VERMEIREN







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Preface

First of all we want to thank you for putting your trust in us by selecting one of our wheelchairs.

The Vermeiren wheelchairs are the result of many years of research and experience. During the development, special attention was given to the ease of use and the serviceability of the wheelchair.

The expected lifetime of your wheelchair is strongly influenced by the care and maintenance of the wheelchair.

This manual will help you get acquainted with the operation of your wheelchair.

Following the user instructions and the maintenance instructions are an essential part of the warranty.

This manual reflects the latest product developments. Vermeiren has the right to introduce changes without the obligation to adapt or replace previously delivered models.

For any further questions, please consult your specialist dealer.



1 Productdescription

1.1 Intended Use

The wheelchair is intended for children with a disability or movement dysfunction through brain damage.

The wheelchair is designed to transport 1 child.

The wheelchair is suited for indoor and outdoor use in combination with a supervisor.

The Gemini can be pushed by an attendant or the parent.

The modular aluminum construction allows to choose the optimal design in specific need to your child. Together with a variety of colors for the frame will this chair ensure a physical and mental happiness for your child.

When providing for individual requirements:

- body size and weight
- physical and psychological condition
- residential circumstances
- environment

should be taken into consideration.

Your wheelchair should only be used on surfaces where all four wheels are touching the ground and where there is sufficient contact to propel the wheels equally.

You should practice for use on uneven surfaces (cobblestones, etc.), slopes, curves and to get past obstacles (curbs, etc.).

The wheelchair should not be used as a ladder, nor is it a transport for heavy or hot objects.

When used on mats, carpeted floors or loose floor coverings, the floor covering can get damaged.

Use only Vermeiren approved accessories.

The manufacturer is not liable for damage caused by the lack of or improper service or as a result of not following instructions from this manual.

Compliance with the user and maintenance instructions are an essential part of the guarantee conditions.



1.2 Technical specifications

Technical terms below are valid for the wheelchair in standard settings. If other footrest or other accessories are used, the tabulated values will change.

Make	are used, the tabulated values will change. Vermeiren					
Address	Vormeinennlein 4/45 D 2020 Kelmtheut					
Туре	Manual wheelchair					
Model	Gemini					
Description	Gemini 32	Gemini 40	Gemini 45			
Maximum occupant mass	35 kg	50 kg	60 kg			
Effective seat width	320 mm	400 mm	450 mm			
Overall width (depends on the model)	630 mm	690 mm	740 mm			
Overall length (footrest open, back in laying position)	1300 mm	1400 mm	1400 mm			
Overall length (footrest closed, back in seating position)	770 mm	980 mm	980 mm			
Folded length	850 mm without rear wheels: 800 mm	950 mm without rear wheels: 900 mm	950 mm without rear wheels: 900 mm			
Folded width	610 mm without rear wheels: 570 mm	670 mm without rear wheels: 630 mm	720 mm without rear wheels: 680 mm			
Folded height	460 mm without rear wheels: 350 mm	560 mm without rear wheels: 460 mm	560 mm without rear wheels: 460 mm			
Total height (including push bar)	1180 mm	1230 mm	1230 mm			
Total mass	± 13,5 kg	± 21 kg	± 25 kg			
Mass of heaviest part	± 12,5 kg	± 20 kg	± 24 kg			
Masses of parts that can be dismantled or removed	Rear wheels: 1 kg	Rear wheels: 1 kg	Rear wheels: 1 kg			
Static stability downhill	10°	(in standard configuratio	n)			
Static stability uphill	10°	(in standard configuratio	n)			
Static stability sideways	10°	(in standard configuratio	n)			
Obstacle climbing	40 r	mm (when seated correc	tly)			
Seat plane angle	55°	25°	25°			
Effective seat depth	280 - 340 mm	360 mm	420 mm			
Seat surface height at front edge	500 mm	500 mm	500 mm			
Backrest angle	45°	45°	45°			
Backrest height	510 – 640 mm	630 – 750 mm	700 – 780 mm			
Distance between footrest and seat	250 mm - 340 mm	390 – 450 mm	390 - 450 mm			
Angle between seat and footrest	90°- 180°	90°- 180°	90°- 180°			
Distance between armrest and seat	200 mm 200 mm		200 mm			
Front location of armrest structure	360 - 370 mm 360 - 370 mm 360 - 370 mm					
Handrim diameter		Not applicable				
Horizontal location of axle (deflection)	230 mm	150 mm	150 mm			
Minimum turning diameter	1100 mm 1200 mm					
Diameter Krypton PU Rear wheels	310 x 50 (12" ½ x 2" ¼)					
Tyre pressure, rear (driving) wheels (for air tyres)		Max. 2,0 bar				
Diameter Krypton PU steering wheels		200 mm x 50 mm				



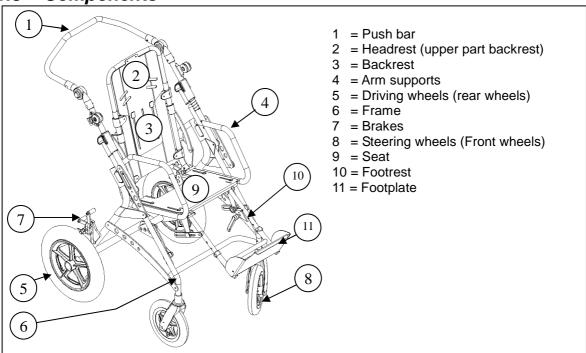
Tyre pressure, steering wheels (for air tyres)		Max. 2.5 bar		
Change the direction of the seat	Yes	No	No	
Storage and use temperature	+5℃		+ 41 ℃	
Storage and use humidity	30% 70%			
We reserve the right to introduce technical changes. Measurement tolerance ± 15 mm / 1,5 kg / °				

Table 1: Technical specifications Gemini

The wheelchair complies to the requirements set up in:

ISO 7176-8: Requirements and test methods for static, impact and fatigue strengths.

1.3 Components



1.4 Accessories

The following accessories are available for the Gemini:

Clamps

These clamps are made in a specific shape coated with foam making contact very gentle. The clamps are connected to the frame of the side supports with special tube locks. By letting the tubes of the clamps hinge, two possible positions become available (high or low position).

Foot belts

The feet of your child can easily be held into place by usage of the foot belts made out of Velcro strips.

Collapsible cover

The accessory enhances the comfort of the Gemini. Special holes in the frame of the Gemini are made to fix the cover. It suffices to lock the ends of the cover into the holes. Depending on the needs, the cover can open or closed.

Table

Barrier

We offer a wide range of interesting and useful additional elements for the Gemini, which will increase the comfort and usefulness of the Gemini. Please refer to your local dealer for more information on the available options.



