

2020
Recumbent
technology

Fun ride on three wheels

Gekko



HP
VELOTECHNIK



Gekko – Nimble touring trikes from HP VELOTECHNIK
Leave your daily grind for a joyride that puts a smile on your face!



Sometimes small course corrections
render surprising profits in dynamics

Lean back, let driving
pleasure commence

Gekko



A man and a woman are riding recumbent trikes on a paved road. The man, on the left, is wearing a blue shirt, black pants, a white helmet, and sunglasses. The woman, on the right, is wearing a black and pink shirt, blue leggings, a white helmet, and sunglasses. They are both smiling and looking towards the camera. The background shows a green hillside with a wooden fence and distant mountains under a blue sky.

In style

Powerful design, large 26" rear wheel and the licence for speed: With the Gekko fx 26 every sporty triker is on the road in style. Nevertheless, this large version of the Gekko can be folded quickly for transport. *More on page 8.*

Total indulgence

Gekko touring trike

Time for more enjoyment in life. With the agile Gekko touring trike, more than just your posture changes while cycling. Be it with the compact 20" rear wheel or the large 26" rear wheel: From now on, treat yourself to luxurious comfort in the recumbent seat of HP VELOTECHNIK'S Gekko trikes and enjoy all the riding fun on three wheels.

Gekko

Miracle, unfolded

Small, so you can make it big: The Gekko fx 20 can be folded compactly in ten seconds. Unfolded you will experience the ultimate driving pleasure of an agile, sporty touring trike. *More on page 4.*



Small is beautiful

With the Gekko fxs you can infinitely adjust the frame and seat for body heights from 1.15 to 1.80 m (3'09" to 5'11"). This is perfect for a child's bike that grows with the child or, with noble equipment, becomes an elegant vehicle for small riders. *More information on page 16.*



Start-up

Ready for take off: You want an attractive recumbent tricycle without getting into the technical details of the trike world? Then the Gekko 26 is a good choice: clear lines, raised seating position, no compromises when it comes to equipment. A great trike for small budgets! *More on page 14.*



All four Gekko models feature innovative technology and many years of experience in tricycle construction by the specialists at HP VELOTECHNIK. Sturdy and with a lot of grip, your Gekko is your loyal companion in everyday life and when travelling.

Explore new horizons with your Gekko. With impressively stable road holding, elicit maximum riding pleasure from every bend on your road with your Gekko. But you cut a good figure on the Gekko even at a leisurely pace!



Gekko fx 20: From compact size to full riding pleasure in ten seconds

Speeds up not only your heart rate: This tricycle remarkably unfolds into a good deal of riding pleasure. To enable you to carry the Gekko fx 20 quite compactly wherever you'd like to go, the engineers at HP VELOTECHNIK have equipped the foldable version of their nimble touring trike with an amazingly fast, easy-to-operate, sophisticated folding system.

Special feature: All components remain mounted on the trike – unlike conventional folding trikes, in which the seat, wheels or rack must be removed first and transported separately. HP VELOTECHNIK's patented *Dual Flat Fold (D.F.F.)* system implements this on the Gekko fx 20 with just two quick release levers. With little practice, you can fold your Gekko fx 20 into a compact size of 83 x 52 x 82 cm in ten seconds. See how it is done on the right.

Your advantage: After the swift folding, the package can be parked vertically to save space. So you can carry it easily along winding stairways or pull it behind you on the integrated transport wheels.

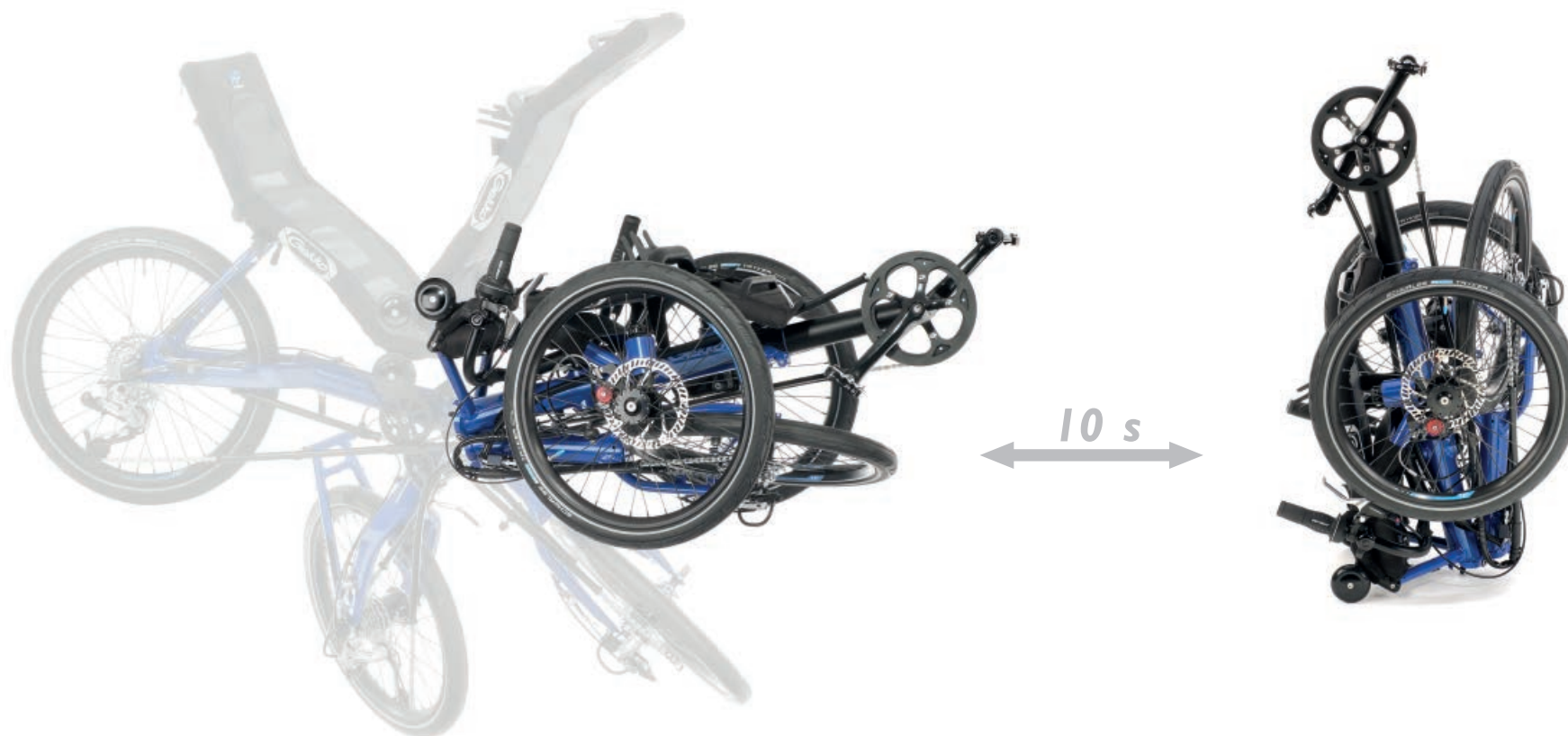
Cunning design: The solid frame construction of the Gekko fx 20 combines a secure road holding with a sporty handling, precise steering, low weight and maximum acceleration. The frame cross member elegantly curves to the front and is positioned close to the seat. Together with the rugged, wide angle-adjustable handlebar enables you to get in and out of the seat very easily.

The experience is in the details. Your dealer can advise you and show you how beautifully the Gekko fx 20 unfolds on a test ride!

Technical Data

Gekko fx 20

Seat height	..... 35 cm (13.7")
BB height	..... 38 – 48 cm (15 – 19")
Seat angle	..... 39 – 47° adjustable
Wheel size	..... 20" (ETRTO 406)
Max. tire width	..... 5 cm (2")
Width	..... 83 cm (32 ¾")
Length	..... 165 – 197 cm (65 – 78")
Height	..... 81 cm (32") (upright seat)
Folding system	..... HP Dual Flat Fold D.F.F.
Folded dim.	..... from 83 x 52 x 82 cm (32 ¾ x 20 ½ x 32 1/3")
Wheelbase	..... 100 cm (39 1/3")
Track width	..... 78 cm (30 ¾")
Turning circle	..... 4.25 m (14') outside
Ground clearance	..... 13 cm (5 1/8")
Handlebar width	..... 58 cm (22 ¾")
Weight	..... from 15.8 kg with pedals
Payload max.	..... 130 kg (286 lbs)
Frame material	..... Aluminum 7005 T4/T6
Powder coating	..... Magma red, Deep blue or custom color
Rider size	..... approx. 1.60 – 2.00 m (5 ¼' – 6 ½')
Warranty on frame	..... 10 years



Folded dimensions: 83 cm wide, 52 cm deep, 82–116 cm tall (32½x20½x82 1/3 – 45 2/3") (depending on front boom pullout and chain ring size). The front wheels can be easily removed with a bolt each, then the width is only 73 cm and the folded package is even less bulky. HP VELOTECHNIK's innovative folding technology is patented by the German Patent office (DE102010006378A1).

Folding trikes can be as easy as this: 1) Open the quick release lever behind the seat and fold the backrest forward. 2) Secure backrest on the frame cross member with the integrated Velcro strap. 3) Open quick release lever on the folding joint at the frame center and simultaneously unlock the safety bolt against spring pressure and open the folding joint upward a bit. 4) Carry out the *D.F.F.-Move*: Place one hand on the front of the main frame tube, the other on the back of the seat stay. Lift frame and turn sideways and in a smooth motion fold the rear wheel transversely below the frame. 5) Lock the rear end on the main frame with safety strap. 6) Set the compact package upright on the integrated foot stand. Experienced folders do it in 10 seconds. Alternatively, you can proceed as follows after step 3, which takes a little more time: 4a) Tilt wheel to the side, so that it is supported on the right front tire. Swivel the rear end to the front. 5a) Lock the rear end on the main frame with safety strap. 6a) Set the compact package upright on the integrated transport wheels.



Video-Link: See for yourself how surprisingly fast the Gekko folds up in our short movie „The Gekko Rider“. Scan the QR-Code or: <https://youtu.be/aqZ8-ytw6cY>





Ideal towing vehicle: With your Gekko you can tow two-wheel trailers up to 40 kg. In combination with the electric drive, it becomes an exceedingly attractive drivetrain. Good to know: Your trike is better suited for transporting trailers than conventional bikes. With two wheels in the front, you always have a good view of the widest part.

On the Gekko, you can judge the total width of the front pair better while riding through narrow areas. You can go with a heavy load on the trike as slow as you want without overturning. You are also visible to children in the trailer at eye level and can communicate with your little passengers by a quick look over the shoulder.

On Gekko, trailers can be mounted at the dropout with virtually all standard coupling systems. For some trailers, special drawbars for 20" towing vehicles are available on request. Please ask your trailer dealer for details.



The anatomically shaped seat is covered with a breathable mesh fabric. By regulating the straps you can adjust the seat shape according to your individual back shape.



The rider is the benchmark. In the recumbent position the disc pressure amounts to only a third of the bowed riding posture. Active sitting position strengthens the back muscles. The urologist Prof. Porst recommends the recumbent: "This vehicle has all the advantages of a conventional bike with the additional benefit that it does not restrict the blood flow in your genital area." The sports physician and urologist Prof. Frank Sommer has verified it. The recumbent seat has been the best so far among futuristic saddle designs.



The optional headrest is adjustable in height and in inclination. You can comfortably set it on the back of your head or if you wear a helmet, at neck height. Washable upholstery with reflective tape for increased visibility.

The blue ripstop nylon rain cover will keep your seat dry when you leave your bike in the rain or snow.



Practical detail: A zippered pocket is sewn in at the upper end of the backrest. Here you can stow the rain cover or your keys, cell phone and wallet within easy reach.

Out in front for connoisseurs: Your Gekko shows ergonomics at it's best

Finally a cycle on which you'd like to remain seated for another round after the tour. In terms of ergonomics, your Gekko is far superior to conventional upright bikes. Instead of balancing your whole body weight on a small, hard saddle, lean back comfortably in the wide mesh seat. The incline of the anatomically shaped backrest can be variably adjusted. It offers pleasant back support and relieves your spine. You can simply relax and forget about an aching bottom, numb private parts, aching spinal discs or a stiff neck.

