

2024
Recumbent
technology

Fun ride on three wheels

Gekko



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

HP
VELOTECHNIK



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 license 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. Whether it be 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 premium 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 tight 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, with reliable road-grip, your Gekko is your loyal companion in everyday life and when travelling.

Explore new horizons with your Gekko. With impressively stable road holding, it elicits maximum riding pleasure from every bend on your road with your Gekko. But you enhance your image 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.

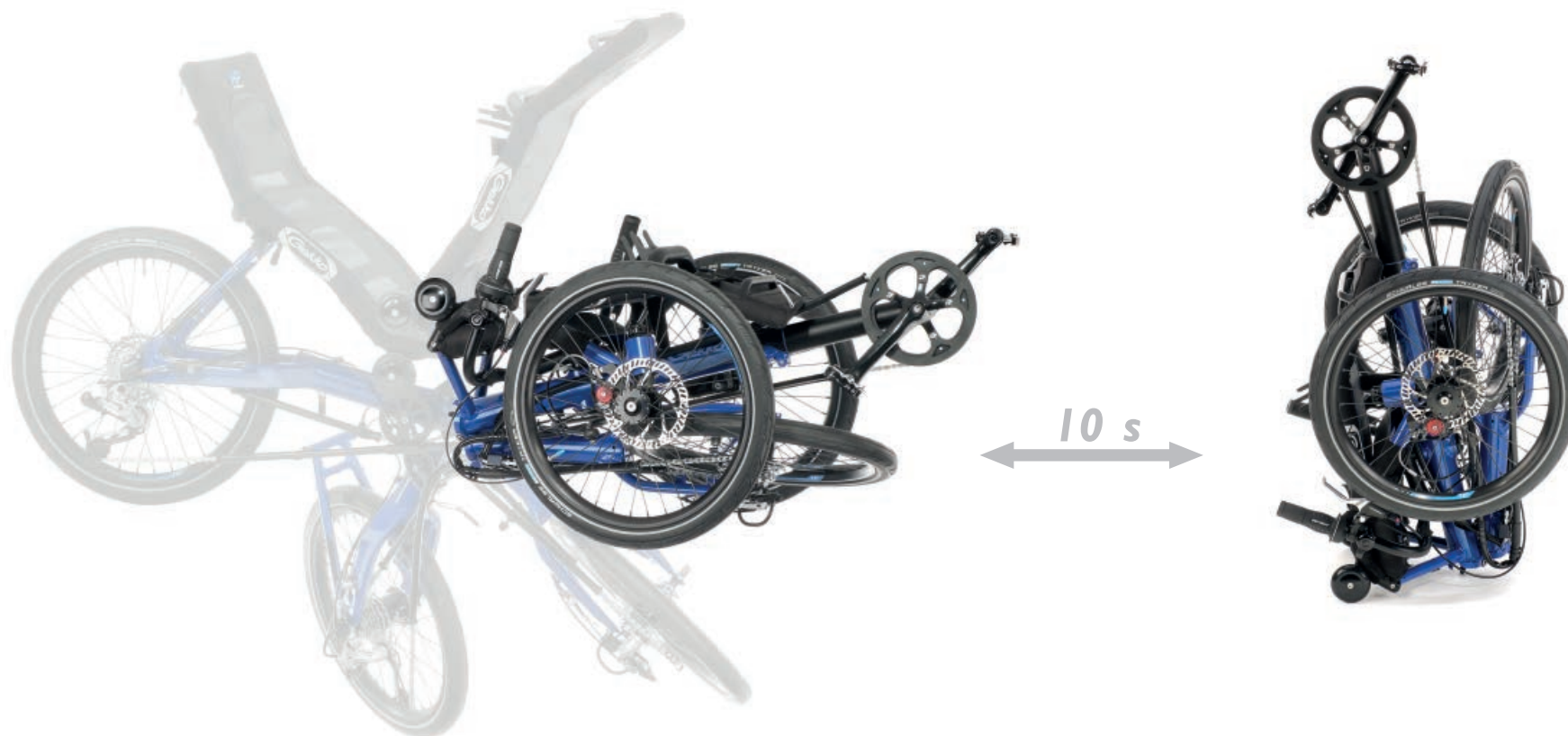
Cunning design: The solid frame construction of the Gekko fx 20 combines a secure road holding with a sporty handling, precise steering, low weight and maximum acceleration. The frame cross member elegantly curves to the front and is positioned close to the seat. Together with the rugged, wide angle-adjustable 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 high, 82–116 cm long (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 powerful drive section behind the cockpit, comfortable driving characteristics increase perceptibly. Key points are smooth running, less rolling resistance and easily riding over obstacles.

Impressive: the stylish 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 dynamic forward-sweeping cross members give the large Gekko fx 26 its 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 1/4").

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 a world of driving pleasure

In spite of the inclination towards larger things the Gekko fx 26 can make itself small in no time at all, just like it's kid brother with the 20 inch rear wheel. A seasoned trike rider will take only 10 seconds to fold his Gekko to a size of 83 x 58 x 107–116cm (32 x 23 x 42–46", W x H x L).

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 with 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 (W x H x L) 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 Performance hubs with an Allen key and simply remove the front wheels together with the brake disc.



E-Trike ready: If one day you find that an electric motor would enhance your Gekko 26 riding experience – no problem! Like any of our trikes, the Gekko 26 can be retrofitted with a compatible modern electric drive. Check with your local bike shop for options.

Gekko 26: Get started for your new Triker life

With the Gekko 26, our engineers have fundamentally re-imagined the tricycle philosophy of HP VELOTECHNIK. The aim was not only to achieve a higher seating position but 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 for those who have to work on a tighter budget.

A thoughtful renunciation of the past: Radical thinking requires consistent concepts. Two features are the main reason why the frame construction of HP VELOTECHNIK's trikes is very labor-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 stronger frame can carry up to 150 kg (331 lbs), which is more payload than the foldable models.

