

Product Guide

Tricycles

Mobility scooter bike

Low step-through bikes

Walking aid

Side-by-side tandem bikes

Tandem bikes

Wheelchair bikes

Transport bike





Management Van Raam: Marjolein, Ronald, and Jan-Willem

Let's all cycle!

We believe that when people stay mobile and independent longer, they are happier. That is why we offer people with a disability, and people that cannot cycle on a traditional bicycle, a sustainable form of modern-day mobility. With a Van Raam bike you experience independence, and freedom. This is our vision, and the reason Van Raam exists.

We are a family business that has over 110 years of experience. Since the eighties, we specialise in designing and producing unique adapted bikes.

We are proud of what we are achieving with each other, and of the sustainable impact we have on our customers. Currently we are doing this with around 300 colleagues. Let's all cycle!

Marjolein Boezel

Jan-Willem Boezel

Ronald Ruesink

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Cycling individually

Tricycles

Tricycles enable people with a disability to cycle individually for longer. The three wheels ensure stability and safety while cycling.

In its large assortment, Van Raam has different tricycle models for all age groups. There is almost always a bike that suits your needs.

Benefits

- ✓ Stop without getting off your bike
- ✓ Three wheels ensure stability while cycling
- ✓ A wide variety of models available
- ✓ The parking brake allows you to safely get on and off
- ✓ You do not have to keep balance yourself



Easy Rider

Tricycle

The Easy Rider is a tricycle for adults with optimal riding characteristics that make for a pleasant cycling experience. Due to the unique frame with a low step-through, the bike has a low centre of gravity. This provides a safe and stable feeling.

This tricycle has a comfortable and easy to adjust seat. The forward pedalling motion and the suspension in the frame give ultimate comfort while cycling. The Easy Rider is therefore suitable for both long, and short trips.

The modern and aerodynamic design with hydroformed frame gives the Easy Rider its sporty appearance. With the optional pedal assist (Smart E-Bike), cycling becomes even easier!

Benefits

- ✓ Suspended frame for optimal comfort
- ✓ Very easily manoeuvrable due to its small turning radius
- ✓ Comfortable seat with tailbone relief and adjustable backrest
- ✓ Suitable for up to 140 kg (reinforced frame up to 180 kg)
- ✓ The seat and handlebars are easily adjustable

Popular options/accessories

- A variety of frame sizes (M and L)
- Different suspension strengths for optimal comfort
- A basket or walking stick holder to bring along your necessities
- A seat belt, mirror, armrests, or foot fixation for extra security
- Extra battery pack or battery with a higher capacity for an increased range



“With the Easy Rider I can go out by myself and enjoy cycling again. The seat is very comfortable.” - Kristel





Easy Rider Junior

Tricycle

The Easy Rider Junior is a tricycle that is specially designed for children from about 4 years old, and smaller adults. The bike offers a lot of stability due to its low centre of gravity and has a low step-through.

The seat with an adjustable backrest, and the suspension in the frame provide ultimate comfort while cycling. The Easy Rider Junior has a sporty and modern look.

Due to the unique frame, you make a forward pedalling motion while cycling which allows you to apply more force with your legs. A cool bike that is suitable for both long and short bike rides.

Benefits

- ✓ Comfortable seat with adjustable backrest
- ✓ Suspended frame for optimal comfort
- ✓ Small turning radius
- ✓ Fits through a regular door opening
- ✓ Low seating position with a low centre of gravity for increased stability

Popular options/accessories

- Pedal assist (Smart E-Bike)
- Foot fixation or balanced pedal for pedal adjustments
- A mirror for extra safety
- 8-gear hub with freewheel or backpedal braking
- A basket to bring along your necessities



“Our daughter with balance issues is incredibly happy and proud of this tricycle.” - Fam. Meyer



Easy Sport

Recumbent trike

The Easy Sport is the ideal tricycle for sports-minded people that also like comfort. This tricycle has an ergonomic and adjustable seat with a backrest. This allows for the perfect combination between sportive, and recreational use.

The under-seat steering decreases the stress on your back, neck, shoulders, and wrists. The length of the Easy Sport is adjustable. This gives you the ideal cycling position suitable to your length.

The suspension in the frame provides extra comfort while cycling.

With the optional pedal assist, cycling becomes even easier!



“I can't lift my arm up very well. This bike with under-seat steering is the best solution for me. It's great!” - Daniel

Benefits

- ✓ Comfortable seat with backrest
- ✓ Less stress on your back, shoulders, and wrists with the under-seat steering
- ✓ Suspension for added comfort
- ✓ Easy to get on and off
- ✓ Adjustable length

Popular options/accessories

- Pedal assist (Smart E-Bike)
- 8-gear hub with freewheel or backpedal braking
- Preferred controls on one side, or a one-hand-operated lock
- A variety of seats (XL seat or recumbent shell seat)
- Foot fixation on the pedals



Maxi

Traditional tricycle

The Maxi is a traditional, yet trendy tricycle for adults. Due to its three wheels, you are stable on the bike, and you feel safe while cycling. In addition, the bike runs lightly and is easily manoeuvrable.