1.5 Explanation of symbols



Maximum mass



Indoor and outdoor use



Down slope



Up slope



CE conformity



Not crash-tested

1.6 Safety rules

- To prevent injury and/or damage to your wheelchair, make sure that no objects and/or body parts are caught in the driving wheels.
- ⚠ The parking brakes should be applied before getting into and out the Gemini.
- ⚠ When getting into and out the wheelchair, do not stand on the footplate. These should be folded up beforehand.
- Investigate the effects of shifting the centre of gravity on the behavior of the wheelchair, for example on up or down gradients, on laterally sloping ground, or when overcoming obstacles. Obtain support from an attendant.
- If you want to pick up something (lying in front of, on the side, or to the rear of the wheelchair), you should not lean too far out to avoid tipping over.
- Mhen moving through doors, arches, etc. ensure that there is enough room at the sides so that you do not get your hands or arms caught or crushed and that there is no damage to the wheelchair.
- Only use your wheelchair according to regulations. For example, avoid uncontrolled rolling against obstacles (steps, curbs, doorframes, etc) or dropping down from ledges. The manufacturer cannot assume liability for damage caused by overloading, collision or other improper use.
- ⚠ Stairs may only be negotiated when aided by another person. If furnishings like drive-on, ramps or lifts are available, use them.
- When moving on the public highway, you are subject to the rules of the road.
- ⚠ When travelling outdoors, adapt your driving to weather and traffic conditions.
- ⚠ When transporting the wheelchair, never pick it up by grasping movable parts (footrest, rear wheels, etc.).
- To be better visible when driving in the dark, wear the brightest possible clothing or clothes with reflectors, and check that the reflectors mounted on the sides and rear of the wheelchair are clearly visible.
- ⚠ Be careful when using possible causes of fire such as cigarettes since they may set the seat and back covers alight.
- A Never exceed the maximum load.
- Check the profile depth and the inflation pressure of the tyres.
- ⚠ Only use a Gemini which has been adjusted to the weight and length of the child.
- The Gemini cannot be tipped too much backwards because the shift of the centre of gravity may cause the Gemini to flip backwards.
- ⚠ The person who operates the wheelchair must be aware of the responsibility of his actions concerning the correct usage of the Gemini.



2 Use

This chapter describes the everyday use. These instructions are for the user and the specialist dealer.

The wheelchair is delivered fully assembled by your specialist dealer. The instructions intended for the specialist dealer on how to set up the wheelchair are given in § 3.

2.1 Carrying the wheelchair

The best way to carry the wheelchair is to make use of the wheels and roll the wheelchair.

If this is not possible (e.g. when the rear wheels are taken off for transportation in a car), firmly grasp the frame on the front and the grips. Do not use the footrest or the wheels to grasp the wheelchair.

Also is it possible to fold the Gemini for a pretty easy transport.

2.2 Mounting or removing the rear wheels

▲ CAUTION: Risk of injury – Check that the rear wheels are correct mounted with the quick release axle (B80) before using the Gemini.

The fast and safe removal of the wheels is very convenient for transport in smaller cars. By usage of the special axles B80, a fast removal is possible. Use your thumb to press the button on the wheels to the inside. After that, the wheel can be removed. For mounting the wheels again, the same procedure needs to be followed. Push the button on the axle and slide the axle in the wheel to lock it into position.

Improper assembly or use of tyres other than ours voids any warranty claim.

2.3 Unfolding the wheelchair

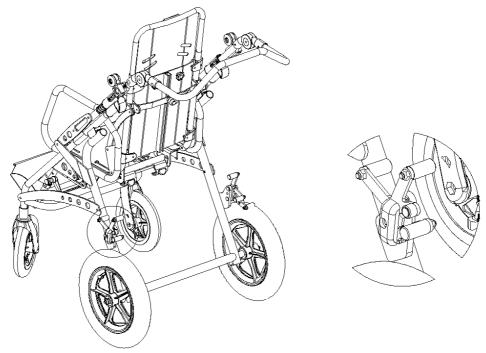
- ▲ CAUTION: Risk of clamping Keep fingers away from moving parts of the wheelchair.
- 1. Mount the rear wheels.
- 2. Unfold the full frame of the Gemini, by unfolding the tubes.
- 3. Fold the frame of the backrest backwards and place the headrest in a comfortable position for the child.
- 4. Unfold the footrest.

2.4 Operating the brakes

- ▲ WARNING: The brakes are not used to slow down the wheelchair during movements – Use the brake only to prevent the wheelchair from unintended movements.
- ▲ WARNING: Good operation of the brakes is influenced by wear and contamination of the tires (water, oil, mud, ...) Check the condition of the tires before each use.
- ▲ WARNING: The brakes are adjustable and can wear Check the operation of the brakes before each use.
- ▲ CAUTION: Risk of unintended movement Make sure the wheelchair is on a flat horizontal surface before releasing the brakes. Never release both brakes simultaneously.

The person who is pushing the Gemini is responsible for the correct usage of the brakes and the usage of them on both wheels. The Gemini has been equipped with separate brakes for each wheel.





A brake with blocking clamps which will be pushed against the wheel when the pedal is being pushed. By pushing on the upper pedal, the brake will be released. A good performance of the breaks depends on the correct tyre pressure.

If the brakes have lost their effectiveness because of wear and tear and/or damage to the tyres and inner tubes, we advise you to consult your specialist dealer to renovate the system, since he has suitable tools and knowledge.

Improper maintenance or the use of unsuitable tools might cause damage and/or loss of function.

2.5 Wedge (B22)

By default, a wedge, covered with textile, is mounted on the seating element. It will prevent your child from sliding out of the Gemini. The wedge has been mounted by a screw (M6). It can easily be adjusted by loosening/tightening the screw.

The usage of the wedge depends on the physical and mental condition of your child.

2.6 Safety belts

MARNING: Risk of injury – Make sure all the safety belts are locked into place before driving the Gemini.

Every Gemini has been equipped with adjustable belt to the purpose of a correct and safe seating position. These belts have an adjustable length and are mounted to the seating frame. The ends are connected to each other by means of a central lock.

After applying the safety belts to your child, you need to hear an auditable clicking sound to make sure the belts are locked into place. Push the buttons on the locks to release them

again. The belts can only be adjusted after the locks are into place.

Adjusting the safety belts

Adjusting the length of each belt is done individually by shortening or extending the length of each belt by means of the buckles.



The connection points of the belts on the plate of the back support can be located in different positions depending on the size of your child. To do so, the shoulder belts need to go through the oval openings in the back support and retightened again.

The correct procedure of adjusting the length of the safety belts and the power by which they are drawn will influence the safety and driving comfort of your child.

In case of questions regarding the locking and safety systems, please refer to our dealers.

2.7 Transfer in and out the wheelchair

△ CAUTION: Risk of tipping over of the wheelchair – Do not stand on the footplate.

- 1. Position the wheelchair as close as possible to the chair, couch or bed to/from you wish to transfer.
- 2. Check both brakes from the wheelchair are in the on position.
- 3. Fold the footplate upwards to prevent standing on them.
- 4. Transfer the child to/from the wheelchair.

