

VERMEIREN

V200 GO

INSTRUCTION MANUAL





Instructions to the specialist dealer

This instruction manual is part and parcel of the product and must accompany every product sold.

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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 8 years for 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 guarantee.

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 Product description

1.1 *Intended Use*

The wheelchair is intended for people with walking difficulties or no walking abilities.

The wheelchair is designed to transport 1 person.

The wheelchair is suited for indoor and outdoor use.

The user can propel the wheelchair by himself or have the wheelchair pushed by an attendant.

The different types of fittings and accessories, and the modular construction allow full use by persons disabled by:

- paralysis
- loss of limbs (leg amputation)
- limb defects or deformations
- stiff or damaged joints
- heart insufficiencies and poor blood circulation
- balance disturbances
- cachexia (decrease in muscle)
- and also for aged persons.

When providing for individual requirements:

- body size and weight (max. 130kg)
- 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 footrests or other accessories are used, the tabulated values will change.


| | | | | | | | |
|--|---|--------|--------|---------|--------|--------|---|
| Make | Vermeiren | | | | | |  |
| Address | Vermeirenplein 1/15, B-2920 Kalmthout | | | | | | |
| Type | Manual wheelchair | | | | | | |
| Model | V200GO | | | | | | |
| Maximum occupant mass | 130 kg | | | | | | |
| Description | Min. | | | Max. | | | |
| Overall length with footrest | 1010 mm | | | | | | |
| Effective seat width | 390 mm | 420 mm | 440 mm | 460 mm | 480 mm | 500 mm | |
| Overall width (depends on the seat width) | 590 mm | 620 mm | 640 mm | 660 mm | 680 mm | 700 mm | |
| Folded length without footrest | 810 mm | | | | | | |
| Folded width | 320 mm | | | | | | |
| Folded height | 955 mm | | | | | | |
| Total mass | 15,6 kg | | | | | | |
| Mass of heaviest part | 10 kg | | | | | | |
| Masses of parts that can be dismantled or removed | Footrests: 1,80 kg; Rear wheels: 3,80 kg | | | | | | |
| Static stability downhill | 10° (in standard configuration) | | | | | | |
| Static stability uphill | 7° (in standard configuration) | | | | | | |
| Static stability sideways | 18° (in standard configuration) | | | | | | |
| Obstacle climbing | 60 mm | | | | | | |
| Seat plane angle | 0° | | | 10° | | | |
| Effective seat depth | 440 mm | | | 460 mm | | | |
| Seat surface height at front edge | 430 mm | | | 520 mm | | | |
| Backrest angle | 5° | | | | | | |
| Backrest height | 400 mm (standard) 300 mm, 350 mm (optional) | | | | | | |
| Distance between footrest and seat | 345 mm - 515 mm | | | | | | |
| Angle between seat and footplate | 5° | | | 25° | | | |
| Angle between seat and leg footrest | 105° | | | | | | |
| Distance between splash guard and seat | 170 mm | | | | | | |
| Front location of splash guard structure | Not applicable | | | | | | |
| Handrim diameter | 535 mm | | | | | | |
| Horizontal location of axle (deflection) | -40 mm | | | 34 mm | | | |
| Minimum turning radius | 1500 mm | | | | | | |
| Diameter Rear wheels | 22" | | | 24" | | | |
| Tyre pressure, rear (driving) wheels | Max. 3.5 bar | | | | | | |
| Diameter steering wheels | 6" | | | | | | |
| Tyre pressure, steering wheels | Max. 2.5 bar | | | | | | |
| Storage and use temperature | + 5 °C | | | + 41 °C | | | |
| Storage and use humidity | 30% | | | 70% | | | |
| We reserve the right to introduce technical changes. Measurement tolerance ± 15 mm / 1,5 kg / ° | | | | | | | |