On the Maxi, you have a higher seating position. This gives you a good overview of the road and your surroundings while cycling. After a visit to the store, you can easily take your groceries with you in the optional basket.

Due to its accessible step-through, getting on and off the bike is very convenient. Like most other Van Raam bikes, the Maxi is also available with an electric motor for pedal assist.



"Because of an infarction, I was no longer able to cycle. The Maxi was the solution for me to cycle again!" - Eva

Benefits

- ✓ Stable tricycle in 'classical' design
- ✓ High seating position for a good overview
- ✓ Runs lightly and easily manoeuvrable due to the differential
- ✓ Fits through a regular door opening
- ✓ Safely get on and off the bike by using the parking brake

Popular options/accessories

- Pedal assist (Smart E-Bike)
- 8-gear hub, or Ergogel seat for added comfort
- A mirror or foot fixation for added safety
- Anti-puncture tyres
- A basket or walking stick holder to bring along your necessities





Maxi Comfort

Tricycle with low step-through

Van Raam has an alternative version of the traditional tricycle. The Maxi Comfort tricycle has an extra low and wide step-through. This makes getting on and off the bike very easy.

On this tricycle, the seat is not placed directly above the bottom bracket, but slightly behind it. This allows for optimal movement of the knee while sitting slightly lower. Because the centre of gravity is also a bit lower, the tricycle is very comfortable.

Are you looking for a two-wheeled bike with a low step-through? The Balance might be a good option. You can find the Balance on page 26.



"The Maxi Comfort tricycle gives me the security and confidence to go out." - Gerda

Benefits

- ✓ Easy to get on and off due to the low step-through
- ✓ Ergonomic and comfortable position
- ✓ More power due to forward pedalling motion
- ✓ Medium-high seating position for a good overview
- ✓ Lighter steering compared to a standard tricycle

Popular options/accessories

- Pedal assist (Smart E-Bike)
- A variety of frame sizes
- Backrest (with belt) or foot fixation for extra security
- A basket or walking stick holder to bring along your necessities
- 8-gear hub with freewheel or backpedal braking





"At first, I didn't want a tricycle, but with the Midi everything is easier. I can go wherever I want." - Peter

Benefits

- ✓ Stable tricycle in 'classical' design
- ✓ Runs lightly and is easily manoeuvrable due to the differential
- ✓ High seating position for a good overview
- ✓ Fits through a regular door opening
- ✓ Safely get on and off the bike by using the parking brake

Popular options/accessories

- Pedal assist (Smart E-Bike)
- 8-gear hub with freewheel or backpedal braking
- Backrest with belt for fixation and extra security
- One-hand operated lock
- A basket or walking stick holder to bring along your necessities



Midi

Traditional tricycle

The Midi is a traditional tricycle suitable for kids from about 8 years old, or for smaller adults.

This trendy bike is easily manoeuvrable and runs lightly. The midi is very stable due to its three wheels. The higher seating position gives you a good overview of the road and your surroundings.

Despite its three wheels, the midi fits through a regular door opening. This way you can easily store the bike in your garage for example.

With the available options such as pedal assist, the Midi can be configured to your needs and make biking even easier for you.



Mini

Children's tricycle

The Mini tricycle is a cheerful bike for children from about 4 years old. The three wheels provide extra stability, and make getting on and off the bike easier.

The mini is a lightly running bike on which, using additional options if needed, children can easily cycle away. These options can for example be a push bar, a backrest, or foot fixation.

The Mini makes it possible for a child to ride their bike together with friends and family.



||
"Tim is very happy with this bike. Before, he couldn't cycle. Now he can cycle together with his friends." - Fam. Smits



Benefits

- ✓ Stable tricycle
- ✓ Safely get on and off the bike by using the parking brake
- ✓ Very easily manoeuvrable
- ✓ Lightly running bike
- ✓ Fits through a regular door opening

Popular options/accessories

- Pedal assist (Smart E-Bike)
- Push bar
- Foot fixation, pedal extension, or balanced pedal with strap
- Adjustment of the frame height
- Backrest with belt for fixation and extra security



Husky

Children's tricycle

The cheerful and colourful Husky tricycle is suitable for young children from about 2 years old that have difficulties with their stability.

Crank shorteners are integrated into the cranks by default. This way a child can always properly reach the pedals. The Husky is also fitted with a specially designed bottom bracket which allows for a straight downward pedalling motion.

With the optional backrest and belt, the child firmly sits on the bike. With the optional push bar, the child can be pushed forward when cycling independently is difficult.

An electric motor for pedal assist is not available on the Husky.

