

Rea® Clematis®



en Manual wheelchair passive
User Manual



This manual MUST be given to the user of the product.
BEFORE using this product, read this manual and save for future
reference.

rea®



Yes, you can.®

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1 General

1.1 Introduction

The Rea Clematis®'s seat frame, push handles and certain other components subjected to strain are made of steel. Legrests are made of high quality aluminium.

Castor suspension and the jointed parts of the frame are made of polyamide reinforced with fiberglass. The backrest plate is also made of polyamide reinforced with fiberglass. Plastic details are marked for recycling. Seat and backrest cushions are made of foam rubber and the upholstery is made of washable plush or elastic polyurethane cloth.

The Rea Clematis® is a carer-operated wheelchair with an angle-adjustable seat unit. The angle of the backrest unit can be adjusted independently of the seat. The controls for the seat and backrest angle adjustment are included on the push handles. The Rea Clematis® is available in three seat widths.

The armrest height of each chair can be adjusted.

The wheels can be pneumatic or semi solid.

The seat and backrest pads have been ergonomically designed for the user. They are to provide as much stability and comfort as possible, as well as good pressure distribution.

1.2 Symbols in this manual

In this User Manual warnings are indicated by symbols. The warningsymbols are accompanied by a heading that indicates the severity of the danger.



WARNING

Indicates a hazardous situation that could result in serious injury or death if it is not avoided.



CAUTION

Indicates a hazardous situation that could result in minor or slight injury if it is not avoided.



IMPORTANT

Indicates a hazardous situation that could result in damage to property if it is not avoided.



Tips and Recommendations

Gives useful tips, recommendations and information for efficient, trouble-free use.



This product complies with Directive 93/42/EEC concerning medical devices. The launch date of this product is stated in the CE declaration of conformity.

1.3 Warranty

We provide a two-year warranty from the delivery date. Damage due to wear and tear on upholstery, tires, (rubber) tubes, hand rims and castors etc., is not covered by the warranty. Damage that has been caused through physical violence or abnormal use is not covered. Damage caused by users who weigh more than the maximum user weight stated for each wheelchair model is not covered. The warranty will only apply if the maintenance instructions are followed.

1.4 Limitation of liability

Invacare accepts no liability for damage arising from:

- Non-compliance with the user manual
- Incorrect use
- Natural wear and tear
- Incorrect assembly or set-up by the purchaser or a third party
- Technical modifications
- Unauthorized modifications and/or use of unsuitable spare parts

1.5 Customer service

For contact details to where you can find information about for example product safety notices and product recalls, please refer to the last page of this publication where you will find addresses to the European sales companies.

This User Manual contains important information about using the wheelchair. In order to ensure safety when using your wheelchair, read the User Manual carefully and follow the safety information.

If your vision is impaired, you can view the user manual as a PDF file on the Internet at www.invacare.xx (xx = local country code) and enlarge it on-screen as required. If you cannot enlarge the texts and graphics sufficiently, please contact the invacare®distributor for your country; → addresses on the reverse of this document. If necessary, we will provide you with a high resolution PDF file of the user manual. Moreover, you can have the PDF file read out to you with the aid of suitable programs using special language functions on your computer (e.g. in Adobe®Reader®X: Shift+Ctrl+Y).

1.6 Accidents / Near accidents

Please inform your Invacare office immediately of any accidents or near-accidents that have been caused by this wheelchair and that have led to, or could have led to, personal injury. The relevant authority must also be contacted and reported to.

1.7 Intended use

The wheelchair is intended for a person who needs posture support to attain an up-right sitting position. The backrest can be reclined and the seat can be tilted when needed to keep the head in an up-right position. When the backrest is reclined, or/and the seat is tilted, the backrest must be equipped with a headrest or a neckrest. The wheelchair also gives good support to the head, the arms and the legs.

The wheelchair is designed both for self-propelling and assistant maneuvered propelling, depending on the rear wheel size. The wheelchair can be used as a seat when transporting the user in a vehicle, presuming that the fixation is in accordance with the approved crash test.

The wheelchair must be used with a seat and a backrest system.

The wheelchair is intended for use both indoor and outdoor use (depending on the chosen size of castors).

The maximum user weight is stated in the technical data.

Indications

The wheelchair is intended for disabled persons with no or reduced walking ability and when a steady upright seating position is not possible due to the disability.

Contraindications

A seat tilt is not intended for users who are sensitive for increased blood pressure in the upper part of the body.

1.8 Compliance

The product has been tested and approved by TÜV and is in compliance with the European Directive 93/42/EEC concerning medical devices.

This product has been tested and conforms to the standards ISO 7176–8 and ISO 7176–16 or ISO 1021–2.

Invacare® is continuously working towards ensuring that the company's impact on the environment, locally and globally,

is reduced to a minimum. It is Invacare's goal to comply with the current environmental legislation (e.g. REACH and RoHS directives).

1.9 Service life

We estimate that the Invacare® wheelchair has a service life span of five years. It is difficult to state the exact length of the service life of our products and the length stated is an estimated average life span based on normal use. The life span may be considerably longer if the wheelchair is used to a limited extent and if it is used with care, maintained and handled properly. The life span may be shorter if the wheelchair is subjected to extreme use.

2 Safety

2.1 Specific risks

Below you will find a number of points affecting your personal safety. Read them carefully! Contact your local Invacare office or Health Care provider in case you need assistance.

Invacare is only responsible for product changes carried out by competent personnel. We reserve the right to make any changes to equipment and specifications without prior notice.

Failure to comply with instructions given may result in personal injury and/or product damage.

-  The wheelchair must always be equipped with legrests, footrests, seat cushion and armrests!

For exception regarding the legrests see section: Pelvic belt

 **WARNING!**
Risk of injury

- The wheelchair must always be prescribed by an authorised personnel or a competent person with knowledge about seating/positioning and others related to using a wheelchair.

 **WARNING!**
Risk of falling

- Check that all parts are attached securely to the frame.
- Check that all wheels, knobs, screws and nuts are properly tightened.
- Check that all brakes and anti-tip devices function correctly.
- Always apply the brake before getting into or out of the chair.
- Never stand on the foot plates when getting into or out of the chair, because of the risk of tipping.
- Changing the seat angle can mean an increased risk of tipping over.
- The wheelchair must always be equipped with anti-tip devices.
- Remember that the effectiveness of the carer-operated brake is reduced in wet and slippery conditions, as well as when on a slope.
- Be careful to ensure that the rear wheels are securely attached.

 **WARNING!**
Risk of tipping/falling when using velcro® backrest

- There is a risk of tipping and injury if the velcro® straps on the backrest become too slack. Always check the tension. Also check that the rear wheels are adjusted to ensure that there is no risk of tipping.

 **WARNING!**
Risk of injury

- Never lift the wheelchair by the detachable armrests, footrests, back brace or by the adjustable push handles. See section “usage” for more information.
- The handrims may become hot due to friction, which may cause injury to your hands.
- When mounting accessories etc. be careful not to trap your fingers.
- There is always an increased risk of trapping parts of your body when tilting the wheelchair’s back and seat.
- The width of the seat must not be reduced too much, as this would increase the pressure from the armrests to the side of the pelvis.

 **CAUTION!**
Risk of burning

- The wheelchair components can heat up when exposed to external sources of heat.
- Do not expose the wheelchair to strong sunlight before use.
 - Surfaces of the wheelchair like frame parts or upholstery can, after long exposure to the sun, reach temperatures over 41°C.
 - Before usage, check all components that come into contact with your skin for their temperature.

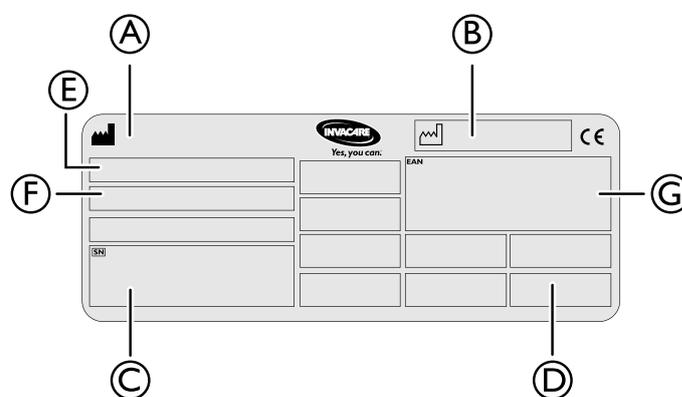
 **WARNING!**
Risk of pressure sores and contracted posture

- The user must not be seated in a tilted position for a long time. The seating positions needs to be varied to avoid pressure sores.

 **CAUTION!**
Risk of getting fingers caught

- There is always a risk of getting, e.g. fingers or arms, caught in the moving parts of the wheelchair.
- Make sure when activating the folding or insertion mechanisms of moving parts, such as the removable axle of the rear wheel, folding backrest or antitipper, that nothing becomes caught.

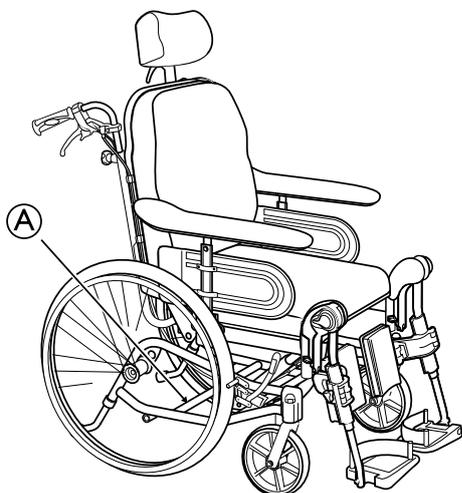
2.2 Labels



- Ⓐ Manufacturer
- Ⓑ Manufacturing date

- Ⓒ Serial No.
- Ⓓ Max user weight
- Ⓔ Model
- Ⓕ Model information such as seat depth and seat height
- Ⓖ EAN number

2.3 Location of the identification label



- Ⓐ Location of the identification label

2.4 Symbols

Symbols



Refer to the user manual.



This product complies with Directive 93/42/EEC concerning medical devices. The launch date of this product is stated in the CE declaration of conformity.



Manufacturing date



Manufacturer

3 Setup

3.1 Delivery check

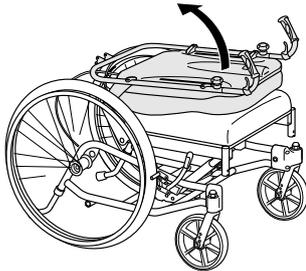
Any transport damage must be reported immediately to the transport company. Remember to keep the packaging until the transport company has checked the goods and a settlement has been reached.

3.2 Assembly

When you receive your wheelchair, you must fit the backrest into place and fit the neckrest, armrests and legrests on the chair. The assembly is simple and does not require any tools.