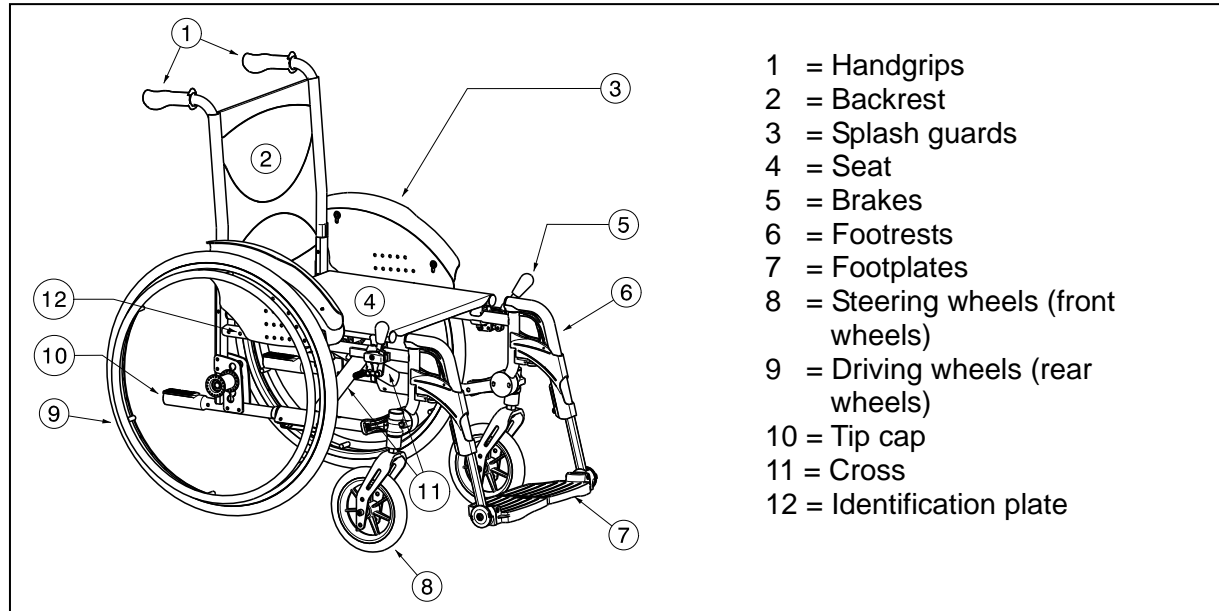
Table 1: Technical specifications

The wheelchair complies to the requirements set up in:

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

ISO 7176-16: Resistance to ignition of upholstered parts

1.3 Drawing



1.4 Accessories

The following accessories are available for the V200GO:

- Anterior pelvic belt (B20) for mounting on the tubes of the back (see according manual)
- Anti-tipping device (B78) for mounting on the bottom frame (see according manual).

1.5 Explanation of symbols



Maximum mass



Indoor and outdoor use



Maximum Safe Slope



CE conformity



Type designation



Not intended to be used as a seat in a Motor vehicle

2 Use

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

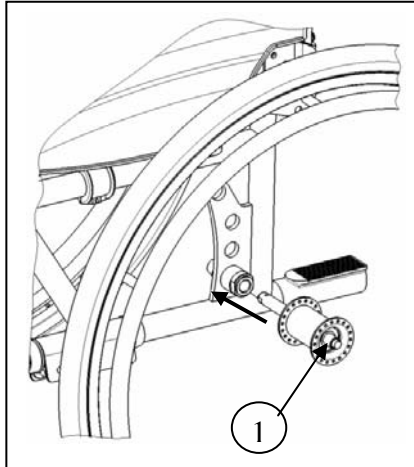
The wheelchair is delivered fully assembled by your specialist dealer. The instructions intended for the specialist dealer on how to set up the wheelchair are given in § 3.

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 footrests, splash guards or the wheels to grasp the wheelchair.

2.2 Mounting the rear wheels



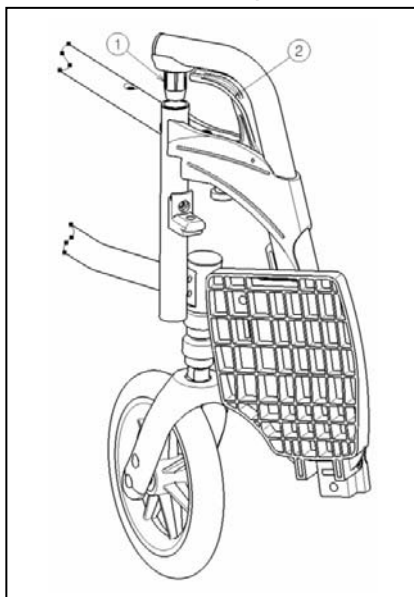
1. Take the rear wheel and push on button ①.
2. Keep the button pushed in and mount the rear wheels axle till it stops.
3. Release the button.
4. Check that the wheels is secured.

