

The logo for Huka, consisting of the word "huka" in a bold, lowercase, sans-serif font, is positioned inside a yellow diamond shape in the top-left corner of the page.

**huka**

A photograph of two men riding a tandem bicycle on a cobblestone path. The man in the front is older, with white hair, wearing a light blue sweater and tan trousers. The man in the back is younger, with a beard, wearing a blue jacket over a maroon shirt and brown trousers. They are both smiling and looking towards the right. In the background, there is a large brick building with a tall wooden windmill structure. The scene is outdoors on a sunny day with a clear blue sky.

MANUAL

# Tandem Copilot 3





## Congratulations on your new Copilot 3

Would you like to cycle carefree? With your Copilot 3, we want to make your world easier. You would probably rather go cycling than read the manual. That is why we have put together a manual that contains the most important and necessary information about the safe use of the Copilot 3. Please read this manual thoroughly before using the Copilot 3 and always follow the instructions given in the manual. To make the best use of the tandem, I will sometimes give you a few advices so that you can continue to cycle safely and have fun.

We would like to hear about your experiences and where you like to cycle. Would you like to share it with us on Facebook? We love to hear from you!

**We wish you lots of cycling fun!**

Kind Regards,

Milan Leussink

Maker of the Copilot 3



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# General

## Indication & application

Your Copilot 3 is specially designed for people who need extra support to be able to cycle stably and safely. This may be because you like to experience more stability or because you have a neuromuscular condition, for example, which may affect your coordination or natural movement possibilities. The Copilot 3 is designed to be used on normal public roads and cycle paths.

- The Copilot 3 complies with all laws and regulations that apply to its use on public roads. Using the Copilot 3 as a racing or cross bike is beyond normal use and responsibility of Huka.
- It is your responsibility to act according to the specific safety requirements that apply in the country you are cycling in. This also applies to possible insurances according to the relevant legislation including a correct equipment of yourself and your tandem that the country in question requires.
- The main driver must be independently mobile and must not have any physical or mental challenges that prevent safe participation in traffic, such as an (audio) visual impairment.

## Warranty

Huka applies a standard 5 year guarantee to the frame and the fork of your Copilot 3. Besides that you have a 2 year guarantee on the battery and other parts. All warranties will be executed by your Huka dealer.

- The warranty does not apply to damage or defects to the Copilot 3 that have been caused by wrong or injudicious use. The assessment of this lies with Huka B.V. or one of its representatives.
- The warranty does not apply to parts that are subject to wear and tear, such as the chain, brakes, and tyres.
- Under no circumstance can Huka be held liable for any special or consequential damages resulting from negligence of the user of the Copilot Even if Huka was informed about such damages.

- Applicable law may not allow the limitation or exclusion of liability or damages. Therefore, the above limitation or exclusion may not apply to you.
- The warranty and product liability in general may expire if instructions in this manual have not been followed, if maintenance activities, technical alterations or additions to the bicycle have been carried out with non-original Huka parts without Huka's permission. Also, the CE-marking will become void. The absence of a CE-declaration can lead to problems with the insurance of the bicycle and with possible damage or liability.

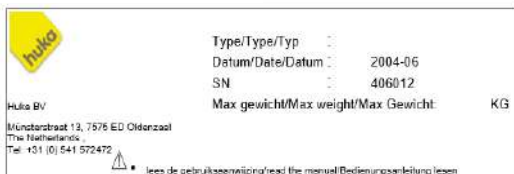
**ADVICE FROM MILAN** Please write down the frame and key number of your Copilot 3 below. The number is important for guarantees, repairs or in case your tandem is stolen to report to your insurance company. The number can be found just above the bottom bracket on the back of the seat post on the frame tube.

#### Frame number



Location identification sticker

#### Key number



Example identification sticker

## EU Declaration of Conformity

Supplied under the sole responsibility of the manufacturer:

**Huka B.V.**

Munsterstraat 13, 7575 ED Oldenzaal, Netherlands

Hereby declares that the following tool:

Registered trade name:	Copilot 3
Product type:	Therapeutic tandem
Risk class:	Class 1
SRN:	NL-MF-000003494

*to which this declaration relates, is in conformity with the following Regulations:*

Regulations (EU) 2017/745 of the European Parliament and of the Council of 5 April 2017 (MDR).