Benefits

- ✓ Runs lightly and easily manoeuvrable due to the differential
- ✓ Crank shorteners
- ✓ Specially designed bottom bracket, for a straight down pedalling motion
- ✓ The seat height is easily adjustable with the quick release lever
- ✓ Colourful and cheerful

Popular options/accessories

- Backrest with belt for fixation and extra security
- Push bar
- Foot fixation, or balanced pedal with strap for pedal adjustment
- Uninterrupted handlebars
- Lighter or heavier transmission gear



"Because of this bike, our daughter can join the other kids when they are cycling." - Rian



Viktoria and Viktor

Tricycles with two front wheels

The Viktoria and Viktor are tricycles with two front wheels and one rear wheel. These bikes are specially designed for people that have difficulties with estimating the width of a tricycle.

The Viktor is designed for adults and its little sister, the Viktoria, for smaller adults and teenagers. Both bikes have a low and wide step-through that makes getting on and off the bike easier.

Because of the three wheels, it is not needed to get off the bike when you come to a standstill. With the optional pedal assist, cycling becomes even easier.



Benefits

- ✓ Easy to estimate the width of the bike
- ✓ Low and wide step-through
- ✓ High seating position for a good overview
- ✓ The three wheels give the bike its stability
- ✓ Safely get on and off the bike by using the parking brake

Popular options/accessories

- Pedal assist (Smart E-Bike)
- A basket or walking stick holder to bring along your necessities
- A mirror, balanced pedal, or foot fixation for extra safety
- Ergogel seat
- 8-gear hub with freewheel or backpedal braking



"Thanks to the Viktor I have the confidence that I can correctly estimate the space of a passage." - Bob



Viktoria



Viktor





Easy Go

Mobility scooter bike

The Easy Go is a unique bike: It is an (electric) bike and a mobility scooter in one. While riding, you can easily switch between the three modes. Cycling completely on your own, cycling with pedal assist, or riding in mobility scooter mode.

While cycling with electric pedal assist, you can use three support levels. For both forward, and reverse cycling. In the mobility scooter mode, you can let your feet rest on the retractable footrest. The Easy Go is stable, compact, and easily manoeuvrable. The bike is therefore very well suitable for doing groceries. You have an upright position due to the comfortable seat.



Benefits

- ✓ Bike, E-Bike, and mobility scooter in one
- ✓ More compact than a mobility scooter
- ✓ Both forward and reverse cycling and driving
- ✓ Anti-tilt wheels and parking brake for increased safety
- ✓ No driving license or certificate needed

Popular options/accessories

- Extra battery pack or battery with a higher capacity for an increased range
- One-hand operated lock
- Foldable armrests
- Direction indicator lights
- XL comfort seat

“Because of my illness, I often do not have the energy to cycle. With the Easy Go I can still go outside.” - Wendy





||
"The Balance is a pleasant bicycle. I can always reach the ground with both feet. It feels very safe." - Jacqueline



Balance

Low step-through bike

The Balance is a low step-through bike. Due to the unique frame, you have a lower seating position to make sure you always can reach the ground with both feet. Because of this you do not have to step off the bike, and you can cycle with a straight leg.

The centre of gravity of this bike is slightly lower which makes cycling easier and more comfortable. The Balance has a unique ergonomic seating position where wrists, shoulders and neck are relaxed.

Do you want a low step-through bike with three wheels? The Maxi Comfort tricycle might be a good choice. You can find the Maxi Comfort on page 14.

Benefits

- ✓ Extra wide and low step-through
- ✓ You can always reach the ground with both feet without getting off the bike
- ✓ You can apply more force due to the forward pedalling motion
- ✓ Ergonomic seating position
- ✓ Cycle comfortably due to the lower centre of gravity

Popular options/accessories

- Pedal assist (Smart E-Bike)
- Various frame sizes available
- One-hand operated lock
- Panniers or walking stick holder to bring along your necessities
- Mirror for extra safety





City

Walking aid

With the City walking aid, also called a walking bike, standing and walking takes a lot less effort. Your body weight is being carried by the seat, which relieves stress on your back, hips, knees, and ankles.

Getting on the City is easy and safe due to the low step-through and the handbrake which keeps the bike in its position. When a wheelchair is not yet needed and a walker is not your preference, the City walking aid will enable you to walk longer distances. Furthermore, the walking aid is allowed in most shops.

The City is easily manoeuvrable due to its compact size and two small, yet robust wheels.



Benefits

- ✓ Relieves the back, hips, knees, and ankles
- ✓ Walking takes less effort
- ✓ Foldable design for easy transportation
- ✓ Compact and lightweight
- ✓ Easily manoeuvrable due to the two wheels

Popular options/accessories

- Detachable basket on the handlebars
- Quick-release lever to easily adjust the handlebars
- Reinforced version (up to 150 kg)
- Ergogel seat
- Various frame sizes available



"I can't go without my walking bike anymore. I even do my groceries with it, it's allowed in most shops." - Ingrid





Cycling together

Side-by-side tandem bikes

When cycling independently becomes difficult or is not possible, the choice for a bike on which you can cycle together can be made.