2.3 Unfolding the wheelchair

⚠ CAUTION: Risk of clamping – Keep fingers away from moving parts of the wheelchair.

1. Position yourself behind the wheelchair.
2. Use the hand-grips to open the wheelchair as much as possible.
3. Position yourself at the front of the wheelchair.
4. Push both seating tubes down till they are fixed in their position.

2.4 Mounting or removing of the footrests



The mounting of the footrests is done as follows:

1. Hold the footrest sideways at the outside of the wheelchairs frame and mount the tube hood ① into the frame.
2. Swing the footrest inwards till it clicks in position.
3. Swing the foot plate downwards.

To take off the footrests:

1. Pull handle ②.
2. Swing the footrest to the outside of the wheelchair till it comes loose from the guidance.
3. Pull the footrest from tube hood ①.

2.5 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.

To apply the brakes:

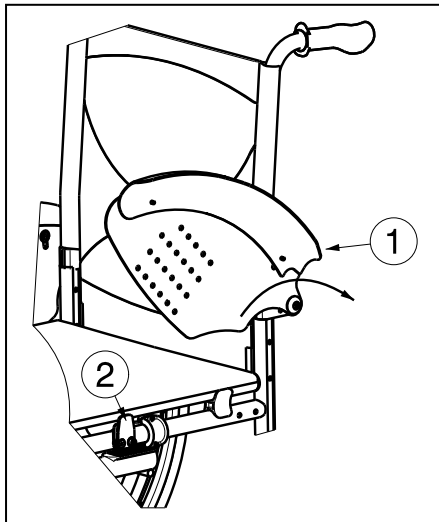
1. Push the brake handles forward till you feel a distinctive click.

- ⚠ **CAUTION:** Risk of unintended movement – Make sure the wheelchair is on a flat horizontal surface before releasing the brakes. Never release both brakes simultaneously.

To release the brakes:

1. Release one brake by pulling the handle backwards.
2. Hold the hand-rim of the release wheel with your hand.
3. Release the second brake by pulling the handle backwards.

2.6 Splash guards



The splash guards of the wheelchair can be swung away according to the following instructions.

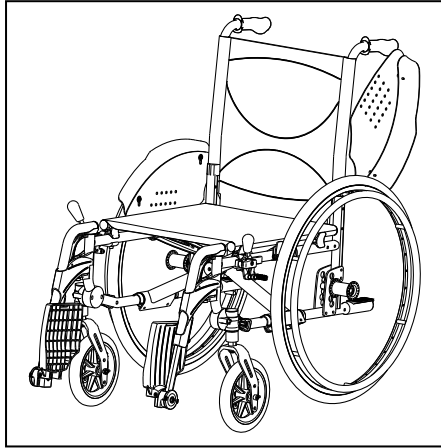
1. Grasp the splash guard ①.
2. Fold the splash guard ① backwards.

Mounting the splash guard:

1. Grasp the splash guard ①.
2. Fold the splash guard ① frontwards until the splash guard ① fits in attachment ②.

2.7 Transfer in and out the wheelchair

- ⚠ **CAUTION:** In case you cannot perform the transfer in a safe manner, ask someone to assist you.
- ⚠ **CAUTION:** Risk of tipping over of the wheelchair – Do not stand on the foot plates.



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 footplates upwards to prevent standing on them.
4. If the transfer is on the side of the wheelchair, swing away the splash guard on that side upwards (see § 2.6).
5. Transfer 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 backrest.
- Make sure your upper legs are horizontal – If needed adjust the length of the footrests (see § 3.6).

2.9 Riding the wheelchair

- ⚠ **WARNING:** Risk of clamping – Prevent your fingers from being caught by the wheels spokes.
- ⚠ **WARNING:** Risk of clamping – Be careful passing through restricted passages (e.g. doors).
- ⚠ **WARNING:** 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 both hand rims at their highest position.
3. Lean forward and push the hand rims forward until straight arms.
4. Swing your arms loosely back to the hand rims topside and repeat the movement.