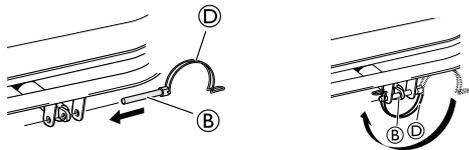
3.2.1 Unfolding the backrest

1.



Unfold the backrest into an upright position.

2.



When fastening the safety pin **B**, tilt the backrest slightly forward while supporting the gas piston manually.

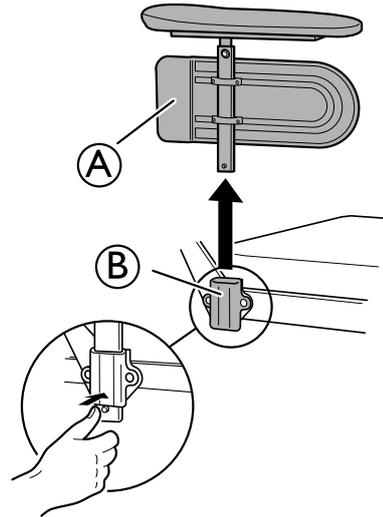
3. When the holes are aligned, the safety pin **B** can be attached.
4. Secure the piston with the safety pin **B**.
5. Lock the pin using the lock shackle / loop **C**.
6. Secure the backrest cushion using the Velcro strips.



WARNING! Safety risk

- The wheelchair may collapse
- Remember to always reinsert and fasten the safety pin when it has been removed.
 - Check that the lock shackle / loop is securely locked.

3.2.2 Fitting the armrests



1. Fit the armrest **A** in the armrest attachment **B**.



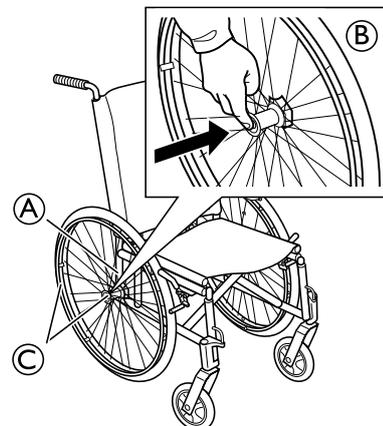
Make sure that the armrest is securely locked into position.



CAUTION! Risk of pinching fingers

- Be careful not to pinch your fingers between the frame and the side guard when mounting the armrest.

3.2.3 Fitting the rear wheels



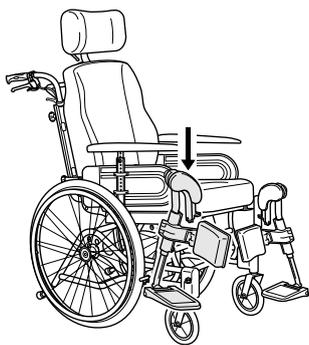
1. Press and hold in the quick-release button **B** in the center of the hub.
2. Put the rear wheel and the rear wheel axle **C** in the rear wheel attachment **A** and release the button **B**.
3. Pull the wheels outwards to check that the wheel is securely locked in its position.



WARNING! Risk of injury

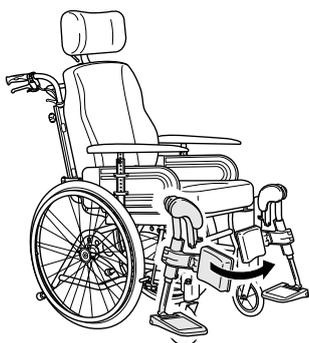
- Check that the rear wheel is securely locked in its position! It should not be possible to remove the wheels when the quick-release button is inactivated.

3.2.4 Angle adjustable legrests



1. Push the legrests down into the tubes of the legrest attachment.

 You must angle the legrest outwards when inserting it into the legrest attachment.

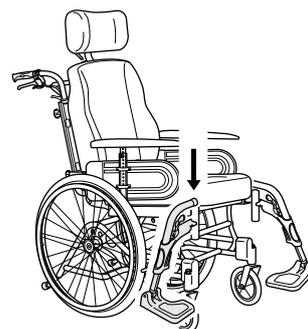


2. Turn the legrest inwards to lock it into position.

 The legrests are automatically locked, there is no risk of them coming off the wheelchair.

3.2.5 Fixed legrests

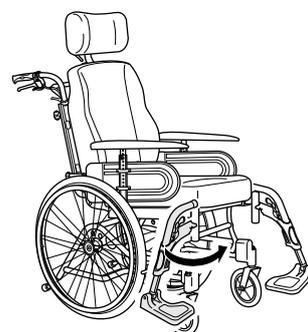
- 1.



Push the footrest down into the tubes of the legrest attachment.

 You must angle the footrest outwards when inserting it into the legrest attachment.

- 2.

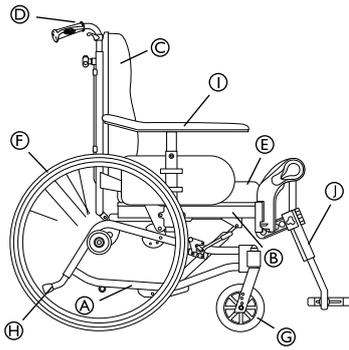


Turn the footrest inwards to lock it into position.

 The footrests are automatically locked, there is no risk of them coming off the wheelchair.

4 Components

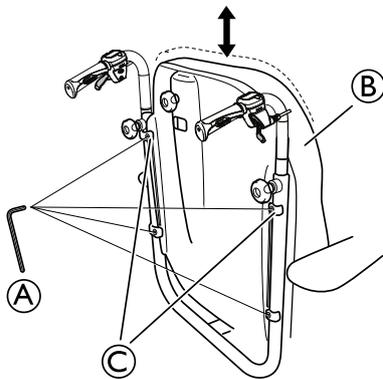
4.1 Wheelchair overview



- (A) Frame, lower section
- (B) Seat frame
- (C) Backrest
- (D) Push handles
- (E) Seat
- (F) Rear wheel
- (G) Castors
- (H) Step tube/Anti-tip device
- (I) Armrests
- (J) Legrests

4.2 Backrest

4.2.1 Adjusting the backrest plate



1. Loosen the four screws (A).
2. Adjust the backrest (B) to the desired height.
3. Re-tighten the screws firmly.

 The brackets for the backrest (C) should be placed as high as possible.

 5 mm allen key

4.2.2 Adjusting the “Laguna” tension adjustable backrest



WARNING!
Risk of injury

The position of the head could cause neck and/or breathing problems for the user if the velcro® straps come loose at the top of the backrest.
– Make sure that the velcro® only has a minimum of 6 cm overlap distance. Press the velcro® straps firmly together and make sure that they stay fixated.



WARNING!
Risk of tipping backwards

When using a tension adjustable backrest, the center of gravity is moved backwards.
– Always use anti-tip devices and make sure that the balance of the chair is stable.



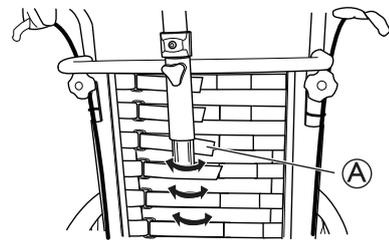
WARNING!
Risk of pressure sores

When the backrest is in the most reclined position, there is a risk of pressure sores.
– Make sure that there are no pressure areas and monitor the user and make adjustments in order to avoid pressure sores.



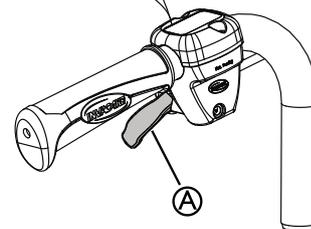
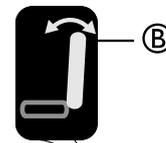
WARNING!
Risk of injury

Too much slack on the velcro® when using cover Lateral and neckrest bow/pole can cause pressure sores.
– Make sure that there is a space between the backrest and the neckrest bow/pole in order to avoid pressure sores.



1. Adjust the shape of the “Laguna” tension adjustable backrest with the velcro® straps (A).

4.2.3 Adjusting the backrest angle



1. Use the **yellow** lever (A) marked with the **yellow symbol** (B) on the **left** hand side to angle the backrest.
2. Press upwards while you angle the backrest to the desired position.
3. Release the lever.

4.2.4 Tilting seat and backrest



WARNING!
Risk of fatal injury

Increased blood pressure against the upper part of the body.

- All combinations of settings (like opened knee angle + full tilt and recline) where the lower extremity's are positioned higher than the heart, have to be evaluated from a medical point of view. The position can be contra indicated for users who are sensitive for increased blood pressure in the upper part of the body.



WARNING!
Risk of choking/breathing problems

The user might choke from eating or drinking when seated in a tilted/reclined position

- The user must be seated in a raised position before eating or drinking



WARNING!
Risk of injury

User may slide out of the wheelchair in a tilted/reclined position

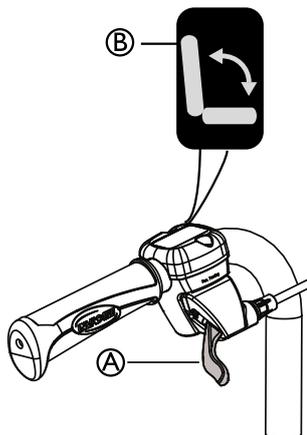
- Never leave the user at a flat or negative tilt angle without supervision. Use the pelvic belt for positioning.



CAUTION!
Risk of trapping fingers

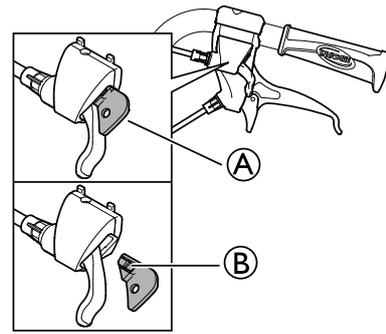
- Be careful when adjusting the angle of the backrest so that the assistant or user do not trap fingers between the backrest and the armrest.

Carer-operated tilt adjustment



1. Use the **green** lever (A) with the **green symbol** (B) on the **right** hand side to tilt the seat unit (seat and backrest).
2. Press upwards while you tilt the seat unit to the desired position.
3. Release the lever.

Locking the tilt and/or backrest angle adjustment



The locking device (A) allows you to set the tilting of the seat unit and/or the angling of the backrest to a fixed position.

1. Tilt and/or angle the seat and backrest to the desired position.
2. Insert the locking device (A).

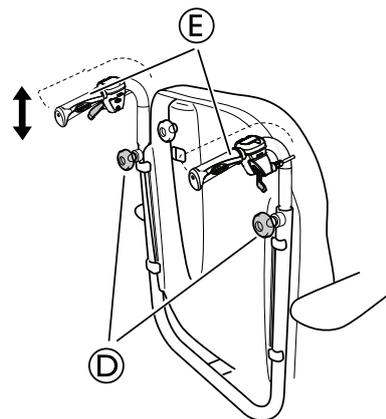


The position is now set and cannot be changed.