To make it easy for you to get in and get out the frame cross member that connects the front wheels is bent backwards in such a way that you can put your feet securely on the ground close to the seat. Smaller riders will appreciate the built-in, extra wide heel clearance of the Gekko.

In the recumbent position you spare your knees when pedaling and can systematically regulate the stress of the muscles during fitness training. The sporty pedal position of the Gekko enables an optimal power support in the seat and gives you a streamlined, fully relaxed posture. Due to the open upper body posture, constricting pressure on the abdomen and your organs is avoided. Instead, the lungs can fully enlarge and bring your cardiovascular system to full capacity. Learn fast on the Gekko: Riding pleasure is the best heart rate accelerator!

Test it yourself: Your HP VELOTECHNIK dealer will be glad to show you the new ergonomics of cycling!





The Gekko fx with 26 inch rear wheel: Long wheelbase, dynamic performance



An elegant addition to the Gekko class: for the Gekko fx 26 the large 26 inch rear wheel offers dynamic propulsion. The advantages are clear: with the slender drive section behind the cockpit, comfortable driving characteristics increase perceptibly. Key points are smooth running, less rolling resistance and easy rolling over obstacles.

Impressive: the elegant notchback. The powerful, curved seat stay appears to transfer the power directly into the pilot seat of this trike. The long wheelbase in combination with the dynamically swept forward cross members give the large Gekko fx 26 it's own prominent language of design.



With the pedals positioned significantly higher than the seat, an efficient power transmission is facilitated and alongside the optionally adjustable reclined seating position underscores the sporty nature of your Gekko fx 26.

Comfortable ergo handlebars under the seat. Wrists and neck muscles are relieved. HP VELOTECHNIK's tried and tested steering geometry combines smooth directional stability with impressive maneuverability. Solid bearing with adjustable cartridge headset on the handlebar and maintenance-free sealed joint heads on the tie rods. The lightweight, high strength knuckles are forged and CNC machined for maximum tracking stability. They are mounted with durable, adjustable headsets rather outside on the frame.

The HP VELOTECHNIK seat system creates an exemplary ergonomic connection at the main interface between the rider and the trike. The well-ventilated mesh seat of the Gekko fx 26 is integrated in the frame structure for maximum stability. The seat features an anatomically shaped, adjustable reclining backrest and a handy zippered pocket for your important little things.



After loosening the two clamping bolts at the frame bottom, the frame is set to your leg length by sliding the front boom in or out from the main frame.



With the optional Quick frame adjustment, the length can be adjusted more quickly. The chain length modification is compensated by smooth pulleys. By sliding in the front boom during transport, your Gekko fx 26 is even more compact.



Practical during transport: HP VELOTECHNIK has developed unique open knuckles: With the HP Performance hubs the front wheels can be removed easily along with the brake discs by loosening a single screw. (Performance hubs are standard on Gekko fx 20, Gekko fx 26 and Gekko fx models)



Double safety: The sturdy folding joint has a safety bolt that is unlocked against spring pressure after the quick release is disengaged. Stainless steel precision folding axis from HP VELOTECHNIK.



Protects your clothes and the chain: The drivetrain is virtually completely covered. The special chain guide tubes made of durable plastic ensure minimum friction and quiet operation.

Wider is better: The wider the track width, the higher is the tilt stability and the faster your trike is when cornering. For this purpose the broad track of 78 cm (30 3/4") of the Gekko fx 26 provides a lot of room between the wheels for your hands on the wide handlebars, allowing much wider steering angle for a small turning circle. To enable your trike to slip casually through doors and gates, HP VELOTECHNIK has developed narrow hubs for a low total width of only 83 cm (32 3/4").

Compact, smooth-running wheels, optimized for the high side forces on the tricycle. The black anodized HP VELOTECHNIK tricycle rims with rugged aero hollow section combine excellent directional stability, maximum lateral stiffness and low weight for quick acceleration. Wide, highly resilient tires with puncture protection. HP VELOTECHNIK hubs with maintenance-free, sealed precision ball bearings. Rust-proof stainless steel spokes.

The Gekko fx 26 has a very safe braking action due to the low center of gravity and the long wheelbase. The standard disc brakes ensure maximum braking power even in bad weather. The front wheels are controlled separately so that you can selectively brake the inner wheel when cornering. Due to HP VELOTECHNIK's sophisticated steering geometry, there is no effect on the steering when braking. On request, we mount mechanically or hydraulically coupled front brakes with one-hand operation and a V-brake on the rear wheel as a parking brake.



Attractive views: The Gekko fx 26 rapidly unfolds lots of driving pleasure

In spite the inclination towards larger things the Gekko fx 26 can make itself small, just like it's kid brother with the 20 inch rear wheel. In no time at all. A practiced trike rider will take only 10 seconds to fold his vehicle to a size of 107 x 83 x 58 cm.

Thanks to the patented HP VELOTECHNIK Dual Flat Fold System (D.F.F.) no parts have to be dismantled. Not even if you have chosen to equip your trike the optional electric motor and battery!

Technical Data

Gekko fx 26

Seat height	..... 35 cm (13 ¾")
BB height	..... 43 cm (17")
Seat angle	..... 39 – 47° adjustable
Wheel size	..... 20" front / 26" rear
Max. tire width	..... 5 cm (2")
Width	..... 83 cm (32 ¾")
Length	..... 187–219 cm (73–86")
Height	..... 83 cm (32") (upright seat)
Folding system	..... HP Dual Flat Fold D.F.F.
Folded dim.	..... from 83 x 58 x 107 cm 32 x 23 x 42"
Wheelbase	..... 114 cm (45")
Track width	..... 78 cm (30 ¾")
Turning circle	..... 4,65 m (15 ¼') outside
Ground clearance	..... 13 cm (5 1/8")
Handlebar width	..... 58 cm (22 ¾")
Weight	..... from 16.7 kg (38.8 lbs)
Payload max.	..... 130 kg (286 lbs)
Frame material	..... Aluminum 7005 T4/T6
Powder coating	..... Magma red, Deep blue or custom color
Rider size	..... approx. 1.60–2.00 m (5¼'–6½')
Warranty on frame	..... 10 years





To adjust the frame to your leg length, you can slide the front boom into or out of the main frame after loosening the two clamping bolts under the main frame.



Convenient to transport: Although the Gekko 26 comes without a folding hinge for the main frame, you can still fold the seat forward to reduce the height when transporting the trike in the car.



To reduce the size of your Gekko 26 even further, loosen the axle bolts of the HP Sport hubs with an open-end wrench and Allen key and simply remove the front wheels together with the brake disc.



E-Trike ready: If one day you get the idea that an electric motor would be missing in your Gekko 26 – no problem! Like any of our trikes, the Gekko 26 can be retrofitted with a modern electric drive at HP VELOTECHNIK.

Gekko 26: Get started for your new Triker life

With the Gekko 26, our engineers have fundamentally rethought the tricycle philosophy of HP VELOTECHNIK. The aim was not only to achieve a higher seating position. Above all, our engineers wanted to implement the typical, sporty and precise driving dynamics of our Tadpole trikes with the two steered front wheels in a very price-sensitive environment. In other words: A great trike also for those who have to work on a tighter budget.

A well thought-out renunciation: Radical thinking requires consistent concepts. Two features are the main reason why the frame construction of HP VELOTECHNIK's trikes is very labour-intensive: First and foremost the driving characteristics, which are achieved above all by the ingenious geometry of the front wheel steering and which have a decisive influence on the driving experience. We will not change that! Thus, the Gekko 26 does without our second design refinement: the patented folding technology. In one respect, this even gives you an advantage: the strong frame can carry up to 150 kg (331 lbs), which is more payload than the foldable models.

Keep it simple: In order to make the Gekko 26 a price breaker, we have limited another element of the HP VELOTECHNIK philosophy for the Gekko 26 to essentials – our modular system. You can configure the drive train, the brake system and other technical components in several hundred thousand variants for almost all other two and three-wheelers that we custom-made for you in our factory in Kriftel. The option list for the Gekko 26 is short and convincing:

Ready to drive! Each Gekko 26 is equipped with a fixed, rock-solid component specification. For us, rock-solid means: 24-gear drivetrain from SRAM, hydraulic disc brakes from SHIMANO, tires from SCHWALBE and of course the tried-and-tested powder coating.

Handy? Surely! We have many useful and convenient accessories for your Gekko 26. Be it our special carriers, mudguards, headrests or rear-view mirrors and lighting systems – your dealer will be happy to complete your Gekko 26 to satisfy your needs. So you will soon be at the beginning of your beautiful new Triker life!

Technical data

Gekko 26

Seat height	38 cm / 15"
Pedal axel height ...	40,5 – 49 cm / 15" – 19.3
Seat angle	39° – 47° (adjustable)
Wheel size (f/r)	20" / 26"
Tire width max. ...	5 cm / 2"
Width	83 cm / 32.7"
Length	175 – 210 cm / 5'9" – 6'10"
Height (upright seat) ...	83 cm / 32.7"
Wheelbase	109 cm / 42.9"
Track width	78 cm / 30.7"
Turning circle	4,70 m / 15'5"
Ground clearance	18,5 cm / 7.3"
Handlebar width ...	58 cm / 22.8"
Weight (with pedals) ..	from 16,9 kg / 37.3 lbs
Payload max.	150 kg / 331 lbs
Frame material	Alu 7005T6
Powder coating	Lime green
Rider size (ca.)	1,60 – 2,00 m / 5'3" – 6'6"
Warranty on frame	10 years



Clear lines: The solid frame construction of the Gekko 26 combines safe road holding with sporty handling, precise steering, low weight and outstanding acceleration. With the highest sitting position in the Gekko class, the adjustable handlebars and the elegantly forward-bent frame cross-members positioned close to the seat the Gekko 26 ensures easy entry and exit.

Built-in elegance: The purist look of your Gekko 26 is enhanced by the *Flash* design, which was specially developed for our frames. The large tubes of the main frame and the strikingly shaped rear section have inspired the design of the graphics: The *Flash* design with lighter and darker variations of the basic colour makes your Gekko look even more dynamic.



A great trike Gekko fxs *for short people*

A tricycle for short people: With the Gekko fxs, HP VELOTECHNIK caters to the whole family with a new vehicle class, representing safety and a multitude of individual adjustment possibilities

Great perspectives for short people: Gekko fxs – the trike that grows with your needs!

How many bikes does a child need as it grows up? We at HP VELOTECHNIK give a simple answer: just one! Our most compact addition to the Gekko model family can also grow. Thanks to the *Triple-Vario* design, the trike can be adapted for riders between 1,15 m to 1,80 m (3'09" to 5'11") with just a few simple adjustments.

The Gekko fxs stands solidly on three wheels. The crossbar of the reinforced frame connects the two front wheels elegantly while sweeping significantly further rearwards to the seat than on other trikes, enabling an easy access to the vehicle. The rider benefits from the vehicle's safe road handling, allowing anyone who feels uncertain about riding or people with balance issues to confidently ride and exercise outside.

As well as the frame being extendible at two different places, the comfortable *OrthoFlex* mesh seat has been given a dose of growth hormone by our passionate designers. Special care has been given to make this trike ultimately easy to use, have a compact folding size, and to be a perfect match for our comprehensive range of adaptive cycling equipment.

The versatility of this vehicle is not only that it is an ideal cycle that can grow with a rider as they progress from child to adult. It is HP VELOTECHNIK's first ever tadpole trike to be aimed at a part of the population that the industry often neglects: very short riders. Previous series models in the special bike segment were commonly designed for rider heights starting around 1,60 m (5'3"). This meant that the non-tipping, ergonomically-optimised vehicles were unsuitable for a significant part especially of the female population – the average height of women in Germany is just under 1,65 m (5'5")! The Gekko fxs is furthermore a highly adjustable vehicle for use in the therapeutic segment thanks to an extensive set of speciality accessories.