2.8 Correct position in the wheelchair

Some recommendations for a comfortable use of the wheelchair:

- Position your backside as close as possible to the back rest.
- Make sure your upper legs are horizontal If needed adjust the length of the footrest. (see § 3.4.2)

2.9 Riding the wheelchair

- **⚠ WARNING:** Risk of clamping Be careful passing through restricted passages (e.g. doors).
- MARNING: Risk of burns Be careful when driving in hot or cold environments (sunshine, extreme cold, saunas, etc.) for a sufficient amount of time and when touching Surfaces can assume the environment temperatures.
- 1. Release the brakes.
- 2. Take the push bar.
- 3. Push the wheelchair by an attendant or parent.

The Gemini has been equipped with rubber pushing handles, which have been mounted, on a adjustable clamp. This will make it easier for the person who pushes the Gemini and remain a firm grip under different driving circumstances.

Setting the clamp

Simultaneously, push both buttons at the clamp and lock in the desired position. Releasing the buttons will automatically lock the clamp in the desired position.

2.10 Moving on slopes

- **⚠ WARNING:** Control your speed Moving on slopes as slow as possible.
- MARNING: Consider the capacities of your attendant If your attendant does not have enough force to control the wheelchair, put on the brakes.
- ▲ WARNING: Risk of tipping over Lean forward to move your centre of gravity forward. To improve a better stability.



- 1. If available on the wheelchair, wear the safety belt.
- 2. Do not attempt moving on too high slopes. The maximum slope angles (upwards and downwards) are mentioned in table 1.
- 3. Lean forward to move your centre of gravity forward.
- 4. Push the wheelchair up or down the slopes.

2.11 Negotiating steps or curbs

2.11.1 Getting down steps or curbs

Riding down curbs can be done moving forwards. Make sure that the footrest do not touch the ground.

- 1. Ask the attendant/parent to tip the wheelchair slightly backwards.
- 2. Get past the curbs while moving on the rear wheels.
- 3. Put the wheelchair back on the four wheels.

2.11.2 Moving up steps or curbs

Moving up steps or curbs with attendant as follows:

- 1. Prevent the footrest from touching the curbs.
- 2. Ask the attendant to tip the wheelchair backwards, just enough to move the front wheels over the curbs.
- 3. Lean backwards to move your centre of gravity above the rear wheel.
- 4. Place the front wheels on the curbs.
- 5. Roll rear wheels of the wheelchair over the curb.

Higher curbs are negotiated backwards:

- 1. Turn the wheelchair to have the rear wheels facing the curbs.
- 2. Lean backwards and move your centre of gravity above the rear wheels.
- 3. Ask the attendant to pull the wheelchair on the curbs.
- 4. Take back the normal position in the wheelchair.

2.11.3 Taking of stairs

Taking of stairs while you staying in the wheelchair shall be according following rules:

- **⚠ WARNING:** Risk of tipping over Taking of stairs shall always with 2 attendants.
- ▲ WARNING: Risk of injury Lifting the wheelchair while the patient is seated in the wheelchair is forbidden! Always keep the rear wheels on the ground/stairs.
- **★ WARNING:** Risk of injury Wear suitable safety belt systems while being transported (information obtainable from your specialist dealer).
- **⚠** WARNING: Risk of injury or damages No persons or objects should be below the wheelchair while being transported.
- 1. Remove the accessories.
- 2. One attendant tip the wheelchair slightly backwards.
- The second attendant take the front of the frame.
- 4. Stay calm, avoid sudden movements and keep your arms inside the wheelchair.
- 5. Take the steps on the rear wheels of the wheelchair.
- 6. Mounting the accessories back after taking the stair.



2.11.4 Using ramps

- ▲ WARNING: Risk of injury Do not exceed the maximum load of the ramps.
- ▲ WARNING: Risk of injury Choose the correct ramps so there cannot be caused any injury or damage. We do not accept any liability for injury or damage caused by an improper choice of ramps.
- ▲ WARNING: Risk of injury Be sure that the wheel height is high enough to get over the free height of the ramps. The wheelchair frame may not touch the ramps.
- MARNING: Risk of injury Use a restraining safety belt to secure yourself in your wheelchair.
- MARNING: Risk of tipping over Put the adjustment functions (seat--horizontal, back--vertical, ...) that the wheelchair has the best stability.

If you are considering the installation of ramps to overcome obstacles, kindly note the following:

Never go up or down ramps without the aid of a helper.

2.12 Fold up the wheelchair

- ▲ CAUTION: Chance of pinching Do not place fingers between the components of the wheelchair.
- 1. Follow the instructions regarding the folding of the footplate and if needed remove or shorten the undercarriage of the footrest.
- 2. Fold the frame of the backrest into the direction of the seat (as far as possible) and shorten the headrest if needed.
- 3. At the same time, pull both sliders upwards. Due to the folding of the tube, the full frame of the Gemini folds.
- 4. Remove the rear wheels.

2.13 Transport in the car

- ▲ DANGER: Risk of injury The wheelchair is not suited for use as a seat in a motor vehicle.
- MARNING: Risk of injury See that the wheelchair is attached properly. So you can avoid injury from the passengers during collision or sudden braking.
- **▲ WARNING:** Risk of injury Use for attaching the wheelchair and passenger NEVER the same seatbelt.

Never use your wheelchair as a seat in an automobile or other vehicle. The wheelchair shall be marked with following symbol.



To transport the wheelchair in the car use following steps:

- 1. Remove accessories.
- 2. Store accessories safely.
- 3. Fold up the footrest.
- 4. If possible, fold the wheelchair and remove the rear wheels.
- 5. Place the wheelchair in the luggage place.
- 6. If the wheelchair and the passenger compartment is NOT separated, attach the frame of the wheelchair securely to the vehicle. You can use the available safety belts in the vehicle.



2.14 Transport in other vehicles

Examples of other vehicles are airplanes, buses, ships, trams, trains etc. You should ask the service officials about travelling safely with your wheelchair to your intended destinations and about the applicable requirements.

The wheelchair can be transported in an airplane. The wheelchairs shall be checked at the desk. Announce the wheelchair on time by the concern airline before departure. Do not use the wheelchair as a seat in an airplane or other vehicles, the wheelchair must be stored in the luggage place.

To transport the wheelchair in an airplane note the following requirements:

1. Dimensions and weight of the wheelchair

The allowable weight and dimensions of the wheelchair depends on the type of the airplane.

2. Damage on the wheelchair

It is possible that the wheelchair could be damaged because the wheelchair will be stored in a narrow area with the suitcases and other goods.

To prevent damage on the wheelchair:

- Remove the accessories.
- Fold the footrest upwards and fold up the wheelchair.
- Check that the adjustment levers are positioned inwards.

Before travelling contact the concern airline about their requirements for transporting the wheelchair in an airplane or other vehicle.

3 Installation and adjustment

The instructions in this chapter are for the specialist dealer.

The Vermeiren wheelchairs Gemini has been designed entirely for your comfort.

To find a service facility or specialist dealer near you, contact the nearest Vermeiren facility. A list of Vermeiren facilities can be found on the last page.