To remove the locking device, press on the plastic peg (B) with a small object and pull outwards.

4.3 Adjusting the push handles

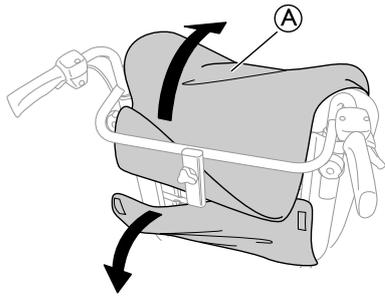
4.3.1 Backrest plate



1. Loosen the hand wheels (D). Adjust the push handles to one of the four positions, then retighten the handle wheels (B). After adjusting the push handles, always make sure that the handle wheels are properly retighten.
2. Adjust the push handles to the desired position.
 -  There are four possible height positions, max height adjustability is 90 mm.
3. Retighten the hand wheels (D).
 -  Make sure that the hand wheels are properly tightened.
4. Adjust the height of the push handles (90 mm) by loosening the handle wheels (B). Adjust the push handles to one of the four positions, then retighten the handle wheels (B). After adjusting the push handles, always make sure that the handle wheels are properly retighten.

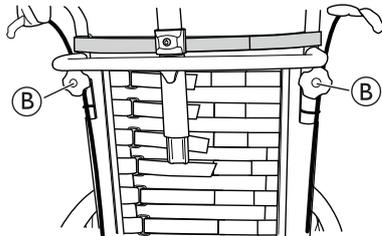
4.3.2 Backrest tension adjustable “Laguna”

1.



Remove the backrest cover (A).

2.



Loosen the hand wheels (B) and adjust to the desired height.

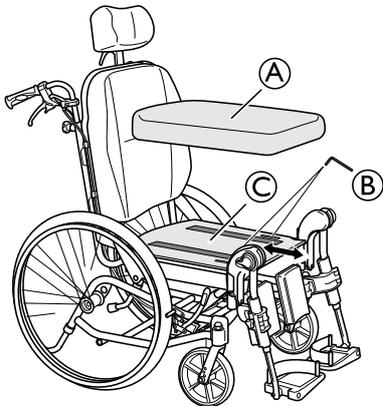
3. Re-tighten the hand wheels (B).

4. Re-mount the backrest cover (A).

 The push handles may only be adjusted 5 cm when using “Lateral” cover and the extra support strap.

4.4 Seat

4.4.1 Adjusting the seat depth



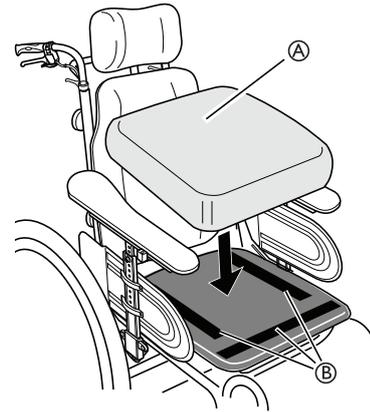
1. Remove the seat cushion (A).
2. Loosen the screws (B).
3. Push or pull the seat plate (C) backwards or forwards to the desired position.

 The seat can be adjusted 30 mm forwards or 30 mm backwards.

4. Re-tighten the screws (B).

 5 mm allen key

4.4.2 Seat adjustments



The seat depth of the chair can easily be adjusted to provide good support. The width between the legrests and armrests and the height of the armrests can also be adjusted.

 The seat cushion (A) is secured with Velcro® strips (B) on the seat plate.

4.5 Angle adjustable legrest

Angle adjustable legrests support the legs and reduces pressure. The legrests must always be fitted with calf pads, foot plates and heel straps. It is important to adjust the height and angle of the legrests to obtain a good seating position.

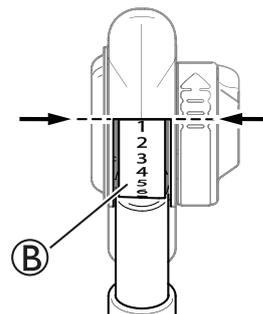
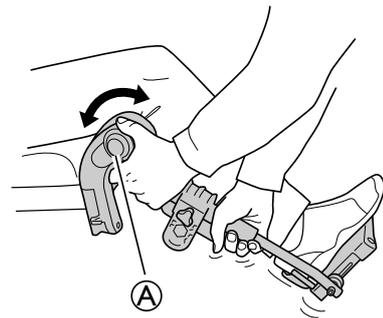
4.5.1 Angle adjustment



WARNING! Risk of damage

Damage on the mechanism

- Do not place anything heavy, or let children sit on the legrest. It may cause damage to the mechanism.
- Do not put any pressure on the legrest while the angle is being adjusted. The lever must be fully opened.

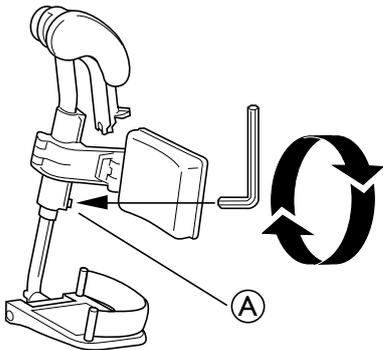


1. Pull the lever **A** with one hand while supporting the legrest with your other hand.
2. When a suitable angle is obtained, let go of the lever and the legrest will lock into one of seven preset positions **B**.

i For the Azalea Max four different positions are available, see section for legrests Azalea Max.

i The distance between the lowest part of the footrest and the ground must be at least 40 mm.

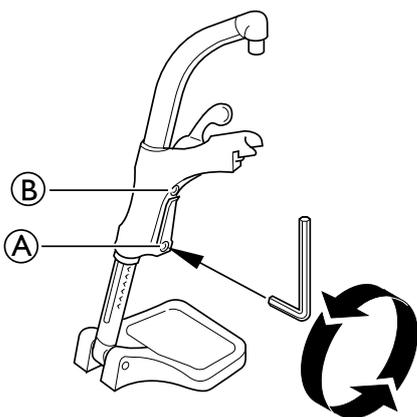
4.5.2 Adjusting the legrest height



1. Loosen screw **A** with an allen key.
i Tools: 5 mm allen key
2. Adjust the legrest to a suitable height and the screw is caught by one of the recesses on the legrest tube.
3. Re-tighten the screw with 8 Nm.

4.6 Fixed legrest

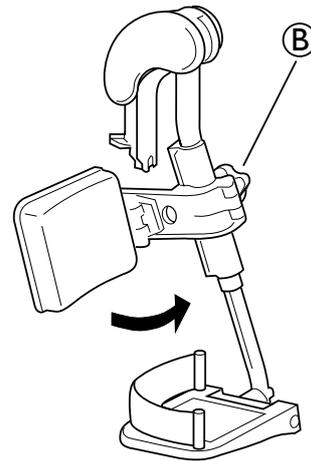
4.6.1 Adjusting the legrest height



1. Loosen screw **A** with an allen key.
i Don't touch the upper screw **B**.
2. Adjust the legrest to a suitable height and the screw is caught by one of the recesses on the legrest tube.
3. Re-tighten the screw with 8 Nm.

i The distance between the lowest part of the footrest and the ground must be at least 40 mm.

4.7 Adjusting the height of the calf pad

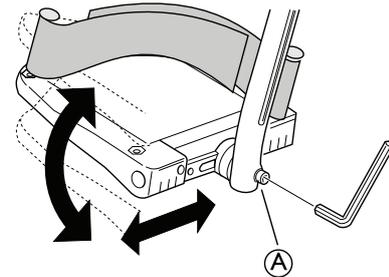


1. Loosen the knob **B**.
2. Adjust the calf pad to the desired height.
3. Re-tighten the knob **B**.

4.8 Footrests

4.8.1 Adjusting the angle adjustable foot plates

The foot plates can be adjusted both in depth and angle, and can also be folded-up.



1. Adjust the angle and the depth by loosening the screw **A** at the foot plate attachment.
i Tools: 5 mm Allen key
2. Adjust the foot plate to the correct position.
3. Re-tighten the screw with 10 Nm.
i Do not place anything on the foot plate when the screw is loose.

4.9 Tires

The ideal pressure depends on the tire type:

The table below is an indication. In case the tire differs from the list below, check the side of the tire, the maximum pressure is listed there.

Tire	Max. pressure	
Pneumatic 24 x 1 3/8 x 1 1/4	4,5 bar	65 psi
Pneumatic 24 x 1 3/8	4,5 bar	65 psi
Pneumatic low profile	7,5 bar	110 psi
Low profile PKT (24x1)	—	—

Pneumatic block pattern puncture proof	—	—
Solid	—	—

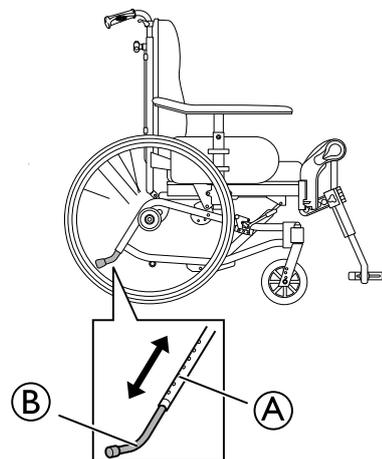
 The compatibility of the tires listed above depends on the configuration and/or model of your wheelchair.

 In case of a tire puncture consult a suitable workshop (e.g. bike repair shop, bicycle dealer ...) to have the tube replaced by a skilled person.

4.10 Adjusting the anti-tip device

 The anti-tip devices can also act as step tubes.

 The anti-tip devices are height-adjustable and can easily be set in six different positions.



1. Press the spring-loaded button **A**.
2. Raise or lower the anti-tip devices to the required position.
3. Release the spring-loaded button **A**.



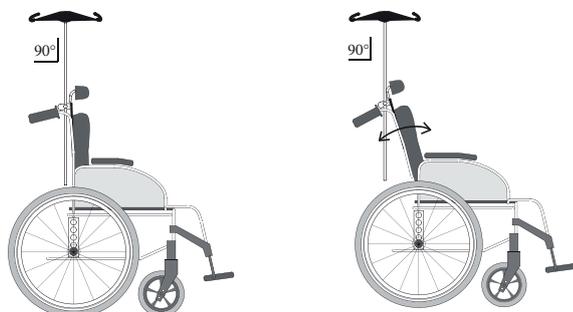
WARNING!
Risk of tipping

– Ensure that both anti-tip devices are adjusted equally and that the spring-loaded buttons pop back into place in their new position.