2.10 Moving on slopes

- ⚠ **WARNING:** Control your speed – Moving on slopes as slow as possible.
- ⚠ **WARNING:** 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. Ask an attendant to help you moving on the slope.
4. Lean forward to move your centre of gravity forward.

2.11 Negotiating steps or curbs

2.11.1 Getting down steps or curbs

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



A practiced user can negotiate small steps or curbs by himself:

⚠ WARNING: Risk of tipping over – If you do not have enough experience with your wheelchair, ask assistance of an attendant.

1. Bring balance on the rear wheels to reduce the pressure on the front wheels.
2. Negotiate the curbs.

Higher curbs can be taken forward with an attendant:

1. Ask the attendant 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.



An experienced user can negotiate higher curbs by himself. This is best done backwards.

1. Turn the wheelchair to have the rear wheels facing the curb.
2. Lean forward to move your centre of gravity forward.
3. Move the wheelchair close to the curbs.
4. Use the hand rim to roll-off wheelchair from the curb in a controlled manner.

2.11.2 Moving up steps or curbs

Moving up steps or curbs with attendant as follows:



1. Prevent the footrests from touching the curb.
2. Ask the attendant to tip the wheelchair backwards, just enough to move the front wheels over the curb.
3. Lean backwards to move your centre of gravity above the rear wheel.
4. Place the front wheels on the curb.
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 curb.
2. Lean backwards and move your centre of gravity above the rear wheels.
3. Ask the attendant to pull the wheelchair on the curb.
4. Take back the normal position in the wheelchair.

An experienced user can negotiate curbs by himself:

⚠ WARNING: Risk of tipping over – If you have not enough experience to control the wheelchair, get help from an attendant.



1. Drive until the curbs.
2. Ensure that the footrest do not touch the curbs.
3. Lean backwards so you are balancing on the rear wheels.



4. Role the front wheels balancing over the curbs.
5. Bend forwards for more stability.
6. Role the rear wheels over the curbs.

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.

1. Remove the footrests.
2. One attendant tip the wheelchair slightly backwards.
3. 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 footrests back after taking the stair.

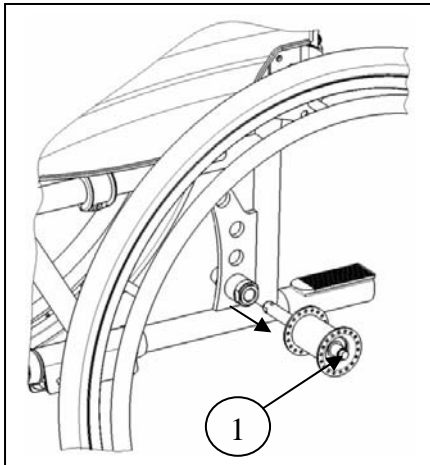
2.12 Fold up the wheelchair

⚠ CAUTION: Chance of pinching – Do not place fingers between the components of the wheelchair.

1. Fold or remove the footplates (see § 2.4).
2. Take the seat on the front side and backside and pull it up.

2.13 Taking off the wheels

To facilitate the transport off the wheelchair the rear wheels can be taken off:



1. Make sure the brakes standing in the off position.
2. Take the wheelchair to the side frame where you want to remove the wheel.
3. Press the button ① in the center of the wheel hub.
4. Pull the wheel away from the frame.

2.14 Transport in the car

⚠ DANGER: Risk of injury – This wheelchair is not intended to be used as a seat in a motor vehicle (ISO 7176-19).

⚠ WARNING: 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 footrests and accessories.

2. Store footrests and accessories safely.
3. If possible, fold the wheelchair and remove the wheels.
4. Place the wheelchair in the luggage place.
5. 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.

3 Installation and adjustment

The instructions in this chapter are for the specialist dealer.

The Vermeiren V200GO has been designed to be adjust with a minimum of replacements parts. There is no need for extra stock of spare parts.