The Gekko fxs is based on the company's tried-and-tested design with its two characteristic front wheels. This design technique, referred to as *tadpole-design* by trike experts, is famed for its riding stability especially when a rider brakes during hard cornering. HP VELOTECHNIK design at its best: The frame is based on a main tube that holds the bottom bracket boom and it ends under the

seat, where the folding hinge is located: On the Gekko fxs, both parts can now be extended while keeping the rider's center of gravity at the ideal spot; previously it was only possible to extend the front boom. This leads to the extraordinary adaptability of this impressively stable vehicle.



Keep smiling: As she grows, so does her Gekko fxs! At the same time, with a total length of 137 – 175 cm (54 – 69"), this trike remains remarkably more compact than many other recumbent trikes. The Gekko fxs comes standard with a easy-to-operate SHIMANO Nexus Premium internal gear hub, powerful disc brakes, pedals with foot clamps and heel straps, retention belt, battery LED-lights, HP VELOTECHNIK's Trikefenders and a stable rear carrier. You can customize the trike according to your needs with HP VELOTECHNIK's components options such as hand rests, long handlebars, one-hand-operation for brakes and shifters or a strong electric drive with electric reverse gear. You'll find all options and prices on the last pages of this brochure.





The OrthoFlex seat is equipped with eight adjustable padding cushions.



The pockets for the padding are closed with hook-and-loop straps.

Finally a trike, that fully adapts to your needs: The Gekko fxs with infinitely adjustable OrthoFlex-seat

For the HP VELOTECHNIK's expert engineers, the topic of perfect ergonomic fit in no way ends with the frame. The highly versatile OrthoFlex base length can be infinitely adjusted together with the rear frame within a range of 7 cm (2.7"). The seat angle can also be adjusted to between 48 and 64 degrees. This is noticeably more upright than on the Gekko fxs's more sporty cousins.

A unique feature of the OrthoFlex seat: With eight individually adjustable padding sections, almost anybody's back and almost any spine size can be precisely supported! Providing ergonomic back and lateral support has never been easier than this: The sides of the seat are equipped with special pockets – their openings are clearly marked by blue ribbons. You can arrange the eight individually adjustable padding elements in the pockets according to the rider's needs. Width adjustments are therefore possible, as are adjustments in the lordotic area (lower lumbar spine). And as your child grows, you can simply rearrange the padding. The OrthoFlex-seat is also a practical base platform for therapeutic changes by an orthopaedic technician who can install custom seat support pads in the pockets with ease.

For riders under 1,40 m (4'7"), padding elements can be added in the upper seat back area as a head rest or on the side of the head as an orientation support. Larger riders can install an optional head rest, adjustable in both height and angle. A retention belt is standard.

The OrthoFlex seat is equipped with a washable mesh seat and reflex strips for improved visibility at night. You will find a practical pouch in the top of the seat where you can put small items like keys, wallet as well as an optional rain protection cover for the seat.

The vario-elements are extremely easy to use and their function on the magma-red trike is highlighted through the use of colour. Simply open the blue quick release lever and the components can instantly be extended or contracted.

Our dedicated engineers regard flexibility as particularly important especially at 'contact points': if riders are uncomfortable, as upright cyclists often experience with saddles, sore wrists or a stiff neck, they won't use the cycle. With the Gekko fxs the ride offers full comfort.

The positive health benefits of recumbent cycling for the heart, nervous system, joints and muscles will only be achieved if the rider uses their exercise trike with continuous passion. With the Gekko fxs, people can now exercise outside with joy and ease.

If the rider needs extra guidance, HP VELOTECHNIK can install its unique companion bar. It allows an escort to actively control the trike's steering and brakes as well as to give the rider a little extra push. As the escort walks on the left side next to the rider, communication between the two is always possible.

Shorter people in particular, often had to settle for solutions that were far from ergonomically beneficial for their anatomy – now the Gekko fxs comfortably adapts to their needs!

Technical Data

Gekko fxs

Seat height	36 cm (14.2")
BB height	37 – 44 cm (14.6 – 17.3")
Seat angle	48 – 64° adjustable
Wheel size	20" (ISO 406)
Max. tire width	5 cm (2")
Width	83 cm (32.7")
Length	137 – 175 cm (54 – 69")
Height	87 cm (34") (upright seat)
Folding system	HP Dual Flat Fold D.F.F.
Folded dim.	from 92 x 57 x 86 cm (36.2 x 22.4 x 33.8")
Wheelbase	91.5 – 99 cm (36 – 39")
Track width	78 cm (30.7")
Turning circle	4.55 m (15') outside
Ground clearance	9 cm (3.5")
Handlebar width	57 – 63 cm (22.4 – 25")
Weight	from 19.5 kg (43 lbs)
Payload max.	100 kg (220 lbs)
Frame material	aluminum 7005 T4/T6
Powder coating	Magma red or custom color

Rider size 1,15–1,80 m (3'09"–5'11")

Warranty on frame 10 years



Extra

Gekko E-Trike

Energy

The Gekko E-Trike with a powerful electric motor

No other type of bicycle fits electric motors as perfectly as recumbent trikes. Why, is obvious: The ease of pedalling and the ergonomic sitting position make the ride even more pleasant. The built-in aerodynamic advantage of your recumbent trike can also be exploited electrically: less drag means more range.

With our electric drives you pedal, and a powerful motor supports you up to three times your pedaling power, depending on the system. With a smile on your face you can climb the local mountain with a trailer or drive to work quickly and yet deeply relaxed. Unique safety advantage: Our E-Trikes can be equipped with a turn signal!

Especially remarkable: The use of a motor does not affect the perfect cycling experience with the Gekko. Thanks to HP VELOTECHNIK programming, there is no stuttering, no noise, and no delicate throttle. The e-drive is very safe: the support only starts when you want it to. The quiet support starts as soon as you pedal and ends subtly and electronically when the trike reaches 25 km/h (16 mph) resp. the trikes with 26 inch rear wheel for USA 32 km/h (20 mph). Higher supported speeds can be reached with the system we use for our *Scorpion fs 26 S-Pedelec* (see *Scorpion* brochure).

This pre-programmed top speed allows your E-Gekko to legally be a *Pedelec (Pedal Electric Cycle)* in Europe. It can be ridden in most EU countries without registration, helmet, or license plate. Once over 25 km/h (16 mph), the trike basically rides like a normal Gekko. The light weight of the trike allows a normal riding feeling, even when the battery is empty. The trike has the advantage that it keeps its track even at slower speeds. If you stop at a traffic light, you don't need to set foot!

You have the choice, because three different drive systems provide extra power on your Gekko: either the extremely quiet NEODRIVES hub motor in the rear wheel or one of the two bottom bracket motors from SHIMANO's STEPS series, which are moved from mid-ship upfront to pole position in your HP VELOTECHNIK recumbent trike.

Each of these three powerhouses has its own character – just like you. This enables us to offer you a solution that is exactly tailored to your needs. All systems have in common the low centre of gravity of the battery under the seat, if desired also with a second battery. The ergonomically arranged, easy-to-read operating elements facilitate the overview. You reach your destination relaxed, no matter if you want to leave the traffic jam behind or take a big tour with heavy luggage.

NEODRIVES Z20: Innovative power for connoisseurs

The typical features of rear wheel hub motors are that they are incredibly silent, dynamic and versatile. An outstanding choice is the NEODRIVES Z20. Optimized for dynamic riding, a futuristic design, an energy efficiency of 85% coupled with easy-use features such as a touch screen display.

The stats of the NEODRIVES Z20 speak for themselves. The maximum degree of support is 300 percent. When starting up, for example, the motor increases its maximum power output to up to 700 W. With a 612 Wh battery, you can achieve ranges of up to 145 km (91 mi). The whisper-quiet rear-wheel drive is a gearless motor where engine power is not lost to the chain or sprocket. This protects these drive parts, which on average will last up to four times longer than mid-engines.

A particular advantage of a hub motor system in contrast to bottom bracket motors is that they can recover energy when riding downhill. This technology is called recuperation. Just push a button on the control unit and the motor operates as a generator. This charges the battery and can increase your range. The drive also protects the environment and your wallet: with modern green electricity, a full charge of riding pleasure costs you only about 30 cents.



Unique in the recumbent bike sector: the Gekko with hub motor has an electric reverse gear. The vehicle thus plays out a further type-related advantage and rolls backwards out of the parking spot at up to 3 km/h (1.8 mph).

Tailwind with a thumb: The remote control of the innovative system is mounted directly on the handlebar grip. The most important settings can be controlled by using your thumb. The developers have arranged the five buttons ergonomically in such a way that their size and positioning in such a way that control is intuitive right from the start – in other words, the large plus and minus buttons for switching through the support cannot be missed.

The NEODRIVES Z20 also makes it easy to take a closer look at data such as remaining range, battery charge level, current power consumption, daily distance travelled or average speed: thanks to the touchscreen, the menus on the 2-inch colour display can be scrolled quickly and easily. This even works in the rain and with most gloves.

HP VELOTECHNIK trikes give you the choice of positioning the display either next to the handlebars (picture on the left) or the "Top View" above the handlebar end for best readability.

To match the high-quality electrical engineering, we offer you two gearing choices as an option: The SRAM 30 derailleur system with 3x10 very finely tuned gears or the robust C1.12 bottom bracket gearbox from PINION with an enormous gear ratio range of 600 percent.

Which E-Drive fits best?

Three motors, each with two drivetrain options, optimally cover your demand for additional electrical energy:

Smooth and comfortable: The STEPS E5000 has a very harmonious feel with a torque of 40 Nm. In combination with the 8-speed SRAM X4 derailleur, you have a good companion for relaxed tours in moderately demanding terrain. If you are often in town and start and stop frequently, the SHIMANO Nexus Di2 automatic transmission is the perfect choice. The rear hub shifts fully automatically and thus offers maximum comfort and safety: You can fully concentrate on the road without having to think about shifting gears.

If you want endless power on the mountain or want to turn your trike into a packhorse, you will quickly become a fan of the E8000 system with 70 Nm. Regardless of the torque specifications, which can only be compared to a limited extent, the most important factor for many people is how much thrust the engine develops at low speeds. This is where the NEODRIVES comes in front, because the hub motor design delivers maximum power to the road right from the start, especially in combination with a small 20 inch rear wheel. The hub motor also scores with a very sensitively tuned driving behaviour and less chain wear. Nature lovers will appreciate the practically inaudible motor in the rear wheel.

In contrast to hub motors, bottom bracket motors are much less prone to overheating when driving slowly on a very steep mountain. On such terrain you are always well advised with SHIMANO STEPS. By the way: comfortable uphill riding is a real domain of the stable trikes from HP VELOTECHNIK.

SHIMANO STEPS: Versatility is the key

Maximum bandwidth: With the *E5000* and *E8000* systems, HP VELOTECHNIK offers the entry-level and top model from SHIMANO's *STEPS* engine range. Each system has its specific advantages. The remarkably small *E5000* motor integrated nicely in the front boom is ideal for the price-conscious. Equipped with enormous power, SHIMANO has originally created the *E8000* for mountain bikers; as it turns out it is a great system for the demanding trike rider, too.

The position of the motor is unconventional for a trike. The bottom bracket is in front, which is standard by all HP VELOTECHNIK trikes. Up until recently, there was no practical method to incorporate a heavy motor in the boom. Other e-drives systems with small chainrings would have put too much stress on the frame when in high torque mode.

This is different with the *STEPS* series: They can be equipped with large chainrings (38, 44 or 50 teeth). This makes them absolutely trike-compatible and their slim silhouette blends discreetly into the design of the Gekko. The large chainrings provide lower chain forces at high torque, which has a positive effect on the lifespan of the chain and sprocket compared to many other bottom bracket motors. The rider's power goes directly to the chainring, even at speeds above the pedelec support limit of 25 km/h (16 mph). Your power arrives at the rear wheel without noticeable power loss.

With a range of up to 145 km (91 miles), the *STEPS* System presents a powerful result of the efficient energy management of the standard 418 Wh Li-Ion battery. The range increases by a fifth if you alternatively choose the optional battery with 504 Wh capacity, which we supply with a quick charger of a 4 A charging current. The externally identical batteries can be easily removed by unhinging them and taking them off from the side. They snap back into place just as quickly and easily and have contact – without any plugs or separate cables. If you have a wall outlet available once you have reached your parking spot, you can even recharge the battery without removing it from the trike.