- ▲ WARNING: Risk of unsafe settings Use only the settings described in this manual.
- **▲ WARNING:** Variation of allowed adjustments can still change the stability of your wheelchair (tilt back or sideways).

3.1 Tools

To set up the wheelchair the following tools are needed.

- Wrench set n°10 to n°19
- Allen key set n°4 to n°5
- Screwdriver Phillips head

For the Gemini 40 and 45 you do not need tools.

3.2 Manner of delivery

The Vermeiren Gemini shall be delivered with:

- 1 frame structure
- rear wheels mounted on a fast-lock system (B80) and front wheels
- footrests with adjustable inclination and length
- back (inclinable with adjustable height
- removable seat with adjustable inclination and depth



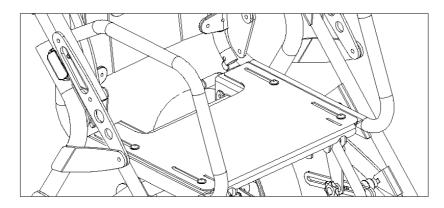
- parking brakes
- side support (L03)
- wedge (B22)
- head cushion
- safety belts
- tools
- manual
- accessories (optional)
- air pump (with pneumatic tyres only)

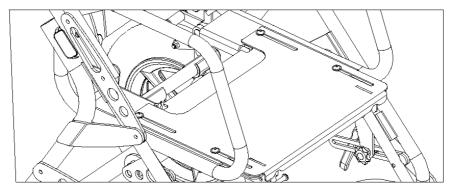
Before use check if everything is included and that no products are damaged (example by transport, ...).

When delivered, your product has been set to be used in proper conditions. Only the length of the footrest, the ideal inclination of the backrest and seat need to be adjusted to your own specifications (follow the instructions in this manual).

3.3 Adjusting the seat depth

The function (not available on Gemini 40 and Gemini 45) to alter the depth of the seat can be used after loosening the bolts (M6) on the seating plate (The needed tools are included in the package) and sliding the full segment into the desired position. The range of the adjustment is about 60 mm, which, in combination with the range of other adjustments of the Gemini, allows a wide variety of adjustments.







3.4 Footrest

- ▲ WARNING: Risk of injury Check that the footrest is securely locked in place before use.
- **⚠ WARNING:** Risk of injury Check the screw connections are secured before using the footrest.
- ▲ WARNING: Risk of injury, stability Check the position of the adjustment knobs every time to prevent that they would be in a position that would endanger the user.
- **⚠ WARNING:** Risk of injury, stability Never stand on the footrest.
- ▲ CAUTION: Risk of clamping Keep objects and people away from the footrest swing range.

The foot support of the Gemini consists out of:

- 1. A foldable footplate
- 2. Undercarriage with blocking pins
- 3. Hinged upperparts with regulating strips

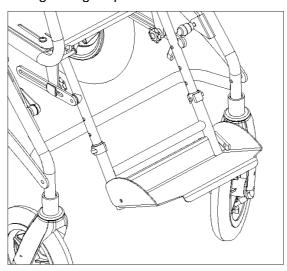


Fig. 1: Footrest standard Gemini

The foot support segment is connected to the seat module through a plate, which acts as a depth regulator for the seat. This design allows your child to put its legs in any desired position.

3.4.1 Positions of the footplate

By default the footplate is in a horizontal position.

With the emphasis on transport and rehabilitation and getting out of the Gemini, the footplate must be turned into the direction of the undercarriage of the foot support.

The footplate has been equipped with limiters at the rear and the sides to prevent uncontrollable sliding of the feet. As additional security, foot belts (B19) have been implemented.

3.4.2 Adjusting the length of the footrest

Gemini (Fig. 1):

Due to the super design of the Gemini, the footrest can be set into 4 different lengths: 250 - 280 - 310 - 340 mm (steps: 30 mm).

Adjust them as follows:

- Retract both blocking pins.
- Adjust the undercarriage of the foot support into the desired position.
- Block the undercarriage again with the blocking pins



Gemini 40 and 45 (Fig. 2):

The design of Gemini 40 and 45 provides a gradual change in the length of the footrest.

The footrest of the Gemini 40 and 45 can be changed in 3 different lengths:

390 - 420 - 450 mm (steps: 30 mm) Adjustments are made as follows:

- Pull the two locking pins 3.
- Move the footplate ① up- or downwards until the desired length.

• Retighten the two locking pins 3 again.



Fig. 2 Footrest Gemini 40 and 45

3.4.3 Adjusting the inclination of the footrest

Gemini (Fig. 1):

The adjustment of the inclination of the foot support to a range of 60°, in combination with other adjustments, will increase the possible positions of the Gemini. Adjust them as follows:

- Turn both adjustment knobs ① from the regulator strips loose.
- Adjust to optimal inclination for the footrest.
- Retighten both adjustment knobs ① again.

Gemini 40 and 45 (Fig. 2):

Changing the angle of the footrest can be in the range of 60 °. To raise the footrest to the top, pull on the upper frame ④, for the chosen location. The footrest shall be automatically locked in position.

Lowering the footrest should be performed as follows:

- Pull the lever © upwards.
- Determine the location of the upper frame ④.
- Release the lever which locks automatically.

For a correct adjustment of the footrest, turn to your specialist dealer who will support you with professional advice and technical support.

In case the disorder of your child makes the correct adjustment of the footrest difficult, turn to your specialist dealer who will find a suitable and proper solution.



3.5 Backrest

▲ WARNING: Risk of injury – Check the backrest is well fixated.

The Gemini has been equipped with a back with adjustable inclination and adjustable height. In combination with the adjustable seat and footrest will the Gemini provide optimal settings for your child.

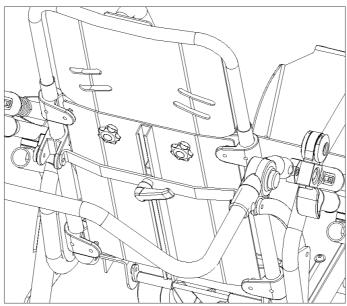
Depending on individual needs, two types of side supports (L03) can be mounted and will increase the comfort and safety of its users.

3.5.1 Adjusting the inclination of the back

Gemini:

In the back part of the metal frame is a slider located that can be locked with the adjustment handle M6. The release of this handle will ensure a seaming less transition from folded-position (easy for transport) to a laying-position. The laying-position has been secured with limiters.

The frame needs to be locked again, by means of adjusting handle M6, after adjusting the position of the back.

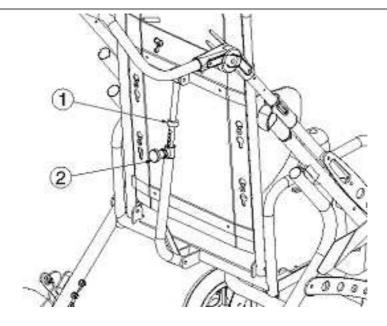


Gemini 40 and 45:

On the rear of the backrest frame is a rod ① and blocked fixing pin ②.