*And equipped with the CE mark that can be identified by the:*

labels on the tricycle's main frame and illustrated in the Warranty section of this manual.

Signed on behalf of Huka,



R. Lotgerink, Managing  
Director

Date: 15 April 2021







## First bike ride on the Copilot 3

The time has come. Your first experience on your own Copilot 3! Whatever bike ride you do, your safety comes first! If it is your first time cycling on a Huka tandem, you might have to get used to it. The most important tip we can give you is that you have to relax as much as possible while cycling. To make sure everything goes as smooth as possible, we give you some instructions.

**ADVICE FROM MILAN** Make sure that the handlebars and the saddle for the main driver and the co-driver are well adjusted before you start cycling so that the right position is adopted on the bike. On your first bike ride, make sure the front handlebars are fixed.

### Safe on the road

Besides your skill on the Copilot 3, which will improve as you use it, it is important that your tandem is in optimal condition when you hit the road. We recommend that you take the following aspects into account:

- Before each use, check the condition and operation of the brakes, tyres, lights, rims and steering system.
- The Copilot 3 must not be driven alone from the front position. From the rear seat, the vehicle can be driven by one person, if the hand brakes are fitted to the rear wheel.
- The main driver must be at least 16 years old and must be able to see over the front driver.
- Please note that the braking characteristics change and that the braking distance can increase with, for example, a slippery road surface and/or greater user weight.
- Make sure that any luggage is well secured and cannot move around.
- Ride on flat and firm surfaces and avoid deep potholes, high thresholds, puddles of water and slopes with a gradient of more than 8%.
- Ride at an appropriate speed on wet or slippery surfaces, slopes or precipices. Avoid bumping into kerbs.

- Always lock your tandem when parking it. Use the parking brake to prevent it from moving.
- Wear reflective clothing to increase your visibility on the road.
- Wear an appropriate bicycle helmet.
- The Copilot 3 is largely made of steel that is considered non-flammable. The other materials used, such as plastic, rubber, etc., are not fireproof.
- Before setting off, check that the lights are working and replace the batteries in good time.

## Boarding and cycling

Always use the parking brake when mounting or dismounting and make sure the Copilot 3 is on the stand so the tandem stays still. This way you can get on and off the bike more safely. Put it in first gear (if applicable), so that you can pedal more lightly.

- When you get on, lift your foot to the other side so that your feet are on either side of the tandem. Then put your strongest leg on the lowest pedal and sit down on the saddle.
- As soon as you sit down and want to ride, take the tandem off the parking brake.
- Stay upright at all times and keep your feet on the pedals. Also when you brake or stand still.

**ADVICE FROM MILAN** When cycling, steer with your arms and not with your body. Cycling into corners takes some getting used to. In order to maintain stability, lean your body slightly towards the inside of the bend. Be careful when making short turns. Adjust your speed. Avoid sudden and violent steering movements. In this way, you can avoid accidents and damage.

**ADVICE FROM MILAN** When changing gears, make sure you stop pedalling and select the desired gear. Do not continue pedalling when changing gears. This can damage the gear-shifting mechanism. Damage to the gear hub as a result of abuse is not covered by the warranty.

## Brakes

Depending on the chosen braking system, we give some instructions on the different braking possibilities.

- Back pedal brake: By stopping pedalling forwards and then pedalling backwards, the back pedal brake is activated. This operates via the layshaft on both rear wheels.
- Handlebar brakes: braking is done by squeezing both brake levers on the handlebars. The left hand brake operates the rear wheel brake.
- The right hand brake operates the brakes on both front wheels. When cornering, it is best to use the left hand brake. Practise braking on a large enclosed area before you hit the road. You will then become familiar with the system.



Be careful with the front brake when cornering. Using only the front brake in a corner can cause instability of the bike. This can lead to personal injury and/or property damage.



Always use the parking brake when getting on or off the bike. This prevents the bicycle from rolling away. This reduces the risk of falling.