The clearly arranged black and white display is easy to read in many lighting conditions due to the high contrast. A light switch is ergonomically integrated into the display: If you decide for our battery lighting system, simply press a button to turn the front and rear lights on.

A real display of options await the trike fans with the drivetrains that HP VELOTECHNIK provides for its SHIMANO drives. This ranges from a SRAM derailleur to an electrically operated SHIMANO XT Di2 and a fully automatic SHIMANO Nexus Di2 electric hub gear.

SHIMANO STEPS E5000

By far the most favorable electric motor in our modular system, the *E5000* will quickly win many friends: SHIMANO once again knows how to convince and even surprise in the technical regard. As quiet as the *E5000* provides its support, this is absolutely fantastic for a bottom bracket motor! And all this in a particularly small housing that elegantly fits into the front boom of your Gekko, which has been specially forged for the *STEPS* motors.

With its harmonious characteristics and a well-proportioned torque of 40 Newton meters, the *E5000* in combination with the drivetrain options selected by us is the ideal companion for riders seeking comfort. In the basic version, with the 8-speed SRAM X4 derailleur you are ideally equipped for the little ups and downs in a cyclist's life.

If you want to enjoy the maximum lightness of triker life, choose SHIMANO's Nexus Di2 8-speed hub with fully automatic transmission. This highly integrated combination is all about simplicity. You no longer have to worry about changing gear, as the Nexus shifts fully automatically. Depending on your pedaling, the system selects the most efficient gear.

Comfortable: When the traffic lights stop force you to stop, this all-round carefree package automatically shifts into a small gear. To ensure smooth and jolt-free shifting,

the support provided by the engine is reduced for a short moment during gear changes.



SHIMANO STEPS E8000

The flagship of the STEPS engine range is a real powerhouse. The machine produces up to 70 Newton meters at the front of your Gekko. Designed by SHIMANO for the MTB sector, the *E8000* fits just as well into the requirement profile of a travel or trekking trike. The heart of the system is the very variable system control with the support levels "Eco", "Trail" and "Boost". By the way, these can also be individually adapted via smartphone.

Remarkable: The power engine also shows its advantages in terms of range on mountain slopes. From the standard 418 Wh battery in "Eco" mode it draws juice for around 80 kilometers and about 800 altitude meters. Packed in a beautifully shaped boom with elegant branding, specially forged for HP VELOTECHNIK to house the *STEPS* system, it remains pleasantly quiet.

Top engine, top gears: With the XT Di2 electric derailleur system, the 11 gears are changed with the utmost precision at the push of a button. Fans of derailleur shifting will be particularly pleased to notice that this shifting does away with the regular maintenance of the derailleur inner and outer cables! Many adventure cyclists with a lot of luggage, on the other hand, want a combination of a powerful engine and nearly indestructible internal gear hub. This makes the ROHLOFF 14-speed rear hub, the classic among premium hub gears, a faithful companion on the Gekko.



Technical Data: all E-drives in comparison

System	SHIMANO STEPS E5000	SHIMANO STEPS E8000	NEODRIVES Z20
Support	up to 25 km/h (16 mph)	up to 25 km/h (16 mph)	up to 25 km/h (16 mph) only USA 26" rear wheel: up to 32 km/h (20 mph) up to 4 km/h (2.5 mph) up to 3 km/h (1.8 mph) up to 145 km (91 mi)
Start assist	up to 6 km/h (4 mph)	up to 6 km/h (4 mph)	up to 6 km/h (4 mph)
Reverse gear*	-	-	-
Range**	up to 145 km (91 mi)	up to 80 km (50 mi)	up to 145 km (91 mi)
Force amplification	3 levels: Eco / Normal / High	3 levels: Eco / Trail / Boost	5 levels (individually adjustable)
Noise level	very silent bottom bracket motor	silent bottom bracket motor	extremely silent hub motor
Max. torque	40 Nm (at the front motor)	70 Nm (at the front motor)	40 Nm (at the rear wheel)
Rated power	250 W	250 W	250 W
Rechargeable battery	SHIMANO 36 V Li-Ion removable, with lock	SHIMANO 36 V Li-Ion removable, with lock	BMZ 36 V Li-Ion removable, with lock
Capacity	14 Ah	14 Ah	17 Ah
Energy content	418 Wh	418 Wh	612 Wh
Battery weight	2,7 kg	2,7 kg	3,5 kg (7.7 lbs)
Battery life	800 – 1000 charging cycles	800 – 1000 charging cycles	800 – 1000 charging cycles
Charger	SHIMANO ECE-60021 (2 A)	SHIMANO ECE-60021 (2 A)	BMZ fast charger 4 A
Charging time	6,5 hours (3,5 hours 80%) without memory effect	6,5 hours (3,5 hours 80%) without memory effect	4,5 hours without memory effect
Charger weight	1 kg (2.2 lbs)	1 kg (2.2 lbs)	0,85 kg (1.9 lbs)
Additional weight	ca. 8,3 kg (18.3 lbs)	ca. 8,5 kg (18.7 lbs)	ca. 8,7 kg (19.2 lbs)
Display	black/white display above handlebar (Top View)	black/white display above handlebar (Top View)	Colour display above handlebar (Top View) or side of handlebars
Drivetrain	SHIMANO XT 8 speed derailleur gearing twist shifter 20": 44 / 11 – 34 teeth 26": 38 / 11 – 34 teeth	SHIMANO XT Di2 11 speed derailleur gearing with button (electric) 20": 50 / 11 – 46 teeth 26": 44 / 11 – 46 teeth	SHIMANO 30 speed derailleur gearing bar end shifters 20": 60-52-40 / 11–36 teeth 26": 52-42-30 / 11–36 teeth
Drivetrain (alternatively)	SHIMANO Nexus Di2 8 speed rear wheel internal gear hub	ROHLF 14 speed rear wheel internal gear hub	PINION C1.12 12 speed internal gear transmission
Extras	optionally with big battery pack (504 Wh) and fast charger (4 A) KEC-E6000 (2,5 hours: 80%) Bluetooth interface	optionally with big battery pack (504 Wh) and fast charger (4 A) KEC-E6000 (2,5 hours: 80%) Bluetooth interface	Touchscreen USB interface

* Reverse gear for NEODRIVES Z20 available from Spring 2020, can be retrofitted via software update.

** Range as stated by manufacturer: NEODRIVES: 100 W rider input, support level 1, flat terrain, smooth roads, 70 kg (154 lbs) payload incl. rider; SHIMANO STEPS 5000: under SHIMANO test conditions; SHIMANO STEPS 8000: Support level Eco, Total weight bike, rider 100 kg, measured on ascent with 800 height meters.





Lean back and browse: the Gekko press reviews portfolio

„No holding back in driving pleasure: lively and with a strong step-off the Gekko zooms over the road, its turning circle being satisfyingly small at only 4,25 m. (...) The new HP VELOTECHNIK vehicle lives up to its name when it sticks like the proverbial glue to the road in fast corners. Pedal furiously, zip through corners, slow down controllably with disc brakes – a driving machine almost like a go-cart.“ RADMARKT

„The Gekko is loads of fun to ride, with a very tight turning radius, responsive steering, and good behavior on descents. It wants to stay on the ground in fast curves, but it is not hard to ride on two wheels if you like that sort of thing. (...) It is also a handsome trike, with attention to details that give me little bursts of pleasure. (...)

What caught my eye about the German-made Gekko was that it folds so simply, with just two quick-release levers, and, more importantly, that you do not have to remove the seat. (...) But it is truly quick and easy, and without compromising the solidity of the frame. And it folds up neatly even without removing the fenders (mudguards), rack, and neckrest. It doesn't get more convenient than that. (...)

As a commuter, a grocery-getter, a load hauler, a travel trike, and a head-turning recreational vehicle, the Gekko represents good value for the money. Try one out and see what you think.“

MARGRET LOOSE, BENTRIDERONLINE

„Due to the maximum torque of 40 Nm the driver reaches 15,5 mph in just second. When the electric assist function then cuts off at the legal limit, the driver feels as if a small brake chute has popped open behind. (...) But even at moderate speeds, between 12.5 – 15.5 mph the bike is an awful lot of fun. At the latest from assist level 2 on the motor enables effortless movement – on inclines too. Downhill the disc brakes do an excellent job of slowing down.

Conclusion: This trike has highly addictive potential.“ ELEKTORAD

We fell in love with the „Dual Flat Fold“ System: With a little practice, you can fold the trike in less than ten seconds to a pack size of 83 x 52 x 82 cm. (...) Conclusion: The „Gekko fx“ is suitable for everyday use, impresses with unique, detailed solutions and offers even without suspension racy and safe riding qualities. The model is (...) definitely a real winner.

VELOTOTAL

„This thing just offers a full lot of driving pleasure - while being foldable and therefore finally transportable!“

Nils Holger Moormann, in the explanations of the jury for the design award "Eurobike Gold Award" 2011



The Gekko touring trike won the prestigious Eurobike Award in Gold for its particularly innovative design and above-average product quality. The judging panel of specialist journalists, design experts and bicycle technicians at the IF – INTERNATIONAL DESIGN FORUM based their decision on criteria such as efficiency, ergonomics, utility, weight, safety, environmental friendliness, and workmanship.

„The Gekko fx is a non-suspended trike (a first for HP VELOTECHNIK) that can fold up in an amazingly fast 7 – 8 seconds. The seat stays mounted to the frame and the entire thing locks together into a very easy to handle package. (...) The Gekko's 13" seat height and swept cruciform make it very easy to get in and out of. The seat angle is adjustable from 34 – 42 degrees which should satisfy all but the sportiest of riders. The bottom bracket isn't particularly high and the handlebars are very adjustable. The Gekko's cockpit is definitely a very nice place to be (...)

It also has that same solid and quiet personality that all HP VELOTECHNIKS have. The Gekko just feels like a trike that will last many, many years (...)

Of course, what really puts this trike on the map is its fold (...)

Lifting and maneuvering the folded trike is very easy since it all clicks together and stays folded (...) I'm very impressed indeed.“

BRYAN J. BALL, MANAGING EDITOR, BENTRIDERONLINE

„The electric bike trend shows it's best side in this type of bike: the aerodynamical seating position saves energy, so that the battery capacity can be used to the full extent. (...) The easily removable battery is placed behind the driver for a balanced weight distribution. (...) Because an electric bike has to handle higher strains than a conventional bike, the engineers have provided the Gekko fx with a solid frame made from high tensile strength, voluminous aluminium tubing. The ergonomic, well ventilated mesh seat with incorporated bag is an integrated part of the frame construction and provides additional torsion resistance“ RADMARKT

„The motor option on the Gekko is quite obvious, but even as the big hub motor and the battery are difficult to ignore optically, both still fit harmonically into the overall picture of the trike. This is one of the advantages (...): the lines of the design do not change as much as they would with most conventional bicycles when motor option are added.“

FRANKFURTER ALLGEMEINE ZEITUNG

„The marketing line: the Gekko can be folded in 10 seconds without removing any parts, to stowing dimensions of 82 x 52 x 83 cm and be placed on its polymer buffers, could be replicated at the trade fair even by non trained passers-by“

HANS-HEINRICH PARDEY,

FRANKFURTER ALLGEMEINE ZEITUNG

Behind the scenes



Recline in style



Their shared passion for innovative bike technology brought founders of HP VELOTECHNIK, Paul Hollants and Daniel Pulvermüller, together early on. Already as students they became the winner of a national engineering competition with their fully suspended tricycle velomobile, which was the foundation stone for an impressive development from a garage lab to one of the most advanced bike and trike manufacturers in Germany. While still studying industrial engineering and mechanical engineering at the Technical University of Darmstadt, Hollants and Pulvermüller started their own business in 1993. The company name HP VELOTECHNIK is composed of the surnames of the founders and also alludes to the English name of the still exotic vehicles of that time: *Human Powered Vehicles*.



"HP VELOTECHNIK stands for innovative, reliable recumbent technology on two or three wheels: fast bikes and trikes on which one can enjoy the panoramic views with laid-back comfort and style. Ergonomics and refined design act at the forefront. Forget about pressure points in the nether regions, sore wrists or a stiff neck. No matter whether you are commuting or are on a grand cycle journey – on our bikes and trikes you feel good, look good and make good progress."