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

Ready to drive! Each Gekko 26 is equipped with a fixed, rock-solid component specification. For us, rock-solid means: 27-gear drivetrain with SHIMANO Deore rear derailleur, hydraulic disc brakes from SHIMANO, tires from SCHWALBE and of course the tried-and-true 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

Seat height	38 cm / 15"
Pedal axle 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 7005 T6
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 color 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 profile and spine size can be precisely supported! Providing ergonomic back and lateral support has never been easier. 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 orthopedic 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 fabric 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 color. 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 saddle sores, painful 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 without fear of discomfort.

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 (14' 1") 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

Hand drive

Hands-On-Cycle – fully enclosed and fully integrated

Hands-On-Cycle is a completely new concept in which just one assembly turns the *Gekko fx 26* foot-operated bicycle into a hand-operated bicycle. In the *Hands-On-Cycle*, 20 years of experience in tricycle construction merge with technical sophistication and groundbreaking design to create a uniquely elegant, compact and comfortable composition. In practice, this means that handcycling has never been so safe and inclusive for people with disabilities.

Thanks to Hands-On-Cycle, you can (once again) take off on bike tours and excursions with family and friends. And in the utmost comfort: With the robust *Gekko fx 26* and its large rear wheel you can maneuver casually even on suboptimal roads. You can entrust your payload to our generously dimensioned luggage racks.

Unique safety advantage: HP VELOTECHNIK packs the hand drive, including gears and cable pulls into a closed housing. This prevents rotating and oily drive parts from coming into contact with your upper body and arms. Other advantages over conventional hand bikes: The vehicles have an amazingly small turning radius and the tidy cockpit offers optimum operating comfort.

Powerful plus: As an option, we can also equip your hand bike with an electric motor. The rear wheel hub motor Z20 from NEODRIVES supports you, as known with from other pedelecs, with foot pedals: Powerful additional thrust with up to 25 km/h (16 mph).



Casual comfort: The ergonomically positioned handles close with a flat rest, which prevents your hands from slipping. You thus avoid having to grip the handles tightly without interruption. This noticeably relieves the strain on your arms.

The cockpit: The *Hands-On-Cycle* provides a clear view of the trike's most important operating and control units. It offers space for additional devices, for example, you can mount your smartphone holder there.

The mast of the Hands-On-Cycle is made of aluminum and has a resistant powder coating in Blue shade grey matt. At the heart of the complex design is a cardan joint. Thanks to its sophisticated mechanics, *Hands-On-Cycle* manages to combine steering and drive in one element in an extremely efficient space-saving design.



Wishful thinking: *Hands-On-Cycle* is fully integrated into HP VELOTECHNIK's modular system. Just as with the trikes with pedals, you can choose from various gears (chain or hub) as well as braking systems (hydraulic, optionally coupled).

Bright-eyed: The headlight of the optional lighting system can be elegantly integrated into the mast of the *Hands-On-Cycle*.

The hand drive, with integrated footrest is installed in the main frame instead of the usual recumbent front boom. The additional weight is only 7.5 kg (16.5 lbs). Like all outriggers in HP Velotechnik bikes, *Hands-On-Cycle* is length-adjustable. In addition, the footrest is adjustable for length.

Four-way adjustable

Hands-On-Cycle can be continuously adjusted for people with a height of 1.60 to 2.00 m (2'7" – 6'6")* and arm lengths of 70 to 94 cm (2'3" – 3'1")*. Optimization is possible in all three dimensions. The length adjustment range of the *Hands-On-Cycle* unit in the main frame is 6 cm (2.4"); the footrest can be extended by up to 14 cm (5.6"). The mast has an adjustment angle of 14°. The grip width can be varied between 52 and 62 cm (20.5" and 24.4"). Another possibility for adjustments is offered by the flexible seat system from HP VELOTECHNIK including the *Seat angle adapter*.

* Approximate value; consult with a specialist dealer as to whether and how *Hands-On-Cycle* can be used for your personal indications is necessary in any case.

Compact for transport

The *Gekko fx 26*, the basic model for *Hands-On-Cycle*, is foldable. And remains so even with the hand drive mounted. The difference: The folding size becomes a little larger, and an additional handle is required: Before you can fold the main frame, the hand drive mast must first be folded to the side.



Hands-On-Cycle



All data from your engine, always perfectly in view.



What is already difficult for many cyclists is often even more complex for hand bikers: giving hand signals when turning. Our optional *WingBling* turn indicators make it easy.



Hands-On-Cycle is prepared for options such as the foot plates. Another option is the *Lower leg fixation*. Both have Velcro straps to fix the feet and legs.

Technical Data

Length 205 – 223 cm (6'7" – 7'3")
Width 83 cm (2'7")
Height 83 – 100 cm (2'7" – 3'3")
Folded dim (L x B x H) ... 120 x 83 x 100 cm
(3'9" x 2'7" x 3'3")*
Turning circle 4,65 m (15'3") outside
Weight from 24 kg (53 lbs)
Riders size approx. 1,60 – 2,00 m
(2'7" – 6'6")

* Folding dim. may increase depending on accessories



Hands-On-Cycle shown here on the full suspension model *Scorpion fs 20*



Extra

Gekko E-Trike

Energy

The Gekko E-Trike with a powerful electric motor

No other type of bicycle is as perfectly compatible with electric motors as recumbent trikes. Why, is obvious: The ease of pedaling and the ergonomic sitting position make the ride even more pleasant. The built-in aerodynamic advantage of your recumbent trike can also be leveraged electrically. Less drag means more range. As a unique safety advantage our E-Trikes can be equipped with a turn signal!

Depending on which electric drive system on the trike you pedal, 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 effortlessly.

Especially remarkable is that the perfect pedaling experience does not change with the motor. Thanks to HP VELOTECHNIK programming and impeccable engineering, there is no stuttering, no noise, and no delicate throttle. The e-drive is very safe and the support only starts when you want it to. It starts as soon as you pedal and ends subtly through electronic sensors when the trike reaches 25 km/h (16 mph) respectively for USA 32 km/h (20 mph, Class 1 electric bicycle).

