EN

Jump gamma

Service Record

The following lists all individual adjustments made to this wheelchair. These adjustments require tools and specialist knowledge. Please have these adjustments made by a qualified specialist rehabilitation device consultant.

MADE IN GERMANY

Unique people, unique solutions.

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

Tel.+49 7254-9279-0
Fax +49 7254-9279-10
E-mail info@sorgrollstuhltechnik.de
Web www.sorgrollstuhltechnik.de

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2025-10-29

Technical status
Subject to technical changes and printing errors. The images in this Instruction Manual may differ from the actual individual equipment components. It must be operated correspondingly.

Treatment of pronouns
Generally, we use the masculine pronouns "he" and "him", but when doing so, we include all genders. Das inklusive Maskulinum erlaubt geschlechtsneutrale Aussagen (analog zu Wörtern wie Mensch, Person oder Kind) und wird verwendet, wenn das Geschlecht der bezeichneten Personen keine Rolle spielt.

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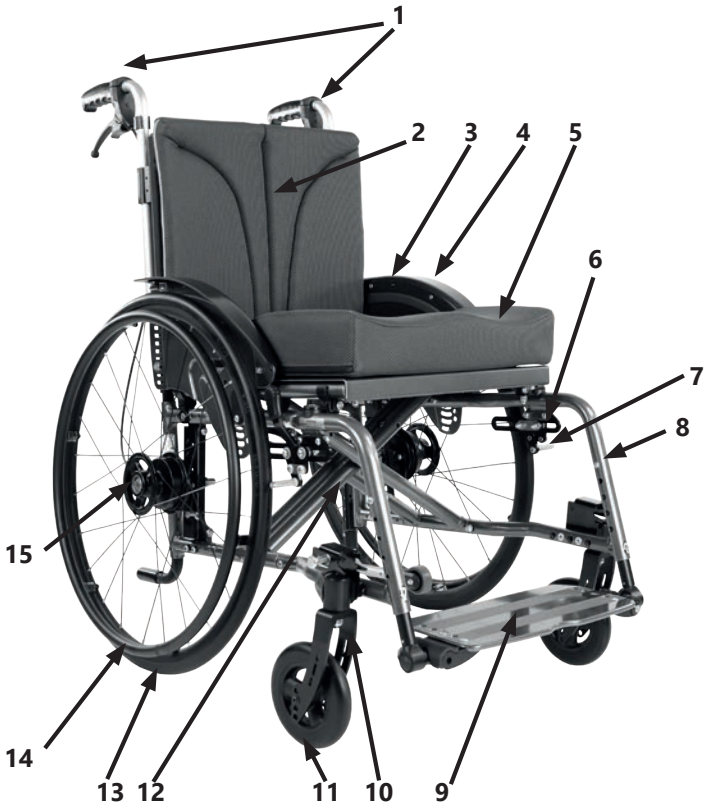


1Push handles
2Back
3Side part
4Skirt guard
5Seat cushion
6Parking brake (knee lever brake)
7Brake pin
8Sport frame with built-in front rigging
9Footplate (full-width)
10Caster fork
11Caster
12Cross-bar
13Rear wheel
14Handrim
15Quick-release axle
16Quick-release axle

Jump gamma overview - BSA frame

1Push handles
2Back
3Side part
4Seat cushion
5Raisable and swivelling front rigging
6Legrest
7Footplate
8Parking brake
9Caster forks
10Caster
11Anti-tipper
12Rear wheel
13Handrim
14Quick-release axle

2 General information

2.1 General indications

The following lists all individual adjustments, repairs and annual inspections of the wheelchair. These require tools and specialist knowledge. Please have these adjustments done by a qualified specialist dealer.

Adjustments which can be made by your companion are described in the Instruction Manual.

If you have any questions or remarks, please contact your dealer or our Team (+49 7254 9279-0).

2.2 Documentation indications

Please note:

- User instructions can be found in the Instruction Manual
- Maintenance information can be found in: Chapter 4 (Repairs & maintenance)

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)
- Quick-release axle fitting 40 Nm

Required tools:

- Torque wrench (5-50 Nm)
- Spanner
- Ratcheting wrench with socket set
- Allen key screwdrivers
- Phillips screwdrivers
- Flat-blade screwdrivers
- Rubber mallet
- Side cutter
- Liquid thread sealer
- Biycle tyre repair kit
- Work bench/vise with plastic jaws

2.4 Explanation of symbols

CAUTION! Warning concerning personal safety aspects of utmost importance

CORRECT safety-related adjustment/use

INCORRECT adjustment/use

PROHIBITED

See additonal/related literature.

Important detail/element

Correct/intended adjustment/use

Prohibited/erroneous adjustment/use

See detail arising from text

(A); (B)

Use

Pushing/pulling/inserting/shifting/retrieving

Push in specific direction

Adjust angle

Open/close

Turn clockwise

Turn counter-clockwise

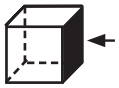
Steps to be performed simultaneously on both sides

Steps to be performed in order

Steps to be performed on both sides

Viewing angle

Viewed from above



Viewed from the side

Viewed from below

Viewed from the front

Viewed from behind

Mount part

Remove part

2.5 General safety instructions

⚠ **Check the following before every use:**
- frame, back tubes, attachments and accessories for visible damage, bends, cracks or missing/loose screws,
- wheels/quick-release axles for tightness,
- sufficient tyre pressure and tread,
- brakes for proper function,
- whether angle adjustment elements/eccentric tensioners are firmly fitted,
- whether seat plate/back/footplate are properly locked,
- anti-tipper/seat and back strap function,
- whether all previously removed parts have been inserted and locked again.

⚠ There is a risk of injury (e.g., crushing) from all rotating, swivelling, or folding parts, including during adjustment and repair work as well as transport.

⚠ All wheelchairs must be treated properly. Do not throw or drop removable parts!

⚠ Before inspection, repair or adjustment work clean/disinfect the wheelchair and secure it against tipping and/or falling.

⚠ Only use original spare parts.

⚠ Self-locking nuts may only be used once. Once removed, self-locking nuts must be replaced.

⚠ Our manufacturer's warranty only applies if all relevant parts on the wheelchair have been maintained by a qualified rehabilitation device shop. This also protects your wheelchair from damage.

⚠ If your wheelchair was dispatched without rear wheels and/or has third-party wheels mounted, your specialist dealer is obliged to check and, if needed, adjust settings relevant to safety such as brake function and casters (e.g. castor).

Service life

⚠ Usage beyond the listed service life increases residual risks and should only be allowed following qualified assessment by the user. If the end of the service life is reached, the user or custodian should contact a specialist dealer. There, they can discuss the possibility of refurbishing the product.

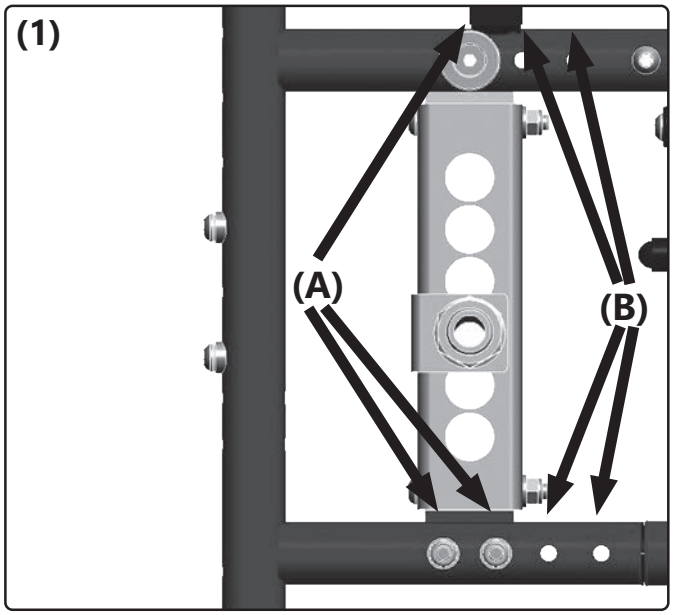
Combination with products from other manufacturers.

⚠ This wheelchair may only be combined with electric add-on motors which were approved by the manufacturer. In such a case, limitations and adaptations as well as the installation itself are the responsibility of the add-on motor's dealer or commissioned specialist dealer. Please ask the manufacturer about requirements for add-on motor installation.

⚠ Combining a wheelchair with an electric add-on motor results in additional stress which can damage your wheelchair. Only approach obstacles slowly and drive over them carefully to minimise the forces acting upon casters, rear wheel and the wheelchair overall.

3.1.1 Centre of gravity (wheelbase/perforated plate)

(1) To adjust the centre of gravity
- remove both rear wheels,
- remove all screws **(A)** and nuts,
- relocate the perforated plate onto the alternative holes **(B)**.
- This must be done equally on both sides.
- Reinsert the screws and nuts and tighten them.



⚠ Following any changes to the rear wheels, you must readjust the parking brake.

⚠ Carefully approach the maximum and user-requested (!) point of tilt.

⚠ The further the casters are moved back, the more the wheelchair will tend to tilt forward when entering and exiting.
The further the rear wheels are mounted forward on the perforated plate, the more the wheelchair will tend to tilt back.

When adjusting the seat tilt, please make sure that the gripping point and path are not compromised by the rear wheels sitting too high.

3.1.2 Seat height in front

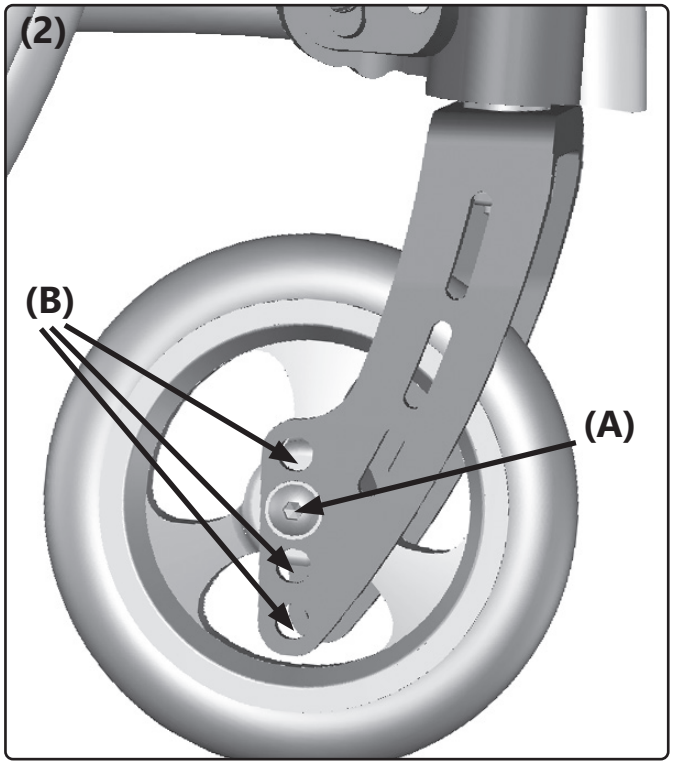
(2) The front seat height is adjusted via the caster's position in the caster forks.