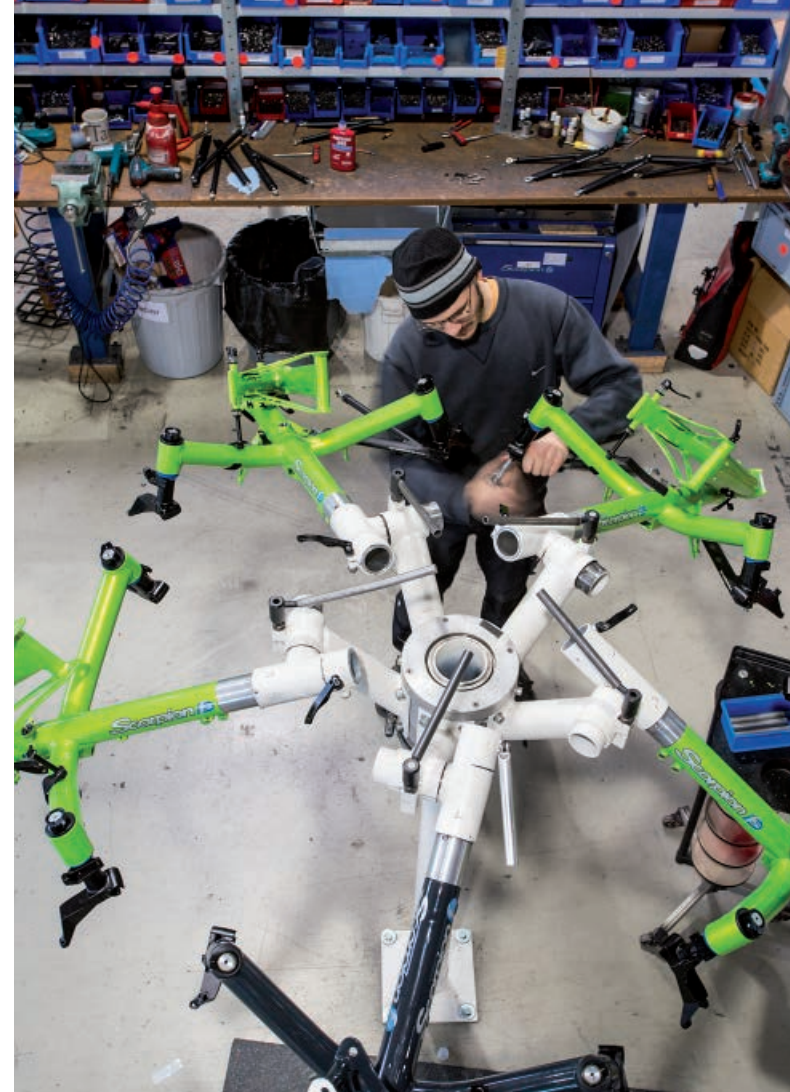
Paul Hollants, one of the two founders of HP VELOTECHNIK, public relations and business management director



Outstanding design. Hollants and Pulvermüller are convinced: great technology has to look great – sleek, lean, structured and functional. That is why HP VELOTECHNIK's products have been distinguished with multiple renowned design awards.



A front wheel finds its place on the forged high tensile strength wheel carrier of the Scorpion fs Enduro chassis. For this model blue bellows protect the strut.



During pre-assembly the freshly powder coated enduro frames take a round trip on the carousel. Here the folding hinges and the suspension are assembled.

Today, the engineers at HP VELOTECHNIK have more than two decades of experience on the design and optimization of bikes, trikes and accessories for active people. With over 35 expert engineers, skilled mechanics and dedicated customer service specialists, HP VELOTECHNIK manufactures around 2000 bikes and trikes per year and is one of the leading manufacturers delivering premium recumbents to Europe and the USA. All signs point to future growth: An increasing proportion is exported to more distant regions such as Australia, Japan or South Africa.

In the spacious recumbent factory in Kriftel close to Frankfurt, Germany, each trike is built to order by hand by specialised technicians. A welding shop enables own prototyping. Computer-controlled test stands assist in the quality assurance of the bikes and trikes. The focus is on the design of innovative cycles and matching accessories and the assembly according to customer requirements using the comprehensive modular system. The basis of success of the developments are thereby the extensive riding experiences of thousands of customers all over the world.

Before an idea becomes part of reality HP VELOTECHNIK's skilled engineers perform accurate research and tests. They team up with cooperating universities to ensure the latest technical approach. They strictly believe in well engineered, long lasting, high quality products instead of fast product cycles. Based on the same principles, HP VELOTECHNIK exclusively distributes their premium products through a well-trained network of specialised cycling stores. These retailers ensure an excellent advice, extended test rides and a premium after-sales service.



CEO Daniel Pulvermüller gets his hands dirty during prototype production. The series frames made of high-strength aluminum alloy are welded and heat treated by dedicated frame builders in partner factories.



About 1500 different components are awaiting their assembly in an individually configured bike in the recumbent maker's stores.

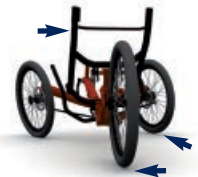
HP VELOTECHNIK: Pure recumbent passion to enjoy!



The experience of many years of precise craftsmanship confirm: attention to detail is the base for perfection.

The centerpiece: The lightweight, rigid frame is made from high-strength, large diameter tubes of 7005 T6 aluminum alloy. The CNC-machined tubes, custom press forged folding hinges and laser-cut plates are linked through precise craftsmanship with impressive finely scaled, heavy-duty welding seams in the TIG process.

Tricycles are exposed to high torsional forces when cornering, accelerating and braking, particularly with a heavy luggage load. In order to efficiently bring your pedaling force on the road any time and to optimize driving safety in extreme conditions, the engineers at HP VELOTECHNIK minimize flexing of the frame. An example: HP VELOTECHNIK's high-strength aluminum main frame tube with a solid 2 mm wall thickness provides a 34 % increase in torsional stiffness compared to a steel tube of similar weight and a wall thickness of 1 mm. You will feel it at once: the precision of the steering, the sporty handling and safe braking.



Each frame undergoes a heat treatment process to remove stresses from bending and welding and to achieve its maximum strength. The frame is perfectly smoothened before receiving an inside and outside anti-corrosion coating. For a uniquely brilliant finish, the frames then are painted by hand with a tough powder coating. Depending on your chosen color, it will be either a deep rich multilayer color or a combination of base color and clear coating. Besides the offered standard colors, all Gekko fx custom trike models can be painted in your preferred custom color!

Measuring realtime material stresses for FEM analysis in the 3D CAD model.

Inhouse testing banks for rigorous functional and fatigue strength tests of components.

Overload testing during prototype test rides on the road and in more extreme situations

Computerized pressure distribution analysed on a BodyLink seat for the ideal shape.



Trike development at HP VELOTECHNIK

The focus is on people. At HP VELOTECHNIK trikes are designed on the basis of your needs, modern construction methods and ergonomic sense, down to the smallest detail. Modular, orthopaedically designed seating systems help creating a perfect link between you and the bike. Plenty of riding pleasure is always included!



"A driving sensation like in formula 1, enormous stability on snow or gravel or with luggage facing a hill climb – who ever has tested our touring trikes has quickly been fascinated by the driving pleasure. And you don't even have to take your feet off the pedals for your snack break!"

CEO Daniel Pulvermüller, engineering and production director

An individually configured Scorpion fs 26 Enduro trike is assembled in the workshop.



Top: Well greased? The folding joints of a Scorpion fs are thoroughly inspected by trained Mechanics. More than 25 apprentices have learned their trade at HP VELOTECHNIK. The scope of apprenticeships covers bicycle mechatronics as well as wholesale and export merchants.

Left: Tuesday is barbecue day. Now things are inspected on the Grill which has been welded to a double-seater-sofa-tandem by the apprentices during one of their projects.

Right: Once a year it is open day at the factory. Paul Hollants explains to the public how the wheels get to roll.

HP VELOTECHNIK is committed to the advancement of cycling in the following associations:



Equipment options and accessories from HP Velotechnik: Your Gekko custom trike conforms entirely to your requirements

Component options for individualists: Do you have your own idea of the ideal cycle technology? With our modular system you can configure your trike to fit you perfectly. For your Gekko fx custom trike you can obtain a system of reliable equipment parts that we have developed specifically for tough every day use. The *Streamer* front fairing for example extends the cycling season to the whole year. In the development of our *Trikefender* mudguards we have devoted particular attention to the side splash guard for the trike application.

For the gear and brake systems we mount reliable, easy to use components from reputable manufacturers. We also combine this with unconventional solutions, such as the one-hand operation for brake and gear. Would you like to have your Gekko fx built according to your own ideas with equipment options other than those listed on the back of this catalog? Then we will provide the complete trike technology to your dealer with our frame kit.

In any case you can ask your dealer for detailed advice. Disc brakes and hub gears can make noise; tire and chain drive wear out. Your dealer knows the advantages and disadvantages of the different components, provides you with the correct service intervals and would be glad to customize your Gekko fx for your purpose, individual riding style and needs. With the extensive HP VELOTECHNIK worldwide dealer network, you can rely on perfect service in your vicinity. Check our dealer database at www.hpvelotechnik.com for details.

You can look forward to many years of fascinating riding pleasure!



Highlight: The SON hub dynamo lighting system for your Gekko fx. Unmatched efficiency and extremely light. Always ready, even in rain and snow, when tire-driven dynamos slip. Ultra bright 100 lux LED headlamp B&M IQ-X brings extra safety with daytime running lights (Licht 24). B&M Linetec LED rear light with brake light. Parking light front & rear. Twin-wire cable in the frame.



Send a sign! With our turn indicator WingBling cyclists now easily can set their marks in traffic. Your advantage: It is not only signalling an intended turn to other road users that makes the WingBling a unique accessory to your trike. It makes your ride more safe: When you corner sharply you can leave your hands at the handlebars.



HP VELOTECHNIK's *Trikefender* offers an excellent splash protection, especially on the side of the rider. Elegant, internal mounting with height adjustment for tires up to 50 mm (2") width.



Fitting perfectly in the hand, the barend shifters enable fast and precise gear change. We offer the Gekkos with GO SWISSDRIVE motor combined with SRAM GX rear derailleur and SRAM barend shifters. But you can also choose the ratio easily from the wrist for other shift options such as the Tripleshift 27 from STURMEY ARCHER.



ROHLOFF Speedhub gear system: 14 evenly graded gears in a hub. Easy to use with our extra-long twist grip. Low-maintenance, enclosed gear unit in oil bath. Chain tensioner and external gear cable box for easy rear wheel removal. Development 1.45 to 7.63 m* (57–300"). The hub is anodized in elegant black matching our front wheel hubs.



SRAM GX 30 gear system: 30-speed with reliable SRAM 10 derailleur, SRAM cassette with 11–36 teeth, HP chainring set 60–52–40 teeth (20 inch rear wheel) with integrated chain guard ring, 50–42–30 teeth (26 inch), easy to use SRAM 500 SL bar-end shifters. Development 1.67–8.18 m* (71–322").

*all gear ratios refer to 20 inch rear wheels



Tire change: The standard 20" SCHWALBE Tryker (40 mm) trike tires provide excellent grip, precise steering and good wear resistance. (left in pic.) You may select the heavier SCHWALBE Marathon Plus tires (47 mm) for outstanding protection from punctures (middle). For race trikers, the SCHWALBE Kojak (35 mm) is a fast option (right).



Hand rest: a real increase in comfort for all trike drivers. The hands steer lightly without having to support the weights of the lower arm. The comfortably padded hand rests can be individually adjusted to all angles and inclinations. Also available with a possibility to fixate the lower arm – an ideal add-on for the one-hand operation of brakes and drivetrain.

Protection against wind and weather: The *Streamer* front fairing from HP VELOTECHNIK keeps your feet warm and legs dry. It can be easily removed via quick release lever and can be rolled up for transport. Drop shape for low wind resistance. Weight approx 2.2 kg (4.85 lbs). Transparent, unbreakable plastic.