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° 7 to n° 22
- Allen keyset n° 3 to n° 8
- Screwdriver n° 4 to n° 5
- Screwdriver Phillips head

3.2 Manner of delivery

The Vermeiren V200GO shall be delivered with:

- 1 frame with splash guards, rear and front wheels (standard delivery seat height: 500 mm, seat angle: 5°)
- 1 pair footrests
- Tools
- Manual
- Accessories

3.3 Adjusting the seat height and seat angle

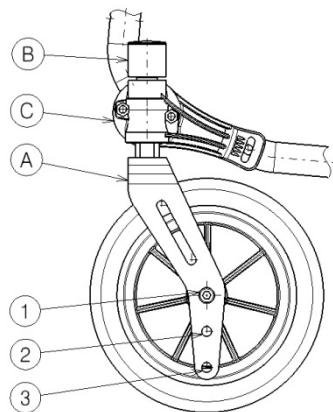
The Vermeiren V200GO is adjustable in 4 seat heights and 5 seat angles (0°-2,5°-5°-7,5°-10°) by changing the position of the wheels for each height and angle there is a different setting of the front and rear wheels.

The summary of the different seat heights by a standard seat angle 5° is tabulated below.

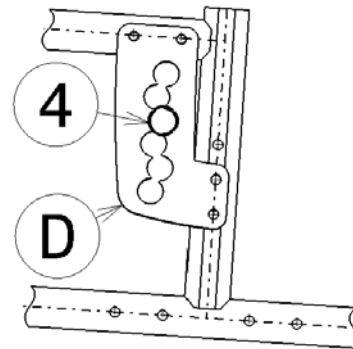
| Seat height | Rear wheels | | Front wheels | |
|----------------------|-------------|-----------------------|--------------|---|
| | Hole | Position axle plate ④ | Hole | Bushing ⑥ relative to castor stem housing ③ |
| 430 mm | ④ | Above | ① | Above |
| 460 mm | ① | Under | ① | Under |
| 490 mm (Standard) | ③ | Under | ② | Under |
| 520 mm | ⑤ | Under | ③ | Under |

Table 2: Seat heights by seat angle 5°

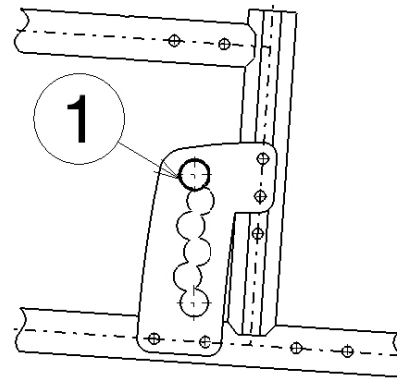
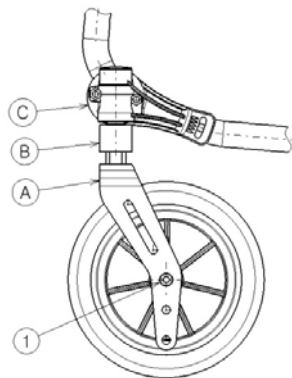
Front wheel



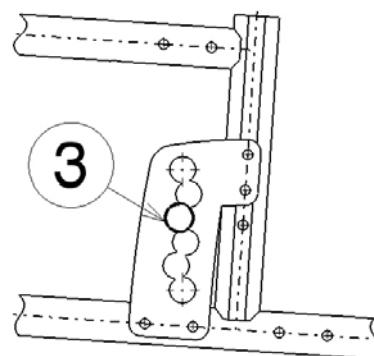
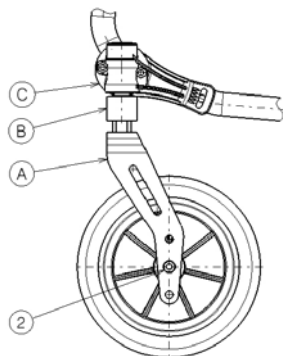
Axle plate rear wheels



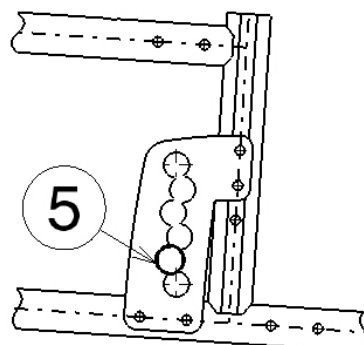
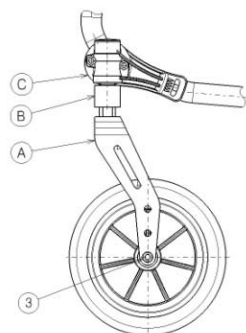
Seat height 430 mm