On a side-by-side tandem, you sit next to each other. On the Fun2Go, one person drives the bike while the other rides as a passenger. The FunTrain is a trailer that can be connected to the back of the Fun2Go. This way the operator can bring along a total of three passengers.

Benefits

- ✓ Good visibility and communication by sitting next to each other
- ✓ One driver + passenger(s)
- ✓ Passenger can come along if they can sit
- ✓ Easy to use
- ✓ Enjoy bike rides together





Fun2Go

Side-by-side tandem bike

With the Fun2Go side-by-side tandem bike, you can cycle together. Because you are sitting next to each other, you can easily communicate with each other and enjoy the surroundings together.

The driver has full control over the bike and the passenger can optionally pedal along. Because of this, the bike is perfect for people who can not (or no longer) participate in traffic individually.

The Fun2Go is guaranteed to provide hours of cycling fun and is widely used in, among others, health care institutions or nursery homes. To cycle without too much effort, you can opt for electric pedal support.



“Thanks to the Fun2Go we are visiting various places. We have gotten back our freedom.” - Olivia

Benefits

- ✓ Good visibility and communication by sitting next to each other
- ✓ Passenger can come along if they can sit (pedalling along is not necessary)
- ✓ Easy to operate with small turning radius
- ✓ One person is steering, both can pedal
- ✓ Comfortable and adjustable seats with backrest

Popular options/accessories

- Pedal assist (Smart E-Bike)
- Rotating seat for getting on and off easily
- Seatbelt, armrest, or foot fixation for extra safety
- Foldable footrest for passenger
- Disengagement hub



FunTrain

Side-by-side tandem trailer

Cycling together becomes even more wonderful with the FunTrain. This side-by-side trailer is connected to the back of the Fun2Go using a towbar. This way the driver of the Fun2Go can now bring along three passengers.

The driver sits on the front side-by-side tandem and has full control over the whole train, as they are the only one that can steer and brake. On the FunTrain you are seated next to each other, so you can easily communicate with each other and enjoy the surroundings.

The FunTrain is equipped with an overrun brake. With the retractable nosewheel, a disconnected FunTrain is easy to move around.



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"It is nice to be able to go out with three residents. They always look forward to the rides we make." - Kim



Benefits

- ✓ One supervisor can cycle with three passengers
- ✓ Easy to connect to the back of a Fun2Go
- ✓ Good overview and communication by sitting next to each other.
- ✓ Easily adjustable seat with back rest
- ✓ Disconnected FunTrain can be moved using the retractable nosewheel

Popular options/accessories

- Foldable footrest for passengers
- The choice if passengers of the FunTrain are forced to pedal along
- Seatbelts and armrests for extra safety
- Foot fixation for pedal adjustment
- Anti-puncture tyres





Tandems

The tandems from Van Raam are used to enjoy cycling together. Because of the low step-through and the many available options, the tandems are often used for people that cannot cycle independently.

Van Raam has two-wheel and three-wheel tandems for either two adults, or for one adult and a child.

Benefits

- ✓ Increase mobility
- ✓ A good overview due to the high seating position
- ✓ Low step-through
- ✓ Available in various models and with different options
- ✓ Easy to use





Twinny and Twinny Plus

Tandems for adults

The Twinny is a two-wheel tandem for adults. On this bike, you are seated right behind each other. The space between both seats is greater than on the average tandem. While cycling, one person steers and brakes, both can pedal. The driver can optionally control the way the passenger pedals along. A big advantage of this tandem is the low step-through. On the Twinny you have a high seating position, which gives both cyclists a good overview.

The Twinny Plus is a tandem with three wheels. This tandem is based on the Twinny but has two rear wheels. The advantage of this is that you have more stability, and you can more easily get on and off the bike while it is standing still.

The tandems have a solid and stable frame that gives the bike its unique riding characteristics.



Twinny



Twinny Plus



Benefits

- ✓ Extra space between both persons
- ✓ Low step-through
- ✓ Easy to get on and off due to the solid bike stand
- ✓ On the Twinny Plus you can easily get on and off due to the three wheels
- ✓ A good overview due to the high seating position

Popular options/accessories

- Pedal assist (Smart E-Bike)
- Choice of front, or rear steering
- Different frame heights possible
- Backrest (with belt) or foot fixation for extra safety
- The driver can choose if the passenger is forced to pedal along

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“Paul is not able to cycle independently but has a good physical health. He enjoys cycling a lot.” - Laura





Kivo en Kivo Plus

Tandems for child + adult

The Kivo is a two-wheel tandem for a parent or supervisor that wants to cycle with a child. The child is seated in the front on the tandem and has a good overview of the surroundings while cycling.