## Cycling with pedal assistance

If your Copilot 3 is equipped with pedal assistance, the electric motor is activated as soon as you start pedalling. Pedalling then becomes lighter. When you stop pedalling, the pedal assistance stops as well.

The Copilot 3 can be equipped with pedal assistance from various manufacturers. Below is a brief description of the basic functions per manufacturer.

### Heinzmann

- The support can be set at different levels using the arrow keys on the handlebar.
- To activate the pedal assistance, press the on/off switch for 3 seconds.
- To switch off the pedal assistance, press and hold the on/off switch for 3 seconds.

### Bafang

- The support can be set at different levels using the arrow keys on the handlebar.
- To activate the pedal assistance, press the on/off switch for 3 seconds.
- To switch off the pedal assistance, press and hold 'Mode' for 3 seconds.

A detailed explanation of the pedal assistance can be found in the Heinzmann or Bafang manual supplied.

### With pedal assistance and start help

The start help is intended to facilitate starting up from a standstill. This function can therefore only be activated with a stationary Copilot 3. If you are using a Heinzmann system, you can switch on the start help by pressing the up arrow button. The motor will then drive up to 6 km/h without you having to cycle. When you release the arrow button, the propel will stop immediately.



Heinzmann control buttons



Bafang control buttons

With a Bafang system this works differently. You activate the start help by pressing the - button until the bicycle symbol appears. Then keep the - button pressed while the bicycle symbol is shown. The start help will now be activated. As soon as you release the button, the drive aide will stop immediately with driving.

## Battery indication

If your Copilot 3 is equipped with pedal assistance, the display will show how full the battery is. Check whether the battery is full when you travel (longer) distances. The block symbol will get shorter as the battery gets empty. When the block symbol is completely black, the battery is full.



Heinzmann battery display



Accu indicatie display Bafang



Exposure to bright sunlight can make various materials very hot.



The product contains moving parts. These include the steering wheel, wheels, etc. Be alert to the danger of crushing.



Vigilance is recommended when using electrical equipment when the electric drive is on. Think of a mobile phone.

## **Moving and carrying the tandem**

To move or carry the tandem, you can grab the tandem at the back by the carrier and at the front by the head tube. We recommend that you lift the tandem with at least two people. Also hold the handlebars while lifting to prevent the front wheel and handlebars from turning and possibly causing injury.



# Product description

Your Copilot 3 consists of several parts. The most important parts are described in this chapter.

## Bicycle frame

The frame of the Copilot 3 consists of a tubular metal construction complemented by aluminium and stainless steel components. Most of the metal parts are phosphated and then provided with an impact-resistant powder coating. This construction and finish guarantee years of cycling pleasure.

## Drive unit

The tandem is standard equipped with a parallel running chain, which requires the co-driver to pedal. It is also possible to choose another drive system, namely:

- Front freewheel: The co-driver decides whether he wants to pedal along or not.
- Rear freewheel, switchable: The main driver has a lever on the handlebar with which he can determine whether the co-driver will join the pedal or not. It is important that there is no pressure to change pedalling or not.
- Pass Vario pedal assistance: the main driver is required to pedal along. The motor supports while cycling and can be set to different levels.

## Wheels and tyres

The wheels are equipped with quality hubs, stainless steel spokes and an aluminium rim. A-quality tyres are mounted on these rims. These provide good grip, low rolling resistance and less wear.

**ADVICE FROM MILAN** Regularly check tyre pressure and tyre wear to ensure safe cycling. Tyre pressure and tyre wear has a major influence on how your bicycle behaves.



## Spokes

Proper tension of the spokes ensures a stable tandem. Because of the functioning of the new spokes, the wheels of your Copilot 3 need to be checked after 200 kilometres or 2 months. Your Huka dealer can take care of that. Should a spoke break or come loose, consult your Huka dealer as well.

## Chain case & chain

The chain guard is specially designed for the Copilot 3 and made of impact-resistant plastic. The chain guard protects the chain from dirt and water and also ensures that the chain cannot dirty your legs or clothing. With a good chain tension, your Copilot 3 will pedal smooth and you will not hear the chain. If you notice that your chain is too slack, have it adjusted by your Huka dealer.