The universal *Side Bag Mount* fits small accessoires as well as a variety of different attachments with a payload of up to 5 kg (11 lbs). This ranges from waterproof handlebar bags to cup holders for drinks. The black anodized aluminum tube with 22 mm (0.87") diameter is variable in positioning.



Take a seat and feel good: The *Cloud Nine* seat pad makes your Gekko really cuddly. This is particularly appreciated by drivers with a slightly wider stature and those who are more likely to travel on very rough surfaces, such as cobblestone pavements. The *Cloud Nine* seat pad is mounted on top of the regular Gekko seat.



With the *Seat Angle Adapter* you can make the seat 9° steeper, but you can still vary the inclination (48° - 56°). Suitable for models Gekko fx 20, Gekko fx 26 and Gekko 26.



The standing-up aid provides two grips, one positioned at each side above the left and right front wheel. They provide a firm grip and come handy to lift yourself up from the seat or to support when getting into your trike. The standing-up aid can be easily removed with a quick release for folding.



Pedal with heel strap: The alternative for those who do not want or may not be able to use SPD® system pedals. Easy entry with any kind of shoe through the automatically self-righting positioning. One hand tightening allows for safe and efficient pedalling. One grasp is enough to release the shoe when needed.



Driving forward

Even with electric assist on the rise, a bicycle is defined as an apparatus which is mainly driven by human power. No other invention is able to do this as efficiently. The symbiotic combination of man and machine has inspired bicycle designers for the last 200 years. The history of the bicycle began with German engineer Drais' *Dandy Horse* and now extends to high end derailleurs with automatic shifting.

HP VELOTECHNIK's engineers have narrowed down the giant selection available today to find a selection of outstanding drive train systems, integrating them into our recumbents to perfectly satisfy your needs. This means that you always have the right option for your dream bike once we custom build your trike to your specifications.

Derailleurs or internal gears: Not only is there modern technology at work, but also two different philosophies which go beyond the ideas of 8, 14, 24, or 30 gears. Internal gear hubs allow you to shift while standing still. Derailleur shifting has its advantage with small changes between evenly spaced gears. Both internal gears and derailleur shifting can even be combined in our Tripleshift drivetrains. A further advantage for recumbents: You can use all the chain rings with all the cassette cogs since the chain is so long, that it makes every gear combination rideable.

The following pages focus on an overview of the shifting systems you desire. Your HP VELOTECHNIK dealer is ready to help to find the perfect set-up for your needs.



SRAM

X 4 24 speed

Solid entry: The X4 rear derailleur from SRAM combines shifting precision, low weight and elegant design with an outstandingly low price. We offer this 24-speed derailleur with a triple chainring set from SHIMANO for our Gekko 26. Pleasant detail: With SRAM's smooth-running twist shifter handles, you always have the right transmission ratio in your hand.



STURMEY ARCHER + SRAM / SHIMANO

Tripleshift 24 / 27 speed

Reliable Combo: Recumbent enthusiast's first love: The combination of a 3-speed internal gear hub plus derailleur shifting. The reliable internal gear hub from British pioneers STURMEY ARCHER allows not only changing gears when standing still, but it also expands the range of the derailleur shifting. Either 8 or 9 speed cassettes (SRAM X4, SHIMANO XT) provide a precision shifting experience, offering 24 or 27 gears.



SRAM

Sram 30 30 speed

The Elegant Racer: Are you looking for performance? Then the lightweight SRAM 30 with a triple crankset and 10 speed cassette is just right for you. The wide gear range and precision shifting ensure flexibility when you need it. The ergonomic barend shifters are a comfortable fit to your fingers and provide a reassuring „click“ when operated.



Technical data

24 speed derailleur gearing

Gearing	..... 48-38-28 T / 11 – 32 T
Development	..... 1,75 m – 8,73 m (5'9" – 28'7")
Shifter	..... SRAM X4 twist shifter
Cassette	..... SRAM PG-820
Rear Derailleur	..... SRAM X4 8 speed

Combination with motor .. as 8 speed rear derailleur X4 with SHIMANO STEPS E5000

24 or 27 sp. internal plus derailleur gearing

24 speed: gearing	..... 20": 46/11 – 34 / 26": 39/11 – 34
24 speed: development	... 20": 1,49 – 8,53 m / 26": 1,69 – 9,64 m
27 speed: gearing	..... 20": 46/11 – 34 / 26": 39/11 – 34
27 speed: development	... 20": 1,49 – 8,53 m / 26": 1,69 – 9,64 m
Shifter	..... 24 speed: SRAM long twist shifter
	27 speed: STURMEY ARCHER barend shifter
Cassette	..... SHIMANO CS-HG50 (24) / CS-HG400 (27)
Rear Derailleur	..... SRAM X4 (24) / SHIMANO Deore (27)
Combination with motor	.. No

30 speed derailleur gearing

Gearing (20")	..... 60-52-40 T / 11 – 36 T
Gearing (26")	..... 52-42-30 T / 11 – 36 T
Development (20")	.. 1,67 m – 8,2 m (5'8" – 26'10")
Development (26")	.. 1,67 m – 9,5 m (5'8" – 31'2")
Shifter	..... SHIMANO barend shifter
Cassette	..... SRAM PG-1050
Rear Derailleur	..... SRAM GX

Combination with motor .. NEODRIVES Z20 or Go SwissDrive G45p

SHIMANO

XT Di2 11 speed

No more shifting cable: Changing gears at the push of a button and with extreme precision and speed through 11 wide-spread gears, that's what makes the SHIMANO XT Di2 electric derailleur outstanding. We offer this technical delicacy exclusively in combination with the STEPS E8000 e-drive.



11 speed derailleur gearing

Gearing (20") 50 T / 11 – 46 T
 Gearing (26") 44 T / 11 – 36 T
 Development (20") .. 1,63 m – 6,82 m (5'4" – 22'4")
 Development (26") .. 1,91 m – 8,00 m (6'3" – 26'3")
 Shifter SHIMANO Di2 with button
 Cassette SHIMANO XT M8000
 Rear Derailleur SHIMANO XT Di2 (electric)
 Property No shifting cables
 Combination with motor .. SHIMANO STEPS E8000

SHIMANO

Nexus 8 speed

The No-Worries-Package: The offer for all those who prefer not to think too much about technology when cycling. We use the premium version of SHIMANO's low-maintenance 8-speed Nexus internal gear hub either as a mechanical gearbox or in the exclusive combination with the electronic Di2 gearbox, which fully automatically shifts the appropriate gear for the SHIMANO STEPS e-drive motor.



8 speed rear wheel internal gear hub

Gearing (20") 44 T (front) / 16 T (rear)
 Gearing (26") 44 T (front) / 22 T (rear)
 Development (20") .. 2,19 m – 6,64 m (7'3" – 21'9")
 Development (26") .. 2,12 m – 6,44 m (6'12" – 21'1")
 Shifter Di2 with button
 Property When using STEPS e-drive only available with automatic shifter Di2. Manual switching also at the push of a button
 Combination with motor .. SHIMANO STEPS E5000

ROHLOFF

Speedhub 14 speed

The World Tourer: Since 1998, the ROHLOFF Speedhub has become a mechanical legend. Uncountless world tourers have relied on the nearly indestructible internal gear hub with 14 evenly spaced gears. One of the reasons for its reliability is that the gears rest in a sealed oil bath. Your advantage: the extra-long HP VELOTECHNIK twist shifter exclusive to HP VELOTECHNIK recumbents.



14 speed rear wheel internal gear hub

Gearing (20") 52 T / 15 T
 Gearing (26") 46 T / 15 T
 Development (20") .. 1,45 m – 7,63 m (4'9" – 25')
 Development (26") .. 1,71 m – 9,00 m (5'8" – 29'6")
 Shifter long ROHLOFF twist shifter
 by HP VELOTECHNIK
 Combination with motor .. SHIMANO STEPS E8000

PINION

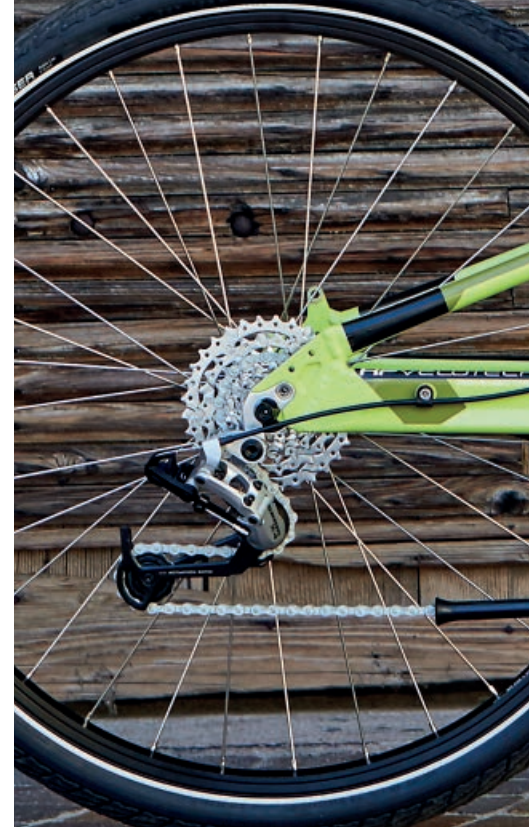
C1.12 12 speed

The Extraordinary: The completely enclosed PINION 12-speed internally geared transmission integrated up front in the bottom bracket reliably propels you forwards with ease. HP VELOTECHNIK's extra-long twist shifter is easy to use. It is the perfect companion to the NEODRIVES hub motor.



12 speed internal gear transmission

Gearing (20") 46 T / 28 T
 Gearing (26") 46 T / 36 T
 Development (20") .. 1,35 m – 8,21 m (4'5" – 26'11")
 Development (26") .. 1,40 m – 8,52 m (4'7" – 27'11")
 Shifter long PINION twist shifter
 by HP VELOTECHNIK
 Chain tensioner by HP VELOTECHNIK with extra large pulleys
 Combination with motor .. NEODRIVES Z20



Open Choice: Twist or bar end shifters? This is not a philosophy decision, but an ergonomic. That is why we offer both for our discerning riders. Twist shifters are solid, reliable, and allow the gear to be read in any position. HP VELOTECHNIK goes once again a step further and has developed an extra long shifter for both PINION and ROHLOFF, tailored for the recumbent riders needs. Barend shifters fit squarely in the palm.



The choice is yours!

Our modular kit for your dream trike:

Basic model

<input type="checkbox"/> Gekko 26 (GEN)	Allround-Trike, non foldable, 26 inch rear wheel, rider size 1,60–2,00 m (5¼–6½'), basic model with SRAM X4 24 speed drivetrain, seat height 38 cm (15")	1.990,00
<input type="checkbox"/> Gekko fx 20 (GEF)	foldable touring trike, 20 inch rear wheel, rider size 1,60–2,00 m (5¼–6½'), basic model with STURMEY ARCHER Tripleshift 24 speed drivetrain, seat height 35 cm (13¾")	2.890,00
<input type="checkbox"/> Gekko fx 26 (GEL)	foldable touring trike, 26 inch rear wheel, rider size 1,60–2,00 m (5¼–6½'), basic model with STURMEY ARCHER Tripleshift 24 speed drivetrain, seat height 35 cm (13¾")	2.990,00
<input type="checkbox"/> Gekko fxs (GES)	foldable trike with individually adjustable OrthoFlex-seat, 20 inch, rear wheel, rider size 1,15–1,80 m (3¾–6'), basic model includes SHIMANO Nexus Premium 8-speed internal gear hub with twist shifter, lights, rear rack, mudguards, pedals with heel straps and foot clamps seat height 36 cm (14¼")	4.390,00

● Basic configuration ○ Option, no upcharge
■ Option with upcharge – Not available

GEN
GEF
GEL
GES

Frame

Colors

<input type="checkbox"/> Lime green	0,00	●	–	–	–
<input type="checkbox"/> Magma red	0,00	–	○	○	●
<input type="checkbox"/> Deep blue	0,00	–	○	○	–
<input type="checkbox"/> Single custom color according to RAL-color chart: _____	179,00	–	■	■	■

