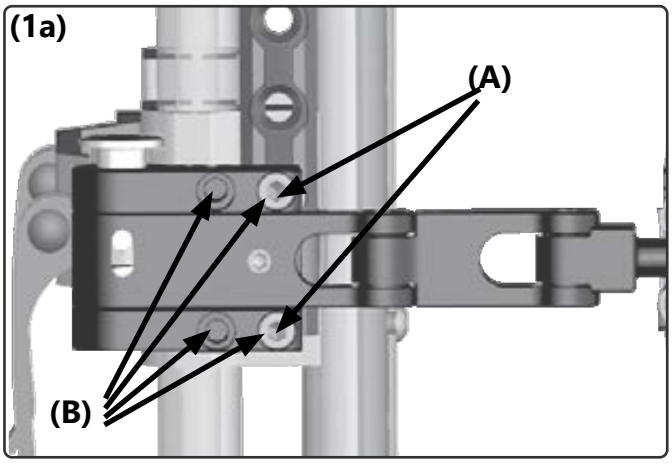
(2) On the other hand, it can occur by displacing the cushions:

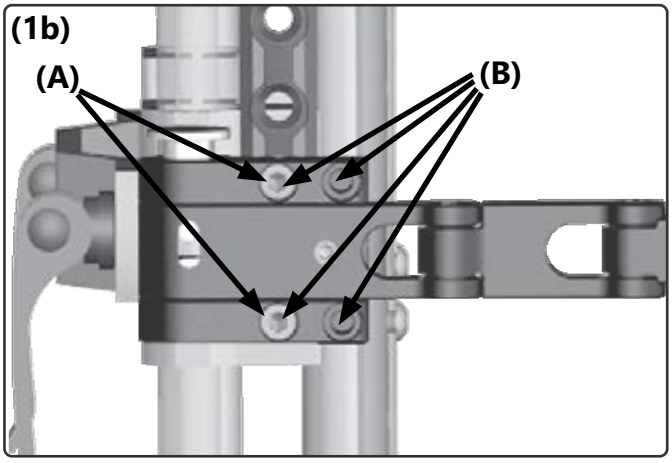
- Remove the covers,
- loosen the screws **(A)**,
- displace the cushion
- and retighten the screws **(A)**.
- After, replace the covers.

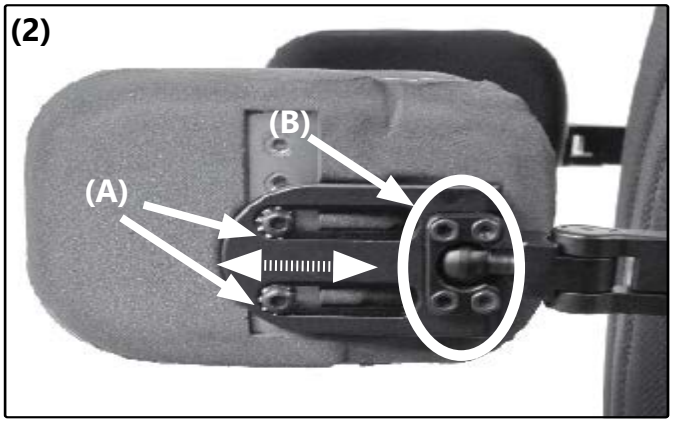
Horizontal extension

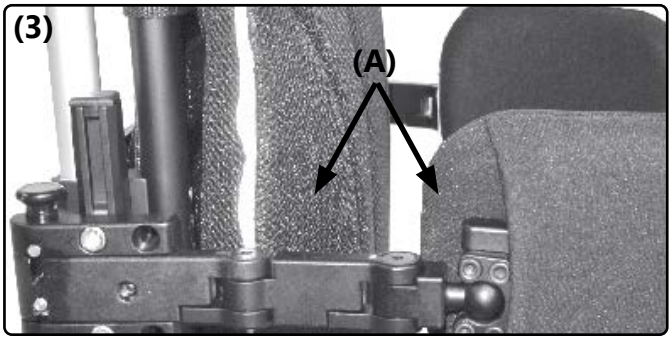
(3) For the horizontal extension add a extension piece (spare part):

- Remove the screws **(A)**,
- add the extension piece
- and screw it together on both ends.