This pre-programmed top speed allows your *E-Gekko* to legally conform to 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 drained. When climbing, 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 on the ground!

You have the choice, because these four different drive systems provide extra power on your Gekko: either the extremely quiet hub motor from NEODRIVES in the rear wheel or one of the three bottom bracket motors from SHIMANO's *STEPS* series. They all reinforce how HP VELOTECHNIK's unique power forward design enhances your riding experience. Each of these four 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.

Just like a mini-dashboard the ergonomically arranged, easy-to-read operating elements facilitate the rider's technical monitoring. You reach your destination relaxed, no matter if you want to leave the traffic jam behind or take a big tour with heavy luggage.

US Class
1
electric
bicycle
250W
20mph

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 for this type of drive is the NEODRIVES Z20: Optimized for dynamic riding, it comes with a futuristic design and an energy efficiency of 85 percent coupled with easy-use features such as a functional display.

The stats of the NEODRIVES Z20 speak for themselves. The maximum degree of support is 300 percent. When accelerating, the motor increases its maximum power output to up to 450 W. With a 576 Wh battery, you can achieve ranges of up to 136 kilometers (84 miles). The whisper-quiet rear-wheel drive is a gearless motor. Thus engine power is not lost to the chain or sprocket. This protects these drive parts, which will last up to four times longer on average than with bottom bracket motor. To ensure the highest quality standards, the motor was made in Germany.

A particular advantage of a hub motor system in contrast to bottom bracket motors is that they can recover energy when riding downhill, and therefore increase your range. 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

also protects the pads of your disc brakes. The drive also protects the environment and your wallet. With modern green electricity, a full charge of riding pleasure costs you only pennies per day.

Unique in the recumbent bike sector: The Gekko with hub motor has a reverse gear for maneuvering. Reverse travel at up to 3 km/h (1.86 mph) is activated via a submenu in the control unit and started with an initial movement by the driver.

Tailwind with a thumb: The remote control of this 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 are 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, motor support, daily distance travelled or average speed. Thanks to the convenient user interface, the menus on the 2.4-inch display can be scrolled quickly and easily.

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

To reinforce the high quality, we offer you two options for gearing choices: The SRAM 30 derailleur system with 3x10 very finely tuned gears, and the robust C1.12 bottom bracket gearbox from PINION with an enormous gear ratio range of 600 percent.



Which E-Drive fits best?

Four motors in the range up to 25 km/h pedal assistance, each with several 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, on the other hand, you often drive in hilly terrain or in the city with frequent starts and stops, the STEPS E6100 with 60 Nm and the Nexus Di2 automatic transmission from SHIMANO 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 EP801 Cargo system with 85 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. Here, the EP801 Cargo version and the Z20 hub motor go head-to-head. Beyond all power comparisons, the Z20 scores with a highly sensitively tuned driving behavior. Nature lovers will appreciate the practically inaudible power plant in the rear wheel.

In contrast to hub motors, the bottom bracket drive doesn't know the meaning of overheating when driving slowly on a very steep mountain. On those uphill grades, you are always well protected with SHIMANO STEPS. By the way: comfortable uphill riding is an established engineering domain of our stable trikes.



SHIMANO STEPS: Versatility is the key

Maximum bandwidth: With the *EP801 Cargo*, *E6100* and *E5000* systems, we use the most advanced motors from the SHIMANO STEPS motor range to fit to our trikes. Each system has its specific advantages. The very compact *E5000* integrated into the front boom is ideal for the price-conscious. The *E6100* already offers 50 percent more power. In addition, we equip it from the manufactory with an automatic hub gear. The new *EP801* high-end system impresses with a maximum power of 600 W and a torque of 85 Nm. We install the *EP801* in the *Cargo* version. It provides full power practically after the first pedal stroke.

Automatic comfort: You can combine all engines with fully automatic gearing. The *EP801 Cargo* comes with two highlights: the continuously variable *Trekking Automatiq* from ENVIOL and the 10-speed *Cues Di2* derailleur from SHIMANO, which always engages the most efficient gear when riding thanks to Autoshift Technology. As with the *E6100*, the proven *Nexus Di2* 8-speed hub gear system is also available for the *E5000*. Result: You let the machine work and dedicate yourself to relax to enjoy the surroundings – whether in the busy city or with panoramic view when traveling.

You prefer to have it in your own hands? Then choose from our manual gearing systems. If you mostly ride on flat terrain, go for the 8-speed derailleur, which also comes with an attractive price. Fans of high-end technology, on the other hand, will enjoy the legendary 14-speed hub gear from ROHLOFF, the *Speedhub*.

The slim silhouettes of the motors blend discreetly into the award-winning design of the *Gekko*. The large chainrings (38, 44 or 50 teeth) 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 forces of rider and motor go directly to the chainring, even at speeds above the pedelec support limit of 25 km/h (16 mph) or, for US Class 1 electric bikes, 32 km/h (20 mph). Your power arrives at the rear wheel without noticeable power loss.

With a range of up to 189 km (117 mi), the *STEPS* system delivers a powerful result from the efficient energy management of the standard 418 Wh battery. The range increases by almost a third if you alternatively choose the optional battery with 630 Wh capacity, which we supply with 4 A quick charger. The externally identical batteries can be easily removed by unhinging them and removing them off from the side. They snap back into place just as quickly and easily. If you have a wall outlet available once you have reached your parking spot, you can even recharge the battery without removing it.

STEPS E5000



By far the most affordable electric motor in our modular system comes in a particularly small housing. This fits elegantly on the bottom bracket boom of your *Gekko*, which is specially forged for the *STEPS* motors.

With its harmonious characteristics and a well-dosed torque of 40 Newton meters, the *E5000*, in combination with the shifting options we have selected, is the ideal companion for comfort-oriented riders.