## Brakes

The tandem is equipped with a hydraulic rim brakes at the front and a back-pedal brake at the rear. The electric version of the Copilot 3 is equipped with a rim brake instead of a back-pedal brake. The left brake lever operates the rear brake and the right brake lever operates the front brake. Optionally the tandem can be delivered with a freewheel hub instead of a back-pedal brake. Your Huka also has a parking brake that you use when getting on and off the bike.

**ADVICE FROM MILAN** In time, brakes can wear out and are very important for safety while cycling. That is why you should have your brakes checked regularly and, if necessary, adjusted or replaced. Your Huka dealer can help you with this.

## Crankshaft, crankset and pedals

- The bottom bracket bearings that Huka uses are completely maintenance-free and cannot be adjusted. If the bearing does get loose, go to your Huka dealer immediately. If there is play between the crank and the bottom bracket, take off the dust cap and tighten the underlying bolt with a socket spanner.

- Most pedals are maintenance-free. Is there too much play? Then consult your Huka dealer. When assembling the pedals yourself, pay attention to the indications L (left) and R (right) on the pedal axles. You turn the left pedal counter-clockwise. You tighten the right pedal clockwise. To do this, use a socket spanner or a special (narrow) pedal spanner.
- Various (modified) pedals are available as an option.

## Gears

If your Copilot 3 has a standard gear hub it is an 8-speed hub by Shimano type Nexus. If your Copilot is equipped with electric pedal assistance, a derailleur type gear is used. The tandem can also be delivered in combination with a back-pedal brake. Upon delivery your Huka dealer has checked and adjusted the gears. The explanation of the gear hub can be found in the Shimano manual.



Adjusting the gear hub is very specialist work. This should only be done by a Huka dealer.

## Saddles

The saddles are adjustable in height, depth and angle. It is very important to adjust the saddle correctly in order to cycle efficiently, comfortably and safely.

A different model of saddle is optional.



When adjusting the height, make sure the seat post sticks enough into the frame so that the safety marking "MIN" is not visible.



## Handlebars

The handlebars of the tandem can be made of steel or aluminium. This depends on the model of bicycle or handlebar chosen. The handlebars can be adjusted in height and angle. With some handlebar models, the angle and depth are also adjustable.



When adjusting the height, make sure that the handlebar stem retains enough of its position in the frame so that the "MIN" safety marking is not visible.



The saddle and handlebars should always be tightened securely. Check this regularly. A loose saddle and/or handlebar can create an unsafe situation.

## Mudguards

The mudguards are made of impact-resistant plastic and are fully coloured. Splashing water is stopped, so that the clothing does not splash under.

## Lighting

The Copilot 3 features battery powered LED lighting with low energy consumption and long life. The batteries (type AA) are available at various stores.



Remember to change the batteries in time to avoid dangerous situations in traffic. Without batteries, the lights will not work. Make sure that old batteries are disposed of properly.

## Carrier

The carrier is made of steel. There are several possibilities to carry the luggage. Ask your Huka dealer about this, so that the right materials can be used and the whole thing can be assembled safely. For a Copilot 3 with electrical assistance, the battery-pack is mounted under this carrier.



If you use the luggage carrier, distribute the luggage as well as possible. The maximum load for this is 25 kg.

- Total maximum load Copilot 3/24: 80 kg co-driver + 100 kg user + 20 kg luggage = 200 kg.
- Total maximum load Copilot 3/26: 80 kg co-driver + 100 kg user + 20 kg luggage = 200 kg.



Always ensure that the lights and reflectors are clearly visible. The luggage must also be properly secured. Luggage that is not properly secured can be dangerous in participating traffic. Straps or belts should be properly secured to prevent them from getting into the wheel.

## Electric pedal assistance

The Copilot 3 can be fitted with electric pedal assistance. The tandem is equipped with an electric motor in the rear wheel, a battery pack and an electronics box on the carrier. A clear display with controls is also mounted on the handlebar.

## Pass Vario pedal assistance

With the Pas Vario support, you pedal along and the pedalling is supported by the electric motor in the rear wheel. The degree of support can be adjusted with the control buttons on the handlebar and can be read on the display. The bicycle is equipped with a 36V 11Ah Li-ion battery mounted under the carrier.