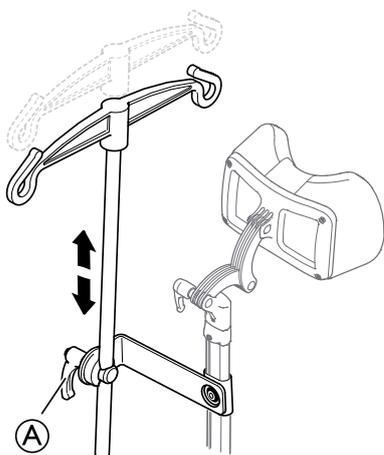
5 Accessories

5.1 Adjusting the drip stand

- i** The rod of the drip stand must always be placed in a vertical position, i.e. in a 90 degree angle to the ground, no matter the position of the backrest or the wheelchair.

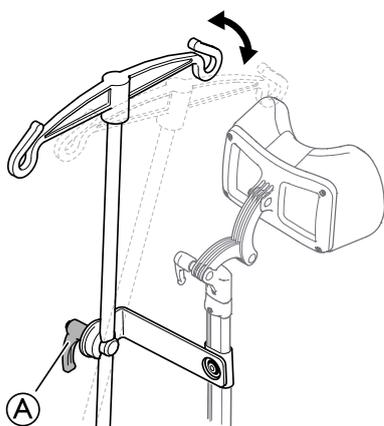


Height



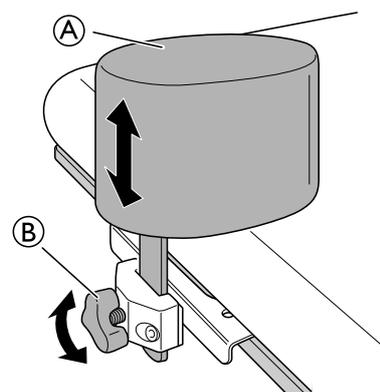
1. Loosen the lever **A**.
2. Adjust the drip stand to the desired height.
3. Re-tighten the lever **A**.

Angle



1. Loosen the lever **A**.
2. Adjust to the desired angle.
3. Re-tighten the lever **A**.

5.2 Adjusting the pommel



1. Loosen the handwheel **B**.
2. Adjust the pommel **A** to the desired height.
3. Re-tighten the handwheel **B**.

5.3 Half tray



WARNING!

Risk of falling / injury

- The half tray must never be used as a replacement for the posture belt.



WARNING!

Risk of tipping / injury

- Max load on the tip of the widest part of the half tray: 1.5 kg



CAUTION!

Risk of discomfort / minor bruises

- Make sure that the elbow of the user is placed on the half tray when propelling the wheelchair. If the elbow protrudes from the wheelchair while propelling the wheelchair, there is a risk of discomfort or minor bruises.



CAUTION!

Risk of pinching fingers

- There is a mechanism below the half tray where you could trap your fingers.
- Be careful when adjusting the tray or when using the swing-away function.



CAUTION!

Risk of pinching or minor cuts

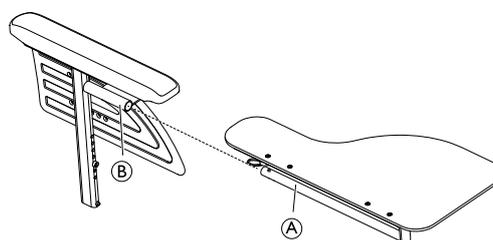
- Do not transfer from the wheelchair when the half tray is in horizontal position.



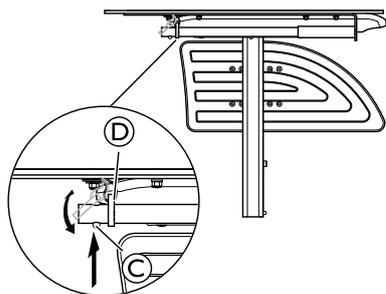
The half tray can be adjusted in width and swung away.

5.3.1 Mounting the half tray

Mounting the half tray

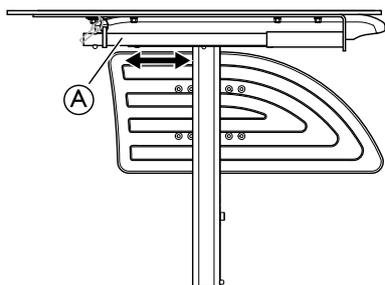


1. Insert the tube of the half tray (A) into the attachment (B) under the arm pad.



2. Push on the push pin (C) and insert the ring (D) on the tube (A).
3. Release the push pin (C).

5.3.2 Adjusting the half tray



1. Slide the half tray (A) forwards or backwards to adjust to the required depth.

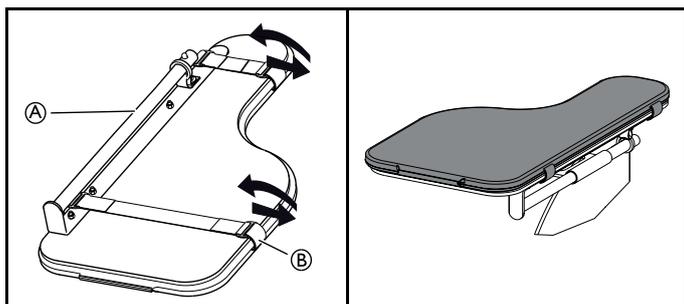


CAUTION!
Risk of discomfort

– When adjusting the depth of the half tray, make sure not to squeeze the stomach of the user.

5.3.3 Add a half tray cushion

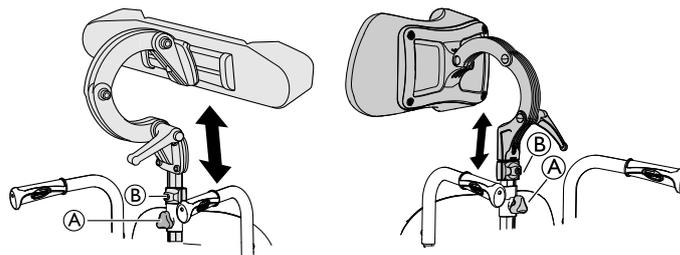
A cushion for the half tray can be placed on the half tray in order to have a softer surface for the arms and elbows.



1. Place the cushion for the half tray (A) on the tray.
2. Place the attachment straps (B) into the plastic buckle and around the half tray (A).

5.4 Headrest / Neckrest

5.4.1 Height adjustment

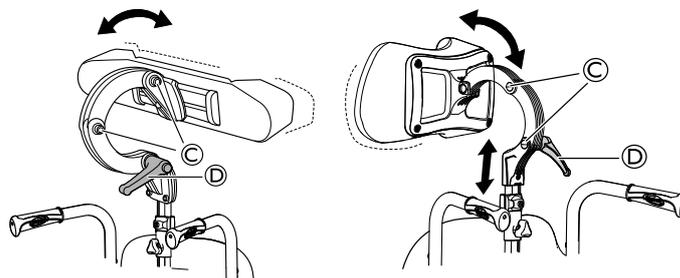


i The height and the removal are operated by the handwheel. The bar is equipped with an adjustable stop block.

1. Loosen the screw in the stop block (B).
2. Loosen the handwheel (A).
3. Adjust the head rest to the desired position.
4. Re-tighten the handwheel (A).
5. Slide the stop block (B) down to the top of the headrest attachment.
6. Re-tighten the screw.

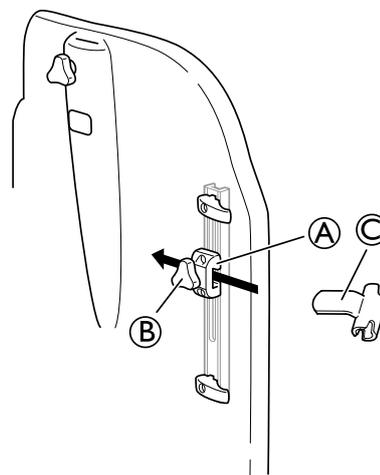
i It is now possible to remove the headrest and reinsert it in the desired position without further adjustments.

5.4.2 Depth / angle adjustment



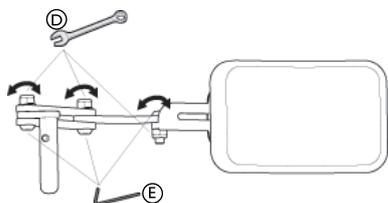
1. Loosen the handle (D).
2. Loosen the screws (C).
3. Adjust the depth and angle of the headrest.
4. Re-tighten the handle and the screws.

5.5 Trunk support “swing-away”



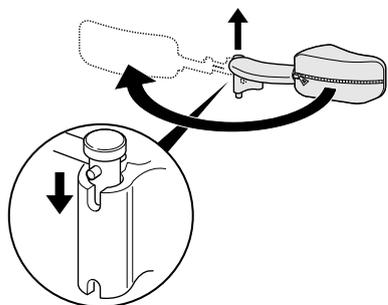
i The holder for the "swing-away" trunk support is placed in the attachment **A** on the backrest

1. Loosen the knob **B**.
2. Place the trunk support holder **C**.
3. Re-tighten the knob.



i Tools: 5 mm Allen key / 13 mm fixed spanner.

1. The angle can be adjusted by loosening the screws **E** and bolts **D** on the trunk support arm.
2. Hold with the Allen key and tighten with the fixed spanner.
3. Remember to re-tighten the screws and bolts when the required position is achieved.

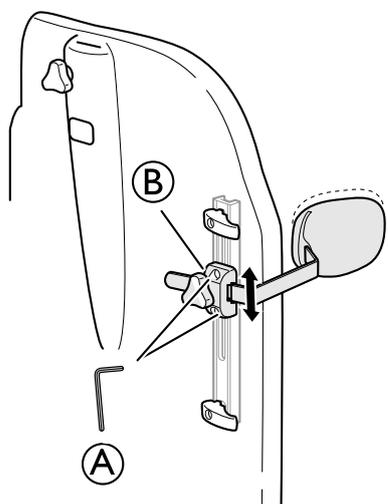


i The "swing-away" trunk support can be turned sideways in order to be out of the way when the user is moving in to or out of the wheelchair.

CAUTION!
Risk of pinching
 – The cover on the trunk support arm must always be on when the chair is in use.

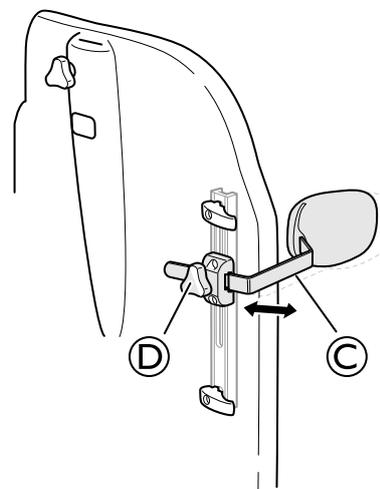
5.6 Trunk support — fixed arm

Height adjustment



1. You adjust the height by first loosening the screw/screws **A**.
2. Move the attachment **B** upwards or downwards to the desired position.
3. Re-tighten the screw/screws.