Comfort meets versatility: The large surface of the black-and-white display (6,9 cm / 2.7") ensures good readability with its high-contrast display. The system impresses with its very easy handling, including the practically integrated light button. For maximum yield, choose the *IQ-X* light system for this purpose. Wireless connectivity to smartphone apps and a variety of bike computer functions underline the versatility of the *E5000*.

STEPS E6100



The proven system from the Japanese company's range offers a torque of 60 newton meters. This means an increase of 50 percent compared to the *E5000* engine.

This expands the range of use of your trike immensely and ensures a wide range of applications in everyday life. The *E6100* delivers plenty of power both on hills and as a towing machine in front of a children's trailer or cargo trailer.

We use the Nexus Di2 hub gear as the standard gear system for the *E6100*. You will already appreciate the advantages of the fully automatic gearing, which can be activated at the push of a button, after the first lap. When stopping at traffic lights, for example, the no-worry package automatically engages a low gear. Otherwise, too, the *Nexus Di2* always shifts into the most efficient gear. To ensure that the shifting process is smooth and without jolts, the system automatically reduces the assistance for a moment.

STEPS EP801



The flagship: With the *EP801* motor, SHIMANO propels the topic of e-mobility into a new dimension. All modules have been revised and equipped with new software. The top system impresses with a torque of 85 newton meters. It goes without saying that HP VELOTECHNIK includes a compact display with numerous bike computer functions.

SHIMANO's new technologies enable fully automatic gear changes for the first time on a derailleur. The system always selects the most efficient gear when riding thanks to the *Autoshift technology*. But it can do even more. *Freeshift technology* detects braking: parallel to deceleration, thus the chain is shifted to a lower gear.

Ingenious additional feature: Via our app, you can program the motor with two completely individually tunable profiles. This is perfect if you want to get the bike ready for different areas of use or riders in seconds at the touch of a button on the display.

We chose the Cargo version of the *EP801* with care. It allows you to get full power from the motor practically with the first pedal stroke. The maximum assistance ratio is a whopping 400 percent.

Technical Data: all E-drives in comparison

System	SHIMANO STEPS E5000	SHIMANO STEPS E6100	SHIMANO STEPS EP801 Cargo	NEODRIVES Z20
	US: Class I electric bicycle	US: Class I electric bicycle	US: Class I electric bicycle	US: Class I electric bicycle
Support up to	25 km/h (16 mph)	25 km/h (16 mph)	25 km/h (16 mph)	25 km/h (16 mph)
Push assist up to	6 km/h (4 mph)	6 km/h (4 mph)	6 km/h (4 mph)	4 km/h (2.5 mph)
Reverse gear	-	-	-	up to 3 km/h (1.8 mph)
Range*	up to 189 km (117 miles)	up to 177 km (110 miles)	up to 191 km (118 miles)	up to 136 km (84 miles)
Force amplification	3 levels: Eco / Normal / High	3 levels: Eco / Normal / High	3 levels: Eco / Trail / Boost	5 levels
Noise level	silent bottom bracket motor	silent bottom bracket motor	very silent bottom bracket motor	extremely silent hub motor
Max. torque	40 Nm (at the front motor)	60 Nm (at the front motor)	85 Nm (at the front motor)	40 Nm (at the rear wheel)
Rated power	250 W	250 W	250 W	250 W
Maximum power	-	-	-	450 W
Rechargeable battery	SHIMANO 36V Li-Ion removable, with lock	SHIMANO 36V Li-Ion removable, with lock	SHIMANO 36V Li-Ion removable, with lock	BMZ 36V Li-Ion removable, with lock
Support	200 %	200 %	400 %	300 %
Energy content	418 Wh	418 Wh	418 Wh	576 Wh
Battery weight	2,7 kg (5.6 lbs)	2,7 kg (5.6 lbs)	2,7 kg (5.6 lbs)	3,5 kg (7.7 lbs)
Battery life	800–1000 charging cycles	800–1000 charging cycles	800–1000 charging cycles	800–1000 charging cycles
Charger	SHIMANO (2 A)	SHIMANO (2 A)	SHIMANO (2 A)	BMZ fast charger 4 A
Charging time	6,5 hours (3,5 hours 80%)	6,5 hours (3,5 hours 80%)	6,5 hours (3,5 hours 80%)	4 hours
Charger weight	1 kg (2.2 lbs)	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. 8,6 kg (18.9 lbs)	ca. 8,2 kg (18.1 lbs)	ca. 8,7 kg (19.2 lbs)
Display	Black/white display above handlebar (Top View)	Black/white display above handlebar (Top View)	Black/white display above handlebar (Top View)	Black/white display above handlebar (Top View) or side of handlebars
Drivetrain	SHIMANO Xf 8 speed derailleur gearing twist shifter 20": 44 / 11–34 teeth 26": 38 / 11–34 teeth	SHIMANO Nexus Di2 8 speed rear wheel internal gear hub 20": 44 / 18 teeth 26": 44 / 23 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	-	ROHLOFF Speedhub 14 speed (rear wheel internal gear hub) or ENVIOLLO Trekking Automatik (stepless planetary gearbox)	PINION C1.12 12 speed internal gear transmission
Extras	optionally with big battery pack (630 Wh) and fast charger (4 A; 2,5 hours: 50%) Bluetooth interface	optionally with big battery pack (630 Wh) and fast charger (4 A; 2,5 hours: 50%) Bluetooth interface	optionally with big battery pack (630 Wh) and fast charger (4 A; 2,5 hours: 50%) Bluetooth interface	USB interface Bluetooth interface

* Range as stated by manufacturer: SHIMANO STEPS E5000, E6100 and EP801 Cargo: support mode Eco, flat terrain, 23 km/h, system weight 105 kg (231 lbs), outside temperature 23°, without electric gearing and light (standard battery with 418 Wh); EP801 Cargo with Eco mode on Level 3 (27 Nm) and start of support with Level 5.
NEODRIVES Z20: 100 W rider input, support level 1, flat terrain, smooth roads, 70 kg (154 lbs) payload incl. rider.