Front boom

<input type="checkbox"/> Front boom without derailleur tube (for hub gears only)	0,00	–	●	●	●
<input type="checkbox"/> Front boom with derailleur tube regardless of shifting option, not for STEPS or PINION	0,00	●	○	○	–
<input type="checkbox"/> Front boom carbon saves 170 g of weight, not for STEPS or PINION	199,00	–	■	■	–
<input type="checkbox"/> Front boom quickadjust compensates extra chain length when front boom is adjusted, quick release levers	169,00	■	■	■	■

Seats

Seats

<input type="checkbox"/> Gekko fx standard seat well ventilated mesh seat	0,00	●	●	●	–
<input type="checkbox"/> Gekko fxs OrthoFlex seat adjustable side and lumbar cushions, seat base length adjustable	0,00	–	–	–	●

Accessories

<input type="checkbox"/> Headrest adjustable in height and angle, with quick release lever, recommendable from 1,40 m (4½') body height	139,00	■	■	■	■
<input type="checkbox"/> Seat pad Cloud Nine additional comfortably upholstered seat pad to attach to the normal seat, breathable filling material	129,00	■	■	■	–
<input type="checkbox"/> Seat angle adapter shifts the adjustment range of the backrest by 9° to a more upright position	79,90	■	■	■	–
<input type="checkbox"/> Rain cover for seat, Ripstop nylon fabric, blue	19,90	■	■	■	■
<input type="checkbox"/> Adjustable end stops allow exact positioning of the seat	13,90	■	■	■	■

● Basic configuration ○ Option, no upcharge
■ Option with upcharge – Not available

GEN
GEF
GEL
GES

Steering

Handlebars

<input type="checkbox"/> Long handlebars for 8 cm (3¼") higher grip position	19,90	–	–	–	■
<input type="checkbox"/> Companion bar for active steering and braking, incl. brake for companion, not compatible with standing-up aid left, limited folding functionality, installation on left hand side	319,00	–	–	–	■

Hand rests

<input type="checkbox"/> Handrests left and right comfortable hand support, adjustable in position and angle, mounted on handlebar, washable cushion	129,00	■	■	■	■
<input type="checkbox"/> Handrest one side with retaining strap adjustable in position and angle, hand fixation allows arm movement when mobility is limited, retaining strap with easy entry function, mounted on handlebar	89,90	■	■	■	■
<input type="checkbox"/> Handrests left and right with one retaining strap adjustable in position and angle, hand fixation allows arm movement when mobility is limited, retaining strap with easy entry function on one side	159,00	■	■	■	■

Tires

<input type="checkbox"/> SCHWALBE Road Cruiser 47 mm, well-balanced allround characteristics	0,00	●	–	–	–
<input type="checkbox"/> SCHWALBE Tryker 40 mm, high wear-resistance, low rolling resistance, precise steering	0,00	–	●	●	●
<input type="checkbox"/> SCHWALBE Marathon Plus 47 mm, very good puncture protection, higher weight	29,90	–	■	■	■
<input type="checkbox"/> SCHWALBE Kojak 35 mm, very low rolling resistance, only for drivetrain SRAM 30 speed and PINION	29,90	–	■	■	–

Brakes

Mechanical disc brakes (with HP VELOTECHNIK SnakeSeal at the brake levers)

<input type="checkbox"/> AVID BB7 separate brake per front wheel, no rear wheel brake, Gekko fxs with children levers	0,00	–	●	●	●
<input type="checkbox"/> AVID BB7 coupled front brakes with one-hand operation, rear disc brake, parking brake function, lever reach not adjustable	99,90	–	■	■	■

Hydraulic disc brakes (with HP VELOTECHNIK brake lever roofing)

<input type="checkbox"/> SHIMANO BR-MT200 separate brake per front wheel, no rear wheel brake	0,00	●	–	–	–
<input type="checkbox"/> TEKTRO Auriga separate brake per front wheel, no rear wheel brake lever reach adjustable	129,00	–	■	■	■
<input type="checkbox"/> TEKTRO Auriga Twin coupled front brakes with one-hand operation, rear mechanical AVID BB7 disc brake, parking brake function, lever reach adjustable	319,00	–	■	■	■
<input type="checkbox"/> SHIMANO XT separate brake per front wheel, SHIMANO SM-RT 26 discs, no rear wheel brake, lever reach adjustable	219,00	–	■	■	■

Parking brake

<input type="checkbox"/> Parking brake SHIMANO rear wheel V-Brake with thumbshifter	49,90	■	■	■	■
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Gekko

		● Basic configuration ■ Option with upcharge	○ Option, no upcharge – Not available	GEN	GEF	GEL	GES
Drivetrain							
Gearing							
<input type="checkbox"/> SRAM X4 24 speed SRAM X4 rear derailleur and twist shifters, MICROSHIFT front derailleur	0,00	●	–	–	–	–	–
<input type="checkbox"/> STURMEY ARCHER Tripleshift 24 speed STURMEY ARCHER 3 speed internal gear hub with SRAM X4 8 speed rear derailleur, twist shifters, 46t (GEF) / 39t (GEL) crankset with double sided chainwheel disc	0,00	–	●	●	–	–	–
<input type="checkbox"/> SHIMANO Nexus Premium 8 speed SHIMANO internal gear hub, black, twist shifter	0,00	–	–	–	●	–	–
<input type="checkbox"/> SHIMANO Nexus Premium 8 speed SHIMANO internal gear hub, black, twist shifter	49,90	–	■	■	–	–	–
<input type="checkbox"/> STURMEY ARCHER Tripleshift 27 speed STURMEY ARCHER 3 speed internal gear hub with SHIMANO Deore 9 speed rear derailleur and SHIMANO cassette 11–36 teeth, barend shifters	149,00	–	■	■	–	–	–
<input type="checkbox"/> STURMEY ARCHER Tripleshift 27 speed STURMEY ARCHER 3 speed internal gear hub with SHIMANO Deore 9 speed rear derailleur and SHIMANO cassette 11–36 teeth, barend shifters	89,90	–	–	–	■	–	–
<input type="checkbox"/> SRAM 30 speed SRAM GX rear derailleur, MICROSHIFT front derailleur, SRAM cassette PG 1050 11–36, crankset 52-42-30, SRAM 500 SL barend shifters	369,00	–	■	–	–	–	–
<input type="checkbox"/> SRAM 30 speed SRAM GX rear derailleur, MICROSHIFT front derailleur, SRAM cassette PG 1050 11–36, crankset 60-52-40, SRAM 500 SL barend shifters	299,00	–	–	■	–	–	–
<input type="checkbox"/> ROHLOFF Speedhub 14 speed internal gear hub, black, with ROHLOFF chain tensioner and external mech box, long twist shifter, 52t (GEF) / 46t (GEL) crankset with double sided chainwheel disc	1.490,00	–	■	■	–	–	–
<input type="checkbox"/> ROHLOFF Speedhub 14 speed internal gear hub, black, with ROHLOFF chain tensioner and external mech box, long twist shifter, crankset 135 mm crank length and 32 teeth chainring, double sided chainwheel disc	1.490,00	–	–	–	■	–	–
<input type="checkbox"/> PINION C1.12 12 speed front gear box, black, HP chain tensioner, long twist shifter, 46t crankset with double sided chainwheel disc	1.590,00	–	■	■	–	–	–
Pedelec / E-assist systems							
<input type="checkbox"/> SHIMANO STEPS E5000 and X4 8 speed electric assist up to 25 km/h (16 mph), SRAM X4 derailleur gearing, 36 V Li-Ion battery 418 Wh, throttle up to 6 km/h (4 mph)	1.990,00	–	■	■	–	–	–
<input type="checkbox"/> SHIMANO STEPS E5000 and Nexus Di2 8 speed electric assist up to 25 km/h (16 mph), SHIMANO Nexus 8 speed Di2 automatic gear hub, 36 V Li-Ion battery 418 Wh, throttle up to 6 km/h (4 mph)	2.390,00	–	■	■	■	–	–
<input type="checkbox"/> SHIMANO STEPS E8000 and XT Di2 11 speed electric assist up to 25 km/h (16 mph), SHIMANO XT Di2 derailleur gearing, 36 V Li-Ion battery 418 Wh, throttle up to 6 km/h (4 mph)	3.190,00	–	–	■	–	–	–
<input type="checkbox"/> SHIMANO STEPS E8000 and ROHLOFF 14 speed electric assist up to 25 km/h (16 mph), ROHLOFF internal gear hub, 36 V Li-Ion battery 418 Wh, throttle up to 6 km/h (4 mph)	4.190,00	–	■	■	■	–	–
<input type="checkbox"/> Big battery pack SHIMANO STEPS E5000 / E8000 36 V Li-Ion battery 504 Wh, incl. fast charger with 4 A, upcharge on small battery 418 Wh	229,00	–	■	■	■	–	–

		● Basic configuration ■ Option with upcharge	○ Option, no upcharge – Not available	GEN	GEF	GEL	GES
Drivetrain (continued)							
Pedelec / E-assist systems							
<input type="checkbox"/> NEODRIVES Z20 and SRAM 30 speed electric assist up to 25 km/h (16 mph), SRAM 30 speed derailleur gearing, 36 V Li-Ion battery 612 Wh, throttle up to 4 km/h (2.5 mph), reverse gear (available from Spring 2020, can be retrofitted via software update)	2.990,00	–	■	■	–	–	–
Display position: <input type="checkbox"/> side of handlebar <input type="checkbox"/> above handlebar							
<input type="checkbox"/> NEODRIVES Z20 and SRAM 10 speed e-assist SRAM 10 speed derailleur gearing, 36 V Li-Ion battery 612 Wh, throttle up to 4 km/h (2.5 mph), reverse gear (available from Spring 2020, can be retrofitted via software update)	2.890,00	–	–	–	–	■	–
Display position: <input type="checkbox"/> side of handlebar <input type="checkbox"/> above handlebar							
<input type="checkbox"/> NEODRIVES Z20 and PINION 12 speed electric assist up to 25 km/h (16 mph), PINION C1.12 front gear box, 36 V Li-Ion battery 612 Wh, throttle up to 4 km/h (2.5 mph), reverse gear (available from Spring 2020, can be retrofitted via software update)	4.190,00	–	■	■	–	–	–
Display position: <input type="checkbox"/> side of handlebar <input type="checkbox"/> above handlebar							
Accessories							
<input type="checkbox"/> Profi Dry Lube chain lube based on PTFE, no abrasive effect for your chain, 400 ml (EU orders only)	17,90	■	■	■	■	–	–
<input type="checkbox"/> Chainwheel disc instead of chain guard for triple crankset of drivetrain SRAM GX 30 and NEODRIVES, 150 g weight reduction	19,90	–	–	■	–	–	–
<input type="checkbox"/> Short cranks 155 mm instead of 170 mm, recommended for riders under 175 cm (5'7") body height	24,90	–	■	■	–	–	–
<input type="checkbox"/> Crank length <input type="checkbox"/> 115 mm or <input type="checkbox"/> 155 mm (instead of 135 mm)	24,90	–	–	–	–	■	–

Even more choice for your dream trike:

		● Basic configuration	○ Option, no upcharge	■ Option with upcharge	- Not available	GEN	GEF	GEL	GES
Pedals									
<input type="checkbox"/> City pedals VP 895	0,00	●	-	-	-				
<input type="checkbox"/> Trekking pedals VP 199	0,00	-	●	●	-				
<input type="checkbox"/> Clipless pedals SHIMANO XT PD-T8000 for normal or SPD shoes	0,00	-	-	-	○				
<input type="checkbox"/> Clipless pedals SHIMANO XT PD-T8000 for normal or SPD shoes	89,90	-	■	■	-				
Special pedals (single special pedals come with one standard pedal for other side)									
<input type="checkbox"/> Pedal with heelstrap and foot clamp single sided easy entry and	69,90	■	■	■	-				
positive grip, adjustable length									
<input type="checkbox"/> 22–28 cm <input type="checkbox"/> 27–35 cm <input type="checkbox"/> left <input type="checkbox"/> right									
<input type="checkbox"/> Pedals with heelstrap and foot clamp left and right easy entry and	139,00	■	■	■	●				
positive grip, adjustable length									
<input type="checkbox"/> 22–28 cm <input type="checkbox"/> 27–35 cm <input type="checkbox"/> left <input type="checkbox"/> right									
<input type="checkbox"/> Ergonomic safety pedal single sided incl. one SPD-pedal SHIMANO PD-EH500, ..	179,00	■	■	■	-				
adjustable position and release force, joint-friendly freedom of movement									
+/-3 degrees, easy entry straps,									
shoe size: <input type="checkbox"/> 32–41 (UK 0–7½) <input type="checkbox"/> 37–45 (UK 4–10½) <input type="checkbox"/> left <input type="checkbox"/> right									
<input type="checkbox"/> Ergonomic safety pedal single sided incl. one SPD-pedal SHIMANO PD-EH500, ..	89,90	-	-	-	■				
adjustable position and release force, joint-friendly freedom of movement									
+/-3 degrees, easy entry straps,									
shoe size: <input type="checkbox"/> 32–41 (UK 0–7½) <input type="checkbox"/> 37–45 (UK 4–10½) <input type="checkbox"/> left <input type="checkbox"/> right									
<input type="checkbox"/> Ergonomic safety pedals left and right adjustable position, joint-friendly	359,00	■	■	■	-				
freedom of movement +/-3 degrees, easy entry straps, higher safety due to									
adjustable release force,									
shoe size: <input type="checkbox"/> 32–41 (UK 0–7½) <input type="checkbox"/> 37–45 (UK 4–10½)									
<input type="checkbox"/> Ergonomic safety pedals left and right adjustable position, joint-friendly	199,00	-	-	-	■				
freedom of movement +/-3 degrees, easy entry straps, higher safety due to									
adjustable release force,									
shoe size: <input type="checkbox"/> 32–41 (UK 0–7½) <input type="checkbox"/> 37–45 (UK 4–10½)									
<input type="checkbox"/> Ergonomic pedal with lower leg fixation single sided adjustable position,	249,00	■	■	■	-				
easy entry straps, leg fixation adjustable in length and position,									
shoe size: <input type="checkbox"/> 32–41 (UK 0–7½) <input type="checkbox"/> 37–45 (UK 4–10½) <input type="checkbox"/> left <input type="checkbox"/> right									
<input type="checkbox"/> Ergonomic pedal with lower leg fixation single sided adjustable position,	169,00	-	-	-	■				
easy entry straps, leg fixation adjustable in length and position,									
shoe size: <input type="checkbox"/> 32–41 (UK 0–7½) <input type="checkbox"/> 37–45 (UK 4–10½) <input type="checkbox"/> left <input type="checkbox"/> right									
<input type="checkbox"/> Ergonomic pedals with lower leg fixation left and right adjustable position,	499,00	■	■	■	-				
easy entry straps, leg fixation adjustable in length and position,									
shoe size: <input type="checkbox"/> 32–41 (UK 0–7½) <input type="checkbox"/> 37–45 (UK 4–10½)									
<input type="checkbox"/> Ergonomic pedals with lower leg fixation left and right adjustable position,	339,00	-	-	-	■				
easy entry straps, leg fixation adjustable in length and position,									
shoe size: <input type="checkbox"/> 32–41 (UK 0–7½) <input type="checkbox"/> 37–45 (UK 4–10½)									

		● Basic configuration	○ Option, no upcharge	■ Option with upcharge	- Not available	GEN	GEF	GEL	GES
Safety equipment									
Lights									
<input type="checkbox"/> Light wire routing only twin wire routed through the frame	79,90	-	■	■	-				
<input type="checkbox"/> for hub dynamo <input type="checkbox"/> for tire dynamo									
<input type="checkbox"/> Lighting system rechargeable Eyro rechargeable headlight B&M Eyro,	99,90	■	■	■	-				
up to 30 Lux, rear light B&M Toplight Flat S senso, charging via									
USB connector, permanent light powered by battery									
<input type="checkbox"/> Lighting system rechargeable Eyro rechargeable headlight B&M Eyro,	0,00	-	-	-	●				
up to 30 Lux, rear light B&M Toplight Flat S senso, charging via									
USB connector, permanent light powered by battery									
<input type="checkbox"/> Lighting system SON xs-m disc dynohub IQ-X headlight B&M IQ-X,	629,00	-	■	■	-				
up to 100 Lux, rear light B&M Toplight Flat S plus with brake light,									
with front and rear parking lights									
<input type="checkbox"/> Lighting system SON xs-m disc dynohub IQ-X headlight B&M IQ-X,	539,00	-	-	-	■				
up to 100 Lux, rear light B&M Toplight Flat S plus with brake light,									
with front and rear parking lights									
<input type="checkbox"/> Lighting system battery IQ Fly only with E-drive, headlight B&M IQ Fly	189,00	-	■	■	-				
Premium, up to 80 Lux, rear light B&M Toplight 2C DC, permanent light									
powered by E-bike battery									
<input type="checkbox"/> Lighting system battery IQ Fly only with E-drive, headlight B&M IQ Fly	99,90	-	-	-	■				
Premium, up to 80 Lux, rear light B&M Toplight 2C DC, permanent light									
powered by E-bike battery									
<input type="checkbox"/> Lighting system battery IQ-X only with E-drive, headlight B&M IQ-X,	269,00	-	■	■	-				
up to 140 Lux, rear light B&M Toplight 2C DC, permanent light									
powered by E-bike battery									
<input type="checkbox"/> Indicator lights system HP VELOTECHNIK WingBling two indicator lights,	569,00	-	■	■	■				
both front and back, only with E-drive									
Mirrors									
<input type="checkbox"/> Rear mirror B&M E wide view angle, easy to adjust,	59,90	■	■	■	■				
knuckle mounting:									
<input type="checkbox"/> left <input type="checkbox"/> right									
<input type="checkbox"/> Rear mirror B&M E both sides knuckle mounted left and right	119,80	■	■	■	■				
<input type="checkbox"/> Rear mirror MIRRICLE with barend mounting:	49,90	■	■	■	■				
<input type="checkbox"/> left <input type="checkbox"/> right									
<input type="checkbox"/> Rear mirror MIRRICLE both sides barend mounting left and right	99,80	■	■	■	■				
Accessories									
<input type="checkbox"/> Flag HP VELOTECHNIK double-sided print, with reflective strip	19,90	■	■	■	■				
<input type="checkbox"/> Horn AIRZOUND XL adjustable 30 – 115 dB, car valve, max. 80 psi,	34,90	■	■	■	-				
fits to all standard handlebars diameters									
<input type="checkbox"/> Frame lock AXA Victory with removable key, without chain, black	69,90	■	■	■	■				
<input type="checkbox"/> Chain for frame lock AXA Victory length 100 cm	25,90	■	■	■	■				



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Gekko

		● Basic configuration	○ Option, no upcharge	■ Option with upcharge	– Not available	GEN	GEF	GEL	GES
Lugagge									
<input type="checkbox"/> Rear rack 10 mm tube, black powder coating, max. load 25 kg / 55 lbs	79,90	■	■	■	●				
<input type="checkbox"/> Side bag mount mounting for handlebar bags, only for ErgoMesh seats, attached to the seat, maximum load 5 kg, left and right, unmounted	119,00	■	■	■	–				
<input type="checkbox"/> Water bottle set HP VELOTECHNIK 2 x 0,6 l clear PE-bottle with coloured HP VELOTECHNIK print, with bottle cages, mounted	52,90	■	■	■	■				
<input type="checkbox"/> Speedometer mount for computers, battery lights etc., incl. sensor bracket for front wheel	19,90	■	■	■	■				
<input type="checkbox"/> Universal mount for mounting on the handlebar end, Ø 22.2 mm tube holder for accessories such as mobile phone holder / GPS devices or bell, max. load 400 grams	36,90	■	■	■	■				
Weather protection									
<input type="checkbox"/> Trikefender mudguards with excellent side splash protection, 60 mm width in front, incl. 53 mm rear SKS fender	249,00	■	■	■	●				
<input type="checkbox"/> Streamer transparent front fairing, incl. installation, not compatible with PINION	539,00	■	■	■	–				
<input type="checkbox"/> Transport cover for folded HP VELOTECHNIK trikes, ripstop nylon, blue	69,90	–	■	■	■				
Comfort and ability options									
One-hand operation (drivetrain & brakes)									
<input type="checkbox"/> One-hand operation of brakes and shifters disc brakes TEKTRO Auriga Twin, hydraulic, coupled, one-hand operation for both front brakes, disc brake AVID BB7 rear, parallel mounted with parking brake function, optionally right or left, not for drivetrain STURMEY ARCHER Tripleshift 24 Mounting the controls: <input type="checkbox"/> left <input type="checkbox"/> right	419,00	–	■	■	■				
Standing-up aid									
<input type="checkbox"/> Standing-up aid support with grip for easy entry and exit from the trike, optional parking brake thumbshifter will be mounted on the standing-up aid, price per side <input type="checkbox"/> left <input type="checkbox"/> right <input type="checkbox"/> pair	74,50	■	■	■	■				
Walking aid mounts									
<input type="checkbox"/> Walking aid mount single sided automatic attachment and easy to operate safety clip, suitable for diameter 20–30 mm Mounting: <input type="checkbox"/> left <input type="checkbox"/> right	74,90	■	■	■	■				
<input type="checkbox"/> Walking aid mount both sides automatic attachment and easy to operate safety clip, suitable for diameter 20–30 mm	149,80	■	■	■	■				
Support belts									
<input type="checkbox"/> Seat belt usable as lap belt or 4- or 5-point belt	0,00	–	–	–	●				
<input type="checkbox"/> Pelvic support belt for optimal pelvis support on HP VELOTECHNIK recumbent trikes with mesh seats, easy opening due to simple ratchet belts, large range of size adjustment	249,00	■	■	■	■				
<input type="checkbox"/> Chest support belt for optimal upper body support on HP VELOTECHNIK recumbent trikes with mesh seats, easy opening due to simple ratchet belts, large range of size adjustments	249,00	■	■	■	■				



The Gekko-family: Nimble touring trikes that put a smile on your face!



Gekko fx 20:
Foldable touring trike with 20-inch rear wheel, for rider size 1.60 – 2.00 m (5¼' – 6½') from € 2,890



Gekko fx 26:
Foldable touring trike with 26-inch rear wheel, for rider size 1.60 – 2.00 m (5¼' – 6½') from € 2,990



Gekko fxs:
Tip-resistant trike for rider size 1,15 – 1,80 m (3'9" – 6'), individually adjustable OrthoFlex-seat, various adaptive cycling options, base model incl. 8-sp. hub, lights, fender, rack from € 4,390



Gekko 26:
Complete trike with rigid frame, raised seat position and 26-inch rear wheel, for rider size 1.60 – 2.00 m (5¼' – 6½') from € 1,990



Fast, convenient and informative: Selecting the components of your trike is easy with the online configurator at www.hpvelotechnik.com. The configurator provides detailed pictures, technical tips in english language and checks the interplay of your chosen equipment. With your personal configuration number, you can edit your saved component choice, print and call your dealer for advice.

Your custom Gekko is individually built by hand in our recumbent factory in Kriftel, Germany. You can choose the components according to your needs. By going through a personal consultation in a specialty shop in your area, extensive test drives, useful accessories and expert workshop service, you get a trike that fits you perfectly.

Choose according to your heart's delight – please find all options, accessories and prices on the previous pages.

Detailed product information can be found, in addition to this catalog, on our well-structured web pages with a variety of test reports from bike magazines, in the online trike configurator and in the practice-oriented operating and maintenance manual.

Personal customer service in your area can be obtained through our large network of retail partners. You will be advised on an individual basis and obtain valuable information on our sophisticated modular system of accessories and professional workshop services.

10 years warranty is offered by HP VELOTECHNIK for the frame of your new trike. We stand by our products and would like to assure you of sustainable, carefree riding pleasure. Details can be found in the service section of our website.

Excellent quality and service: HP VELOTECHNIK was awarded for five times as the best cycle manufacturer in Germany by the industry association VSF. For us, this is a source of confirmation and motivation. With our dedicated team at HP VELOTECHNIK, we are ready to create your personal dream trike!

Your dealer is looking forward to your visit:

Suggested retail prices in Euro based on 19 % VAT. Local prices at dealer may vary. Shipping to most EU-countries: € 159,00. Effective as of November 2019. Images with special equipment. Subject to alterations.

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