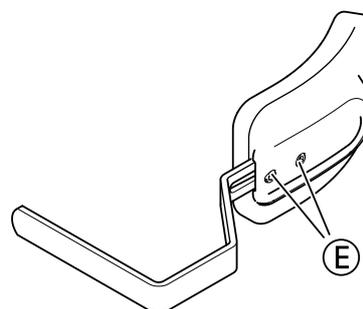
i Tools: 5 mm Allen key



Sideways adjustment

1. Loosen the knob **D**.
2. Move the trunk support **C** sideways to the required position.
3. Re-tighten the knob **D**.

Depth adjustment — fixed cushion



1. Loosen the screws **E**.
2. Move the trunk support forwards or backwards to the desired position.
3. Re-tighten the screws.

i Tools: 5 mm Allen key

5.7 Lateral positioning pads (for adjustable backrest cover only)

WARNING!
Risk of trapping
 – Be careful not to trap your trunk between the two lateral positioning pads during front or lateral transfers; when the user is moving in the wheelchair.



CAUTION!

Risk of uncomfortable posture

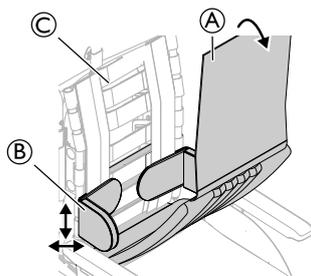
Insufficient space between the lateral positioning pads can be uncomfortable for certain users.

- This adjustment must be performed by a qualified technician upon agreement by a prescribing physician.
- Consult with your dealer.

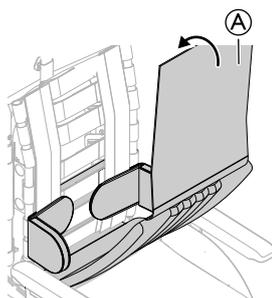


The lateral positioning pads can be adjusted in height and sideways.

5.7.1 Using lateral positioning pads

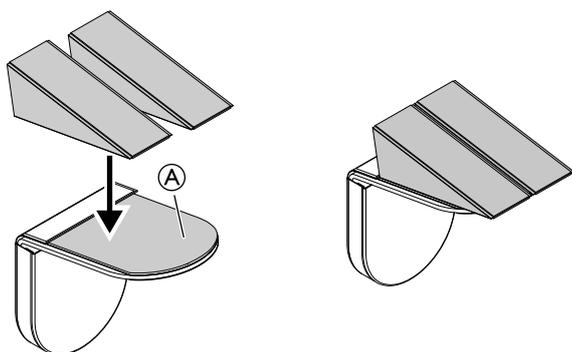


1. Remove the backrest cover (A).
2. Adjust the lateral positioning pads (B) in height and sideways to the required position with the Velcro® of the backrest cover (C).
3. Ensure that the two Velcro® surfaces (pads and back cover) are set correctly.



4. Put the backrest cover (A) back in place.

5.7.2 Using wedges with lateral positioning pad



1. Attach the wedges on the velcro® pad (A).
2. Assemble the lateral positioning pads on the backrest.



See section: "Using lateral positioning pads".

5.8 Posture belt

The wheelchair can be equipped with a posture belt. It prevents the user from sliding downward in the wheelchair or from falling out of the wheelchair. The posture belt is not a positioning device.

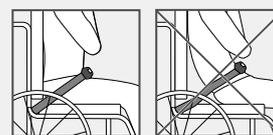


WARNING!

Risk of serious injury / strangulation

A loose belt can allow the user to slip down and create a risk of strangulation.

- The posture belt should be mounted by a qualified technician and fitted by the responsible prescriber.
- Always make sure that the posture belt is tightly fitted across the lower pelvis.
- Each time the posture belt is used, check if it fits properly. Changing the seat and/or backrest angle, the cushion and even your clothes influence the fit of the belt.



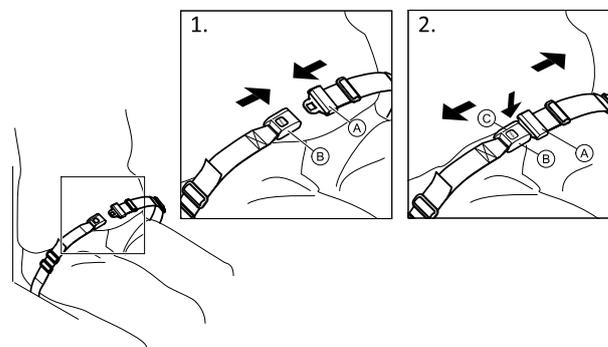
WARNING!

Risk of serious injury during transport

In a vehicle, a user in his wheelchair must be secured by a safety belt (3-point belt). A posture belt only is not sufficient as a personal restraint device.

- Use the posture belt as a complement, but not as a substitute to the 3-point safety belt, when transporting the wheelchair user in a vehicle.

Closing and opening the posture belt



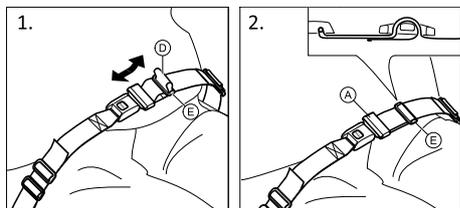
Ensure that you are sitting fully back in the seat and that the pelvis is as upright and symmetrical as possible.

1. To close, push the catch (A) into the buckle clasp (B).
2. To open, push the PRESS button (C) and pull the catch (A) out of the buckle clasp (B).

Adjusting the length



The posture belt has the good length, when there's just sufficient space for a flat hand between body and belt.



1. Shorten or extend the loop **D** as required.
2. Thread loop **D** through catch **A** and plastic buckle **E** until the loop is flat.

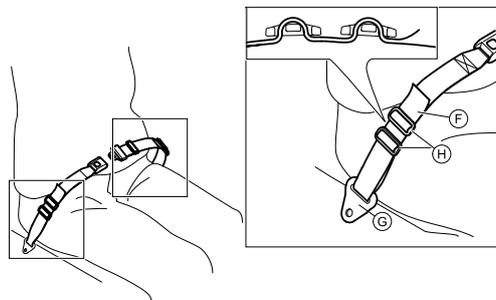
If this adjustment is not sufficient, it might be required to re-fit the posture belt at the fixations.

Fitting the posture belt at the fixations



CAUTION!

- Thread the belt loop through both plastic buckles to avoid the belt from loosening.
- Do the adjustments on both sides equally, so that the buckle clasp remains in a central position.
- Make sure that the belts do not get caught in the spokes of a rear wheel.



1. Thread the loop **F** through the fixation on the chair **C** and then through BOTH plastic buckles **H**.

6 Usage

6.1 General warnings Usage



CAUTION!

Risk of sliding

– The seat must be positioned flat or tilted backwards if the user is left alone unattended.



CAUTION!

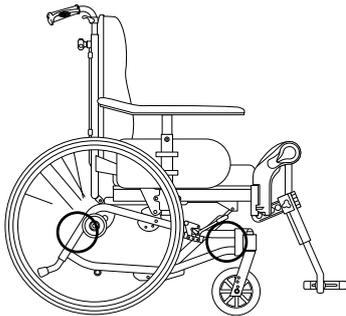
Risk of sliding

– If you have a very low seat height and / or use your feet to maneuver the wheelchair, the legrests can be removed. If so, be aware of the sliding risk!

6.2 Operating the wheelchair

We recommend that you have the chair tested by the qualified person who has prescribed the wheelchair, after he or she has made the adjustments that you request, taking your build and needs into account. We hope that you have also received help in learning how best to use the wheelchair. Start by practising carefully until you are familiar with the wheelchair's possibilities and limitations.

6.2.1 Lifting the wheelchair



1. Always lift the wheelchair by grabbing the frame at the points shown in the picture.
2. Ensure that the backrest and push handles are securely in place.
3. Read the chapter Safety instructions/Propelling techniques.

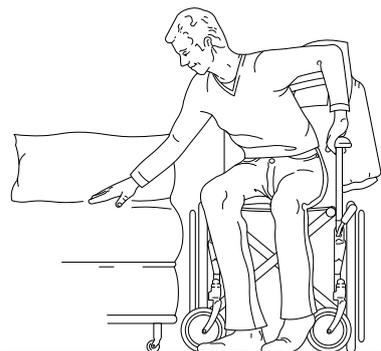
6.2.2 Move to/from the wheelchair



WARNING!

Risk of tipping forwards

The wheelchair could tip forwards if you use the footplates as support.
– Do not support yourself on the footplates when moving to/from the wheelchair.

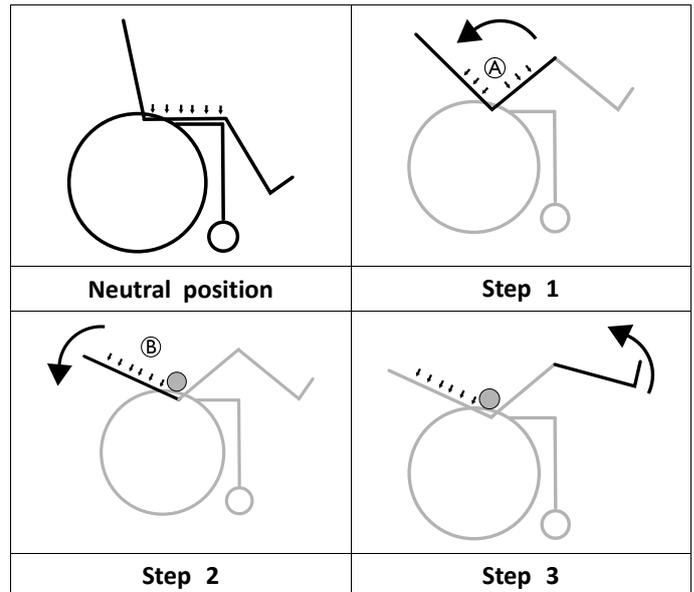


1. Propel the wheelchair as near as possible to the seat that you want to move to.
2. Apply the brake.
3. Remove the armrests or move them upwards out of the way.
4. Detach the legrests or swing them outwards.

6.2.3 Using the tilt / recline function

To ensure a good positioning, follow these steps when using both the tilt and the recline function. See sections "Manual tilt and backrest angle adjustment" and "Electric tilt and backrest angle adjustment" for instruction about how to operate the tilt and/or the recline function.

Tilting / reclining from an upright position



1. Tilt the chair.
 - This enables the user to slide to the rear and supports a neutral pelvis position (A).
2. Recline the backrest
 - The weight will now shift to the back and enable a good posture, as the bottom has slid into a rear position (B).
3. Angle the legrests.