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 extend. (...) 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, the trikes are elaborately hand built 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.

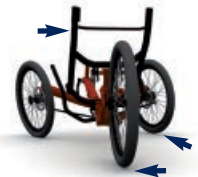
HP VELOTECHNIK: Pure recumbent passion to enjoy!



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

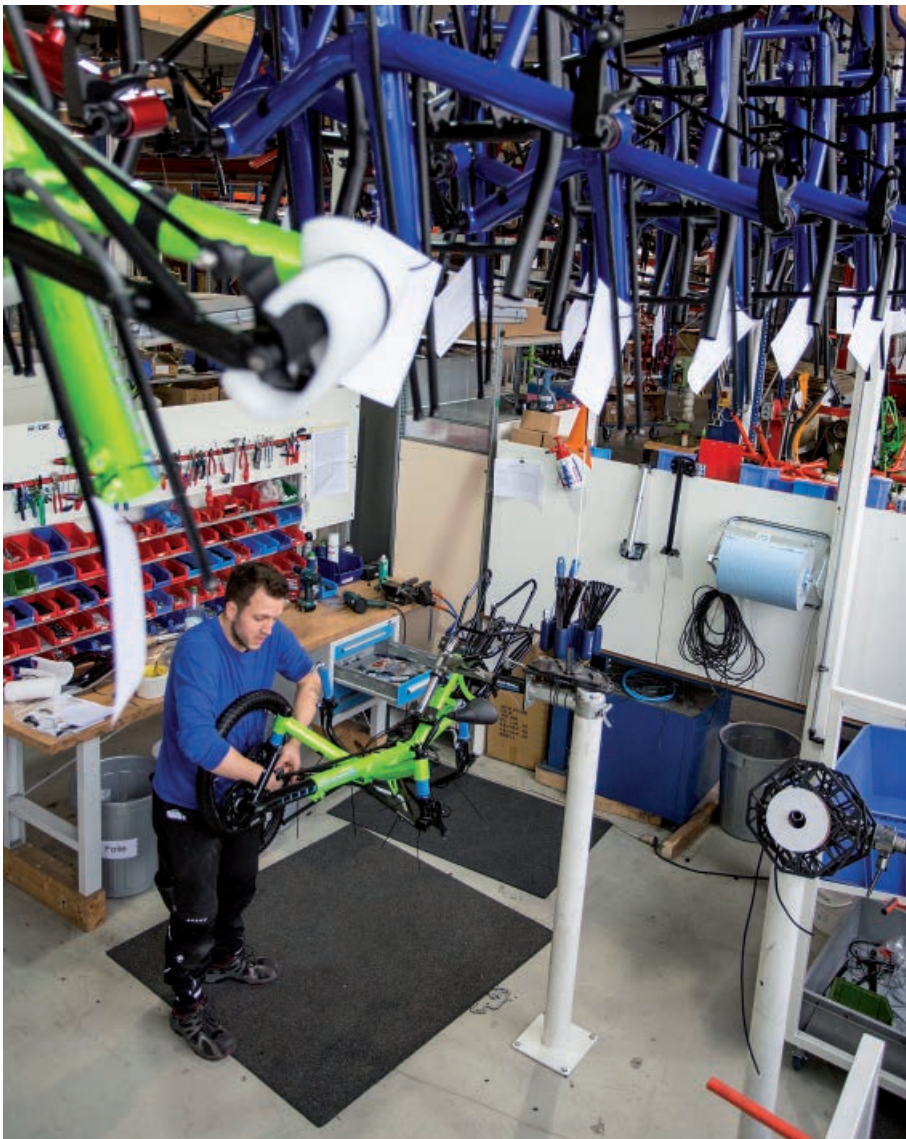
The focus is on people. At HP VELOTECHNIK trikes are designed on the basis of your needs, modern construction methods and ergonomic sense, down to the smallest detail. Modular, orthopaedically designed seating systems help creating a perfect link between you and the bike. Plenty of riding pleasure is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



Features

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

Optional features for true individuals: Do you have your own notion of your ideal bike technology? Our modular system enables us to build your trike to meet your needs and desires. A whole range of reliable features and components is available for your Gekko, all of which have been specially developed to excel in everyday use. For example, the *Streamer* front fairing extends the bike season to all year round by protecting you from the elements. With our torsionally-rigid luggage racks, your bags are positioned securely on the frame where they enjoy full suspension instead of swinging from side to side on the fork or handlebars.

On this and the next double page, let yourself be inspired by what is traditionally called an accessory. However, on a trike like the Gekko these amenities will truly add to your complete riding pleasure. Or can you imagine setting off on a tour as casually with a traditional upright bike as with a coffee mug on the *Side Bag Mount* of a tricycle?

For the drivetrain and brakes, we use reliable, easy-to-operate components from the cycling world's most prestigious manufacturers. We even combine these to create unconventional solutions, such as a one-handed brake and shifter operation.

If you want to go beyond the optional features shown on the next pages of this brochure and equip your Gekko in line with your own ideas, we will gladly supply your dealer with the complete trike technology in the form of our frame kit.

Our highly competent dealers are there to give you comprehensive advice. Disc brakes and hub gears can make noise; tires, shocks, and chain drives can wear out. Your dealer knows the advantages and disadvantages of the various components, can tell you the maintenance intervals, and will gladly help you tailor your Gekko's features to match its intended use, your riding style, and your 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.

Years of fascinating riding pleasure await you!

Luggage



The stable *Rear rack* for two panniers up to a 25 kg (55 lbs) load is optimal for the high lateral forces when riding a tricycle. Your panniers ride low and close to the rider, next to the rear wheel. The advantage of the Gekko series: The platform for larger panniers is already integrated above the rear wheel. The rack is made of aluminum tubes (10 mm / 0.39") with black powder coating.