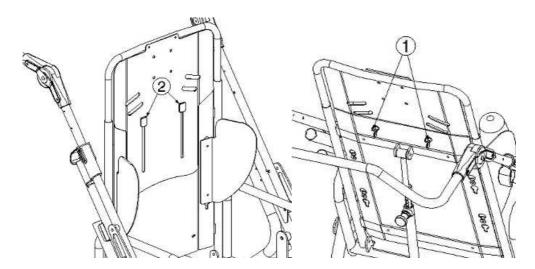
- 1. Pull the pin ② to change the angle of the backrest.
- 2. Pull or push on the backrest until the desired angle (6 different positions in steps of 8,5 mm). The maximum angle is when the rod ① hits the blocking pin ②. There is an extra hole (hole 7), that prevents that the backrest will be lift back in the vertical position when the backrest is folded to the seat.
- 3. Release the pin 2.
- 4. Check that the backrest is well fixated.





3.5.2 Adjusting the height of the back

- **★** WARNING: Risk of injury Check the all connections and bolts are secured before using the Gemini.
- MARNING: Risk of tipping over Do not place more weight on the back (example: a backpack or shopping bag). This will cause overweight at the back and may cause the Gemini to tip backwards, which can cause injuries to the user of the Gemini! Adding additional elements to the Gemini is only allowed after careful consideration and in collaboration with one of our retailers.



- 1. Loosen the two butterfly nuts ① on the back of the backrest.
- 2. Move the upper part (headrest) of the backrest upwards or downwards until the desired backrest height (510 640 mm for Gemini, 630 750 mm for Gemini 40 and 700 780 for Gemini 45).
- 3. Retighten the two screws ② and wing nuts ① firmly by hand.

On the board of backrest are 2 pairs of holes for the safety belts. This is an additional adjustment depending on the personal needs of each user.

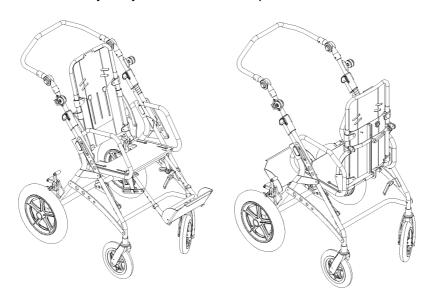


3.6 Seat

3.6.1 Rotating the seat

★ WARNING: Risk of tipping over – Be aware that you change the stability of your wheelchair because the center of gravity shall changed.

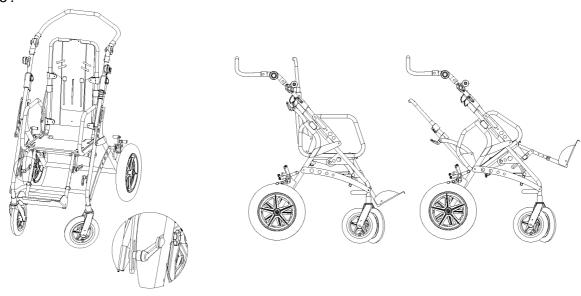
The construction of the Gemini (not available on Gemini 40 and Gemini 45) makes it very easy to adjust the inclination of the seat angle and the depth of the seat. Also a full conversion of the orientation of the seating parts towards the person who is pushing the Gemini has been made very easy and fast to accomplish.



3.6.2 Adjusting the inclination of the seat

Gemini:

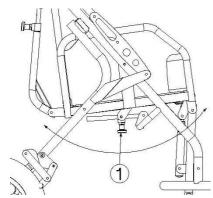
Releasing the 2 adjustment bars at the bottom allows the full module to turn in a range of 55°





Gemini 40 and 45:

GEMINI 40 and 45 stroller design also provides an angle adjustment of the seat frame.



To adjust the angle of the seat use instructions below:

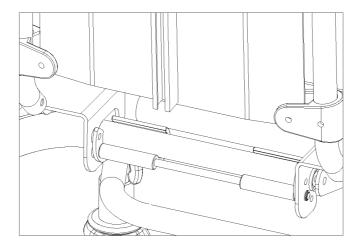
- 1. Pull the plunger ① just below the seat frame.
- 2. Move the seat frame until the desired inclination (6 different positions in steps of 10 mm).
- 3. Loosen the plunger ① until it clicks automatically in position.
- 4. Check that the plunger ① is well fixated.

A wide range in adjustments allows the Gemini to be positioned in many ways. From an almost vertical position (ideal for revalidation) till a laying position. By tightening the adjustment bars, the full seating part will be unmovable.

3.6.3 Mounting the seat element

- ▲ CAUTION: Risk of injury Check if the clamps are mounted correctly on the frame during the placement of the seat element.
- ▲ CAUTION: Risk of injury Make sure the locking clamps are locked before you push your child in the Gemini.
- ▲ CAUTION: Risk of clamping Make sure no fingers, buckles or clothes are squeezed between the seat element and the supportive part of the Gemini.
- ▲ CAUTION: Risk of injury Switching the direction of the seat is only allowed when the child is no longer present in the Gemini!
- **⚠** CAUTION: Risk of injury Do not use the Gemini without the seat element.
- ▲ CAUTION: Risk of injury Check all connections, screws are secured before using the Gemini.

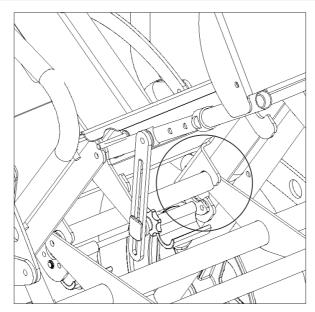
The Gemini stands for comfort when it comes to removing or switching positions of the seating element. As such, you can push the Gemini with your child facing forward or facing towards you.



The seat element will be disassembled as follows:

- Use the brakes to make the Gemini unmovable.
- Unlock the two clamps in the rear part.
- Slide the full element backwards and pull vertically upwards while holding on to the side supports.





Assembling the seat element will happen in reverse order as described above.

The seat of the Gemini can only be extended with additional elements after approval of your retailer.

3.7 Tyre changing

- ▲ NOTE: Always make sure that the wheels are sufficiently inflated, since it could affect the driving behaviour.
- ▲ NOTE: We do not accept any liability for wheels not supplied by the manufacturer.
- ▲ NOTE: There must be no air in the tube before it can be removed.
- **CAUTION:** Chance of damage If handled improperly, the rim might be damaged. Rather let an expert perform these activities.

If you want to change the tyres or inner tubes, you should note the following:

- 1. Let all the air out of the inner tube.
- 2. Insert a tyre lever between the tyre and the rim.
- 3. Slowly and gently push the tyre lever downwards. This will pull the tyre over the edge of the rim.
- 4. Then move the lever along the rim, the tyre will jump out.
- 5. Now carefully remove the tyre from the rim and then remove the tube.
- ▲ NOTE: Only an expert can guarantee correct assembly. Work not done by your specialist dealer, would void the warranty of claims.
- MARNING: Chance of damage and injury When mounting a tyre, make sure no objects or body parts are pinched between the tyre and the rim.
- ▲ CAUTION: Chance of damage When inflating the tyres, always check that the pressure is correct. The correct pressure is given on the tyre walls.
- ▲ CAUTION: Chance of damage Use only inflating equipment which complies with regulations and indicates the pressure in bar, or use the supplied air pump. We do not accept any liability for damage caused by inflating equipment not supplied by the manufacturer.