- Completely unscrew casters and caster forks **(A)**,
- Insert both casters into the desired hole **(B)**,
- thoroughly tighten all screws.

Following every change, you must check and, if needed, readjust the vertical steering stem angle (see Chapter on Steering stem angle).

⚠ The casters' bearings attract hair, fluff, dirt etc. impairing their function. Remove the casters at short intervals and thoroughly clean forks, axles and bushings.

The same applies to plastic forks.

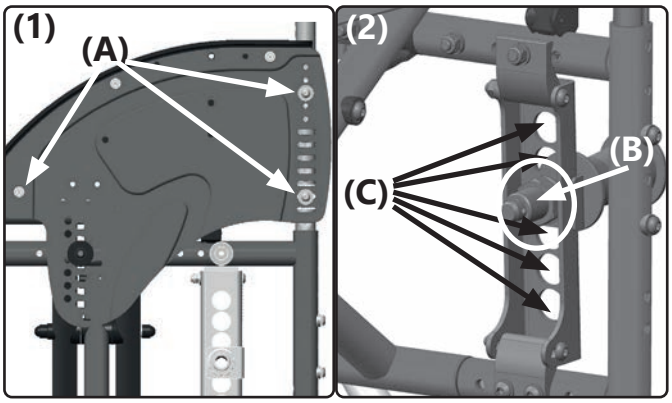


3.1.3 Seat height in back, seat slant

⚠ Following any changes to the rear wheels, you must check the parking brake's function and readjust the casters.

Usually, the rear seat height is chosen approx. 20-30 mm lower than the front one to allow for a safe and comfortable position with good pressure distribution and to prevent the user from sliding forward and falling out. However, other adjustments may become useful in individual situations.

- **(1)**If needed, remove the side parts/skirt guard using the screws **(A)**
- **(2)** Remove the quick-release axle fitting **(B)** including all discs,
- relocate the quick-release fittings with all its discs onto the alternative holes **(C)**
- and thoroughly tighten all screws. (Required torque for M18 fitting nuts 35 Nm).
- Install both side parts and insert the rear wheels back into the quick-release axle.



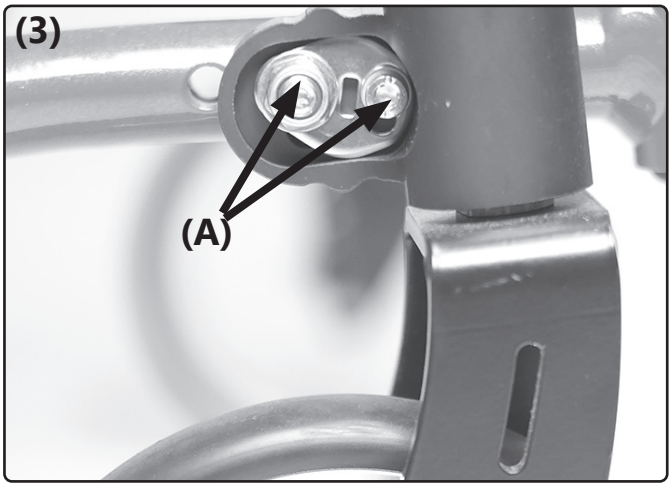
The fittings must project equally on the perforated plate on both sides. The fittings may only be screwed out so far that distance between the tyres' side walls and the side part is minimal, but at least 10 mm.

3.1.4 Steering head slant

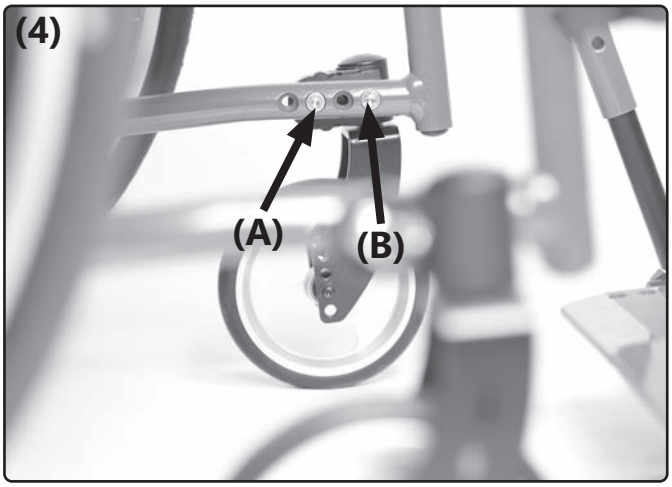
Following any changes to the rear wheels, you must readjust the steering stem angle.

To adjust the caster adapters:

- **(3+4)**loosen all screws **(3A)** on both sides(!),
- remove both **(4B)** screws.
- Use a flat-blade screwdriver on the adjustment disc **(4A)** to move the adapters into a precisely vertical position (apply a protractor).
- Thoroughly tighten all screws; screws **(3A)** to 9 Nm, screws **(4B)** to 7 Nm

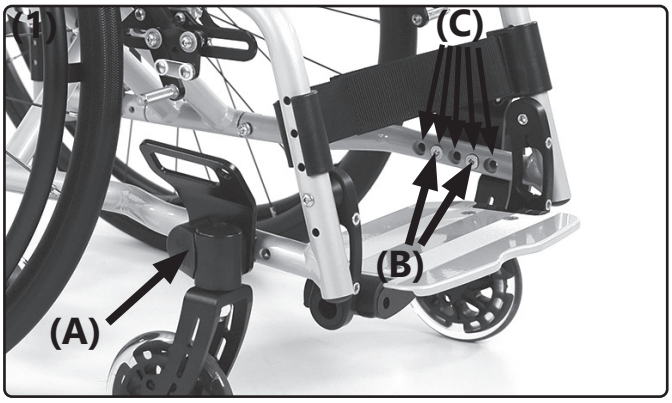


Incorrectly adjusted steering stem angle can lead to caster wobble and, when making turns, to annoying "rollercoaster" behaviour (thanks to the castor).



3.1.5 Replacing/ displacing the caster adapters and casters

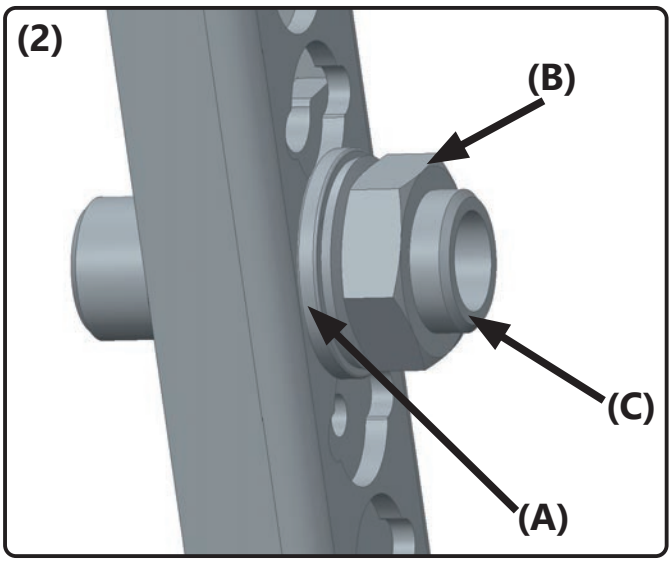
- **(1)**On both sides, remove the caps **(A)**,
- on both sides, remove all screws **(B)**
- if needed, also remove the distance pieces.
- Replace the caster adapters and/or relocate them to alternative holes **(C)**.
- Afterwards, adjust the steering stem angle as described in Chapter 3.1.4..



3.1.6 Camber

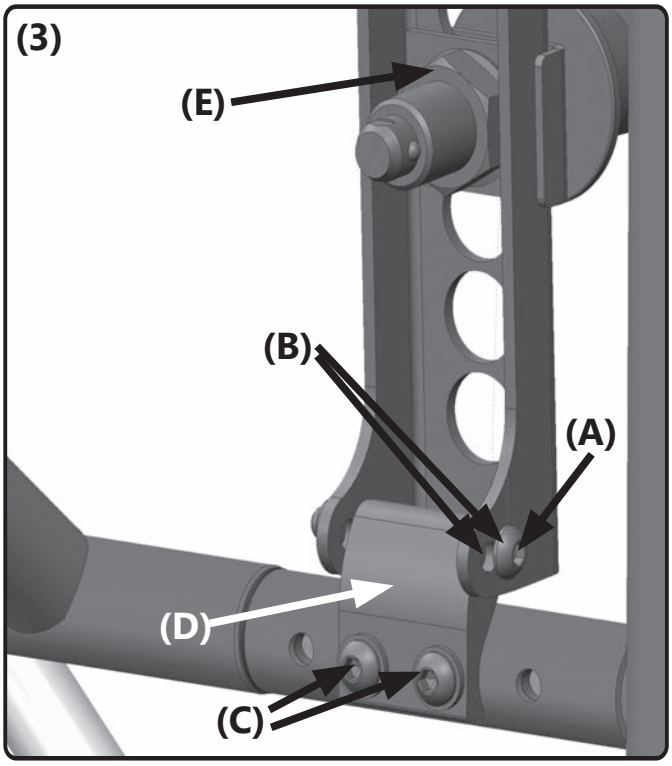
The camber has an effect on:
- lateral stability
- the shoulder-rear wheel position and
- the wheelchair's track.

(2) To avoid the so-called "eraser effect" we install the correct track alignment device in the factory **(A)**. If the camber is changed after purchase, the track alignment adapter **(A)** must be replaced with a suitable one (spare part).



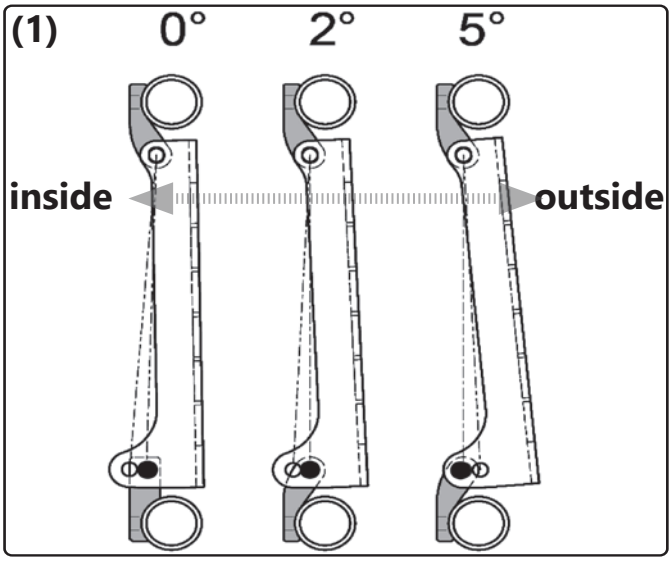
Adjusting the camber:
- **(3)**remove the rear wheels,
- remove screw connection **(A)** and relocate them to the alternative holes **(B)**,
- thoroughly tighten.