The adult is seated on the rear of the tandem and can easily keep an overview of both the child, and the road. The Kivo has 8 gears and a switchable freewheel hub. This way the supervisor can choose if the child is forced to pedal along or not.

The Kivo Plus is a three-wheel tandem that gives you more stability while cycling. Because of the two rear wheels, getting on and off the tandem bike is even easier.



Kivo



Kivo Plus



||
"It is so nice to be able to cycle with our daughter! We love going outside and to the playground together." - John

Benefits

- ✓ Good overview of the road for both the child and the adult
- ✓ 8 gears and switchable freewheel hub
- ✓ Low step-through for both the adult and the child.
- ✓ The supervisor can choose if the child is forced to pedal along or not
- ✓ Better riding characteristics than tandems from other manufacturers

Popular options/accessories

- Pedal assist (Smart E-Bike)
- Backrest (with belt) for extra safety
- Different frame heights possible
- Foot fixation or pedal shortener for pedal adjustment
- Transfer stand on the Kivo makes it easy to get on and off





Wheelchair bikes

The wheelchair bikes from Van Raam enable people to cycle together with someone that is not able to cycle themselves.

On the OPair, the passenger sits in the seat on the front of the bike. On the VeloPlus, the passenger can remain seated in their own wheelchair.

Benefits

- ✓ With a wheelchair bike, you can get closer to your destination
- ✓ A good overview for both the driver and the passenger
- ✓ Easy to use
- ✓ Increase mobility in an environmentally friendly way
- ✓ Both the passenger and the supervisor can enjoy a bike ride together





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"Unfortunately, I cannot cycle myself, but with this bike, we can still go out together." - Richard



OPair

Wheelchair bike

The OPair is suitable for cycling together with someone that can not cycle themselves. A comfortable seat is positioned at the front of the bike. However, your own custom seat can also be fitted.

The depth of the seat and the backrest can be adjusted to the passenger. The driver of the bike has a good overview of both the passenger and the road. The passenger can enjoy the unobstructed view.

The OPair is also available with a divisible frame. This way the front of the bike can be used as a wheelchair on location.

Benefits

- ✓ Stable cycling due to the slightly angled front wheels
- ✓ Easy to drive due to the regular steering angle
- ✓ Suspension for extra comfort for both the passenger and driver
- ✓ Ergonomic cycling position for the driver
- ✓ Adjustable and foldable footrests for the passenger

Popular options/accessories

- Pedal assist (Smart E-Bike)
- Divisible frame: Front section can be used as a stand-alone wheelchair
- Adjustable seat width, which makes it suitable for children
- A variety of seatbelts and foot fixation for the passenger
- Extra battery pack for an increased range





VeloPlus

Wheelchair transport bike

The VeloPlus is a bike on which you can transport people that remain seated in their own wheelchair. The wheelchair with the passenger can easily be pushed onto the tilting platform. This doesn't require a lot of force or any additional equipment. The VeloPlus is suitable for a wheelchair & passenger with a total weight of max. 140 kg.

The wheelchair is safely secured on the bike with a wheelchair locking mechanism and a seat belt. The low centre of gravity and the wide wheelbase in the front give the bike its stability. This makes the bike an ideal solution for making bike rides with wheelchair users.

The optional pedal assist makes cycling on this modern wheelchair bike even more convenient.

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"On this bike, I can cycle together with my father. We can make all sorts of fun trips together." - Jessica



Benefits

- ✓ The passenger can remain seated in their own wheelchair
- ✓ Tilting platform to easily load the wheelchair and passenger onto
- ✓ Stable and easily manoeuvrable due to the steering front wheels
- ✓ Three fixing hooks and a seatbelt to secure the wheelchair
- ✓ Suitable for nearly all hand-driven wheelchairs (max. 74cm wide)

Popular options/accessories

- Pedal assist (Smart E-Bike)
- Anti-puncture tyres
- Electric winch to load the passenger and wheelchair onto the bike
- Extra battery pack for an increased range
- Reinforced front section (Passenger and wheelchair max. 200 kg)





Chat

Rickshaw transport bike

The Chat is a rickshaw on which one driver can transport one or two people in the front of the bike. The passengers are seated in an ergonomic and suspended tub that is fitted with seatbelts. The driver is seated behind them and therefore has a good overview of both the passengers and the road.

As the name suggests, people can comfortably have a chat while out on a cycling tour. The bike is suitable for people that want to go out, while they can be supervised by the driver. With the chat, every ride becomes an event.



