



SPECIFICATION

INSTALLATION

If you are not completely sure how to install the pedals correctly, contact a professional bicycle mechanic. There is a good chance you can damage your bicycle irreparably if you install the pedals incorrectly.

WHAT'S NEXT?

As you have probably already noticed, Vigurvânt pedals have two working positions:

In the closed position they function like normal pedals - no different to your old ones. They might even work better, since we only use quality bearings and hardened Cr-Mo axels. The closed position uses a simple system of stainless steel springs and balls, and you can adjust how loose or tight the system is for opening and closing the extension using a 5mm hexagonal wrench and turning the bolt that works as the axle for the extension.

- When riding alone, the Vigurvânt pedal in the closed position includes the same risks and regulations as normal cycling. Go through your bicycle user manual carefully and be aware of what it tells you.
- If the pedal comes into contact with the road surface, ground or any object that could cause the pedal extension to open, before you continue riding always check that the pedal extension is in the closed position. After a more serious impact or accident, inspect the pedals as you would all other components and the entire bicycle more carefully, and let a professional bicycle mechanic give it the once over as soon as you can. Riding with half closed extensions or damaged pedals can cause unexpected results that can lead to serious injury or even death.

In the open position Vigurvânt pedals provide enough foot space to let your friend riding on your rack do half of the pedaling. That's cool! To keep it that way you always need to keep some things in mind. Seriously!

- Never stand or ride on the opened extension if you are behind the handlebars. No matter whether you are riding completely alone or with a friend and positioned in front as the main rider - Vigurvânt pedals are not designed for this kind of use or the resulting forces. The pedal body is made of strong fiberglass reinforced plastic, but in some circumstances even this material can fail and this can result in serious injury or even death.

Before you start riding with a friend, check that both pedals have the correct side up; otherwise the extension will fold down as soon as pressure is placed on the extended pedal.

On most regular bicycles, Vigurvânt pedals in the open position are no wider than the handlebars. This provides you with a useful guide when cycling past things like people or lamp posts, but this won't help at all with obstacle that are lower than your handlebars.

- Be careful when cycling past things! Always slow down, stop pedaling and keep the crank and pedal that is towards the obstacle in the upper position. Always STOP if you are NOT SURE you can pass safely, otherwise it could lead to serious injury or even death.
- You and especially your passenger must wear proper footwear! Sandals or other open footwear can lead to serious injury in combination with a failure to consider the warnings above.
- While riding and making turns pay attention to the position of the crank/pedals. On turns stop pedaling and keep the crank/pedal on the side you are turning towards in the upper position.

To minimize the risk of accidents, Vigurvânt pedals are designed so that in most occasions if the open extension makes contact with the solid road or ground surface it will simply fold upward and not cause an accident. The pedal extensions will only receive some scratches, but that's why they are made of stainless steel. Remember! This only minimizes the risk, so be careful!

- Always close the extension immediately after riding with another person. IMMEDIATELY! The extension is made of strong stainless steel so it can handle hard pedaling, and it also has a special profile to provide good grip for your friend's foot. The edges of the profiles have been softened, but in the open position they could still cause injury or damage if this warning is not kept in mind. So, there should be no discussion on this point - please close the extension immediately after use!

By now you might be thinking that riding with Vigurvânt pedals is like swimming with crocodiles. It has some similarities, but well, we have conducted about 3000 km of test rides with our most valuable friends under different circumstances and conditions in the last year, and this distance is rising fast - and so far, scratches on the extensions are the only damage we have encountered. If you keep this simple advice in mind, then the first step towards pleasure and avoiding disaster has been made.