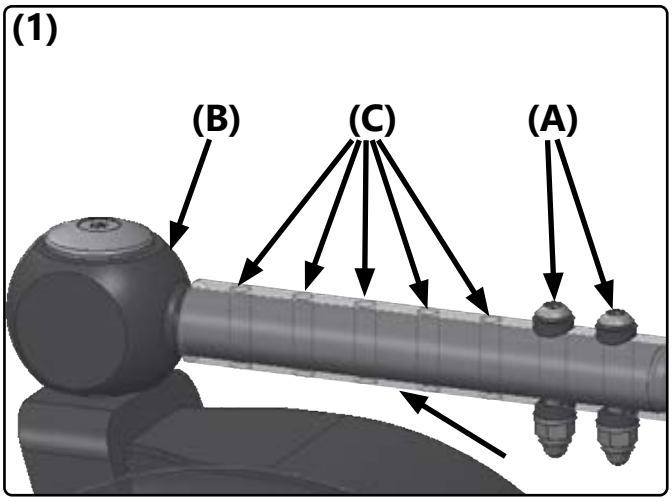


3.10 Assembly group outdoor front end

3.10.1 Settings

Length of the Outdoor Front End
With the length of the Outdoor Front End you can set the driving and pushing comfort:

- long Outdoor Front End = very strong absorption of vibrations, very soft driving comfort, less driving and pushing strain, big turning circle.
- short Outdoor Front End = good absorption of vibrations, less driving and pushing strain, good for active driving, small turning circle.

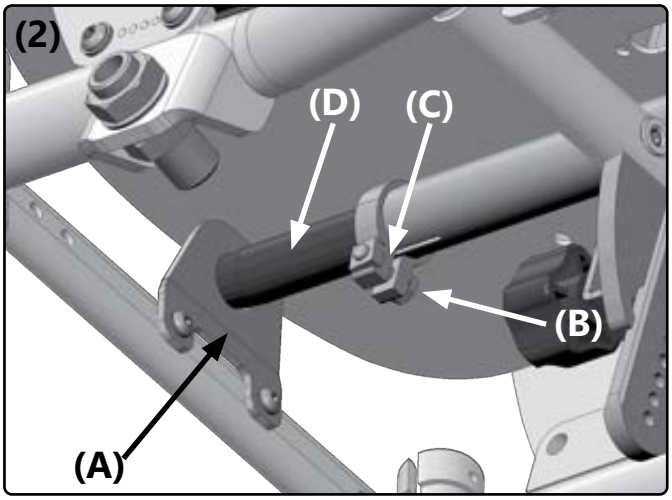


(1) In order to extend the length:

- Remove both screws **(A)**,
- displace the front part **(B)** of the Outdoor front endtogether with the screws **(A)** to the holes **(C)** forward or backward
- and retighten the screws **(A)**.

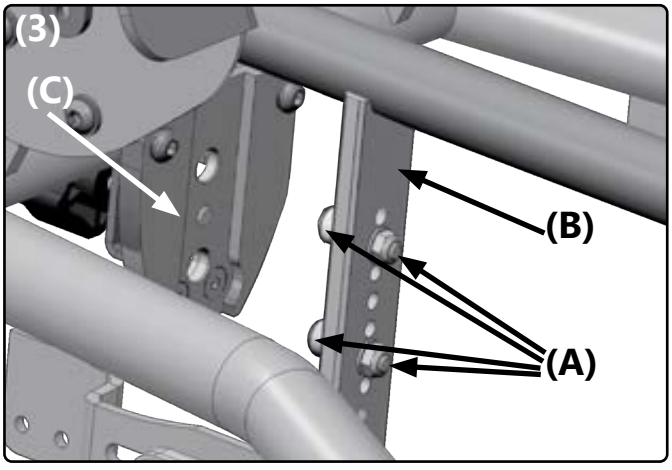
The holes have a distance of 20 mm between each.

⚠ The front part **(B)** of the Outdoor front end must always be fixated with both screws **(A)** in the extension rod **(D)**.



(2) In order to fine adjust the length and to make sure that the Outdoor front end is firmly in the holding plate **(A)**:

- Mount the Outdoor Front End on to the wheelchair,
- loosen the screws **(B)** of the clamp **(C)**,
- guide the end of the conical tube **(D)** from the front in the holding plate **(A)**
- and retighten the screws **(B)** in the clamp **(C)**.



Height of the Outdoor Front End
(2) To adjust the height:

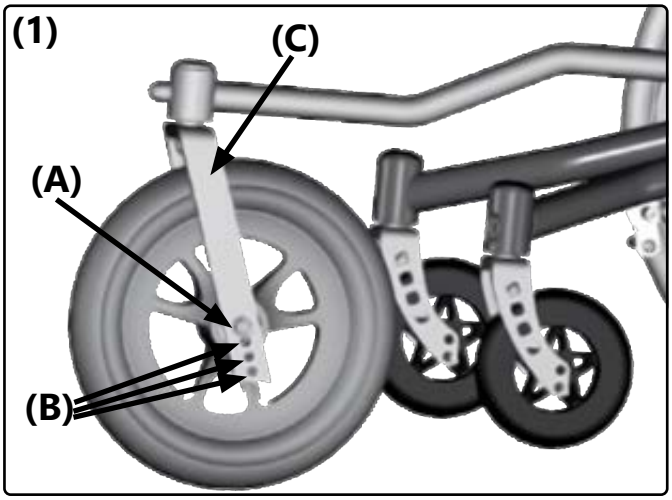
- Place the end of the conical tube **(D)** from the front in the holding plate **(A)**,
- **(3)** then guide the height adjustment **(B)** until it stops on the holding plate **(C)**
- and remove both screws **(A)** of the height adjustment **(B)**.
- Displace the screws **(A)** along the holes of the height adjustment in to the position wanted
- and retighten the screws **(A)**.

3.10 Assembly group outdoor front end

Adjusting the height by the caster:

- **(1)** Remove the axis **(A)** of the big caster,
- displace the caster in the wanted hole **(B)** of the fork **(C)**
- place the axis back on and retighten all screws.

⚠ With this, the tipping dynamics of the wheelchair and the follow-up of the big wheel are strongly affected, which can lead to unwanted swerving when driving around curves (but at the same time can also be a form of track fixation).



4 Repairs/maintenance/reinstatement

4.1 Repairs

⚠ Repairs are to be done by your specialized retailer.

4.2 Spare parts

Only original spare parts can be used! They are available at your medical supply store.

The spare parts list can be downloaded at www.sorgrollstuhltechnik.de or can be requested directly from us.

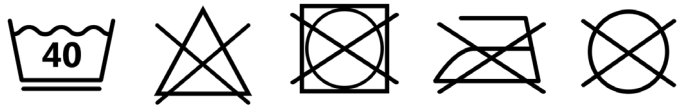
For a correct delivery of spare parts the appropriate serial number of the wheelchair is to be stated. You will find the number on the type label on the wheelchair's frame.

4.3 Maintenance

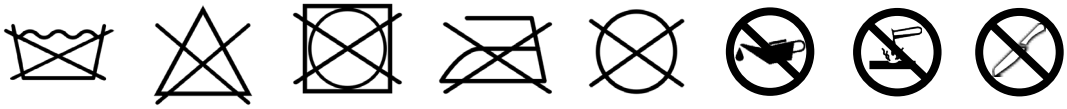
Clean the wheelchair and all components regularly with a mild household water-based cleaner and then dry it thoroughly.

In addition, clean the rear wheels and the casters and free the axles of dirt and impurities e.g. hair etc.).

Wash textile parts:
care directions:



Wipe off pleather, straps and other upholstery:
Care directions:



4.4 Disinfection

Before each disinfection the parts should be cleaned off first. For disinfection use a household water-based agent. Observe the instructions of the respective manufacturer.

4.5 Storage

- Carry out cleaning
- Fold foldable wheelchair (if available)
- Adjust seat tilt to 90° (if available)
- If necessary, pack removable textile parts in foil or similar
- Secure the wheelchair from rolling away and getting dirty
- Store in a dry environment without aggressive environmental influences.

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.

Checklist maintenance and care (user)

⚠ 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

Check:
☐ 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.

Oiling:
☐ moving parts and bearings oiled

Final check:
☐ functional check of all mechanical adjusting devices carried out.