Benefits

- ✓ The bike has pedal assist (Smart E-Bike) by default
- ✓ A comfortable and safe seat on the front with seatbelts
- ✓ Easy to get on and off due to the retracting footrest
- ✓ Cheaper than transportation by bus or taxi
- ✓ Very easy to drive

Popular options/accessories

- A canopy that protects passengers from rain and sunshine
- Extra battery pack for an increased range
- Mirror for added safety
- Panniers or walking stick holder to bring along your necessities
- A leg cover so passengers can stay warm during colder days



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"Our residents enjoy cycling a lot. They especially enjoy visiting 'old' places." - Thomas



Technical specifications

	Easy Rider M	Easy Rider L	Easy Rider Junior	Easy Sport	Maxi	Maxi Comfort	Midi	Mini	Husky	Viktoria	Viktor	Easy Go	Balance	City	Fun2Go	FunTrain	Twinny	Twinny Plus	Kivo	Kivo Plus	OPair	VeloPlus	Chat
Frame height (cm)	-	-	-	-	53 ¹	51 ¹	41 ¹	30 ¹	23 ¹	42	50	-	51 ¹	47 ¹	-	-	52 ¹	52 ¹	30 ¹ front 52 ¹ rear	30 ¹ front 52 ¹ rear	52	52	52
Entry height (cm)	35	35	35	31	28	23	25	20	12	19	16,5	28,5	23	22	-	-	37 front 44 rear	37,5 front 45 rear	36 front 43 rear	36 front 45 rear	45	28	45
Weight of the bike (± kg) (Pedal assist excluded)	49	51	36	39	29	32	27	21	11	30	30	64	22	9	69	67	35	44	39	48	58	64	97
Max. weight luggage carrier (kg)	20	20	20	20	20	20	20	20	20	15	15	20	20	-	20	20	20	20	20	20	20	20	20
Length of the bike (cm)	225 max.	242 max.	175	195-225	180	194	168	136	98	155	173	166	182	113	200	197	259	261	244	246	214	253	232
Width of the bike (cm)	78	78	75	80	75	75	75	60	59	80	89	71,5	66	55	113	113	66	75	66	75	76	253	111
Divisible frame available	✓	✓	✓	-	✓	-	✓	-	-	-	-	-	-	-	-	-	✓	✓	-	-	✓	✓	-
Max. user weight (kg)	140 ²	140 ²	80	120	120	120	90	65	65	110	110	140	120	100 ²	120 ²	120	120	120	120	120	120 ³	110/140 ³	120/200 ³
Inner leg length (cm)	65-88	85-108	47-73 ¹	65-105 ¹	80-95 ¹	76-91 ¹	66-80 ¹	47-59 ¹	35-47 ¹	63-80	75-93	78-90 ¹	76-91 ¹	70-95 ¹	75-90 ¹	75-90 ¹	77-89 ¹	77-89 ¹	50-62 ¹ front 77-89 ¹ rear	50-62 ¹ front 77-89 ¹ rear	80-95	80-95	80-95

¹ = Customisable ² = Reinforced version available

³ = OPair: Both the driver and passenger max. 120 kg. VeloPlus: Driver max. 110 kg. Passenger + wheelchair max. 140 kg* (* Reinforced front max 200 kg). Chat: driver max. 120 kg and total passenger weight max. 200 kg.

Options/accessories

To adjust a Van Raam bike to your individual needs, it is possible to add options and accessories to your bike. With every bike type, there are special options available that make cycling easier, more comfortable, and/or safer. Examples are foot fixation, crank adaptations, seatbelts, back rests, shifting levers, special handlebars, saddles, mirrors, and walking stick holders. You can find all options for each Van Raam bike on the website. It is also possible to have a Van Raam bike powder coated in almost every possible RAL-colour.

Are you having doubts about the different options? During an appointment, at Van Raam, the adviser will help you find out which options suit you best. During this appointment you also have the option to see and try a lot of different options. This way you can ensure that you choose the bike that fits you best. On page 60 you can read more about an appointment at Van Raam.

Besides the standard options, Van Raam also can provide tailor-made solutions. We can make frames to suit all sorts of specific needs. You can contact Van Raam about the possibilities.

On this page you can find the most popular options and accessories from Van Raam.



You can find all options and accessories on the website!

Pedal assist (Smart E-Bike)



Foot fixation



Seatbelt



Armrest



Basket



Crank adaptation



Backrest (with belt)



Footrest



Special handlebar



Pedal assist (Smart E-Bike)

All electric Van Raam bikes are fitted with the Silent system. This system offers pedal assist while cycling. The body of the motor, batteries, controller, software and the Smart display are specially designed by Van Raam for adapted bicycles. The system is easy to use and makes cycling even more convenient.



Advantages of the Silent System

- ✓ The different levels of support, and a starting aid
- ✓ Easy to use
- ✓ Noiseless, yet very powerful motors.
- ✓ High-quality and safe batteries
- ✓ Individually programmable pedal support for your needs
- ✓ ExtraEnergy test winner for many years
- ✓ Smart E-Bike (IOT connected)
- ✓ Free Van Raam E-Bike App
- ✓ Forward and backward pedalling support.
(Not for two-wheel bikes and backpedal brake)

Van Raam E-Bike App



VR1F motor Silent electric system

Smart E-Bike with app

All electric Van Raam bikes are also Smart E-Bikes. This means that they are connected to the internet, and you can access your bike's data from your phone. The free app can be downloaded from your device's app store, and can be used as a comprehensive cycling computer. For example, you can change the recipes on your bike, and view the average speed and total distance after a cycling tour.