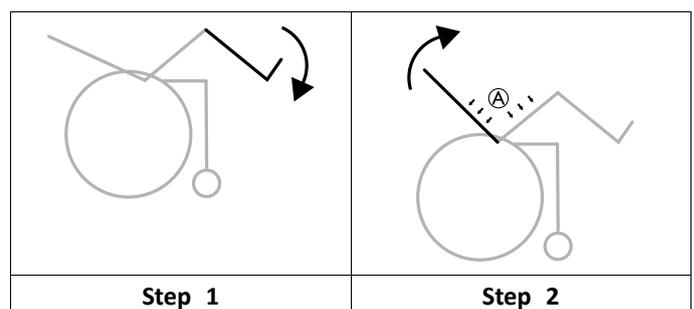


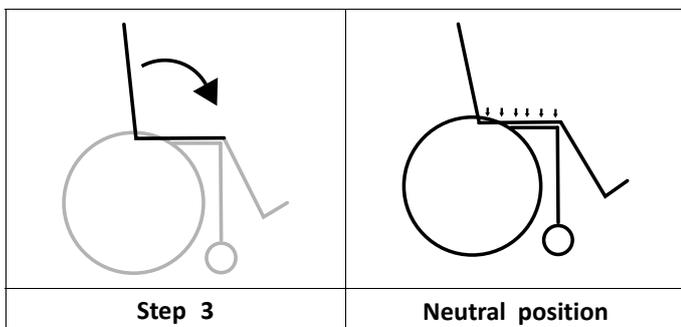
CAUTION!

Discomfort for the user

The pelvis will be strained and the user can slide downwards in the chair.
– Ensure that the backside of the thighs (hamstrings) are in a relaxed neutral position when angling the legrests.

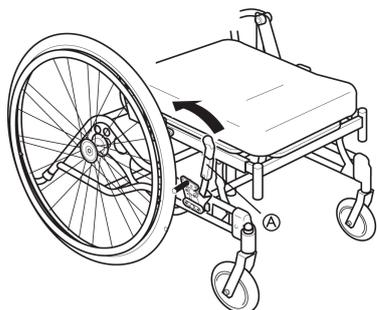
Rising from a tilted / reclined position





1. Fold down the legrests.
2. Raise the backrest from the reclined position.
 - Raising the backrest before the tilt, preserves the neutral pelvis position (A).
3. Raise the tilted position.

6.2.4 Using the user operated brake



-  Start by checking that the tires have the correct air pressure (printed on the side of each tire).
-  The user brake is to be used when the chair is not moving, and is not intended for reducing speed when the chair is moving.

1. To apply the brake, move the lever (A) towards the rear (towards you).
2. To release the brakes, move the lever (A) forwards.



CAUTION!

Risk of trapping fingers

- Be careful not to trap your fingers between the brake pin and rear wheel

6.2.5 Stretching and leaning



1. Propel the wheelchair as near as possible.



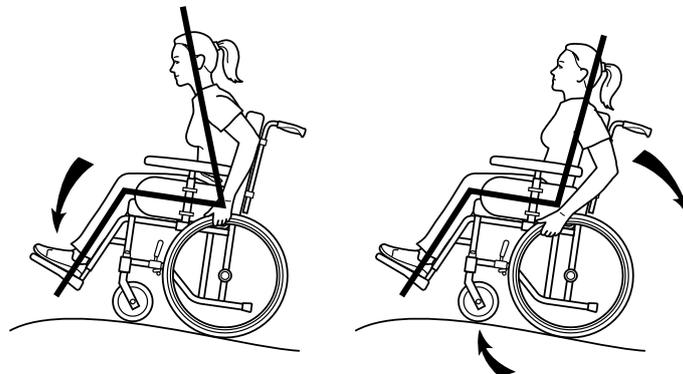
WARNING!

Risk of tipping

The wheelchair may tip over.

- Always have full contact between the backrest and the back. Stretching backwards is not recommended.

6.2.6 Propelling up a slope



Many experienced users can propel themselves up a slope. In order not to lose control of the steering and to avoid tipping backwards, you should always lean forwards whilst propelling up a slope. Propel the wheelchair forwards using short, quick strokes applied to the hand rims, in order to maintain speed and steering control.

The wheelchair can manage a slope of 15°, but steep slopes should be avoided for safety reasons. Generally, help is needed on steep slopes.



WARNING!

Risk of tipping

The wheelchair may tip if the slope is 8° or more.

- Use anti tip devices!



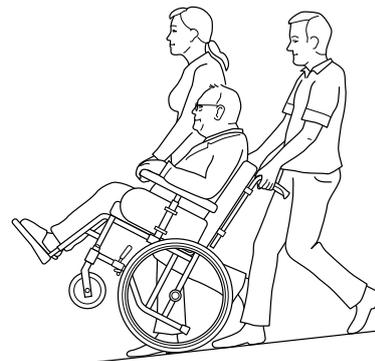
WARNING!

Risk of tipping backwards

When the wheelchair is already leaning backwards, a sudden movement may cause the wheelchair to tip backwards.

- If you have to stop on a slope, it is particularly important to ensure that you do not make any sudden or unexpected backward movements when you start moving the wheelchair again.

6.2.7 Propelling down a slope



The wheelchair can manage a slope of 15°.

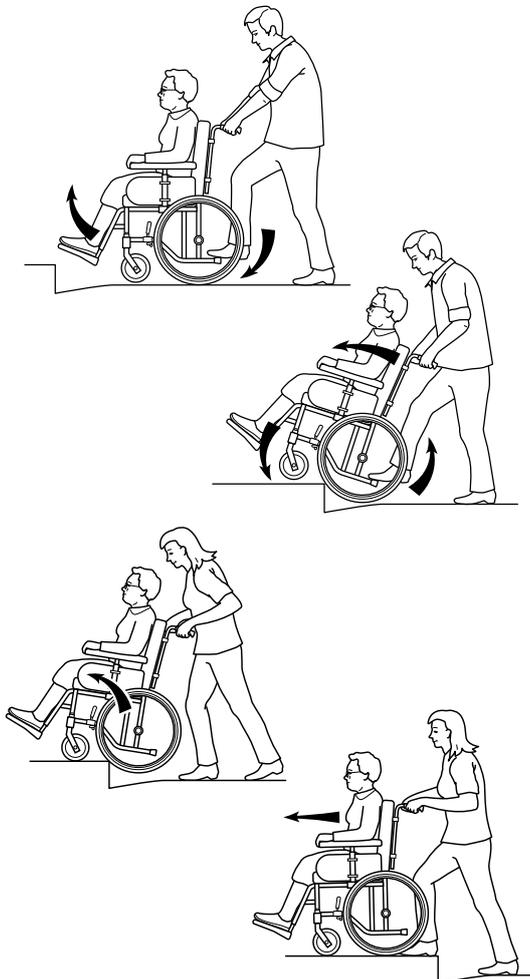
- !** **Risk of falling**
- Steep slopes should be avoided for safety reasons.
 - We recommend that you obtain the help of one or more assistants when going down steep and wet slopes.

- !** **WARNING!**
Risk of falling/injury
- The wheelchair may move forward uncontrollably.
- Check the slope to see if there are any particular hazards, potholes, slippery sections.
 - Never use the user-operated brake to slow down. When you apply the brake on a downward slope, the wheels lock and the wheelchair can suddenly pull to one side, tip sideways or stop immediately. This may cause you to be thrown out of the chair.
 - Always control the speed with the hand rims.
 - Try to propel down the slope in a straight line as much as possible.

- !** **CAUTION!**
Risk of minor injury
- Remember that the hand rims may become hot due to friction, and this may cause injury to your hands.

6.2.8 Climbing a kerb

This method is for when the assistant is always behind the wheelchair and it creates the greatest safety for the user. The following advice is for the assistant:

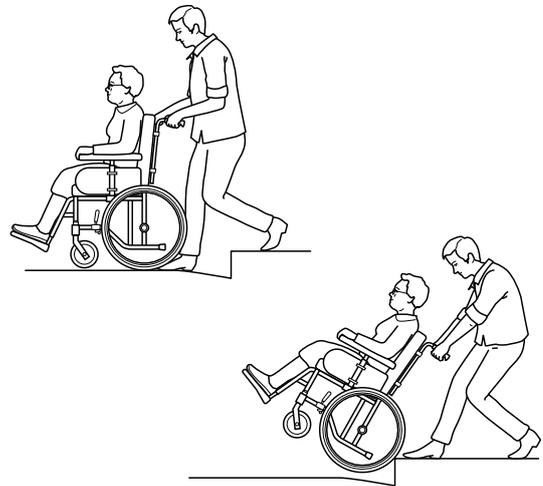


1. Adjust the anti-tip devices upwards. Ensure that the user's feet rest securely on the footrests and cannot slide off. Then tilt the wheelchair backwards and push it forwards against the kerb.
2. Lower the frontal part of the wheelchair onto the pavement and place yourself as close to the chair as possible, before you lift up the whole wheelchair.
3. Lean forward and lift/roll the wheelchair over the pavement edge.
4. Lower the wheelchair onto the pavement so that the weight is divided on all four wheels. Ensure that the wheelchair does not roll backwards.

- i** To dismount kerb, follow the procedure above, but in reverse order (step 4, 3, 2 and then 1) to move off a kerb.

6.2.9 Kerbs — alternative method

This method is generally used by experienced assistants who are stronger than average. It can also be used when the kerb or step is low and only constitutes a minimal obstacle.



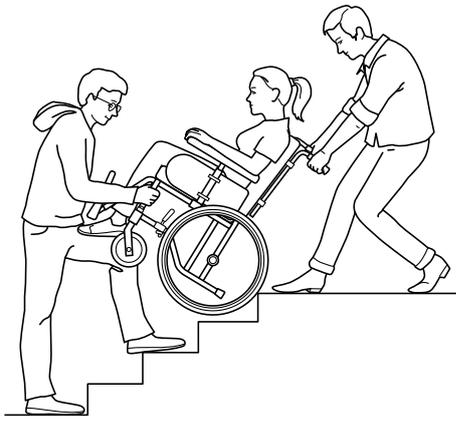
1. The assistant steps backwards onto the pavement and pulls the wheelchair up onto the pavement.
2. Tip the wheelchair backwards and roll the chair over the kerb onto the pavement.

- !** **CAUTION!**
Risk of injury
- Incorrect method could cause injury to the assistant.
- It is important for the assistant to use his or her body correctly to prevent injury.

- i** Take particular care if the kerb is wet or slippery.

6.2.10 Escalators and stairs

- i** Do not use escalators when you are in the wheelchair. Find out whether there is a lift nearby.



1. Check that the push handles/push bar are securely fixed in place before you start.
2. Fold the anti-tip devices upwards.
3. Balance the wheelchair on the rear wheels until the balance point is found.
4. Transfer the wheelchair down the stairs, step by step, let the rear wheels reel over the edge of each step.