Seat height 460 mm



Seat height 490 mm (standard)



Seat height 520 mm

Change the seat height according the following steps:

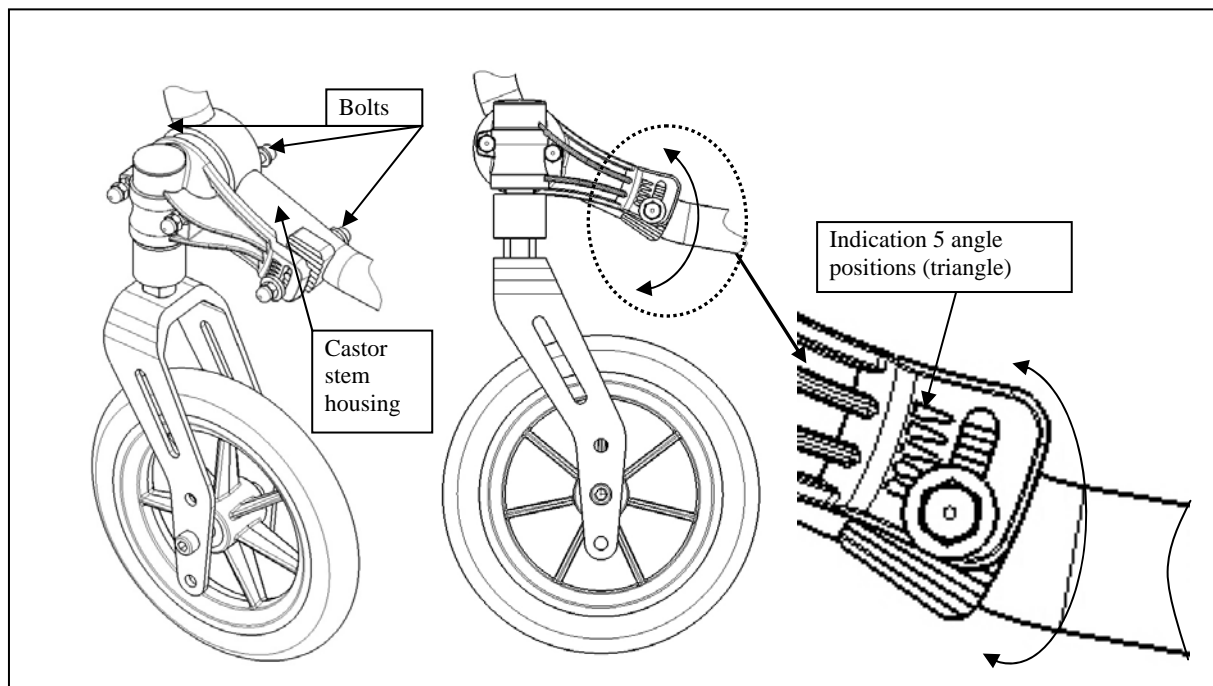
1. Remove the rear wheels (see § 2.13).
2. Screw the axle bushings of the rear wheels from the axle plate ①.
3. Assemble the axle bushings in the right hole of the axle plate, see Table 2 and previous figure.
4. Check if the axle bushings are fastened well.
5. Screw the swivel axles ② of the front wheels loose.
6. Place the front wheels in the right hole of the front fork (table 2).
7. Place the bushings according table 2.
8. Install the swivel axles ② of the front wheels and tighten them. Check the tension in the swivel axle ② so it turn smoothly, but there is no space for motion.
9. Mount the rear wheels.
10. If installed properly the swivel axles of the front wheels and the ground must be perpendicular. Check this.
11. Adjust the brakes according § 3.5.

For other seat angle and seat height combinations, the above procedure can be used to adjust the front fork and axle plate in the right combination.

If you do not find the right combination you can always contact the company Vermeiren.

Check that the swivel axles are perpendicular to the ground. If necessary use the procedure below to adjust the castor stem housing:

1. Loosen the 3 bolts using a size 5 Allen key.
2. Adjust the castor stem housing to the desired angle.
3. Tighten the 3 bolts.