The universal *Side Bag Mount* fits small accessories 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. With the *Side Bag Mount* fitted, the pull function on the small transport wheels at the seat is not possible.



Your Gekko can be equipped with two removable luggage pockets, the *Add-on bags*. Separated neatly, they accommodate the optional seat rain cover as well as the small everyday items. Both bags are made of water-repellent Cordura® and have a protected zipper. They each offer a pack content of 1.4 litres. The left pocket made for stashing the protective cover has a mesh fabric for air circulation.

Weather protection gear



Optimized protection with elegant lines: HP VELOTECHNIK has developed fenders especially for tricycles with our *Trikefender*. The inner side and the lower edge are pulled down to improve the splash protection to the rider, especially when cornering. The mounting elements are attached to the inside of the bike and are well protected. Rounded profile with 60 mm (2.36").



Protection against the wind and rain: The *Streamer* front cover from HP VELOTECHNIK keeps your feet warm and your legs dry. The cover's angle and height are adjustable. The cover can be easily removed using the quick release lever and rolled up for transportation. Teardrop-shaped for low wind resistance. Weight approx. 2.2 kg (4.8 lbs). Made of transparent, break-resistant plastic.



Rain cover for the *BodyLink* seat is made of blue ripstop nylon – so your seat stays dry after a rain storm. You can always have the "little blue" with you, it can be rolled or folded narrowly and then easily fits into the backrest.

Comfort options



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.



Take a seat and feel good: The 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 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.





Light and safety



Highlight (picture left): The SON hub dynamo lighting system for your Gekko has unmatched efficiency and is extremely light. Always ready for use, even in rain and snow. The ultra bright 100 lux LED headlamp B&M IQ-X brings extra safety with daytime running lights (Licht 24). B&M Toplight Flat S taillight with brake light. Parking lights in front & rear. Twin-wire cable in the frame.

Eyro Light Set (picture right): The 30 lux battery-powered light set from B&M has a USB charging port with a charging cable is included. The rear light Toplight Flat S is also from B&M and is powered by 2 AA batteries. The advanced dusk and dawn sensor turn the lights on automatically.



Send a signal! With our **WingBling** turn indicator (left), cyclists now can easily show their intentions in traffic. Advantage: It is not only the communication with other road users that makes the **WingBling** a unique accessory to your trike. It also makes your ride safer: In sharp corners you leave your hands at the handlebars instead of using hand signals.

With the extra-large viewing window of the **B&M E Rear mirror** (picture right), you can see what's going on behind you. The field of view is easily adjustable, but remains in position even on rough surfaces. Mounted on the kingpin or with bar end bracket on the handlebar; optionally available on the left, right or both sides.



What the handbrake does in the car is done by the **Parking brake** (picture left) on the trike: safe parking even on sloping ground assured by a SHIMANO V-Brake with a large thumb lock lever.

Coupled front brake (picture right): Designed for all those who want to effectively control both front wheels at the same time with one brake pull. HP VELOTECHNIK offers this both as an option for the mechanical disc brake AVID BB7 and for a hydraulic disc brake.



Additional accessories



Everything in view and always within easy reach: The **Universal Mount** is the most practical answer to the question: Where do I put my mobile phone on the trike? Simply fasten the handlebar holder of your mobile phone, GPS device or other digital helper on the black anodized holder (approx. 7 cm / 2.75" long, 22 mm / 0.86" tube diameter) above the handlebar end.



Immobiliser: Push out the handle, pull out the key - and the powerful **AXA Frame lock** effectively locks the rear wheel. The **AXA accessory Chain for Frame lock** (1 m / 39" long) is recommended as an extra to securely lock the trike.



Safety is not a fashion statement: Many recumbent riders enjoy using a flag to increase visibility in traffic; it belongs on their ride like a bell or horn. Our new logo and design brings a fresh level or awareness on the road to everyone. Silver Reflective with orange Print.

Rehab options



Everything from a single source: People who need all the controls on their bike on one side of the handlebars can choose the *One-hand operation* option: Thanks to custom-made manufacturing, we can install engine control, gear shift, brake, plus parking brake and light with turn signals left or right.



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



Comfortable and save: HP VELOTECHNIK has developed *Support belts* that are extremely easy to use for optimum stabilization of the upper body and pelvis: The large range width can be adjusted by using the ratchet strap. Suitable for the *ErgoMesh* mesh seat.



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 pedaling. One grasp is enough to release the shoe again when needed.



The *ErgoPedal with safety release* allows fixation and an adjustment to the angle and the width of a foot. Practical large, one-hand operated hook-and-loop fasteners featuring an integrated steel spring. The *SPD®* pedal allows some lateral movement to ease the load on the joints when pedaling and offers real emergency exit options.



The *ErgoPedal with calf brace* is especially for users with functional impairments of feet and lower legs. This allows simultaneous active and passive movements which can mobilise with every turn of the crank. Angle, width and height of the lower leg support are adjustable. This version does not rely on an *SPD®* pedal for stability reasons.



Walking aid mount: Easy insertion, safe transport and fast removal of walking aids. The practical fastener adjusts seamlessly to diameters from 20 to 31 mm (0.78 to 1.18 inches). HP VELO-TECHNIK's stainless steel clip fixates the walking aid and releases it again with a non-fumbling one hand operation.

Exclusive offers for US customers: Our Gekko models in Sport, Performance and Comfort setup or as hand bike

Smiles for everyone: The models Gekko 26, Gekko fx 20 and Gekko fx 26 not only combine HP VELOTECHNIK quality with an attractive price, but also give you several feature-packed setup levels to choose from. To top it all off and set you riding as soon as possible, we keep that ready for immediate shipping from our US warehouse.

Veterans looking for independence now have a unique choice: They can equip their Gekko fx 26 or Gekko 26 with *Hands-On-Cycle*. This is the world's only fully encapsulated hand drive with many more comfort extras (page 20). Get in contact with your local VA Medical Center and learn more about possible funding.