### Heinzmann



Handlebar mounted controls



Handlebar mounted display



Engine in rear wheel



Battery pack

### Bafang



Handlebar mounted controls



Handlebar mounted display



Battery pack

## Accessories

Your Copilot 3 can be expanded with various accessories. Think of a trunk support, footrest etc. More about these options can be found on the price list on our website [www.huka.nl](http://www.huka.nl) or contact your Huka dealer.



## Securing components

It is important that crucial components of the tandem are tightened correctly. These components must be tightened with the correct torque. The table below shows the values for these tightening torques.

Section	Tightening torque (nm)
Bolt handlebar clamp	40
Handlebar stem bolt	20
Handlebar stem bolt	24,4
Seat post bolt	quick-release (foldable by hand)
Rear wheel nuts	8.4 (using Loctite)
Wheel nuts for	27



Failure to properly secure components may result in unsafe situations. Observe the prescribed tightening torques.

## Optimal use

When you deliver your new Huka, the parts have been adjusted to your body and to your wishes. To make sure you sit comfortably, there are adjustment possibilities for the saddle and handlebars.

### Adjusting the saddle height

1. Pull back the quick release lever.
2. Pull or push the saddle to the desired height. The seat pillar should reach into the frame by at least 6 cm, without the safety marking being visible.
3. Push the lever forward as far as possible to lock the saddle.



When adjusting the height, make sure that the seat post enough into the frame so that the safety marking "MIN" is not visible.



**ADVICE FROM MILAN** A good rule of thumb for saddle adjustment is to sit on the tandem without shoes with the crank in line with the saddle tube. With your heel on the pedal, you should not be able to extend your leg.

### Adjusting the saddle depth

1. Push the lever of the saddle clamp outwards, so that the saddle can slide.
2. Pull or push the saddle to the desired position.
3. Push the lever back in tight against the clamp.

### Adjusting the saddle angle

1. Use a size 13 open-end spanner to loosen the seat bolt slightly, so that the saddle can rotate.
2. Tilt the saddle to the desired angle.
3. Tighten the saddle bolt securely to the specified torque on page 19.



Seat height via quick-release lever



Adjusting saddle depth and angle



Saddles and handlebars should be firmly secured. Loose saddles increase the risk of dangerous situations in traffic.

A good posture also depends on the correct handlebar height. The handlebar height, handlebar angle and angle setting of the stem and handlebars can therefore be adjusted.

- The grips will generally be at the height of the rider's waist. To improve balance, the grips should be placed as far forward as possible, without causing an unfavourable sitting position.
- The handlebars should not touch the knees while riding, including when cornering.

## Adjusting the handlebar height

1. Use a size 6 Allen key to loosen the steering wheel bolt slightly so that the handlebar wheel can rotate.
2. Slide the handlebar to the desired position. Make sure that the handlebar stem retains enough of its position in the frame so that the safety marking is not visible.
3. Tighten the stem bolt again securely according to the specified torque on page 19.



When adjusting the height, make sure that the handlebar stem retains enough of its position in the frame so that the safety marking "MIN" is not visible.



## Adjusting steering angle (main driver)

1. Use a size 6 Allen key to loosen the angle adjustment bolt slightly so that the handlebars can turn.
2. Now turn the handlebar to the desired angle.
3. Tighten the angle adjustment bolt again securely according to the specified torque on page 19.



Adjust handlebar height      Adjust steering angle

**ADVICE FROM MILAN** Sometimes the stem is very tight and cannot be moved even when the stem bolt is unscrewed. Take a plastic hammer and hit the stem bolt once. This will shoot down slightly, after which the handlebar will be loose.

## Adjusting switch stem

1. Slide the locking tab upwards.
2. Pull the lever upwards.
3. Place the handlebar in the desired position.
4. Press the locking tab closed again.

## Wheels

The wheels also contribute to the light running and high riding comfort. Properly inflated tyres, tightly tensioned spokes and a slight clearance are important for optimal cycling comfort.