Note the following before inserting the new inner tube:



Check the rim bed and the inside wall of the tyre for foreign matter and clean these properly if necessary. Check the condition of the rim bed, especially around the position of the air valve.

Please use only genuine original replacement parts. We do not accept any liability for damage caused by non-genuine parts. Kindly contact your specialist dealer.



Place the rim belt in position over the air valve before inserting it into the rim. Then the rim belt can be pulled over easily. Check that all spoke heads are covered (a rim belt is not required in the case of a plastic rim).



Push the tyre over the edge of the rim, starting behind the air valve. Inflate the tube slightly until it is round, and place it inside the tyre.



If the tube fits snugly inside the tyre without any folds (in the case of folds: let out some air), then the upper side of the tyre can be pressed lightly onto the rim with both hands, starting at the air valve.

Check all around on both sides that the tube is not pinched between the rim and the edge of the tyre. Lightly push the air valve inwards and pull it out again to make sure that the tyre is positioned properly in the region of the air valve.

To ensure that the wheel inflated correctly, admit only so much air initially that the tyre can still be easily pushed inwards by using your thumbs. If the check-lines are equidistant from the edge of the rim on both sides of the tyre, then the tyre is centered properly. If not - let out the air and position the tyre afresh.

Now the tyre can be inflated to its full operating pressure (note the maximum!!) and the valve cap should be replaced.

4 Maintenance

Lifetime of the wheelchair is influenced by its use, storage, regular maintenance, servicing and cleaning.

4.1 Regular Maintenance

The maintenance activities to ensure a good condition for your Vermeiren wheelchair are described below:

- Before every ride
 - Check the tyres and make them clean. If necessary change the tire.
 - Check screw fastenings, levers and adjustment connections are secured.
 - Check the brakes and adjusted if necessary. If the parking brakes not function properly, consult your specialist dealer.
 - Check the wheelchair (cleanliness, cracks, damage on structural parts) and make it clean. If necessary change the coating.
 - Check the correct position of the safety belts and the function of the locks.
- Every 8 weeks: inspected and lubricating or adjusting from



- Footrest
- Brake lever
- Wheel axles
- · Every 6 months or for every new user
 - General review
 - Disinfection
 - Frontwheels, possibly clean bearings

For your convenience, on the back of this manual is a maintenance plan.

Repairing and assembling of spare parts for your wheelchair may only be performed by the specialist dealer.

Only authorized Vermeiren spare parts may be installed.

4.2 Shipping and storage

The shipping and storage of the wheelchair shall be according following instructions:

- Store in a dry place (between +5 ℃ and +41 ℃).
- The relative humidity of the air should be between 30% and 70%.
- Provide sufficient covering or packaging to protect the wheelchair from rust and foreign bodies. (e.g. salt water, sea air, sand, dust).
- Store all removed parts together in one place (or mark them if necessary) to avoid mixing up with other products when re-assembling.
- Components must be stored without being subjected to strains (Do not put too heavy parts on the wheelchair, not clamping between something, ...).

4.3 Care

4.3.1 Seat and back cushion

The cleaning of the seat and back cushion shall be according:

- Clean seat and back with a cloth moistened with warm water. Be aware that you do not soak the seat and back cushion.
- Use a mild commercial detergent for removing stubborn dirt.
- Stains can be removed by using a sponge or a soft brush.
- Do not use strong cleaning liquids like solvents, nor use hard brushes.
- Never clean with steam and/or pressure washers.

4.3.2 Plastic parts

Clean plastic parts of your wheelchair with commercial plastic cleaners. Take note of any special product information. Only use a soft brush or soft sponge.

4.3.3 Coating

The high quality of the surface layer guarantees optimal protection against corrosion. If the outer coat is damaged by scratching or in some other way, get your specialist dealer to repair the affected surface.

When cleaning, only use warm water and normal household detergents and soft brushes and cloths. Ensure that no wetness gets into the tubes.

Initially the zinc parts only require rubbing with a dry cloth. Stubborn dirt can best be removed by using a suitable commercial zinc polish.



4.4 Inspection

In principle we recommend one inspection every year, and a minimum of one before usage is resumed. All of the following checks must be performed and documented by authorized persons:

- Check the frame parts and the hinged tubes for plastic deformation, cracks and impaired functioning.
- Visually check for damage to the paintwork (danger of corrosion)
- Check the operation of the wheels (free running, level rolling, axle play, tyres, profile, condition of the rims, air pressure in the case of air tyres, floating axles, etc.)
- Check the solidity and seating of all screws.
- Verify the amount of grease on the metal joints of movable parts
- The condition and security of the guides and axles of the steering wheels
- Visually check all plastic parts for cracks and brittle spots
- Check the functioning of the footrest, backrest and seat (locking, load, deformation, wear caused by loads).
- Check the operation of other detachable parts (example: personal safety belt, etc.)
- Completeness of the delivery condition, instruction manual available?

The service must only be signed off in the maintenance plan if a minimum of all the abovementioned aspects have been checked.

4.5 Disinfection

- **▲ WARNING:** Dangerous Products The use of disinfectants is restricted to authorized personnel.
- MARNING: Dangerous Products, change on irritate your skin You should wear suitable protective clothing because the disinfectants could irritate your skin. For this purpose you should also take note of the product information of the solutions concerned.

All parts of the wheelchair can be treated by scrubbing with a disinfectant.

All steps taken to disinfect rehabilitation equipment, their components or other accessory parts are to be recorded in a disinfection report containing a minimum of the following information (with product documentation appended):

Date of the	Reason	Specification	Substance and	Signature
disinfection			concentration	

Table 2: Example of a disinfection book

Abbreviations used in column 2 (reason):

V = Suspected infection IF = Infection case W = Repetition I = Inspection

For a blank sheet of a disinfection book see § 9.

The recommended disinfectants for scrubbing (based on the list provided by the Robert Koch Institute, RKI) are standing in the table below. The current state of the disinfectants included in the RKI list can be obtained from the Robert Koch Institute (RKI) (homepage: www.rki.de).