This adjustment may not be possible if you wish to extend your wheelchair's width as the quick-release axle fittings would have to be unscrewed too far.



Check/adjust the distance between the rear wheel and side part / skirt guard by inserting the rear wheel.

The tyre must be at least 10 mm from the side part / skirt guard. Make sure the distance is the same left and right!



(1) To screw in / unscrew the quick-release axle fitting:

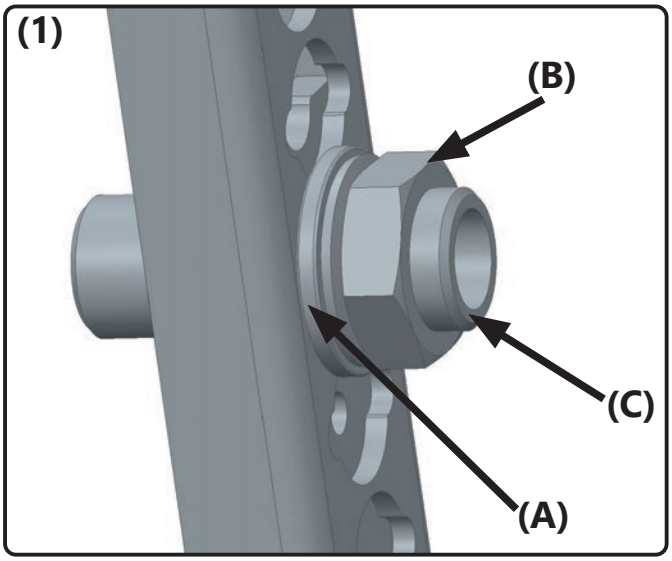
- unscrew the fitting's screw connection (including locknut on the inside),
- turn the complete fitting into the desired position and
- thoroughly tighten all screws (Torque required for M18 fitting nuts: 35 Nm).

⚠ Make sure to check the knee lever brake's function and, if needed, readjust it.

3.1.7 Rear wheel track balance

Depending on camber and attachment of steering or pushing aids, the wheelchair is dispatched with the correct toe-in. If the camber is changed or steering or pushing aids are installed after purchase, it may become necessary to change the toe-in.

(1) To avoid the so-called "eraser effect" we install the correct track alignment device in the factory **(A)**. If the camber is changed after purchase, the track alignment adapter **(A)** must be replaced with a suitable one (spare part).



To adjust the toe-in:

- remove the rear wheels,
- remove the screw connection **(B+C)**.

Depending on attachments and camber, please observe the instructions on the following pages.
Once you have changed the toe-in:

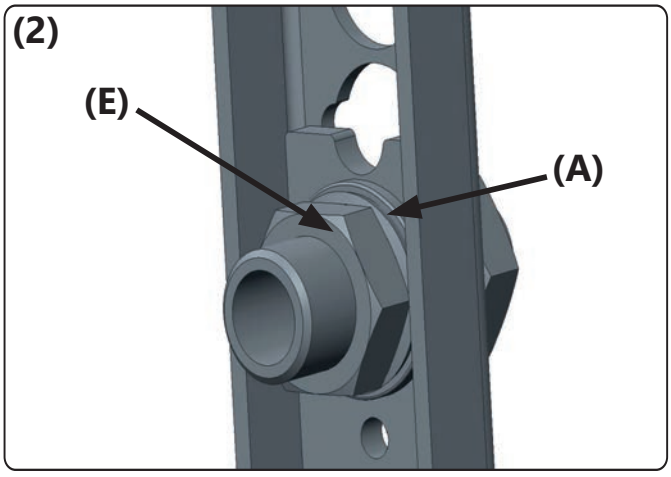
- Reinsert the screw connection **(B+C)** and thoroughly tighten the screws **(B)**.

Check/adjust the distance between the rear wheel and side part / skirt guard by inserting the rear wheel.

The tyre must be at least 10 mm from the side part / skirt guard. Make sure the distance is the same left and right!

(2) To screw in / unscrew the quick-release axle fitting:

- unscrew the fitting's screw connection **(B)** (including locknut **(2E)** on the inside),
- turn the complete fitting **(C)** into the desired position and
- thoroughly tighten all screws (Torque required for M18 fitting nuts: 35 Nm).

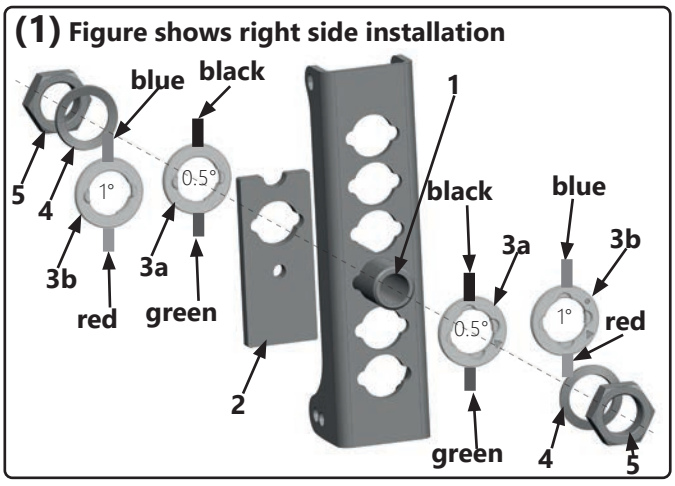


⚠ Make sure to check the knee lever brake's function and, if needed, readjust it.

Please note the colour-coded discs used to correctly adjust the camber.

(1+2) Installing the track adjustment device:

Pos.-No.	QTY	Name of item
1	1	M18*1, d=12 screw-in adapter
2	1	Perforated plate bracing
3a	2	0.5° Camber/toe-in disc
3b	2	1.0° Camber/toe-in disc
4	2	S18 lock washer (Schnorr type)
5	2	M18*1 SW24 nut

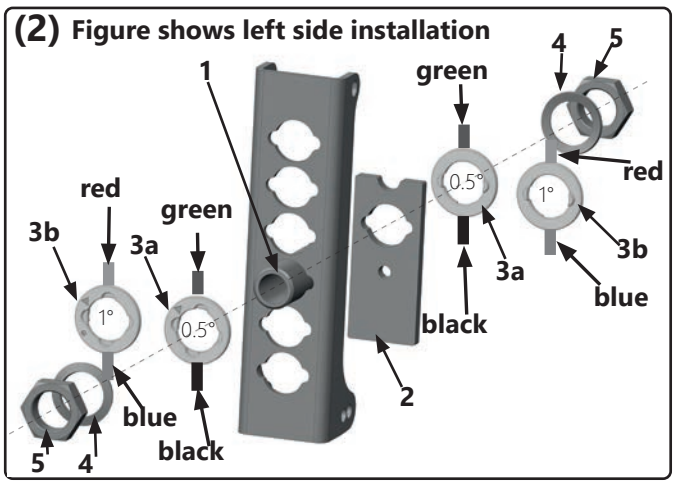


What disc for what adjustment:

Camber	Without seat tilt
0°	No track disc
2°	No track disc
5°	No track disc

Camber	Regular seat tilt (approx. 5°)
0°	No track disc
2°	No track disc
5°	0.5° track disc

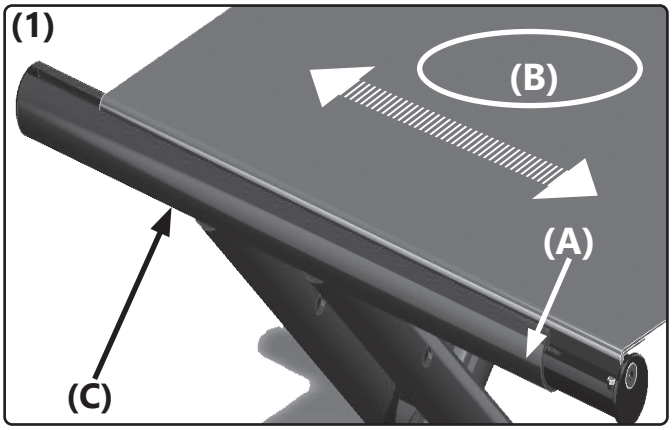
Camber	Strong seat tilt
0°	No track disc
2°	0.5° track disc
5°	1° track disc



⚠ If a steering and pushing aid is installed, you must always use the 0.5° track disc except with a camber of 0°. In this case, no track disc is used).

3.2.1 Replacing the seat upholstery

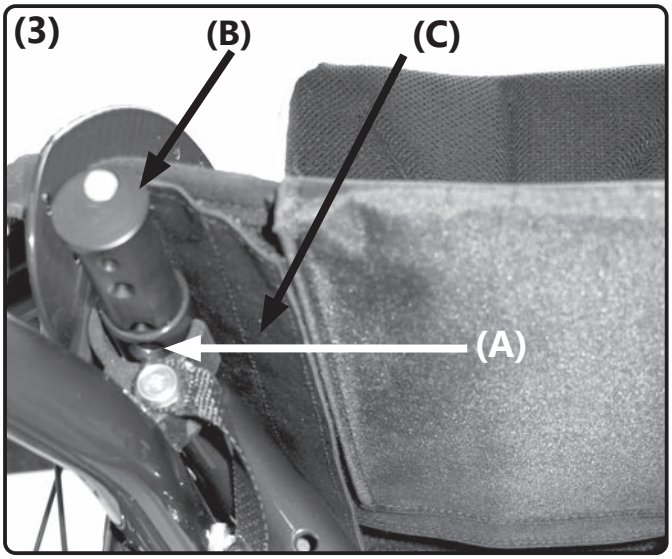
(1) To replace the seat upholstery completely unscrew the two screw connections **(A)** on the underside of the seat tube. Entirely pull the seat upholstery **(A)** out of the tube in forward direction **(B)**, Fit the new seat upholstery to the upholstery tubes. Reinsert the seat upholstery into the seat tubes **(C)**. Finally, thoroughly tighten all screws **(A)**.



3.2.2 Retightening the seat upholstery

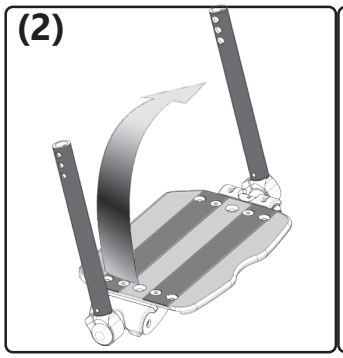
(3) Remove the screws **(A)** on both sides and completely pull the seat upholstery out of the seat tube's slots in forward direction

Put the Velcro **(C)** into its new position, reinsert the upholstery into the slots on the seat tubes **(B)** and thoroughly tighten the screw **(A)** on the underside.