Adjusting switch stem



**ADVICE FROM MILAN** Before you start cycling, check that the wheels run smoothly and do not creak when you ride. Squeaking noises often indicate a loose spoke or a defective bearing. Contact your Huka dealer if this is the case.

## **Tyre pressure**

Always inflate the tyres properly. This will prevent wear and tear on the tyres of your Copilot 3. It is also a more comfortable ride and you will be able to react better to brake and steering movements. The correct tyre pressure is reached when you can press the tyre with your thumb just a little bit. You will find more information on tyre pressure on page 26.



## Best maintenance Copilot 3

Optimal riding comfort is created by properly maintaining the tandem. In this chapter we show you how you can do this best. We also advise you to have your annual maintenance done by your Huka dealer. They will check the Copilot 3 for functionality, safety and possible wear and tear.



After about 200 kilometres or after 2 months you need to have your Huka dealer do the first service. They will inspect the nuts, chain- and spoke tension, etc. If you have the maintenance done by a non-Huka dealer, this can influence the warranty.

### Cleaning

Clean the tandem regularly. This can be done with lukewarm soapy water in combination with a mild cleaning agent. Clean the rims with lukewarm water and/or a soft brush. Do not use a wire brush. This will damage the rims. The use of a high-pressure cleaner is not recommended. The high pressure will blow the grease out of the bearings, among other things. Rinsing with a garden hose is fine, as long as the jet is not too powerful. Dry the bike with a cloth.

### Tyre pressure & tread

Regularly check the tyre pressure and tyre profile for optimum grip on the road. The tyres of the Copilot 3 can be inflated with a normal bicycle pump. The desired tyre pressure is 4 bar. After inflating check that the valve does not leak. To do this, smear some saliva on the valve stem. If a bubble appears, the valve is leaking and must be replaced. If the profile is less than 1 mm deep, the tyres need to be replaced. Your Huka dealer can help you with this.

**ADVICE FROM MILAN** In case of a defect, contact your Huka dealer immediately. Do not use the tandem, or use it as little as possible, until the malfunction has been solved.

## Bonding

Have you discovered that one of your Copilot 3 tyres has a flat tyre? Your Huka dealer can of course fix it. But if you want to do it yourself, here are the instructions:

You will need: a repair kit (with tyre levers, glue, stickers and sandpaper), a jack, scissors, a bicycle pump and a bucket of water.

- Deflate the tire and unscrew the valve.
- Insert the first tire lever next to the valve (between the outer tire and the rim) and hook it behind a spoke. Do the same with the second tire lever (about two spokes away). With the third tire lever, carefully rock the tire off the rim.
- Remove the tire from the rim. Check that there is nothing sharp (glass, nail, etc.) on the inside of the tire.
- Remove the inner tube from the wheel.
- Inflate the tire and find the leak by holding the tire under water. Wherever air bubbles appear, the leak is located.
- Deflate the tire and lightly sand the spot of the leak. Spread some glue on the tire and let it soak in for two minutes.
  
- Use a ready-made adhesive or cut a circle out of the piece of adhesive. Stick this on the puncture and press firmly. Let it dry for 5 minutes.
- Place the valve back in the rim and assemble. Wait to tighten the thin nut until the entire tire is back on the bike.
- Inflate the inner tube slightly and place it in the outer tire. Press the outer tire into the rim all around. Start at the valve and work your way around slowly.
- Pump the tire to the correct pressure. Check that the tire is properly seated on the rim. Tighten the small nut on the valve. The tire is fixed!

## Spokes

The spokes should be checked for tension once a month. A loose spoke usually gives creaking noises. A loose spoke can cause the rim to warp, which affects the ride. The spoke check is easy to perform by strumming your finger along the spokes like a guitar. A spoke with a different tone will probably be loose. Your Huka dealer can do the repair for you.

## Chain

The chain should be cleaned and lubricated every quarter. Besides that, the chain tension should be checked regularly. We advise you to have this work done by a Huka dealer.

## Brakes

Regularly test the functionality of the brakes. A brake that is adjusted too loosely does not brake sufficiently. The brakes can easily be adjusted a little tighter with the adjusting nut on the brake handle.



Can the brakes not be adjusted or is the Copilot 3 still not braking properly? Have your Huka dealer check and adjust them.