ESSENTIAL

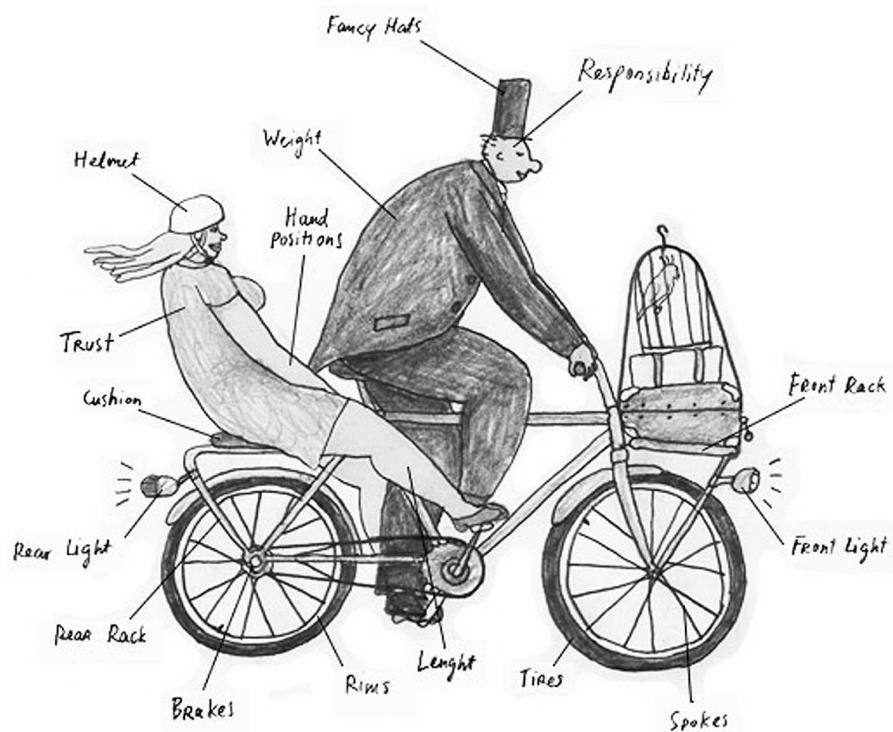
Riding a bicycle with another person is not the same as doing it alone. It's much more exciting. We absolutely agree that it's fabulous to walk together, enjoying each other thoughts and all the amazing things around you. Especially if one of you has a bicycle and you still need to get to the cinema, for instance. What if you would like to explore a remote beach on the other side of town, but your friend can't manage such a long trip with his or her own bicycle? Or imagine you want to go for a picnic where buses or trains don't go, and only one of you has a bicycle. Or your pal can't afford a taxi to reach the airport in time? You can probably figure out even more situations...

That's one side of being able to ride with your friends, but it is even more important that you take care of each other and do all these exciting trips safely. Here are some things that you really must check carefully before you start thinking about sending your old pedals to the museum.

RESPONSIBILITY

You are the one who makes all the decisions: where to turn, when to stop, how fast to go and your friend can only trust you. Deserve that trust! Do your best without taking any risks. Also, at some point, if you want to swap places, so that your friend sits in the front, then you have to be sure, that he or she is familiar with all the instructions both in the SPECIFICATIONS and ESSENTIALS chapter and also knows how to use that knowledge. Same story when you lend your special bicycle to someone else. Also notice that although your passenger can do half of the pedaling, in normal conditions\* the person behind the handlebars is ultimately in control. This means if there is a critical situation, where you need to brake or change gears urgently, you are always able to stop pedaling, no matter how seriously your friend takes his or her job.

\*Normal conditions means that your strength and ability and those of your passenger are more or less similar.



FANCY HATS

Sure these are almost irresistible, but in traffic you could actually lose your head. Use a helmet! It's fancy and safe at the same time.

FRONT RACK

This is a very sensible solution for your picnic stuff or other equipment. It balances the bicycle and makes steering easier up hills.

FRONT LIGHT/REFLECTOR

Must have! Read your local traffic code if you don't believe me. Be sure that it is not covered by the front rack, basket or the stuff inside the basket.

WEIGHT

Generally the bicycle is more stable and easier to steer if the person with more weight takes the responsibility.

LENGTH

How tall does your friend have to be to ride with you? This depends on the bicycle frame and the passenger's legs, but 160cm is already fine. The Vigurvânt solution is NOT suitable for children.

HAND POSITIONS

It's a little secret. If you don't have any special handles and a back rest for the passenger, then kindly ask your friends to hold on to the front of the rack, so they can use their arms as diagonals which will straighten their back. This also works quite well with longer trips - it's worth trying out. Of course, if you have slightly deeper feelings for your friend, then you know what to do.