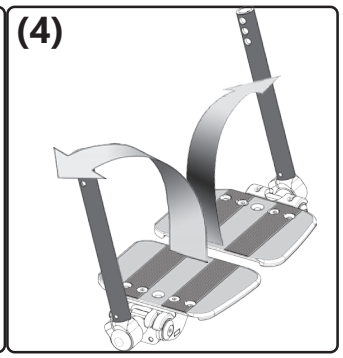


3.3.1 General Information Leg supports

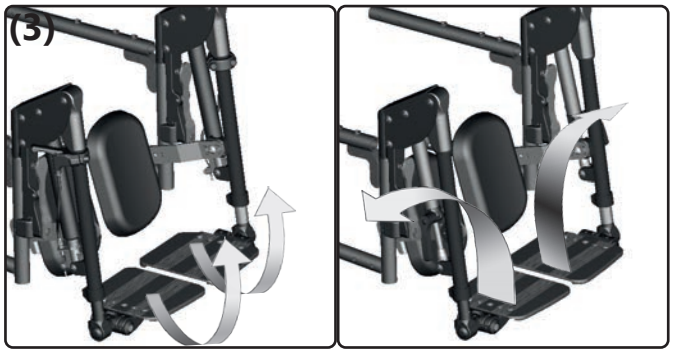
Model 2:



Model 4:



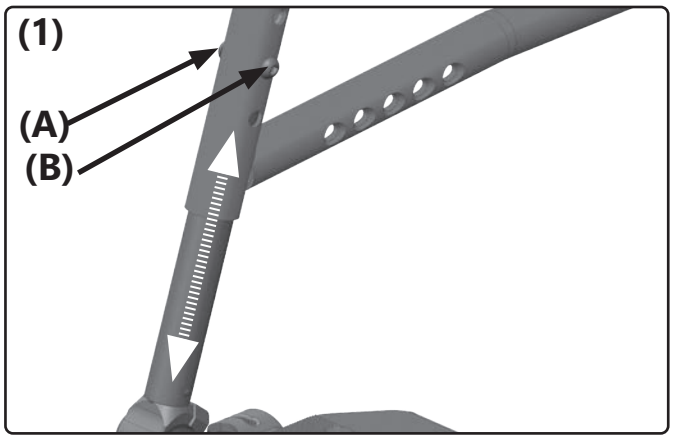
*Model 6**Jump gamma***

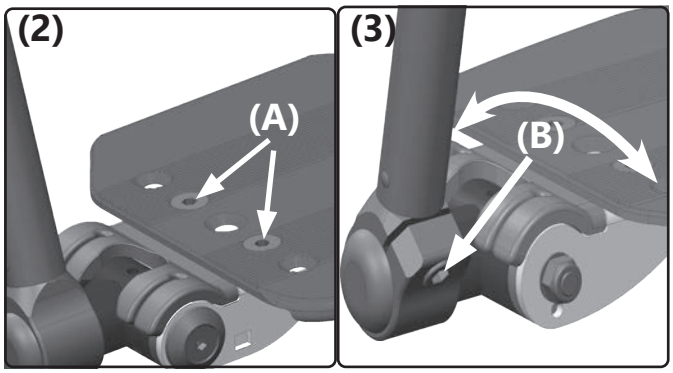


3.3.2 Front rigging

Adjusting for calf length
(1) Remove both screws **(A)** on the outside of the frame, also remove screws and bushings **(B)** on the inside, select desired new position, reinsert screws and bushings on both sides and thoroughly tighten.
Depth adjustment
(2) You can fasten the footplate in 3 positions. Remove all screws and nuts **(A)** on the footplate and reposition footplate, reinsert all screws and nuts and thoroughly tighten.
Angle adjustment
Unscrew the **(3)** socket head screws **(B)** within the clamp enough to loosen the clamp. Set desired angle, thoroughly tighten screws.

Adjusting the locking jaws is the same process on all full-width side flip-up footplate types.



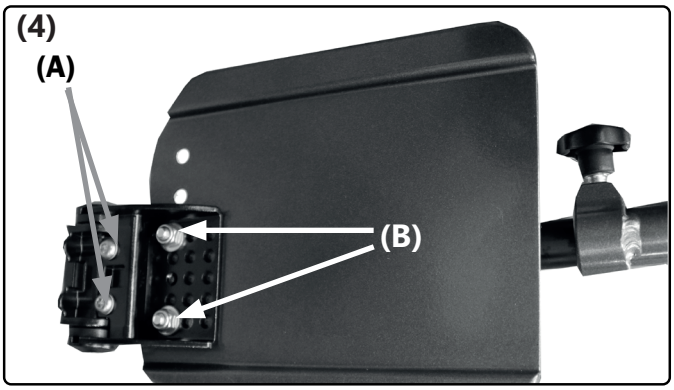


3.3.3 Divided side flip-up footplate

⚠ The flip-up footplate is not suited for users with sensory dysregulation.

From the factory, the footplates are adjusted to a horizontal position. Should the footplates tilt from use, you can adjust them as follows:

(4) Loosen lock nut **(A)** turn stop screws **(B)** into the desired position and thoroughly re-tighten the lock nut **(A)**.

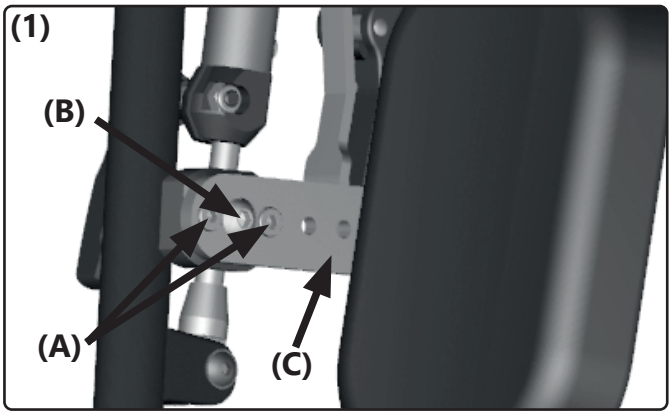


3.3.4 Flip-up front rigging

⚠ The flip-up front rigging is not suited for users with sensory dysregulation.

Leg rest height adjustment

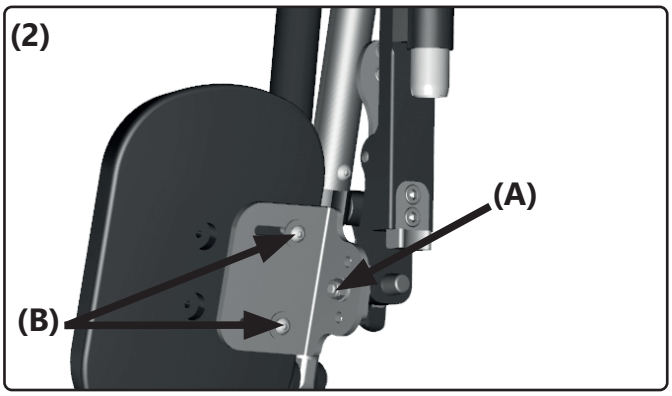
(1) remove screw connection **(A)** and loosen the screw **(B)**, Use the latch **(C)** to set the desired
height, tighten screw connection.



Legrest depth and width adjustment

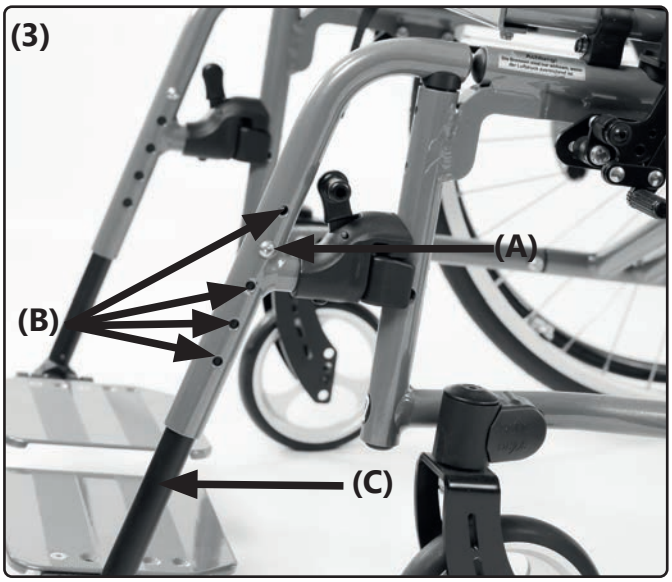
Depth adjustment
(2) remove screw connection **(A)**. Insert the legrest into the latch **(1C)** at the desired position.
Thoroughly retighten.

Width adjustment
loosen screw connection **(B)**. Push legrest into the desired position.
Thoroughly retighten.



3.3.5 Footplate height adjustment

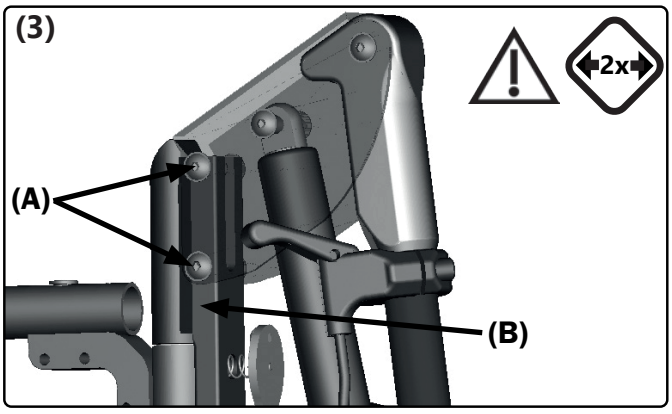
(3) Remove screw connection **(A)**. Move the front rigging tube **(C)** into its desired new position so that the hole for the front rigging tube screw is flush with the hole on the legrest **(B)**.
Thoroughly retighten.



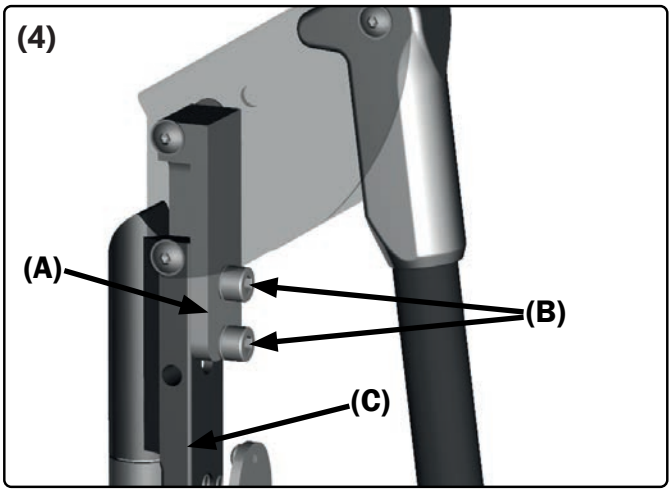
Raising the pivot on the flip-up front rigging

When using particularly tall seat cushions, it may be useful to raise the pivot of the flip-up front rigging to adapt it to the user's knee pivot.