## Lightning

The Copilot 3 is equipped with battery-powered LED lighting with low energy consumption and a long service life. In time, the batteries need to be replaced. These are available from various shops.

To replace the headlight batteries, unscrew the screw at the bottom with a coin or screwdriver. Then follow the steps on page 25.



Unscrew the nut



Tilt up headlamp glass



Replace batteries



Hook up and close headlights

To replace the rear light batteries, follow the steps below:



Push the black locking device downwards



Take off the rear light and replace batteries



Click rear light into place



Incorrectly installed batteries can cause a defect in the headlight. So always pay attention to the + and - signs on the battery.

## Charging the battery

If your Copilot 3 is equipped with pedal assistance, check before you start cycling that the battery is still sufficiently charged. Depending on the capacity, charging takes between 3 and 6 hours. Always use the original battery charger supplied.

**ADVICE FROM MILAN** Low ambient temperatures have an adverse effect on the charging of the battery. At temperatures below 10 degrees, it is best to take the battery inside and charge it at room temperature.

## Replacement components

Is your Copilot 3 broken or do components need to be replaced? We advise you to have this done by your Huka dealer. This is one of the ways to prevent the factory warranty from expiring.

The following sizes must be used to replace the inner tube and/or outer tube:

### **Copilot 3/24**

- Inner and outer size front wheels: 47-406
- Inner and outer tire size rear wheel: 47-507

### **Copilot 3/26**

- Inner and outer front tyres: 47-406
- Inner and outer diameter rear wheel: 47-559



Always have original Huka parts mounted on your tandem.  
Your Huka dealer can take care of this for you.



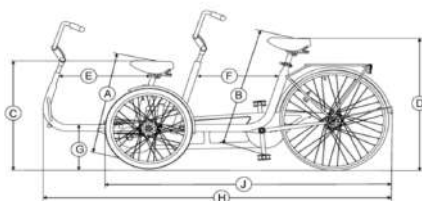
# Specifications

## Copilot 3/24

	Standard version
Material frame	anti-corrosion treated steel
Coating	outside quality epoxy powder coating
Color	white (RAL9016) or pearl grey (RAL9023)
Wheels	double-butted, alu rim with stainless steel spokes
Tires	Schwalbe Marathon Plus (anti-puncture)
Lighting	LED battery lighting front and rear
Bell	easy-to-use bell (black)
Mudguards	impact and form-retaining, plastic covered
Chain protection	impact-resistant plastic chain guard
Handlebar and stem	various types possible, see pricelist
Handles	Ergo Grip
Seat	front: children's model Selle Royal, rear: Velo Plush
Seatpost co-driver	alu 250 mm, adj. with quick release
Seatpost driver	alu 350 mm, adjustable with quick release
Pedals	metal with anti-slip
Front brakes	hydraulic rim brake
Rear brakes	coaster brake
Speed hub	8-speed hub with coaster brake, Shimano
Pedal drive	simultaneous pedaling, other options possible
Key lock	cable lock
Front construction	removable by quick coupling
Options	see price list for different options

	Front	Rear
Total length in mm (H)	2040	2080
Length to coupling point in mm (J)	1700	
Width total in mm	890	
Weight in kg (total)	30	
Crank length in mm	150	170
Length inner leg in mm (A,B)	500*-780	710-900
Seat height to ground in mm (D)	620*-870	770-940
Entry space in mm (E,F)	650	500
Entry height in mm (G)	400	400
Handlebar height	830-1050	980-1180
Height adj. handlebar in mm**	1000-1250	980-1180
Handlebar width in mm	640	640
Maximum load in kg	80	100
Tire size in ETRTO	47-406	47-507
Tire size in inch	20 x 1,75	24 x 1,75

\* in combination with crank shorteners / seat post shortener  
 \*\* larger version