Active substance	Product name	Laun disin	dry fection	Surfac disinfe (scrub)	ction bing-	1 par dilute	fection of t sputumed soluti	or sto	ols +			Area of effectiveness	Manufacturer or Supplier
				disinfe	e*		utum		ools	Uı	rine		
		Diluted % solution	Time to take	Diluted % solution	Time to take	% Diluted solution	Time to take	% Diluted solution	Time to take	Diluted % solution	Time to take		
	Amocid	1	12	5	6	5	4	5	6	5	2	А	Lysoform
Phenol or phenol	Gevisol	0,5	12	5	4	5	4	5	6	5	2	A	Schülke & Mayr
derivative	Helipur	-,-		6	4	6	4	6	6	6	2	A	B. Braun
	m-cresylic soap solution (DAB 6)	1	12	5	4							A	
	Phenol	1	12	3	2							Α	
Chlorine, organic or inorganic	Chloramin-T DAB 9	1,5	12	2,5	2	5	4					A ¹ B	
substances with	Clorina	1, 5	12	2,5	2	5	4					A ¹ B	Lysoform
active chlorine	Trichlorol	2	12	3	2	6	4					A ¹ B	Lysoform
Per combinations	Apesin AP100 ²			4	4							AB	Tana PROFESSIONAL
	Dismozon pur ²			4	1							AB	Bode Chemie
	Perform ² Wofesteril ²			3	4							AB	Schülke & Mayr
	Aldasan 2000			4	4							AB AB	Kesla Pharma Lysoform
Formaldehyde	Antifect FD 10			3	4							AB	Schülke & Mayr
and/or other aldehydes or derivatives	Antiseptica surface disinfection 7			3	6							AB	Antiseptica
	Apesin AP30			5	4							А	Tana PROFESSIONAL
	Bacillocid special			6	4							AB	Bode Chemie
	Buraton 10F			3	4							AB	Schülke & Mayr
	Desomed A 2000			3	6							AB	Desomed
	Hospital disinfectant cleaner			8	6							AB	Dreiturm
	Desomed Perfekt			7	4							AB*	Desomed
	Formaldehyde- solution (DAB 10), (formaline)	1,5	12	3	4							AB	
	Incidin Perfekt	1	12	3	4							AB	Ecolab
	Incidin Plus	_	40	8	6							A	Ecolab
	Kohrsolin Lysoform	2	12 12	3 5	6							AB AB	Bode Chemie Lysoform
	Lysoformin	3	12	5	6							AB	Lysoform
	Lysoformin 2000	3	12	4	6							AB	Lysoform
	Melsept	2	12	4	6							AB	B. Braun
	Melsitt	4	12	10	4							AB	B. Braun
	Minutil	2	12	6	4							AB	Ecolab
	Multidor Nûscosept			3 5	6 4							AB AB	Dr. Nüsken
	Onticont			7	1								Chemie Dr. Schumacher
	Optisept Pursept-FD			7	4							AB*	Dr. Schumacher Merz
	Ultrasol F	3	12	5	4							AB	Fresenius Kabi
Amphoteric surfactants (amfotensiden)	Tensodur 103	2	12	Ĵ								A	MFH Marienfelde
Lye	Lime-milk ³							20	6			A ³ B	

Table 3: Disinfectants

Kindly consult your specialist dealer if you have queries on matters related to disinfection; he will gladly assist you.

¹ Not effective against myco-bacteria when service disinfecting, especially in the presence of blood.
2 Not suitable for disinfecting blood-contaminated or porous surfaces (e.g. raw wood).
3 Useless for tuberculosis; preparation of Lime-milk: 1 part dissolved lime (calcium hydroxide) + 3 parts water.

* Checked for effectiveness on viruses in accordance with checking methods of the RKI (Federal Health Reporting 38 (1995) 242).

A: Suitable for killing vegetative bacterial germs including myco-bacteria as well as fungi, including fungal spores. B: Suitable for deactivating viruses.



5 Guarantee

Excerpt from the "General business conditions":

(...)

For processing defects or material faults discovered after delivery, we accept liability, computed from the calculation date, for the warranty period of the relevant product group.

(...)

Lightweight wheelchair

12 months

(...)

The guarantee excludes damage arising from structural changes to our products, insufficient maintenance, defective or improper handling or storage or the use of non-original parts. Likewise, the guarantee excludes parts or working parts subject to natural wear and tear.

(...)

We reserve the right either to repair a damaged part or to replace it with a new one. The warranty period is not extended in such a case. The guarantee is accepted by the specialist trade.

(...)

6 Disposal

When disposing of the wheelchair, contact your local disposal centre or return the product to your specialist dealer who, after submitting it to a hygienic procedure, will be able to send it back to the manufacturer who will dispose of and recycle it correctly, separating it into its component materials.

Packaging materials can be taken to disposal or recycling centers or to your specialist dealer.

7 Declaration of conformity

The manufacturer or his authorized representative :

N V VERMEIREN N V

Address :

Vermeirenplein 1/15 2920 Kalmthout Belgium

declares under his sole responsibility that the CE marked medical devices :

Productgroup: Manual wheelchairs (buggies)

Brand: Vermeiren Type: Gemini

have been classified as class I, according to annex IX MDD 93/42/EEC, rule 1,

and is manufactured in full conformity with the European instructions below-including the latest modifications - and with the national law, that organizes this directions:

Medical devices directive MDD 93/42/EEC: 2007

and is in conformity with the relevant European harmonized standards:

EN 12182: 1999, EN 12183: 2009



8 Maintenance plan

Date	Maintenance	Remarks	Paraph
1/1/2011	Greasing and general servicing	non	

9 Disinfection book

Date of the disinfection	Reason	Specification	Substance and concentration	Signature
Abbreviations use			n I = Inspection	,

ITALIANO

GARANZIA CONTRATTUALE

altri prodotti: 2 anno contro tutti i difetti di costruzione o di materiale (batterie 6 mesi). Multiposizioni 3 anni. Questa garanzia e limitata alle sostituzione di parti riconosciute difet-La carrozzine manuali sono garantite 5 anni, la carrozzine ultra leggera 4 anni. Le carrozzine elettroniche, tricicli, letti e

CONDIZIONI

Per far valere la garanzia, e' necessario indirizzarla al vostro distributore di fiducia che presentera' al produttore il tagliando.

RISERVE

Questa garanzia non potra' essere applicata nei seguenti casi:

- danno dovuto al cattivo ed improprio utilizzo della
- danno subito durante il trasporto,

carrozzina,

- incidente o caduta,
- smontaggio, modifica, o riparazione effettuate in proprio,
 - · usura abituale della carrozzina,
- invio del tagliando di garanzia con la data di acquisto.