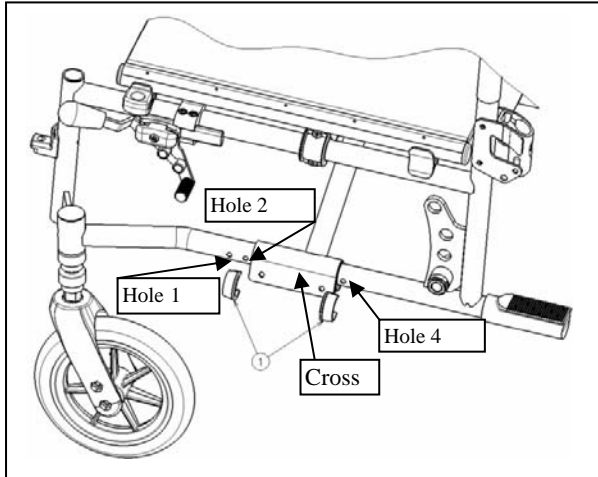


3.4 Adjusting the seat depth

The Vermeiren V200GO is adjustable in 2 seat depths by changing the cross.

| Seat depth | Cross |
|-------------------|--------------|
| 460 mm | Hole 1 and 3 |
| 440 mm (Standard) | Hole 2 and 4 |

Table 3: Seat depth



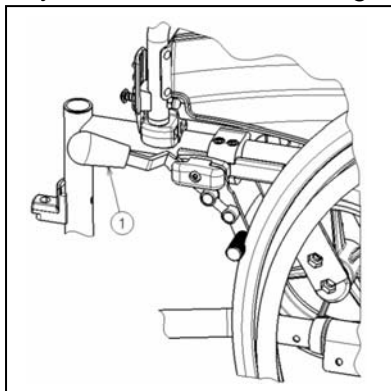
Change the seat depth according the following steps:

1. Remove both clips ①.
2. Move the cross in the desired position (see table 3).
3. Replace both clips ①.

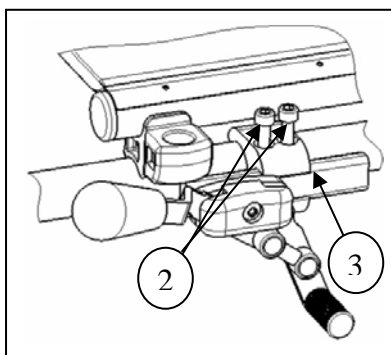
3.5 Adjust the brakes

⚠ WARNING: Risk of injury – Brakes may only be adjusted by your specialist dealer.

Adjust the brakes according following rules:



1. Install the wheels according § 2.2.
2. Disconnect the brakes by pulling lever ① backwards.

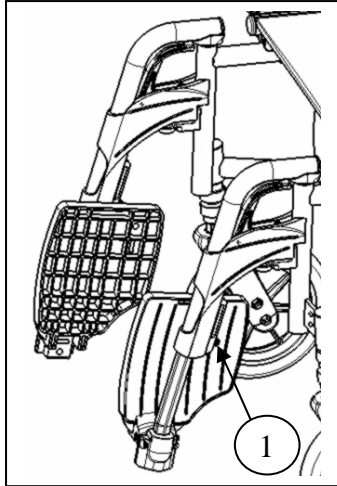


3. Loosen the bolts ② so the brake mechanism can slide over the guide ③.
4. Pull the brake mechanism over the guide ③ to the desired position.
5. Retighten the bolts ②.
6. Check working of the brakes.
7. If necessary repeat the above steps until the brakes are adjusted well.

3.6 Adjusting of the footrests

3.6.1 Length of the footrests

⚠ CAUTION: Risk of damage – Avoid that the footrests make any contact with the ground. Keep a minimum distance from 60 mm above the ground.