CONTACT

If it's not specially requested, then it's absolutely possible to ride without any physical contact with your co-rider. Well, except between your shoes of course.

HOLES

Avoid holes, high curbstones and other obstacles that might harm your rear wheel and make your friend think twice about your relationship.

BRAKES

Brakes are one of the most important things for a responsible cyclist. Riding with another person involves risks. The first thing you might notice is that your braking power will decrease and it will take longer to stop. Always make sure you have at least two well-adjusted brakes. Use both front and rear brakes in all braking situations.

SPOKES

Use proper stainless steel spokes, and still try to avoid HOLES in the road.

TIRES

First make sure that the tires are properly inflated. Secondly, we advise you to use puncture resistant tires. Regular tires might also work well, but this is where Murphy's law seems to apply. The tire will go flat exactly when you have to pick up your girlfriend.

RIMS

We recommend a double-walled rim, at least for your rear wheel.

REAR LIGHT/REFLECTOR

Elementary! Also be sure that it is not connected to the seat post, so that it would be covered by the passenger.

REAR RACK

If you already have rear rack, then you have to make your own judgment - can it handle another person. Generally, old school steel racks work, modern aluminum racks don't.

Personal experience says that the easiest way to find what you are looking for is to ask someone who is familiar with bending and welding to make simple steel rack especially tailored to your bicycle. Then there will be no adjustable parts and it will really last. May sound complicated, but we believe in DIY spirit combined with professional skills.

There are also solutions that are ready made for carrying heavy loads and extra people. The only thing that is missing is the right set of pedals.

- <http://www.xtracycle.com/>
- <http://yubabikes.com/>
- [http://surlybikes.com/bikes/big\\_dummy](http://surlybikes.com/bikes/big_dummy)
- <http://www.konaworld.com/ute.cfm>
- <http://www.madsencycles.com/>

CUSHION

When you start to customize your existing rear rack or decided to build a new one, then think about passenger comfort. Sitting on a metal frame is almost impossible. A solid surface like plywood is already pretty good, but actually you should sacrifice your old leather trousers, like we did, and make a proper comfortable seat. DIY instructions will be available in the near future as well as ongoing brainstorming about universal solutions.

HELMET

Both riders must wear proper helmets. Simple!

TRUST

Riding on the rear rack is little bit similar to traveling on a train. You can enjoy the scenery at the side without worrying about the road and traffic ahead. Just relax and let the engine driver do all the rest. "But I have to do half the pedaling!" That's another little secret. You are already helping your friend behind the handlebars by just keeping your feet on the pedal extensions. Do you know how to lift another person with one finger? Search: Light as a feather, stiff as a board. Yes, it's magic! Who is pedaling?

ABSTRACT

When you have made sure that you and your bicycle are both up to giving your pal a lift, read your local traffic code once more to brush up on all the regulations that deal with that situation.

The Estonian code says in § 32.

"A cyclist is not allowed to give a ride to a passenger that is not sitting on a seat provided for that purpose, or is not wearing a proper helmet."

It might be quite similar in your own country. We have tested our special tandem with the police forces in Estonia and Finland, and have only received the same surprised smiles we get from ordinary people. So, wear helmets and don't ride like idiots, then everything should be fine.

After installing your Vigurvânt pedals, take your friend and find a quiet place away from the traffic. Do a test ride so that you can get to know everything you need to start riding with your new pedals. Maneuver and brake with two of you on the same bicycle. All new things need practice. If you're lucky then you will already find it to be easy the first time, but never over estimate your skills when you start to ride in the traffic. Always use common sense and good judgment! Respect life!

WARRANTY

Vigurvânt pedals are guaranteed free from manufacturing defects for one year from the original date of purchase for the original owner.

This warranty does not cover damage due to wear and tear, misuse, abuse, neglect, accidents, improper assembly or repair, or anything else beyond our control.

We don't assume any responsibility for any personal injury or material loss that may be caused while using Vigurvânt pedals, whether caused by accident, negligence, misuse or otherwise.

Vigurvânt pedals are produced worldwide, and assembled and checked in Estonia, EU.

For more information: [www.vigurvant.com](http://www.vigurvant.com)