One of the most beautiful reasons for a triker's grin: With the Gekko 26, quality trike riding becomes available for budget minded recumbent fans.



The compact Gekko fx 20 also shows its strengths in the US version: A very agile ride and a narrow turning circle combined with extraordinary small folding dimensions.



With its dynamic 26" rear wheel, the also foldable Gekko fx 26 is longing to explore the great trails between East and West Coast – in Sport or Comfort configuration.



The Gekko 26 as the start-up package into your triker's life allows the highest payload of all our Gekkos with its rigid non-folding frame. Save weight and money with this model, if folding your trike is not an essential feature for you.



Hands-On-Cycle, the elegant hand drive for trikes. Outstanding: The worldwide unique concept with the completely enclosed chain guide has a turning circle just as small as the trike with foot drive.

Looking for your personal Gekko? No problem! You have the choice of the budget oriented *Sport configuration*, (Gekko fx 20 only) or for our 26" models between the *Performance configuration* and the *Comfort configuration*. Additionally you can customize your Gekko with comfort or safety equipment such as rear mirrors and mudguards.

The configurations were carefully selected to meet the specific preferences of many American recumbent enthusiasts. For fully customizing your Gekko see what is in store when turning the page. These customised models you can order straight ahead from our manufacture in Kriftel.

US special edition prices & accessories

To provide fast delivery, US models are prebuilt and come with a selected accessory choice from our US Warehouse. If you want to fully customize your Gekko, please consult the following pages for our custom models shipped from Germany.

<input type="checkbox"/> Gekko 26 non-foldable touring trike, 26" rear wheel, Performance:	\$ 3,190.00
higher seat position, Lime green or Deep blue Comfort:	\$ 3,690.00
Hands-On-Cycle:	\$ 5,990.00
<input type="checkbox"/> Gekko fx 20 foldable touring trike, Sport:	\$ 2,850.00
20" rear wheel, Magma red or Deep blue	
<input type="checkbox"/> Gekko fx 26 foldable touring trike, Performance:	\$ 3,490.00
26" rear wheel, Magma red or Deep blue Comfort:	\$ 3,990.00
Hands-On-Cycle:	\$ 6,290.00
<input type="checkbox"/> Headrest* adjustable in height and angle, quick release	\$ 189.00
<input type="checkbox"/> Handrests left and right* comfortable hand support,	\$ 159.00
mounted on handlebar	
<input type="checkbox"/> Seat pad* breathable pad for regular seat	\$ 189.00
<input type="checkbox"/> Seat angle adapter* 9° more upright seat positioning	\$ 119.00
<input type="checkbox"/> Rain cover for seats, Ripstop nylon fabric, blue	\$ 25.00
<input type="checkbox"/> Transport cover for folded trikes, nylon fabric	\$ 99.00
<input type="checkbox"/> Parking brake set SHIMANO* V-brake with thumbshifter	\$ 59.00
<input type="checkbox"/> Rear rack 10 mm tube, max. load 25 kg / 55 lbs	\$ 99.00
<input type="checkbox"/> Side bag mount mounting for handlebar bags, left and right	\$ 179.00
<input type="checkbox"/> Rear mirror B&M E left wide view angle, easy to adjust	\$ 85.00
<input type="checkbox"/> Rear mirror B&M E right wide view angle, easy to adjust	\$ 85.00
<input type="checkbox"/> Front boom quickadjust	\$ 199.00
<input type="checkbox"/> Water bottle set HP VELOTECHNIK 2 x 0,6 l PE-bottle	\$ 75.00
<input type="checkbox"/> Speedometer mount for computers or GPS devices,	\$ 29.00
incl. sensor bracket for front wheel	
<input type="checkbox"/> Universal mount for mounting accessories on handlebar end ..	\$ 45.00
<input type="checkbox"/> Mudguard set HP Trikefender black	\$ 319.00
<input type="checkbox"/> Flag HP VELOTECHNIK reflective with orange print	\$ 29.00
<input type="checkbox"/> Footplate for Hands-On-Cycle, 1 pair mounted on leg rest	\$ 309.00
<input type="checkbox"/> Calf brace for Hands-On-Cycle, 1 pair mounted on leg rest	\$ 169.00

*accessory included in Comfort configuration

Sport configuration for Gekko fx 20

The right setup for all recumbent enthusiasts who are budget oriented without compromising the overall riding performance

Drivetrain	24 speed: SRAM X4 rear, MICROSHIFT front, SRAM PG-820, 8 speed
Shift levers	SRAM X4 twist shifters
Crankset	SHIMANO FC-TY 501 triple steel chain rings
Brakes	SRAM BB7 mechanical disc brakes with 160 mm rotor
Front hubs	HP Performance with one key release quick mount
Tires	SCHWALBE Tryker 40-406 (front), Marathon Racer 40-406 (rear)
Pedals	NWL-91K
Steering	one-piece handlebar, fixed width, angle adjustable

Performance configuration for Gekko 26 and Gekko fx 26

You are aiming for the long haul and like to go out for epic rides on a regular base – this will be your perfect match!

Drivetrain	SHIMANO Deore 27, Deore 9 rear, MICROSHIFT front, Cassette HG400
Shift levers	MICROSHIFT barend shifters BS-109
Crankset	SHIMANO Alivio FCT 4010
Brakes	SHIMANO XT, hydraulic disc brakes with 160 mm rotor
Front hubs	HP Performance with one key release quick mount
Tires	SCHWALBE Marathon Racer 40-406 (front), Marathon Racer 40-559 (rear)
Pedals	NWL-91K
Steering	one-piece handlebar, fixed width, angle adjustable

Comfort configuration for Gekko 26 and Gekko fx 26

Easy to use and highly adaptive components do not only provide great comfort, but can also make riding possible again for trike fans with special needs.