It is also possible to receive notifications about your bike via the Van Raam App. For example, you can choose to receive notifications when your battery is almost empty, or when it gets too warm or cold.

Starting aid

The electric system is fitted with a starting aid by default. You can use this to ride up to 6 km/h over approximately 10 meters without having to pedal yourself.

Smart display

The Silent System is being operated through the Smart display located on the handlebars of the bike. The Smart display has 5 buttons. The on/off button, three buttons for the levels of support, and the starting aid button.



Smart display

Battery indicators

On the Smart display, you can see the status of the battery through the LED indicators. This battery indicator consists of five green LED lights of which the left-most one can also turn red. The battery indicator indicates the amount of energy in the battery. Another LED battery indicator is present on the battery pack itself.

Batteries

Van Raam uses two different types of Lithium Ion (Li-ion) batteries. These high-quality batteries are being produced in The Netherlands and can withstand many loading cycles. Van Raam provides a noiseless and powerful (6 amperes) charger with these batteries. This charger is fitted with a magnetic connector, which can easily be connected to the battery using one hand.

The electric tricycles, Side-by-side tandems, and three-wheeled tandems all have a Cube li-ion battery pack (11 or 25 Ah). The other E-Bikes have a Slim Li-ion battery pack (13 Ah). The batteries have a very high capacity. On some bikes, it is possible to use two batteries that together have a maximal capacity of 1760 Wh.

For the Silent electric system, three different types of motors are available. The VR1F Silent motor, VR2F Silent HT motor, and the VR2R Silent HT motor. These motors all deliver a maximal nominal continuous power of 250 Watt.

Cube Li-ion battery



Slim Li-ion battery





About Van Raam

Van Raam has over 110 years of experience, and has been making bicycles for almost 100 years. Since 1986, the focus has been on adapted bicycles. The company has a history as a manufacturer of bicycle frames and is the world market leader in adapted bicycles.

A Van Raam bike gives people a form of mobility, freedom, and independence. It is for this reason that we have a wide variety of bikes for people with a disability. The unique riding characteristics of each Van Raam bike make for a special cycling experience.

Our high-quality Dutch bikes are designed by our in-house Research and Development department. Almost the entire production process takes place in our own factory using the most modern and innovative production techniques. By adding options, accessories, and frame adaptations, we can make a bike to suit almost everyone's individual needs.



Read more about Van Raam

Innovation

At Van Raam we are always working on improving and developing our products and processes. Van Raam aims for a high level of innovation within every department. We are proud of the bikes that we have developed using the most modern production techniques. Since December 2018 we are doing this in our sustainable and modern bicycle factory.

We have won various innovation awards and are leading within the Smart Industry and Smart Working principles. Van Raam has, with the development of Smart Industry, digitised, automated, and robotised a lot of processes.

The following innovative developments are applicable to Van Raam:

- ✓ Focus on sustainability and environment
- ✓ Modern techniques and machinery
- ✓ Corporate Social Responsibility
- ✓ Cooperation with Students and Universities (Innovation Hub Innovar)

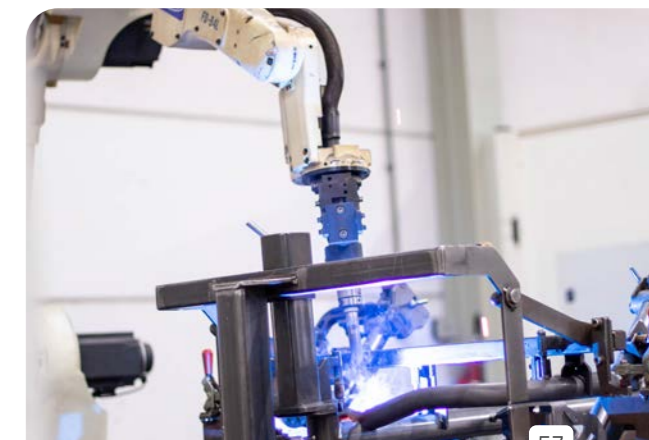
Van Raam

- ✓ Over 110 years of experience
- ✓ Proud family business
- ✓ Offers people mobility
- ✓ Custom-made bikes
- ✓ World market leader
- ✓ Dutch quality
- ✓ Innovative and modern production techniques

3D scanner



Welding robot



Production process

The production process of a Van Raam bike goes as follows:

1. Design

Our Research and Development department designs a new bike.



2. Production of the frame

All our bicycle frames consist of steel tubes that have been processed using various machines. For example, computer-controlled milling machines, and 3D laser cutting machines. Our welding robots and welders take all processed parts and weld them together into a bike frame.