Naam/Nom/Name Name/Nome	Adres/Adresse/Address Adresse/Indrizzo	Woonplaats/Domicile/Home Wohnort/Citta	

Artikel/Article/Article

Reeks nr./N° de série/Serie nr. Artikel/Articolo

Serien-Nr./No. di serie

Aankoopdatum/Date d'achat/Date of purchase Kaufdatum/Data di acquisto

Stempel verkoper/Timbre du vendeur Dealer stamp/Händlerstempel Timbro del rivenditore

Stempel verkoper/Timbre du vendeur Dealer stamp/Händlerstempel Timbro del rivenditore

VERMEIREN



WAARBORG GARANTIE GARANTIE GARANZIA WARRANTY

N.V. VERMEIREN N.V. VERMEIRENPLEIN 1-15 B-2920 Kalmthout

4	
Naam/Nom/Name Name/Nome	
Adresse/Address Adresse/Indrizzo	
Woonplaats/Domicile/Home Wohnort/Citta	
E-mail	
Artikel/Article/Article Artikel/Articolo	
Reeks nr./N° de série/Serie nr. Serien-Nr./No. di serie	
Aankoopdatum/Date d'achat/Date of purchase Kaufdatum/Data di acquisto	
	Γ

NEDERLANDS

of onderdelen is uitdrukkelijk beperkt tot de vervanging van defecte stukker positie rolstoelen geven we 3 jaar waarborg. Deze garantie tie - of materiaalfouten (batterijen 6 maanden). Op multibedden en andere producten : 2 jaar waarborg op construcstoelen 4 jaar. Op de elektronische rolstoelen, driewielers, Op de manuele rolstoelen geven wij 5 jaar, lichtgewicht rol-

onderneming. meiren dealer. De waarborg is enkel geldig in de zetel van de het garantiecertificaat dat u heeft bewaard, aan uw Ver-Om aanspraak te kunnen maken op de waarbord, bezorgt u

nues détectueuses.

au remplacement des éléments ou pièces détachées recon multiposition 3 ans. Cette garantie est expressément limitée construction ou de matériaux (batteries 6 mois). Fauteuils cles, lits et d'autres produits: 2 ans contre tous vices de teuils ultra légers 4 ans. Les fauteuils électroniques, tricy

de garantie que vous avez conservé à votre distributeur Versociété meiren. La garantie est uniquement valable au siège de la Pour prétendre à cette garantie, il faut présenter le certificat

RESERVES

Cette garantie ne pourra être appliquée en cas de:

Deze garantie is niet van toepassing in geval van:

schade te wijten aan het verkeerd gebruik

van de rolstoel

- dommage dû à la mauvaise utilisation du fauteuil
- endommagement pendant le transport,
- accident ou chute,
- démontage, modification ou réparation fait en
- dehors de notre societe
- usure normale du fauteuil
- non retour du coupon de garantie

normale slijtage van de rolstoel

niet inzenden van de garantiestrook

buiten onze firma, een val of een ongeval beschadiging tijdens het transport

een demontage, wijziging of herstelling uitgevoerd

Les fauteuils manuels standard sont garantis 5 ans, les fau

multiposition wheelchairs 3 years. This warranty is limited to beds and other products: 2 years (batteries 6 months) and weight wheelchairs 4 years. Electronic wheelchairs, tricycles We offer 5 years of warranty on standard wheelchairs, light

given to your official Vermerien dealer. The warranty is only In order to claim tis warranty, part "B" of this card has to be valid when parts are replaced by Vermeiren in Belgium.

EXCEPT

This warranty is not valid in case of:

- of our company and/or official Vermeiren
- non-return of the warranty card

the replacement of defective or spare parts.

- damage due to incorrect usage of the wheelchair,
- involvement in an accident, damage during transport,
- a dismount, modification or repair carried outside dealership,
- normal wear of the wheelchair

DEUTSCH

dukte verwendet werden, die in sorgfältiger Verarbeitung eventuell vorhandene Mängel aufzuspüren. eingehenden Endkontrolle unterzogen, um auch letzte Bevor Ihr Rollstuhl unser Werk verlassen hat, wurde er einer nach dem neuesten Stand der Technik montiert werden. Wir garantieren, dass für unsere Rollstühle hochwertige Pro

Jahre (Batterien 6 Monate), auf Multifunktionsrollstühle 3 sche Rollstühle, Dreiräder, Betten und andere Produkte: 2 Jahren, auf Leichtgewichtrollstühle 4 Jahre, auf elektroni-Auf Standardrollstühle gewähren wir eine Garantie von 5

der Garantie ausgenommen. sachgemäßer Benutzung. Ebenfalls sind Verschleißteile von sind, Dieser Garantie unterliegen keine Schäden aus uneinen Produkt- oder Verarbeitungsfehler zurückzuführen In dieser Garantie eingeschlossen sind alle Mängel, die au-

mühen, eine für Sie zufriedenstellende Lösung zu finden Er wird sich in enger Zusammenarbeit mit uns darum beso wenden Sie sich bitte unverzüglich an Ihren Fachhändler berechtigtem Grunde mit Ihrem Rollstuhl unzufrieden sind Sollte einmal der Fall eingetreten sein, dass





onze website, http://www.vermeiren.be/registration terugsturen binnen de 8 dagen na aankoop of registreer uw product via

D

à renvoyer dans les 8 jours après achat ou régistrer votre produit sur please return within 8 days of date of purchase or register your product at notre site, http://www.vermeiren.be/registration

zurückschicken innerhalb von 8 Tagen nach kauf oder registrieren Sie our website, http://www.vermeiren.be/registration Ihr Produkt aut unserer website, http://www.vermeiren.be/registration

da restituire entro 8 giorni dalla data di acquisto o registri il vostro

prodotto al nostro web site, http://www.vermeiren.be/registration

- in geval van herstelling, kaart "B" bijvoegen

(J)

- en cas de réparation, veuillez ajouter la carete "B".
- in case of repair, please add part "B"
- im Falle einer Reparatur, Karte "B" beitügen
- ın case di riparazione, rispediteci la carta "B"



Date:

SERVICE	
The manual wheelchair (buggy) was serviced:	
Dealer's stamp:	Dealer's stamp:
Deter	Batta
Date:	Date:
Dealer's stamp:	Dealer's stamp:
zouloi o siumpi	Journal of Marriage
Date:	Date:
Dealer's stamp:	Dealer's stamp:
Date:	Date:
Date.	Date.
Dealer's stamp:	Dealer's stamp:
- .	
Date:	Date:
Dealer's stamp:	Dealer's stamp:

• For service checklists an additional technical information, please see our specialist dealers nearest to you. More information on our website at: www.vermeiren.com.

Date:

Belgium

N.V. Vermeiren N.V.

Vermeirenplein 1 / 15 B-2920 Kalmthout Tel: +32(0)3 620 20 20 Fax: +32(0)3 666 48 94

website: www.vermeiren.be e-mail: info@vermeiren.be

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Vermeiren France S.A.

Z. I., 5, Rue d'Ennevelin F-59710 Avelin

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Reatime S.R.L.

Via Delle Industrie 5/7

I-20020 Arese MI Tel: +39 02 99 77 07 Fax: +39 02 93 58 56 17 website: www.reatime.it e-mail: info@reatime.it

Poland

Vermeiren Polska Sp. z o.o

ul. Łączna 1 PL-55-100 Trzebnica Tel: +48(0)71 387 42 00 Fax: +48(0)71 387 05 74 website: www.vermeiren.pl e-mail: info@vermeiren.pl

Spain

Vermeiren Iberica, S.L.

Trens Petits, 6. - Pol. Ind. Mas Xirgu. 17005 Girona

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A-4030 Linz

Tel: +43(0)732 37 13 66 Fax: +43(0)732 37 13 69 website: www.vermeiren.at e-mail: info@vermeiren.at

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Vermeiren Suisse S.A.

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e-mail: info@vermeiren.ch

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Vermeiren Nederland B.V.

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Czech Republic

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