(3) For this, remove the 4 screws **(A)** including threaded bushings and remove the front rigging from the front rigging holder. **(B)**

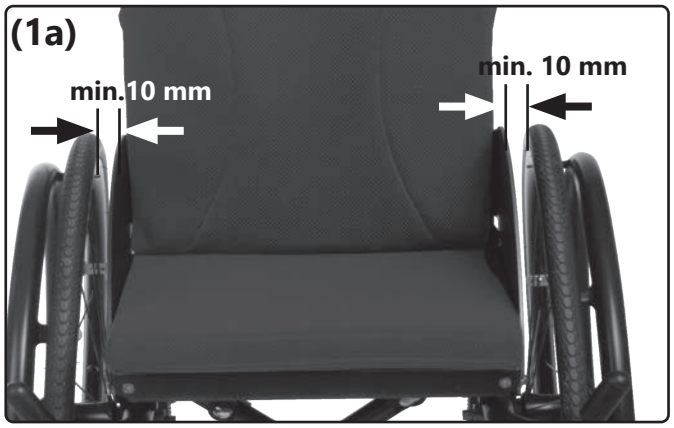


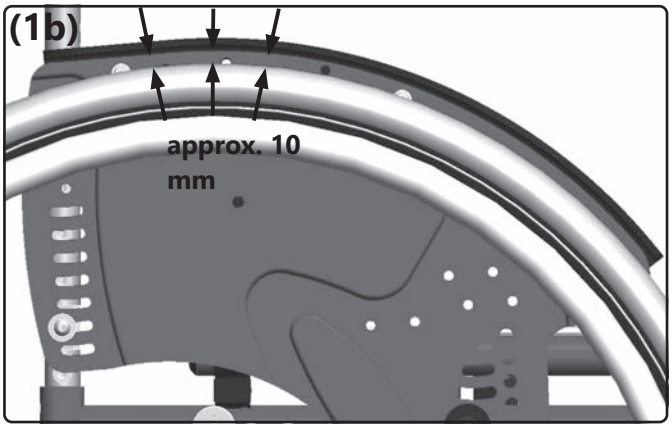
Using the included screws and lock screws **(B)** securely mount the **(4)** height extension **(A)** onto the front rigging holder **(C)**.
Remount the front rigging in its new position, reinsert the 4 screws **(3A)** you have removed and retighten them including their threaded bushings.



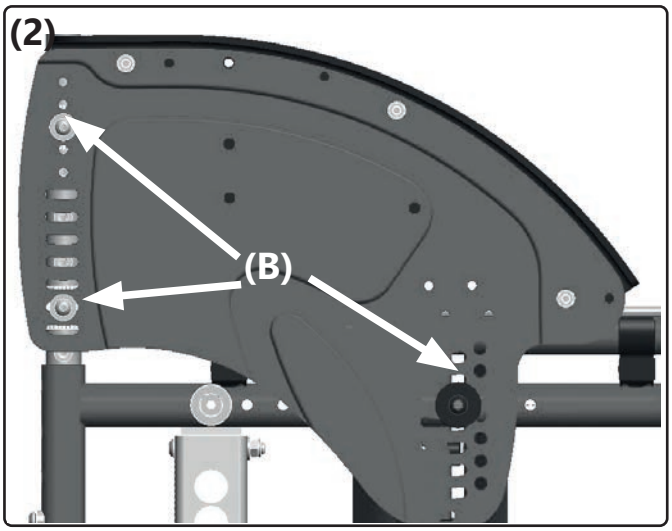
3.4.1 Setting side guards

(1a+b) The distance between the wheel and the side part should be at least 10 mm, to make sure it doesn't touch the tyre under lateral load.
The side part's contours should be parallel with the rear wheel's contours for as long as possible at a distance of 10 mm.
Higher adjustments may restrict active users when pushing.





(2) To adjust for height, remove the rear wheels. Remove the screw connections **(B)** in the front and rear completely. Adjust the side part's position as desired, reinsert the screws and throughly tighten them.



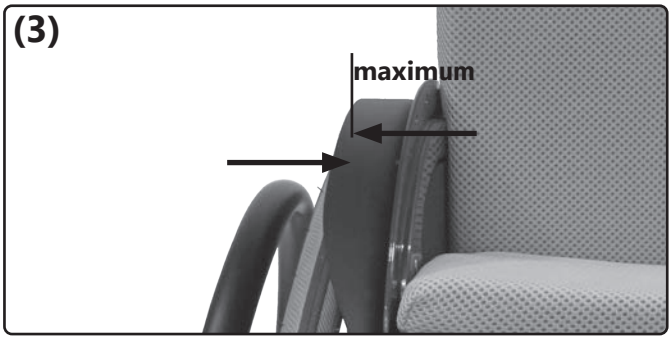
Side part removal/installation:

- Removing the side part: Loosen both the (2B) screws on the side part.
- Installing the side part: Fasten side part using screws (2B).

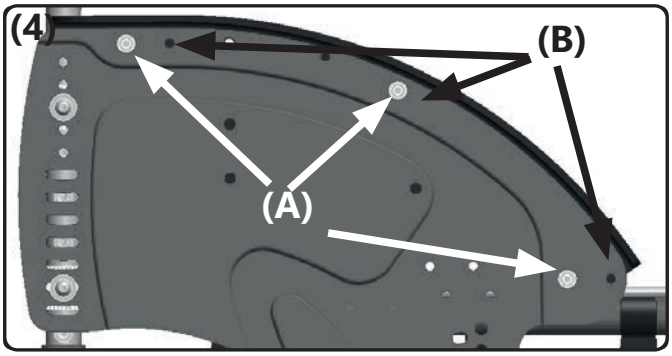
Required tools:
Alley key (size 4)

3.4.2 Skirt guard on the side guard

(3) The skirt guard is inserted into the bead on the side parts and is supposed to cover the rear wheel laterally. It should maximally extend to the outside of the wheel.



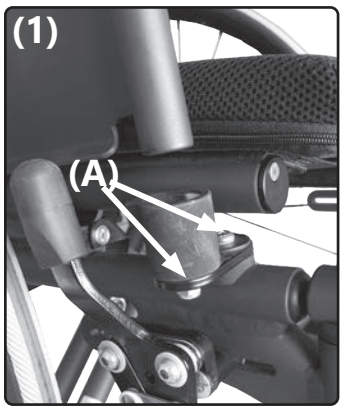
(4) When relocating the rear wheels to the frontmost perforated plate position one must insert the skirt guards into the alternative holes **(B)**. Remove the screws **(A)**, relocate the skirt guard, reinsert all screws and thoroughly tighten them.



The distance between the wheel's top edge and the skirt guard should be at least 10 mm to make sure the skirt guard does not touch the wheel under load.

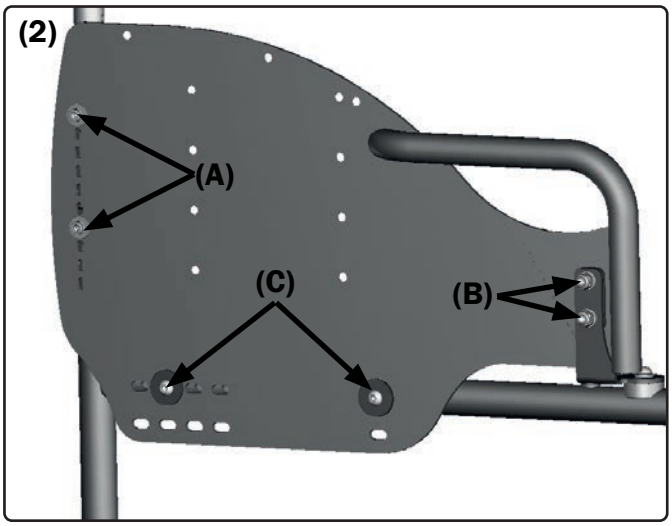
3.4.3 Desk side guard or long side guard

(1) Depending on stress, the closure of flip-up side parts must be readjusted occasionally. This is done via the screws **(A)**.



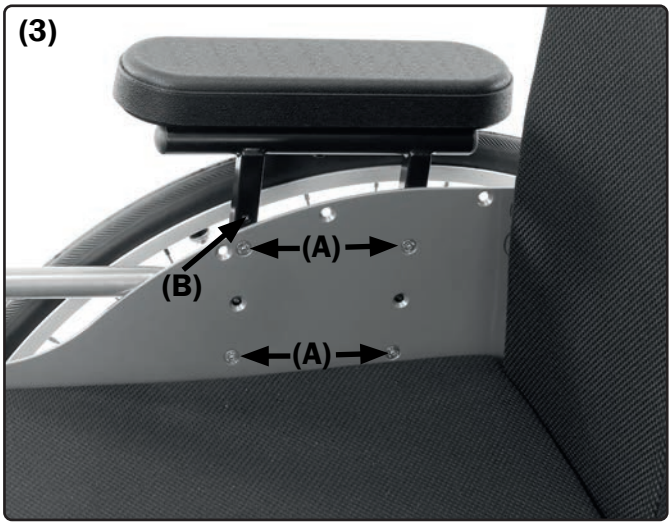
3.4.4 Adjusting side parts permanently screwed on

(2) Permanently screwed-on side desks can be adjusted in height by 25 mm. For this, remove the screw connections **(A),(B)** and **(C)**. Relocate the side part to the desired height and thoroughly retighten the screws. When doing so, observe the correct attachment of all distance pieces and saddle washers. **(A)**.



3.3.5 Armrest height adjustment

(3) Loosen the screws **(A)** and move the guide tube **(B)** to the desired height, allowing you to insert the screw into the hole on the guide tube. Thoroughly tighten the screw.



3.5.1 General Information brake

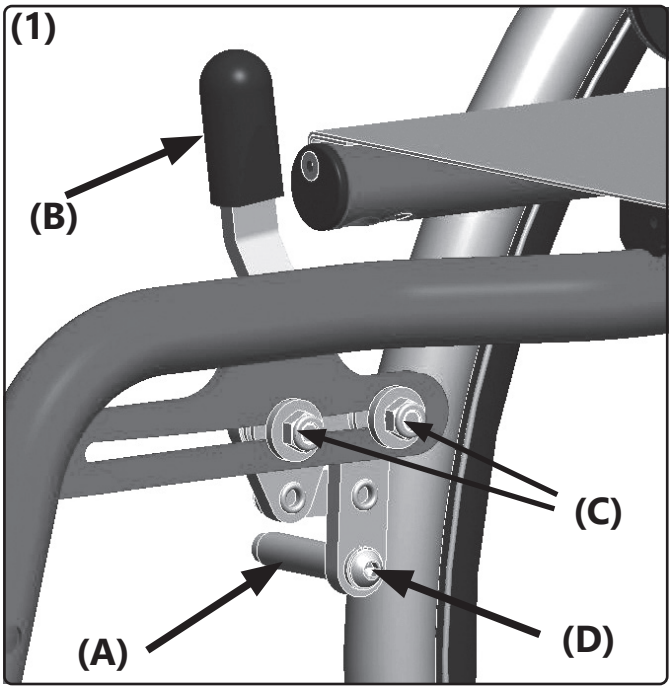
(1+2) Every wheelchair is equipped with two parking brakes. They consist of the brake application pin **(A)**, brake lever **(B)** (if needed with extension) and adjustment screws **(C)**.