Risk of injury

Lifting the wheelchair incorrectly may injure the assistant.

- Do not lift the wheelchair by gripping the removable armrests or legrests.
- Lift the wheelchair at the correct points, use the legs when lifting and keep the back as straight as possible.



We recommend that you receive help from two assistants to get up and down stairs. One assistant walks in front of the chair holding the frame of the wheelchair, whilst the other assistant walks behind the chair, holding the push handles.

7 Transport

7.1 Safety information

We would like to inform you about the transport of wheelchairs with seated users in vehicles that are especially adapted for this purpose. First and foremost, we would like to point out that it is always the safest option for the user to be transported in the vehicle's regular seat fastened with the regular safety belt. Invacare cannot recommend transport seated in the wheelchair. But, we are aware that there are users and situations that require vehicle transport seated in the wheelchair. In these cases, the safety rules in this section must be followed in order to reduce the risk of injury in the case of an accident.

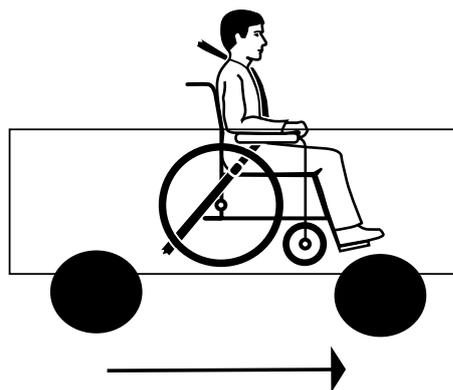
Please also read section: "Compliance" for further information.

The wheelchair/mobility base has been tested according to the specifications in ISO 7176-19 "Wheeled mobility devices for use as seats in motor vehicles". This standard is developed by authorities and specialists and states a minimum demand on wheelchairs regarding transportation in vehicles.

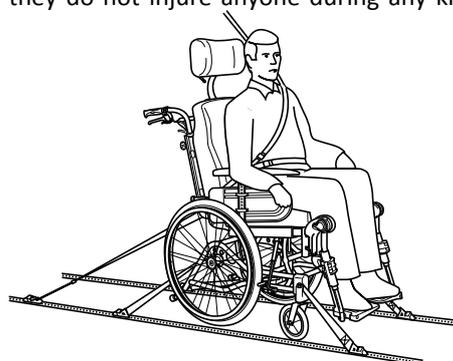
However, in situations where conditions defer from the test conditions or where the guidelines in this manual are not followed, Invacare cannot be held responsible for the possible outcome of an accident. Configurations and accessories that are unsuitable to be used as a seat in transportation in a vehicle are mentioned later on in this chapter.

Please also read section: "Compliance" for further information.

7.2 Transporting occupied / unoccupied wheelchairs in vehicles



1. The wheelchair and user should be transported forward-facing in the travel direction. All auxiliary equipment such as tables, trunk support, abduction cushion etc should be removed and stored safely so that they do not injure anyone during any kind of accident.



2. The wheelchair should be secured in the vehicle with a 4-point restraint system. The user should wear a 3-point safety belt secured in the vehicle.



WARNING!
Risk of injury

- Safety restraint devices must only be used when the wheelchair user's weight is 22 kg or more. When the user weight is lower than 22 kg, do not use the wheelchair as a seat in a vehicle.



WARNING!
Risk of serious injury during transport

In a vehicle, a user in his wheelchair must be secured by a safety belt (3-point belt). A posture belt only is not sufficient as a personal restraint device.

- Use the posture belt as a complement, but not as a substitute to the 3-point safety belt, when transporting the wheelchair user in a vehicle.



WARNING!
Risk of injury if the wheelchair is not properly secured

In the event of an accident, braking manoeuvre, etc. you may suffer serious injuries from flying wheelchair parts.

- Always remove the rear wheels when transporting the wheelchair.
- Firmly secure all wheelchair components in the means of transport to prevent them from coming loose during the journey.



WARNING!
Risk of injury

- Both the 4-point restraint system and the 3-point safety belt must be approved according to ISO-10542-2.



3. The tie-down points on the wheelchair where the restraint system straps should be placed are marked with this symbol.



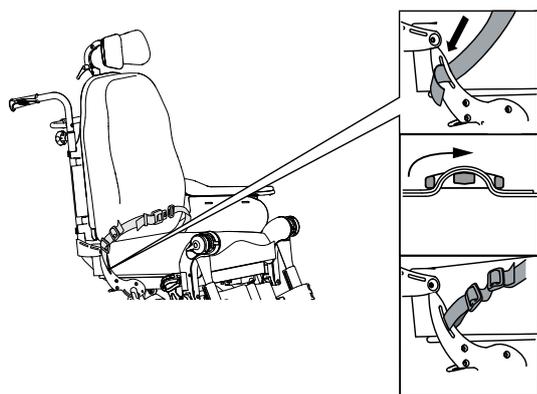
For vehicles where the wheelchair cannot be restrained, there are no existing test methods. If there are existing marked areas for wheelchairs in the vehicle, we recommend to use these and follow the guidelines, if any, for placing the wheelchair.

7.2.1 Backrest and seat angles



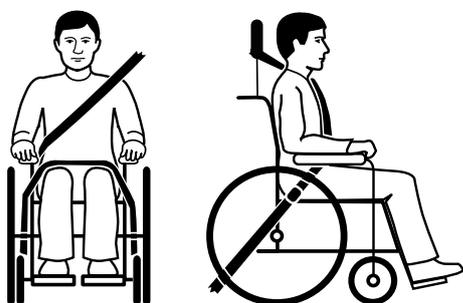
When transporting an occupied wheelchair in a vehicle, the recommended angles for backrest and seat, are 2° for the backrest and 6° for the seat.

7.2.2 Posture belt



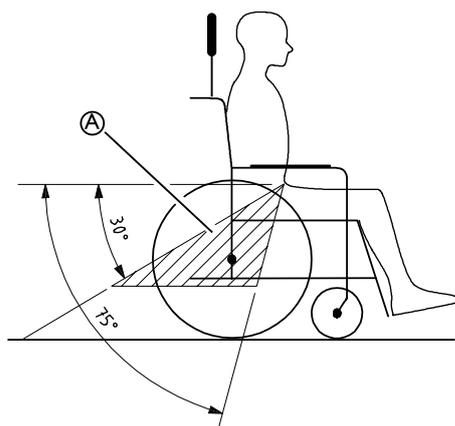
1. In order to be used as a seat during transport in a vehicle, the wheelchair must be equipped with a posture belt.

i Invacares original posture belt must be used as a complement to the safety belt in the vehicle!



2. The vehicle's safety belt should fit as tightly across the user's body as possible without discomfort. The upper part of the safety belt should fit over the user's shoulder as illustrated. No part of the safety belt must be twisted.

i No part of the safety belt must be twisted.



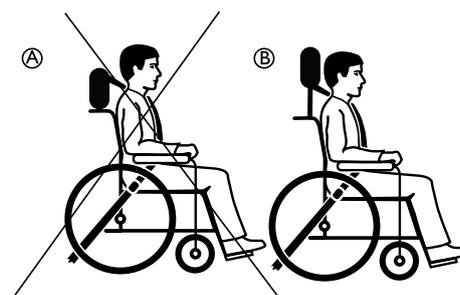
3. The pelvic part of the 3-point safety belt must be worn low across the pelvis. The angle of the posture belt shall be within the preferred zone (A).

i The angle of the posture belt must never exceed 75°.



i Incorrect placement of safety belt

4. The 3-point safety belt must not be held away from the user's body by parts of the wheelchair such as armrests or wheels etc.



(A) Incorrect placement of the neckrest

(B) Correct placement of the neckrest

5. A neckrest should always be used during transport and it should be adjusted as shown in the picture.

7.2.3 Ramps and slopes



WARNING!
Risk of injury

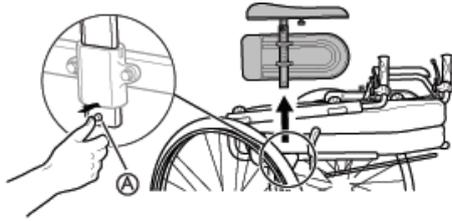
The wheelchair can move forward / backward uncontrollably by mistake.

- Never leave the user unattended when transporting the wheelchair up or down ramps or slopes.

7.3 Disassembly for transport

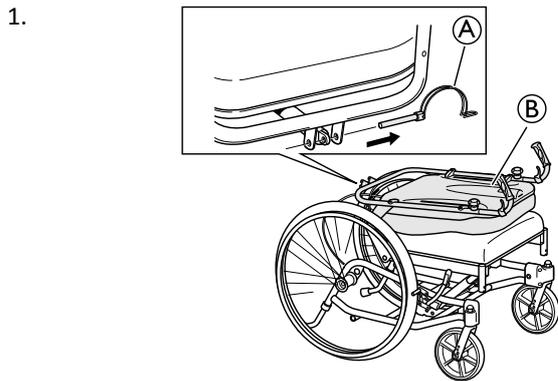
The Rea® Azalea is easy to prepare for transport.

7.3.1 Armrest

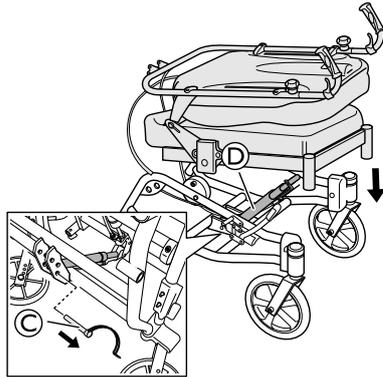


1. Press and hold the release button (A).
2. Remove the armrest.

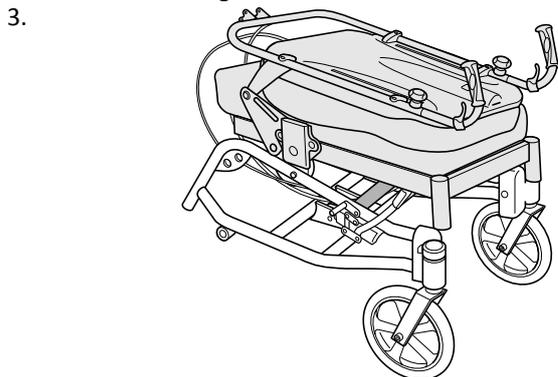
7.3.2 Folding the backrest



2. Remove the safety pin (A) and fold the backrest (B).



3. Remove the pin (C) from the lower gas piston (D) to reduce the height of the folded chair even more.



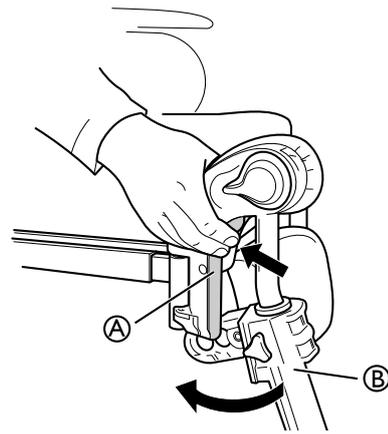
Fold the chair and load it into the vehicle.