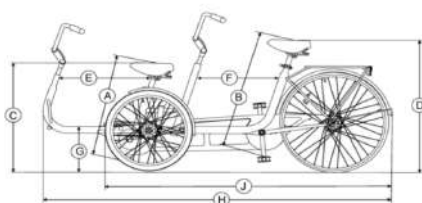


## Copilot 3/26

	Standard version
Material frame	anti-corrosion treated steel
Coating	outside quality epoxy powder coating
Color	white (RAL9016) or pearl grey (RAL9023)
Wheels	double-butted, alu. rim with stainless steel spokes
Tires	Schwalbe Marathon Plus (anti-puncture)
Lighting	LED battery lighting front and rear
Bell	sporty and easy-to-use bell
Mudguards	impact and form-retaining, plastic covered
Chain protection	impact-resistant closed plastic chain guard
Handlebar	metal v-handlebar front and rear
Stem	front ergonomically adjustable, rear standard
Handles	Ergo Grip
Seat	comfort gel seat, height adjustable
Seat post	alu front, suspension rear & quick release handle
Pedals	metal with anti-slip
Front brakes	hydraulic rim brake
Rear brakes	coaster brake
Speed hub	8-speed hub with coaster brake, Shimano
Pedal drive	simultaneous pedaling, other options possible
Key lock	cable lock
Front construction	removable by quick coupling
Options	see price list for different options

	Front	Rear
Total length in mm (H)	2150	
Length to coupling point in mm (J)	1860	
Width total in mm	890	
Weight in kg (total)	31	
Crank length in mm	150	170
Length inner leg in mm (A,B)	690*-970	850-990
Seat height to ground in mm (D)	860*-1000	940-1080
Entry space in mm (E,F)	650	500
Entry height in mm (G)	400	400
Handlebar height	1100-1290	1060-1240
Handlebar width in mm	650	650
Maximum load in kg	200	
Tire size in ETRTO	47-406	47-559
Tire size in inch	20 x 1.75	26 x 1.75

\* in combination with crank shorteners/ without suspension seatpost



**TIP FROM KEVIN** Do you have questions about the maintenance of your Copilot 3? Your Huka dealer will be happy to support you. In this manual we will also give you tips on how to maintain your duobike.

## Contact details Huka

Do you have questions about our product development? Or do you have suggestions to improve our Huka-bikes? Then please contact us.

Munsterstraat 13  
7575 ED Oldenzaal  
The Netherlands  
+31 541-572472  
info@huka.nl  
www.huka.nl/en

For questions about the maintenance of your Copilot 3 we refer you to your Huka dealer.

## Changes

Huka uses the philosophy of continuous product development and improvement. That is why the product delivered may deviate from the illustrations shown. Huka BV reserves the right to make changes to the product as described in this manual. No liability is owed for this. Misprints reserved.

For the latest version of the manual go to [www.huka.nl/en/manuals](http://www.huka.nl/en/manuals)

## Removal of product

Do you no longer use the Copilot 3? Then contact your Huka dealer. They can guide you with a possible sale or trade-in. If you want to get rid of your bike, you can also contact your local waste disposal company. They will dispose of the bike according to the applicable regulations and laws in your hometown.



If you want to replace the batteries or accumulators of your bicycle, please note that this is chemical waste. Therefore, make sure that it is disposed of properly.

### **Selling the Copilot 3**

If you want to sell your Copilot 3 to another user, it is important that you hand over all the necessary technical documentation so that the new owner can use the bike safely.

We advise you to have your tandem checked by your Huka dealer before selling them, so you can be sure that they are in good condition. Do you want to buy a used Huka bicycle? Then we advise you to have it checked by your Huka dealer. They can check for wear and tear and/or hidden defects.

# Huka makes your world easier

Based in Oldenzaal, we have been developing and producing bicycles that make a difference in the world of riders for more than 40 years.

## Innovative bicycles

Your mobility, independence and freedom is our passion. With a committed team, we supply a broad collection of innovative bicycles and other means of transport based on Dutch design. In our own country and far beyond. We are represented in America, Sweden, Norway, Belgium and Germany, among other countries. Our focus is not on providing products for people with a disability, but on providing solutions that keep you mobile.

## Always looking for the best solution

Our bikes can be used by anyone. Unlimited. If you like it and it offers you the functionality you are looking for, then a Huka fits you. Our team works together with visible pleasure on (new) solutions. That is what we go for every day. Unlimited. Always looking for the best solution.



Your Huka dealer