⚠ Parking brakes may only be used to immobilise the brakes in one parking position. They are not de**sig**ned to slow the wheelchair down when in use.

⚠ The following may impair the brakes' function:

- insufficient tyre pressure,
- rain, snow, sleet etc.,
- worn tyre tread and
- excessive gap between the brake application pin and the tyre,

Regularly check the brake application pin on the wheelchair's inside **(D)**for tight seat.

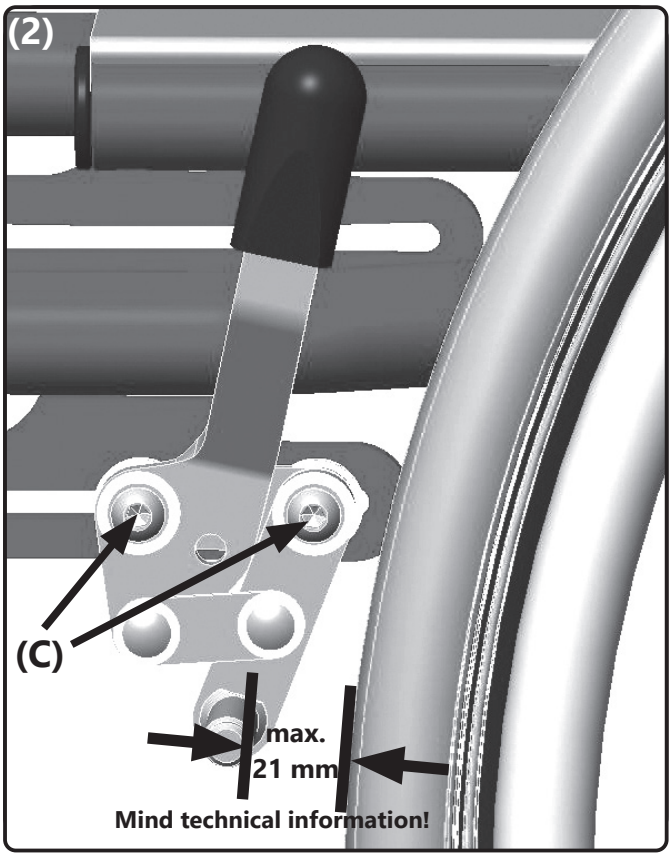


⚠ Following any changes to the rear wheels, you must readjust the brake. With the parking brake engaged, an occupied wheelchair's rear wheel must not slip on a ramp with a 12% gradient.

With the brake disengaged, the maximum distance between the brake application pin and the tyre is set as follows:

Standard knee lever brake	21 mm
Pull-to-lock brake	11 mm
knee lever brake with anti-rollback	10 mm
cable brake	6 mm

(Subject to technical changes).



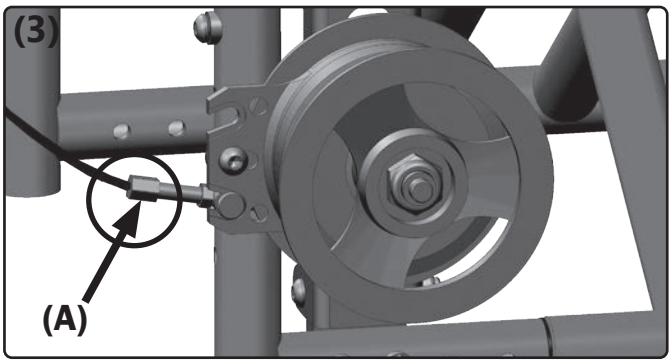
3.5.2 Standard wheel lock

(2) First, check the rear wheel tyre pressure (required information on the outside of the tyre). To adjust the brake loosen the two screws **(C)** on both sides, relocate the brake body to its desired position and thoroughly retighten the screw **(C)**.

3.5.3 Drum brake

Contrary to the parking brake, the drum brake is suited to be used as a service brake.

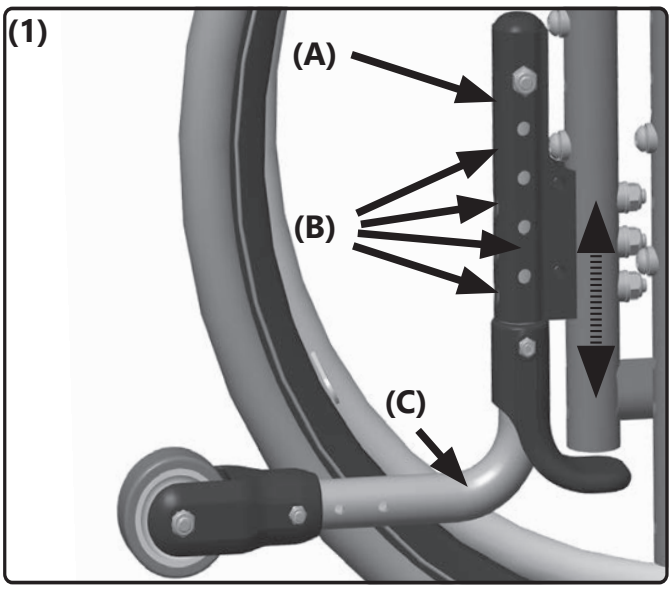
(3) The drum brake is adjusted using an adjustment screw at the lower end of the brake cable **(A)**. Turn the adjustment screw counterclockwise to (re)tighten the brake cable.



⚠ The drum brake shoes are very sensitive to dirt and fluff etc. Regularly clean the brake body with a dry brush or hair dryer. When removing and reinserting the wheels using the quick-release axle, make you don't damage the brake body. This would result in a significant safety hazard!

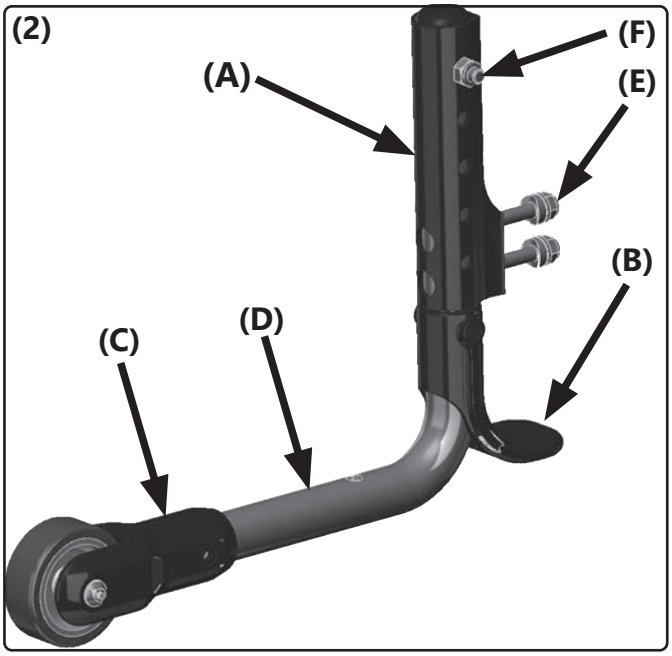
3.6.1 Height setting

- **(1)** Remove the screw **(A)**,
- pull the anti-tipper **(C)** down a little in its holder **(A)**,
- relocate the screw **(A)** to the desired position **(B)**
- and retighten it thoroughly.



Alternatively, you can turn the holder by 180°:

(2) If you wish to adjust the anti-tipper to a particularly low position, you can turn the anti-tipper holder **(A)** by 180°. For this, remove the two screws **(E)** and the screw **(F)**, remove the anti-tip bar **(D)** and turn it by 180°, reattach the anti-tip bar holder to the frame tube, reinsert the anti-tip bar into the holder and use screw **(F)** and the holes **(1B**) to position it as you wish.



Installing an anti-tiper:
The anti-tipper must be installed at a distance of 30-50 mm from the ground.

- Use the screws (2E) to attach the holder (2A) to the frame tube (1)
- set desired height using the screw (2F)
- set desired height using the screw (3B)

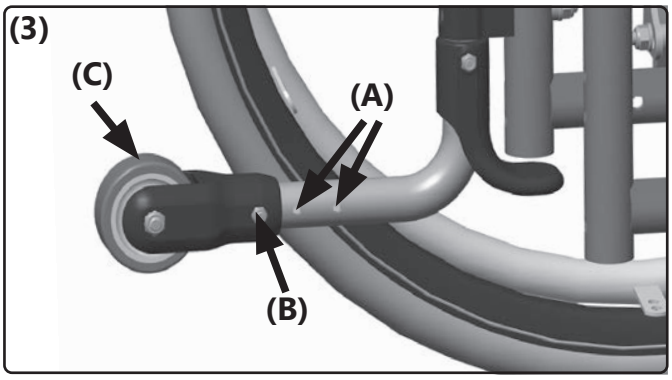
Required tools:

Size 2.5/4/5 allen key

3.6.2 Length setting

(3) If you have adjusted your wheelchair to very active use and the anti-tipper sticks out too far in the rear,

- emove the anti-tip wheel using holder **(C)** and screw **(B)**,
- use a suitable saw to shorten the anti-tipper to the desired length
- and re-attach the anti-tip wheel with its holder.
- Insert the screw **(B)** into the suitable hole **(A)** and thoroughly retighten it.

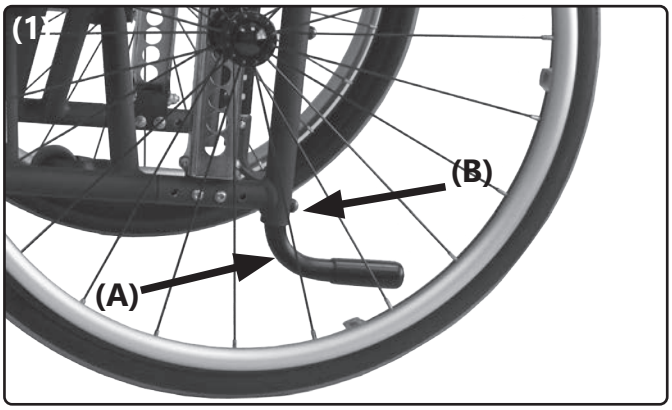


3.7 Assembly Group tipping lever

3.7.1 Mounting

(1) To subsequently install a tilting device:
- Remove the cap at the bottom of the frame tube,
- insert the tilting device **(A)** into the frame tube from below and
- use the screw **(B)** to tightly attach it to the frame.

It is not possible to have a tilting device and anti-tipper installed at the same time on the same frame side.

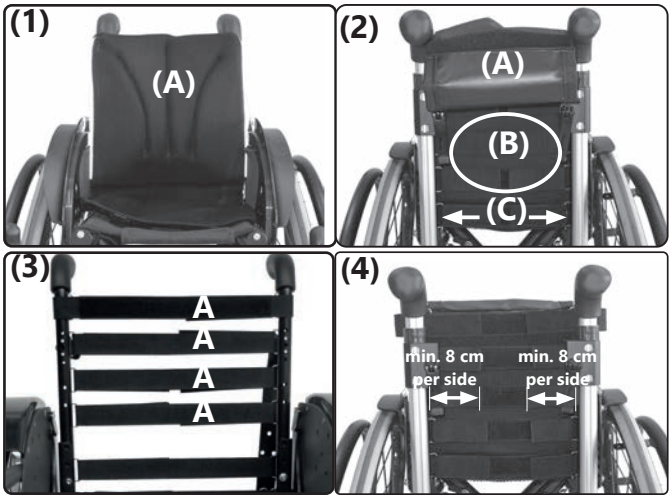


3.8.1 Adjustable back cover

Adjustable back straps allow you to individually adjust the back. If you adjust the upper straps on the back loose, the back will curve, adding more lateral support to the wheelchair user.