CAUTION!
Risk of pinching

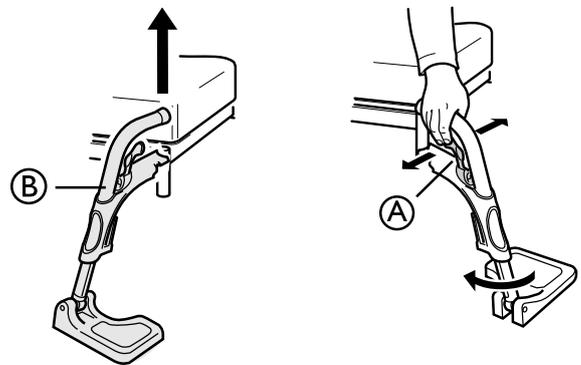
– Be careful not to trap your fingers between the seat and the frame.

7.3.3 Remove the legrest angle adjustable



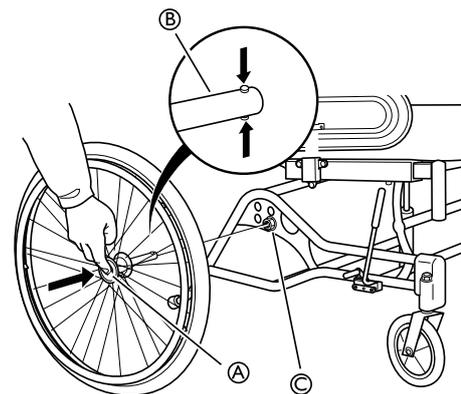
1. Push the lever (A) inwards.
2. Turn the legrest (B) outwards.
3. Lift of the legrest.

7.3.4 Remove the footrest fixed



1. Push the handle (A) forwards or sideways.
2. Turn the footrest (B) outwards.
3. Lift off the footrest.

7.3.5 Rear wheels



1. Push the quick-release button (A).
2. Pull the rear wheel straight out and remove the wheel and the rear wheel axle (B) from the rear wheel attachment (C).

8 Maintenance

8.1 Daily performance check

Check that the following parts are correctly mounted on the wheelchair:

- Wheels
- Backrest
- Anti-tip device
- Push handles
- Footrests

8.2 Safety information

Regular checks and maintenance of the wheelchair ensure the user's safety and the expected lifetime of the chair.

8.3 Cleaning

- Wipe metal parts and the upholstery regularly with a damp cloth.
- A mild detergent can be used.
- If necessary, the upholstery can be washed at 60° C.
- Ordinary washing powder/liquid can be used.
- For disinfection only use alcohol based detergent.

 Only use water and soft soap to clean the table!

8.4 Washing and disinfection

1. Remove all loose and removable covers and wash them in a washing machine according to the washing instructions for each cover.
2. Remove all padded parts such as seat cushions, armrests, headrest/neckrest with fixed padded parts, calf pads and so on and clean them separately.

 The padded parts can not be cleaned with a high-pressure cleaner or water jet.

8.5 Maintenance schedule

Check....	Weekly	Monthly	6 months	Action:
Tire pressure	X			Recommended air pressure for rear wheels: Standard tires 3.5 bar 50 psi Recommended air pressure for castors: Low profile tires 8" 4.0 bar
QR axles rear wheels	X			Pull on the rear wheel to check that the removable axle does not come off.
All fasteners for wear and tightness		X		Bolts and other fasteners can come loose due to constant use. 1. Check that the fasteners are tight on the castor forks, footrest, seat, side supports, backrest, handles etc. 2. Tighten any loose bolts.
Castors		X		1. Check that the castors turn freely. 2. Remove any dirt and hair.
Anti-tip devices			X	Check that the anti-tip device is easy to adjust and fold.

3. Spray the wheelchair chassis with detergent, for example a car-cleaning agent with wax, and leave on to work.
4. Rinse the wheelchair chassis with a high-pressure cleaning or ordinary jet of water depending on how dirty the wheelchair is. Do not aim the jet towards bearings and draining holes. If the wheelchair chassis is washed in a machine the water must not be hotter than 60° C.
5. Spray the wheelchair chassis with alcohol for disinfection.

 Only use water and soft soap to clean the table!

6. Leave the wheelchair to dry in a drying cabinet. Remove parts where water has collected for example in end tubes, ferrules etc. If the wheelchair has been washed in a machine, blow-drying with compressed air is recommended.

Dartex®

Lighter stains on the fabric may be neutralized with a soft damp cloth and some neutral detergent. To neutralize larger, more persistent stains, wipe the fabric with alcohol or turpentine substitutes, and wash with hot water and a neutral detergent.

Proprietary disinfectants may be used, provided that the manufacturer's instructions are followed. The fabric can be washed at temperatures up to 71° C (160° F). Normal detergents can be used.

 All parts of the wheelchair with Dartex® upholstery, such as armrest pads, calf pads, headrest/neckrest, should be cleaned according to the instruction above.

Chassis			X	<p>Check the chassis for wear and tear like loose parts, cracks or other defects.</p> <p> A damaged chassis should be checked by a specialist.</p>
Upholstery			X	<p>Check the upholstery for wear and tear like loose parts, rips or other defects.</p>
Brakes		X		<ol style="list-style-type: none"> 1. Check that hub brakes work properly on both tires. 2. Check the positioning of the user brakes.

8.6 Flat tire



In case of a tire puncture consult a suitable workshop (e.g. bike repair shop, bicycle dealer ...) to have the tube replaced by a skilled person.

9 After Use

9.1 Recycling

The wheelchair can be divided into the following main components:

- Chassis
- Plastic parts
- Upholstery
- Wheels, tires and tube
- Packing

9.2 Waste disposal

Please be environmentally responsible and recycle this product through your recycling facility at its end of life.

Waste disposal must comply with the laws and regulations pertaining waste handling in each country.

Invacare® is continuously working towards ensuring that the company's impact on environment, locally and globally, is reduced to a minimum. We only use REACH compliant materials and components.

The wheelchair can be divided into the following main components:

Chassis

- The chassis is produced in steel and is fully recyclable.
- Recycling of steel requires only 20-25% of the energy compared to new produced steel.
- The wheelchair has two gas pistons and they contain oil and must be disposed according to national requirements.

 Be aware of that the gas pistons contains high pressure and must be handled with care during destruction.

Plastic parts

- The plastic parts in the chairs are produced of "Thermoplastic" and are marked with recycling symbols (where it is possible due to part size).

- The main plastic material is polyamide.
- The plastic materials for the table are ABS and polyamide.
- This material can be recycled or burned in approved facilities.

Upholstery

- Upholstery is produced of polyester fibres (PUR) and Dartex®.
- The efficient way to recycle the parts is to burn them in approved facilities.

Wheels, tires and tubes

- The handrim, rim, spokes and hub are made of steel, stainless steel or aluminium and can be recycled according to above.
- Tires and tubes are made of rubber and can be recycled according to above.

Packing

- All packing material is developed to fit the products in an optimal way to reduce unnecessary material waste.
- All boxes are recyclable.

End of life

At the end of this products life, it should be recycled according to laws and regulations for waste handling in each country.

 Contact your local recycling agent to obtain the correct information on how to handle the above mentioned materials.

9.3 Reuse

This product is suitable for reuse after the following has been performed by a specialist dealer:

- Cleaning and disinfection
- Full inspection
- Reconditioning

10 Technical Data

10.1 Dimensions and weights


WARNING!
Limited access to emergency escape routes

- In some combinations, the total width and length of the wheelchair exceeds the recommended measurements for emergency escape routes.
- The recommended values concerning access to emergency escape routes are: Length max. 1200 mm and width max. 700 mm.

	CLEMATIS
Effective seat width *	390 / 440 / 590 mm
Seat depth	420–480 mm
Seat height *1	400–450 mm
Backrest height *1 / *2	600–710 mm
Armrest height (Armrest to seat distance) *1	230–340 mm
Legrest length (Footrest to seat distance)	400–520 mm
Overall width	SW +210 mm
Tilt adjustment (seat plane angle)	-1° – +19°
Total height	960–1120 mm
Total length (Overall length with legrests)	1120–1480 mm
Weight	30 / 32 /33,5 kg
Max. user weight	125 kg
Transport weights *3	20,5 / 21 / 21,5 kg
Backrest adjustment	-1° – +32°
Folded length	840 mm
Folded width	585 / 635 / 685 mm
Folded height	535 mm
Static stability uphill	12° – 18°
Static stability downhill	10° – 18°
Static stability sideways	12°
Maximum slope with parking brake	7°
Leg to seat surface angle	96° – 211°
Front location of armrest structure	343 – 571 mm
Handrim diameter	450 – 540 mm
Horizontal location of axle	-35 – 35 mm
Minimum turning radius	820 mm



* +20 mm with spacers

*1 Measured from seat plate.

*2 Excluding neckrest and push handles

*3 Without rear wheels, neckrest, armrests, legrests, trunk supports and seat cushion



In some configurations, the overall dimensions exceed the recommended dimensions for a wheelchair.

	16"	20"	22"	24"
Width of the wheels	1 3/4"	1 3/8"	1 - 1 3/8"	1 - 1 3/8"
Wheel inclination	0° (Wheelchair without load)			

10.1.1 Maximum weight of removable parts

Maximum weight of removable parts	
Part:	Maximum weight:
Legrest angle adjustable with calf pad and footrest	3,1 kg
Armrest	2,0 kg
Rear wheel 24" solid with handrim and spoke guard	2,5 kg
Headrest / Neckrest / Cheek support	1,4 kg
Trunk support	0,8 kg
Backrest cushion	2,0 kg
Seat cushion	1,9 kg
Table tray	3,9 kg

10.2 Material

Chassis, backrest tubes	Steel, powder coated
Plastic parts like push handles, brake handles, foot plates and parts of most accessories	Thermoplastic (e.g. PA, PE, PP, ABS and TPE) according to marking on the parts
Upholstery (seat and backrest)	Foam PUR and Polyether, fabric Dartex® and plush
Table	ABS
Seat plate	Coated Birch plywood
Other metal parts	Zink alloys, aluminium alloys and steel
Screws, washers and nuts	Steel, corrosion free

10.3 Environmental conditions

	Long term / Short term storage and transportation	Operation
Temperature	-10° C to +50° C	-5° C to +40° C
Relative humidity	20% to 75%	
Atmospheric pressure	800 hPa to 1060 hPa	

 Be aware that when a wheelchair has been stored under low temperatures, it must be adjusted to operating conditions before use.

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