5.1 Data and measurements

Model: Mio Move
Type: 604
German Aid Indix Nr.: 18.99.02.1020

All measurements ±5%

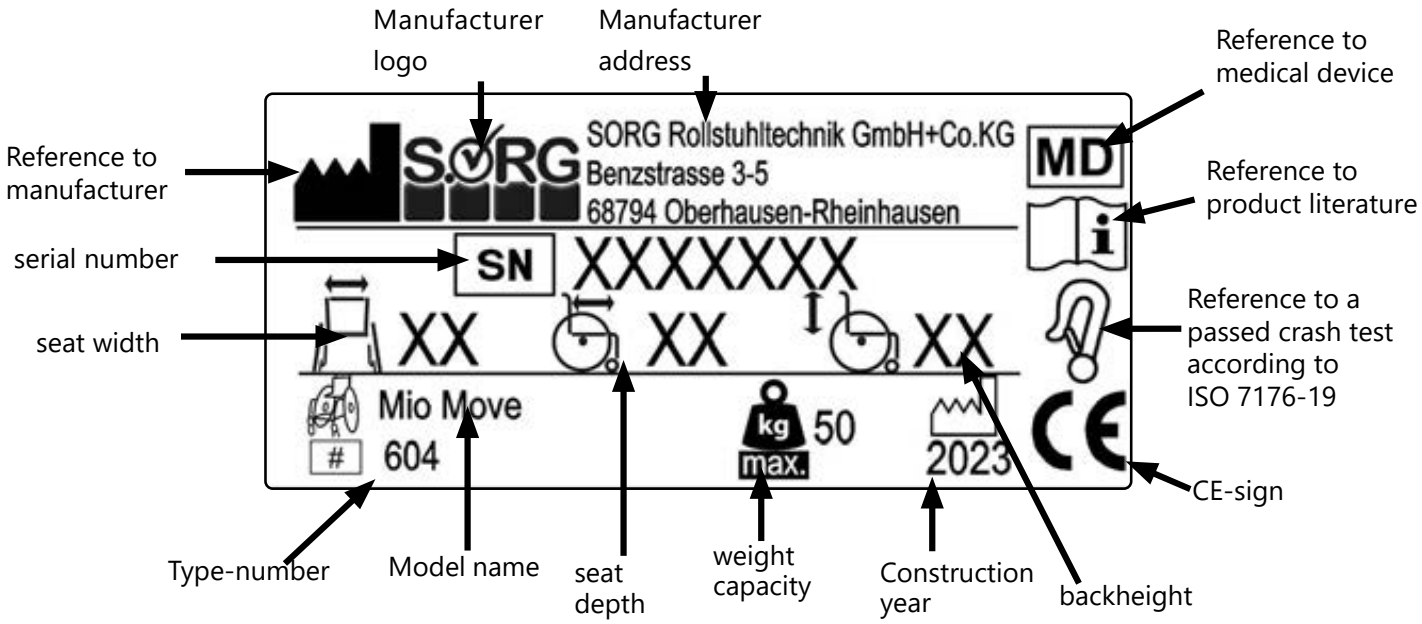
Indication	Measurements		Comment
seat width (SW)	20-mm-intervals	180 to 340 mm	+20 mm growable
seat depth (SD)	20-mm-intervals	180 to 360 mm	± 30 mm growable
back height (BH)	50-mm-intervals	250 to 450 mm	+50 mm growable
diameter hand rim		Ø 19 mm	Pipe diameter
camber	9°, optional 7° or 11°		opt. auch 7° orr 11°
armrest height	ca. 200 mm		
Seat height (SH) with horizontal seat and horizontal frame	wheel 20“ Caster 4“/5“	375 mm	without cushion
	wheel 22“ Caster 4“ - 5“	390 mm	without cushion
	wheel 24“ Caster 4“ - 5“	425 mm	without cushion
diameter hand rim	20“ 22“ 24“	444 mm 481 mm 533 mm	
ETRTO wheel size 20“	451 mm	Commercially available pneumatic tires in the sizes 1 "(25.4mm), 1 3/8" (35mm) - sizes 355 mm (20 "), 451 mm (22"), 540 mm, (24 ") All puncture-proof tires in the mentioned dimensions.	
ETRTO wheel size 22“	489 mm		
ETRTO wheel size24“	540 mm		
Wide wheelchair absolutely	min. max.	SB + 320 mm, SB + 370 mm	
Length of wheelchair absolutely without push handles	at 20“ ati 22“ at 24“	656 mm 716 mm 780 mm	
Height of wheelchair absolutely without push handles	min. max.	620 mm 990 mm	
Height when folded back	min. max.	475 mm 525 mm	Seat mounted in lowest position
back angel	78 - 126°		
turning circle	min. 1000 mm	bat 20 "wheels	depending on the size of the wheelchair
empty weight min. with SW 20, ST 200 mm, 20“ wheels, 4“ PU casters	14.1 kg	equipped with: frame, rear wheels, hand rims, casters, parking brake, foot plate, side guards, clothes guards and anti-tipper.	
casters:	4“, 5“	transparent with LED, solid rubber black with aluminum rims, polyurethane grey with synthetic rim	
tire pressure:	Information on the tire casing - generally (6-8 bar)		
wheels	standard wheels, light weight wheels	optional light weight-drum brake-wheels	
support point	back frame tube		
heaviest piece:	rear wheel 1,2-2,2 kg		
load capacity (max.)	50 kg		
length of use of the wheelchair	3 years	at not excessive demand	
life cycle of the wheelchair	5 years		
Normative requirements	The wheelchair meets the requirements of ISO 7176-8 and the requirements against ignition.		

5.2 Meaning of labels

The meaning of the individual labes is explained in the texts at the respective place.

If the type plate is damaged or gets lost, a new one can be ordered from SORG Rollstuhltechnik.

Type plate:



5.3 Declaration of conformity

SORG Rollstuhltechnik declares that the product Mio Move 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.

CE

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

Your notes

company stamp

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