⚠ Note that the adjustment of the back upholstery has an effect on the centre of gravity and thus, the wheelchair's tipping behaviour.

(1) Remove the back pad **(A)**,
(2) the cover **(A)** of the Velcro closures **(B)**,
(3) the Velcro closure **(A)** of the straps you wish to adjust,
adjust them to the desired length and close the Velcro closure,
put the rear cover **(3A)** back over the Velcro closures and close at the bottom edge.



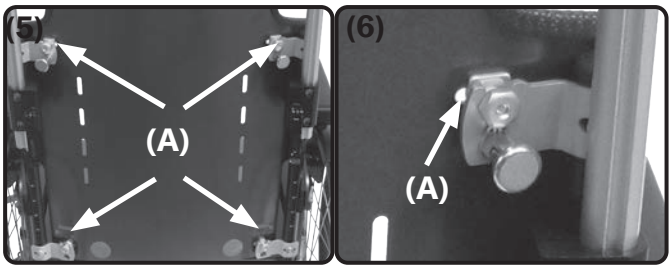
⚠ **(4)** The Velcro closure must overlap at least 80 mm on each side.

⚠ When using a stabiliser bar, the slack in the back upholstery must not be so large that it touches the stabiliser bar. Danger of pressure marks!

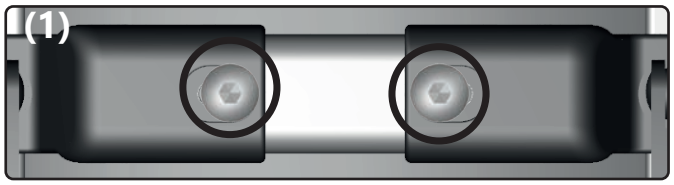
3.8.2 Curved back plate

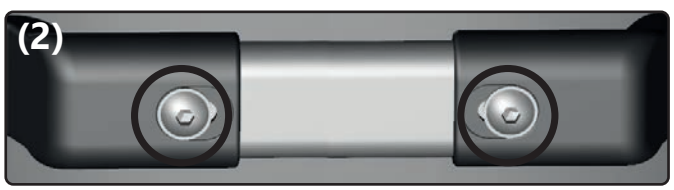
⚠ All four guide pins must be allowed to sit tightly in their holders.

(5+6) Adjust the tight and correct position of the guide pins via the screw connections in the 4 oblong holes **(A)**.



3.8.3 Adjusting the width of the stabilizer bar when converting the back system



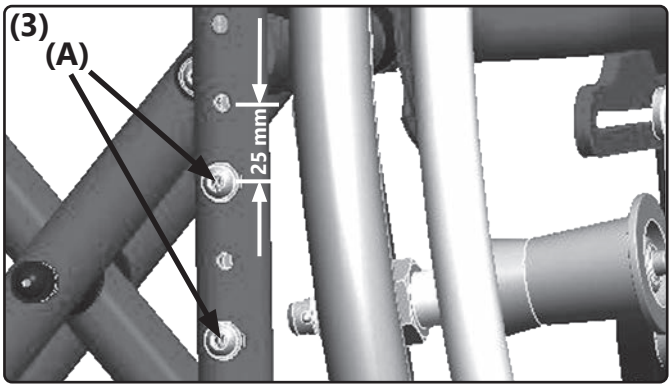


<u>With extendible push handles:</u>
Figure **(1)** shows the stabiliser bar set to narrow. Select this adjustment when swapping the back from standard (90°) to **ADJUST**ABLE back angle
Set the bar to wide if you wish to swap from **ADJUST**ABLE back angle to standard (90°), see figure **(2)**.

<u>With standard push handles (built into the back tube):</u>
Figure **(1)** shows the stabiliser bar set to narrow. Select this adjustment when swapping the back from **ADJUST**ABLE back angle to standard back (90°).
Set the bar to wide if you wish to swap from standard (90°) to **ADJUST**ABLE back angle to, see figure **(2)**.

3.8.4 Extension for standard back

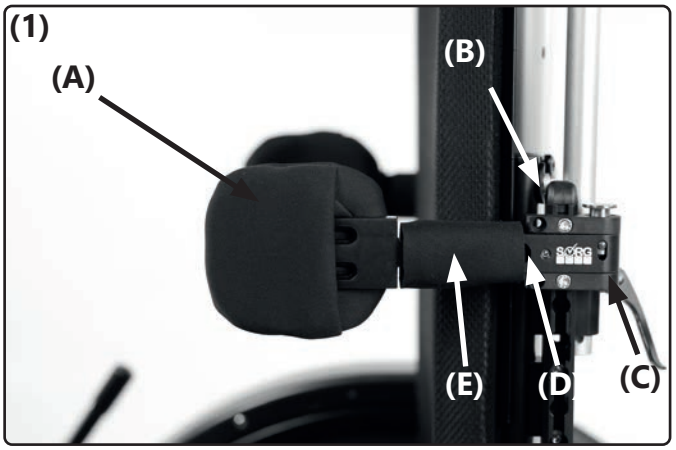
(3) Remove the screws **(A)** holding the back tubes to the frame on both sides, slide the back tubes into the desired position, reinsert screws and tighten them thoroughly.



3.9.1 Nomenclature

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

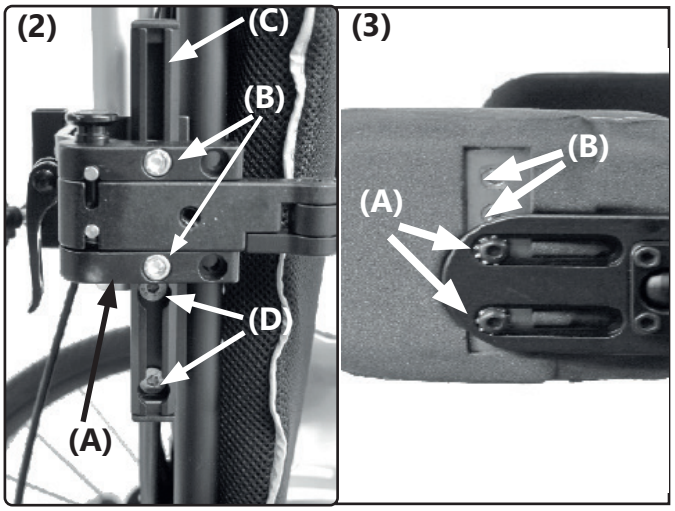
- **(A)** Lateral support pads
- **(B)** Connection
- **(C)** Locking joint
- **(D)** Lateral support holder
- **(E)** Protective housing



3.9.2 Vertical adjustment

(2) To vertically adjust the lateral supports you can move the locking joint **(A)**. Loosen the screws **(B)**, move locking joint to the desired position, thoroughly retighten the screws **(B)**.

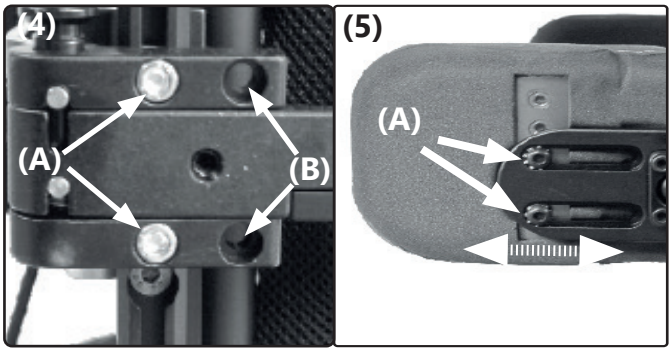
Vertical adjustment
(2) You can also vertically adjust the lateral supports by turning the C-rail **(C)**. Completely remove the locking joint **(A)** using the screws **(B)**. Remove screws **(D)**, turn C-rail by 180°, reinsert screws and **(D)** tighten. Reattach the locking joint **(A)** to the C-rail using the screws **(B)** and thoroughly retighten the screws **(B)**.



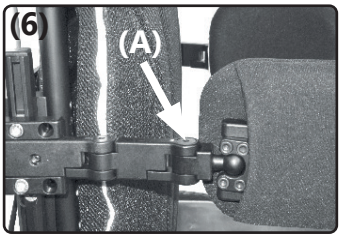
3.9.3 Horizontal adjustment

(4) You can adjust the lateral supports horizontally by moving the locking joint. Remove the screws **(A)**, move the locking joint into the holes **(B)** (or vice versa), reinsert the screws and thoroughly tighten them.

Horizontal adjustment
(5) You can also horizontally adjust the lateral supports by moving the pad. Remove upholstery, loosen the screws **(A)**, move the pad, thoroughly retighten the screws, reattach upholstery.

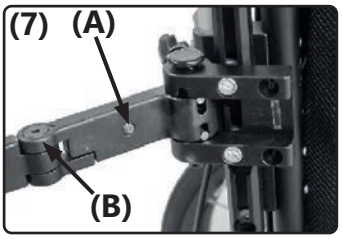


Horizontal extension
(6) An extension piece (spare part) can be used for horizontal extension. Remove screw **(A)**, insert the extension piece and thoroughly retighten on both sides.
(7) Fine-adjusting the play between the jocking joint and the lateral support holder is

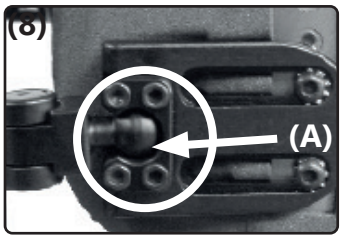


3.9.4 Fine-adjusting the lateral support holder

done via the adjusting screw **(A)**
(8) Once all positioning and extension work is done, close the lateral supports, push the protective housing back far enough to expose the joint connection, turn the joints to the desired position and thoroughly tighten the joint screws **(7B)**. Fasten the ball joint by tightening the four screws **(A)**.



3.9.5 Adapting to the user



4.1 Repairs

⚠ Repairs must be carried out by a specialist dealer.

4.2 Spare parts

Only original spare parts may be used. You can obtain these via your specialist dealer.

The spare parts list is available at www.sorgrollstuhltechnik.de and can be requested from us.

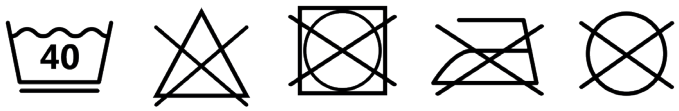
To make sure we deliver the correct spare part, you must tell us the serial number of your wheelchair. You can find it on the type plate which is located on the frame.