3. Blasting and powder coating

In a blasting chamber, all frames are blasted. The frames can then be powder coated in our in-house powder coating street. A Van Raam bike can be powder coated in almost every possible RAL-colour.



4. Assembling the wheels

In our wheels assembly line, we manufacture all wheels in-house. We spoke the wheels and a machine then adds the rim tape. The wheel then enters a machine in which all spokes are tensioned, and the wheel is correctly centred. The same machine then runs a test to fine-tune the tension of all spokes. If the wheel is correctly put together, the inner- and outer tires are placed. The wheel is now ready to be used on a bike.



5. Picking the parts

In the automated warehouse, all parts are gathered that the mechanic needs to assemble a bike.

This is done for each individual order as all bikes require different parts, due to the many different options and accessories. Some of these parts, like for example the axes, are produced in house.



6. Assembly

Our mechanics assemble the bike using all the parts and a frame from the previous processes. All options, such as the electric motor, foot fixation, back rest, or walking stick holder are also assembled on the bike at this stage.



7. Final inspection

When the bike has finished assembly, it is being inspected one last time by one of our final inspection mechanics.

After the bike has been approved by the inspector, the bike can be made ready for transport. The bike is then shipped to the dealer that ordered the bike. The dealer then organises the delivery to the customer.



Scan the QR-code with your smartphone or tablet to explore more about the production of an adapted bike on our website.





Purchasing

Showroom

In our large showroom in Varsseveld (The Netherlands), all Van Raam bikes are available. Besides the tricycles, wheelchair bikes, tandem bikes, side-by-side tandems, low step-through bikes, walking aid, transport bike, and the mobility scooter bike, a wide variety of options and accessories are also available in the showroom. On page 52 you can find the most popular options and accessories.

Van Raam also has a showroom, or experience centre, in Germany. Just like in The Netherlands, you can try all bikes here. Contact Van Raam to make an appointment to visit one of our showrooms.

Test ride at Van Raam

An extensive test ride with a Van Raam bike is very important. An adapted bike is often very different from a regular bicycle and requires some getting used to.

Are you interested in a Van Raam bike, and do you want to take a test ride on one or more bikes? On appointment, you can make an obligation-free test-ride on various bikes at one of our showrooms. You can contact Van Raam to discuss the possibilities or make an appointment.

During the appointment, our technical advisors will answer all your questions and help you find the perfect bike for you. In Varsseveld, you can even try your bike on the test track.

Schedule a test ride!



Configurator

Van Raam also offers the possibility to configure your bike online. In the online configurator, all options and accessories can be added to create your ideal bike.

Once you have put together your bike, you can see exactly what the costs of your unique Van Raam bike would be.



Scan this QR-code and configure your bike in the online configurator.

Dealers

The sale of Van Raam bikes exclusively takes place at Van Raam dealers. Van Raam bikes are internationally available at the dealers that are listed on our website. There are different types of dealers; for example, Premium Dealers, rehabilitation specialists/medical device suppliers, service partners, or rental locations.

At some dealers, it is also possible to make a test ride. Premium Dealers have various Van Raam bikes available in their showroom. Premium Dealers also have specialists available to advise you on the purchase of a Van Raam bike. These dealers also have a workshop and possess the skills required to carry out maintenance.

Find a dealer near you on www.vanraam.com/dealers.



Service

Warranty

Van Raam stands for quality. With the purchase of a Van Raam bike, you also receive an extensive manufacturer's warranty.

All over the world, we have expert dealers that sell our adapted bikes. The Van Raam dealers order the bikes and deliver them to the customer. They also provide you with the service that your bike needs and take care of any warranty procedures.

It is important that your Van Raam bike is inspected by a dealer annually to ensure the applicability of the warranty. This also ensures that your bike is in optimal condition, and you have the best cycling experience.



Maintenance of Van Raam bikes

A well-maintained bike ensures a better cycling experience. To keep your bike in the best condition possible, regular light maintenance (such as cleaning and greasing bike parts) and fine adjustments are advised. This differs for each Van Raam bike. It is important to know what you can do yourself, and what the Van Raam dealer can provide for you.

More information about maintenance can be found in the user manual of the relevant bike. User manuals can be found on the bike's product page on www.vanraam.com.

Repairs via the Van Raam dealer

Despite the good maintenance efforts, a defect or malfunction can occur. In this case, the Van Raam dealer can be contacted for repairs. Repairs, maintenance, or modifications are always carried out using original Van Raam spare parts. In case a dealer has questions about anything, they can contact the Van Raam aftersales department for support.

Follow Van Raam online

All news and information about Van Raam can be found on www.vanraam.com. Follow us on our social media pages YouTube, Facebook, Instagram, Twitter, Pinterest, and LinkedIn, and miss nothing. Subscribe to our YouTube channel and discover new product-, instruction-, and informative videos every week.



Colophon

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