Adjust the length of the footrests as follow:

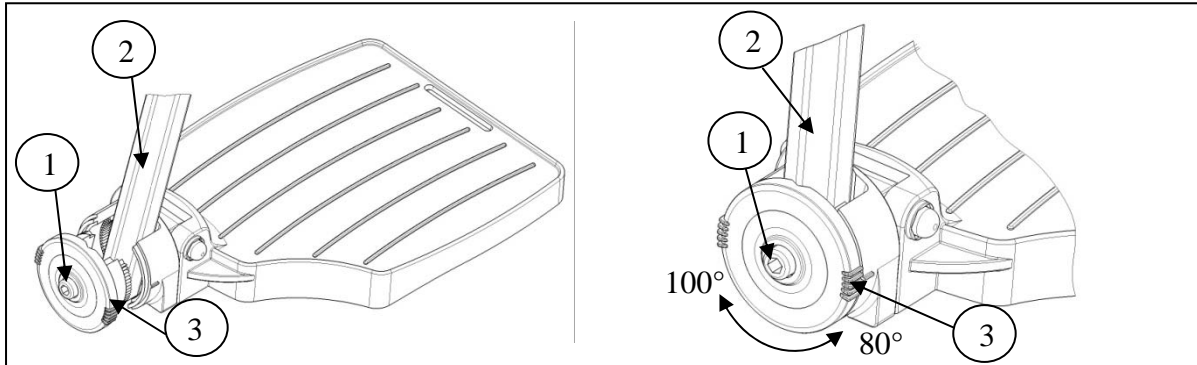
1. Remove the screw ① (on the back of the footrests).
2. Adjust the length of the footrest to a comfortable length.
3. Tighten the screw ① properly.

3.6.2 Adjusting the footplates

The footplates can be used in 2 positions. Standard they are adjusted with the base plate in the back position.

The footplates can be adjusted to the front by switching the left and right footplate.

3.6.3 Adjusting angle foot plates



Adjust the angle of the foot plates as follow:

1. Loosen bolt ①.
2. Adjust tube ② in the desired angle. The angle indication (80°-85°-90°-95°-100°) is according the dashes ③.
3. Retighten the bolt ①.

4 Maintenance

For the maintenance manual of the wheelchairs refer to the Vermeiren website:
www.vermeiren.com.



SERVICE

The manual wheelchair was serviced:

Dealer's stamp:

Date:

Dealer's stamp:

Date:

Dealer's stamp:

Date:

Dealer's stamp:

Date:

Dealer's stamp:

Date:

Dealer's stamp:

Date:

Dealer's stamp:

Date:

Dealer's stamp:

Date:

Dealer's stamp:

Date:

Dealer's stamp:

Date:

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

Belgium

N.V. Vermeiren N.V.

Vermeirenplein 1 / 15

B-2920 Kalmthout

Fax: +32(0)3 666 48 94

website: www.vermeiren.be

e-mail: info@vermeiren.be

France

Vermeiren France S.A.

Z. I., 5, Rue d'Ennevelin

F-59710 Avelin

Tel: +33(0)3 28 55 07 98

Fax: +33(0)3 20 90 28 89

website: www.vermeiren.fr

e-mail: info@vermeiren.fr

Italy

Vermeiren Italia

Viale delle Industrie 5

I-20020 Arese MI

Tel: +39 02 99 77 07

Fax: +39 02 93 58 56 17

website: www.vermeiren.it

e-mail: info@vermeiren.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

Czech Republic

Vermeiren ČR S.R.O.

Nádražní 132

702 00 Ostrava 1

Tel: +420 596 133 923

Fax: +420 596 121 976

website: www.vermeiren.cz

e-mail: info@vermeiren.cz

Germany

Vermeiren Deutschland GmbH

Wahlerstraße 12 a

D-40472 Düsseldorf

Tel: +49(0)211 94 27 90

Fax: +49(0)211 65 36 00

website: www.vermeiren.de

e-mail: info@vermeiren.de

Austria

Vermeiren Austria GmbH

Schärddinger Strasse 4

A-4061 Pasching

Tel: +43(0)7229 64900

Fax: +43(0)7229 64900-90

website: www.vermeiren.at

e-mail: info@vermeiren.at

Switzerland

Vermeiren Suisse S.A.

Hühnerhubelstraße 59

CH-3123 Belp

Tel: +41(0)31 818 40 95

Fax: +41(0)31 818 40 98

website: www.vermeiren.ch

e-mail: info@vermeiren.ch

Spain / Portugal

Vermeiren Iberica, S.L.

Carratera de Cartellà, Km 0,5

Sant Gregori Parc Industrial Edifici A

17150 Sant Gregori (Girona)

Tel: +34 972 42 84 33

Fax: +34 972 40 50 54

website: www.vermeiren.es

e-mail: info@vermeiren.es