4.3 Maintenance

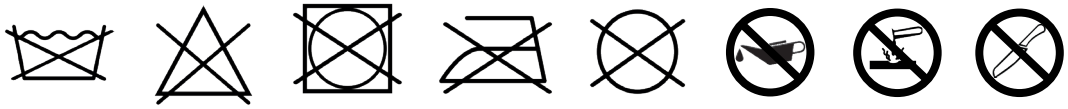
Clean your wheelchair and all its components regularly using a mild conventional water-based cleaning agent. For this, use a soft tissue or brush.
Dry the wheelchair afterwards.

Additionally, remove all dirt from casters and rear wheels as well as the axles (e.g. hair).

Washing textile parts:
Care information:



Faux leather, straps and other cushions must be wiped off:
Care information:



4.4 Disinfection (spraying and wiping)

The wheelchair must be cleaned before it is disinfected. For disinfection, use a conventional water-based agent. Please observe the respective manufacturer's instructions for use.

4.5 Storage

- Clean the wheelchair
- Fold the folding wheelchair (if applicable)
- Adjust the tilting seat to 90° (if applicable)
- If needed, pack removable textile parts in wrap or similar
- Secure the wheelchair against rolling away and becoming dirty
- Store the wheelchair in a dry environment without aggressive enrivonmental factors

4.6 Lifespan

Depending on intensity of use and number of additional uses, this wheelchair's expected service life is 5 years. For this, the product must be used as intended and the instructions in this Instruction Manual as well as all maintenance and service intervals must be observed.

If it is still in safe working order, the product may be used beyond this time. This common, theoretical service life is not a guaranteed service life and is subject to individual inspection by a specialist dealer, this includes the product's potential reuse.

Use beyond the stated service life increases residual risks and should only be considered following qualified assessment by the user.

This wheelchair's service life depends on the frequency of its use, the environment in which it was used and on how much care it received.

The common service lifer does not refer to spare parts such as textile parts, wheels and plastic wear parts which are subject to material-specific ageing and/or wear.

The listed service life does not represent an additional warranty.

4.7 Reinstatement

Before reuse, a qualified dealer must perform a full inspection on this wheelchair as per check list as well as completely clean and disinfect it. We recommend replacing all cushions and textile parts if the wheelchair is to go to a new user.

4.8 Disposal

The wheelchair may only be disposed of if approved by the cost bearer. The wheelchair must be disposed of in accordance with the respective country's legal stipulations.

4.9 Maintenance/inspection

For reasons of safety and to maintain product liability, this wheelchair must be inspected buy your specialist dealer at least annually. This must be done in accordance with the check list on the following page and must be documented.

Maintenance and care check list (for the user)

⚠ Insufficient and ignored wheelchair maintenance presents a significant safety risk.

Before every use:
Check:

- frame, back tubes, attachments and accessories for visible damage, bends, cracks or missing/loose screws,
- wheels/quick-release axles for tightness,
- sufficient tyre pressure and tread,
- brakes for proper function,
- whether angle adjustment elements/eccentric tensioners are firmly fitted,
- whether seat plate/back/footplate are properly locked,
- anti-tipper/seat and back strap function,
- whether all previously removed parts have been inserted and locked again.

Every 3 months:
(depending on mileage earlier)
Check:

- screw connections for tightness,
- welds, attachments and accessories for hidden damage, bends or cracks,
- tyre tread,
- whether third-party systems (if installed) are securely mounted.

Clean the wheelchair and grease all moving parts.

⚠ Should you notice any defects when performing maintenance tasks, please immediately contact your specialist dealer and stop using the wheelchair.

Annual inspection check list (for the specialist dealer)

Printing template (available for download at www.sorgrollstuhltechnik.de)

Preparation:
☐ Wheelchair was cleaned

Check:
☐ Frame, back unit, attachment parts and accessories checked for damage, bends, cracks and corrosion,
☐ mounting screws were checked for completeness and tight seat,
☐ casters and rear wheels were checked for condition, functionality running characteristics were checked,
☐ spokes were checked for tight seat and completeness,
☐ brakes were cleaned and maintained,
☐ closures (snap pins on push handles, quick-release axles, eccentric fasteners, etc.) were checked for functionality,
☐ anti-tipper was checked for tight seat and functionality.

Grease:
☐ moving parts and bearings were greased

Final check:
☐ All mechanical adjustment mechanisms were checked for functionality

5.1 Data and measurements

Model: Jump gamma
Type: 487
Catalogue of therapeutic appliances number: 18.50.03.3002
All dimensions ±5%

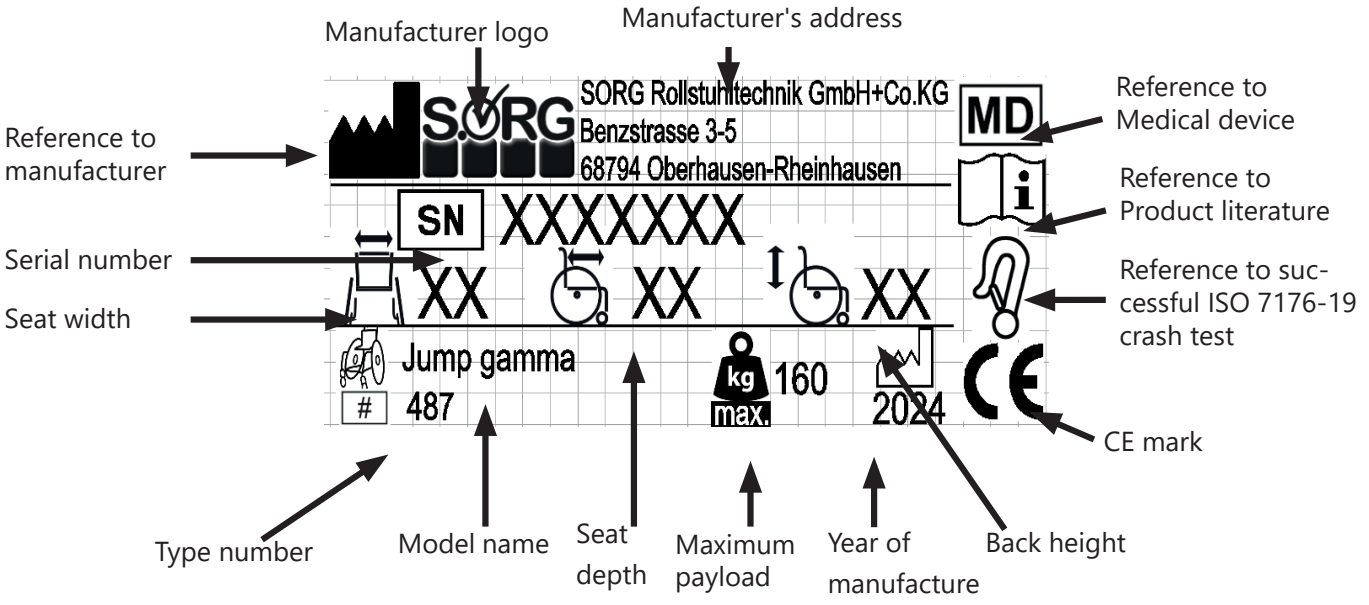
Name	Variants	Dimensions	Notes
Seat width (SW)	BSA/Sport & XL	420 - 620 mm	min. - max.
Seat depth (SD)	BSA/Sport & XL	420 - 540 mm	min. - max.
Back height (BH)	BSA/Sport & XL	300 - 600 mm	min. - max.
Distance between seat's top edge (TE) and footplate's top edge (TE)	BSA/Sport & XL	315 - 520 mm	The calf length (CL) is derived from the distance between: TE of seat to TE of footplate + seat cushion thickness.
ETRTO wheel size 22"		Ø 25 - 489	Conventional pneumatic tyres from 1" (25.4 mm) to 1 3/8" (35 mm) / all failsafe tyres in the listed dimensions
ERTRO wheel size 24"		Ø 25 - 540	
ERTRO wheel size 26"		Ø 28 - 590	
Handrim diameter	22"	Ø 481 mm	Tube diameter: ø 19 mm
	24"	Ø 533 mm	
	26"	Ø 585 mm	
Casters	PU / pneumatic / solid	5.5", 6", 7"	
Front seat height (SH)	Standard / XL	410 - 575 mm	min. - max. The seat height is measured from seat's top edge to ground, WITHOUT the seat cushion! Information: In the rear the seat tilt may vary by 0-10°.
Rear seat height (SH)	Standard / XL	365 - 575 mm	
Wheelchair width	unfolded	620 - 920 mm	min. - max.
Wheelchair width	folded	290 - 350 mm	min. - max.
Wheelchair length	folded / unfolded	915 - 1090 mm	min. - max. The rear wheel position can be adjusted by up to 60 mm via the perforated plate / on the frame.
Wheelchair height	folded / unfolded	790- 1155 mm	
Camber		0° / 2° / 5°	
Back angle		Standard 90°	
		Adjustment between 90° - 120° with pneumatic spring	
Approved incline/decline/tip safety		12.3 % = 7°	Applicable to the use of all parking brakes
Turning circle	approx. 1000 mm	Depending on wheel chair size	
Min. dead weight	Ready to use	16.1 kg	
Payload (max.)		160 kg	
Individual weights	Rear wheels/frame	1.2 - 2 kg/9.5 kg	depending on size and configuration
Tyres	See wheel size and Casters	Tyre pressure usually 3 - 10 bar	
Wheelchair accessories	From the manufacturer	See this Instruction Manual's Table of Content	
Service life	3 years	if not excessively stressed	
Service life	5 years		
Regular stress	This wheelchair meets the requirements of ISO 7176-8 and fire safety requirements.		
Test dummy weight	160 kg		

5.2 Meaning of labels

The individual labels' meaning is immediately evident from the text in the respective position.

If damaged or lost, a new type plate can be requested from SORG Rollstuhltechnik.

Type plate:



5.3 Declaration of conformity

SORG Rollstuhltechnik declares that the product Jump gamma (both Sport and BSA version) is a class 1 device and meets the respective stipulations of the EU 2017/745 Medical Device Regulation.

This was proven in a conformity assessment process according to the stipulations for medical devices.

Changes to the product not coordinated with SORG Rollstuhltechnik render this Declaration null and void.

5.4 Guarantuee

In addition to our General Terms and Conditions, the frame is covered by a two-year warranty (on manufacturing and material errors).

Not covered by the warranty is damage resulting from improper or unqualified assembly/adjustment and/or repairs, from neglect and wear or changes to assemblies by the user or third parties. Such cases render the product liability null and void.

On this note, we would like to draw your attention to our mandatory maintenance intervals listed under item 4 of this Instruction Manual.

Please understand that all customised parts as well as textile parts cannot be exchanged.

Service record Jump gamma

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

info@sorgrollstuhltechnik.de
www.sorgrollstuhltechnik.de

company stamp

CH REP

Rehatec AG
Ringstraße 15
4123 Alschwill
Switzerland
Tel.: +41 61 487 99 11
Mail office@rehatec.ch

MADE IN GERMANY