Drivetrain	10 speed: SRAM GX, SRAM PG-1050, 10 speed, as in <i>Performance configuration</i>
Shift levers	MICROSHIFT BS-M10R
Crankset	Aluminum with single chain wheel 39 teeth, 155 mm crank arm length, frame comes with derailleur tube
Brakes	AVID BB7 mechanical disc brakes with 160 mm rotor, both front wheels coupled
Front hubs	HP Performance with one key release quick mount
Tires	SCHWALBE Tryker 40-406 (front), Marathon Racer 40-559 (rear)
Pedals	NWL-91K
Steering	two-piece handlebar, adjustable in width and angle
Accessories incl.	headrest, handrests, seat pad, seat angle adapter, parking brake

Hand drive Hands-On-Cycle mounted on HP VELOTECHNIK trike Gekko fx 26 and Gekko 26

The first choice for handicapped people who cannot operate a foot drive. Height adjustable, length adjustable, adjustable leg rest. More details to be found on page 20

Drivetrain	STURMEY ARCHER Tripleshift 24 speed, 3 speed rear hub, 8 speed rear derailleur
Shift levers	SRAM X4 twist shifters
Crankset	HP VELOTECHNIK HOC custom made (width adjustable)
Brakes	Shimano hydraulic disc brakes with 160 mm rotor
Front hubs	HP Performance with one key release quick mount
Tires	SCHWALBE Tryker 40-406 (front), Marathon Racer 40-559 (rear)
Steering	HP VELOTECHNIK HOC custom made
Accessories incl.	parking brake

The choice is yours!

Our modular kit for your dream trike:

Basic model

<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")	\$ 4,230.00
<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")	\$ 4,340.00
<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")	\$ 5,330.00

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

Frame

Colors

<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:	\$ 219.00	■	■	■

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	\$ 239.00	■	■	–
<input type="checkbox"/> Front boom quickadjust compensates extra chain length when front boom is adjusted, quick release levers	\$ 199.00	■	■	■
<input type="checkbox"/> Front boom quickadjust without chain compensation QR-levers	\$ 45.00	■	■	■

Seats

Seats

<input type="checkbox"/> Gekko fx standard seat well ventilated mesh seat prepared for optional <i>Add-on bags</i>	\$ 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	\$ 189.00	■	■	■
<input type="checkbox"/> Seat pad additional comfortably upholstered seat pad to attach to the normal seat, breathable filling material	\$ 189.00	■	■	–
<input type="checkbox"/> Seat angle adapter shifts the adjustment range of the backrest by 9° to a more upright position	\$ 119.00	■	■	–
<input type="checkbox"/> Rain cover for seat, Ripstop nylon fabric, blue	\$ 25.00	■	■	■
<input type="checkbox"/> Adjustable end stops allow exact positioning of the seat	\$ 19.00	■	■	■

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

Steering

Handlebars

<input type="checkbox"/> Long handlebars for 6 cm (2.4") higher grip position	\$ 25.00	–	–	■
<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	\$ 429.00	–	–	■

Hand rests

<input type="checkbox"/> Handrests left and right comfortable hand support, adjustable in position and angle, mounted on handlebar, washable cushion	\$ 159.00	■	■	■
<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	\$ 115.00	■	■	■
<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	\$ 219.00	■	■	■

Tires

<input type="checkbox"/> SCHWALBE Tryker 1.5" (40 mm), high wear-resistance, low rolling resistance, precise steering	\$ 0.00	●	●	●
<input type="checkbox"/> SCHWALBE Marathon Plus 1.75" (47 mm), very good puncture protection, higher weight	\$ 39.00	■	■	■
<input type="checkbox"/> SCHWALBE Kojak 1.35" (35 mm), very low rolling resistance, only for drive-train SRAM 30 speed and PINION	\$ 39.00	■	■	–

Brakes

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"/> SHIMANO XT separate brake per front wheel, SHIMANO SM-RT 26 discs, no rear wheel brake, lever reach adjustable	\$ 279.00	■	■	■
<input type="checkbox"/> Hydraulic brakes coupled coupled front brakes, rear mechanical disc brake with parking brake function, Gekko fxs lever reach adjustable	\$ 319.00	■	■	■

Mechanical disc brakes

with HP VELOTECHNIK SnakeSeal at the brake levers, not with Hands-On-Cycle)

<input type="checkbox"/> Avid BB7 separate brake per front wheel, no rear wheel brake, Gekko fxs with children levers	\$ 59.00	■	■	●
<input type="checkbox"/> Avid BB7 coupled front brakes with one-hand operation, rear disc brake, parking brake function, lever reach not adjustable	\$ 169.00	■	■	■

Parking brake

<input type="checkbox"/> Parking brake SHIMANO rear wheel V-Brake with thumbshifter	\$ 59.00	■	■	■
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Choose the components of your Gekko with ease by using our comprehensive, clearly structured online configurator. Simply scan the QR-Code with your tablet-computer or type into your web browser www.hpvelotechnik.com/produkte/konfigurator

Gekko

	● Basic configuration	○ Option, no upcharge	■ Option with upcharge	- Not available	GEF	GEL	GES
Drivetrain							
Gearing							
<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	●	●	-				
<input type="checkbox"/> SHIMANO Nexus Premium 8 speed SHIMANO internal gear hub, black, twist shifter	-	-	●				
<input type="checkbox"/> SHIMANO Nexus Premium 8 speed SHIMANO internal gear hub, black, twist shifter	■	■	-				
<input type="checkbox"/> STURMEY ARCHER Tripleshift 30 speed STURMEY ARCHER 3 speed internal gear hub with SHIMANO XT 10 speed rear derailleur and cassette 11-36 teeth, barend shifters	■	■	-				
<input type="checkbox"/> STURMEY ARCHER Tripleshift 30 speed STURMEY ARCHER 3 speed internal gear hub with SHIMANO XT 10 speed rear derailleur and SHIMANO cassette 11-36 teeth, barend shifters	-	-	■				
<input type="checkbox"/> SRAM 30 speed SRAM GX rear derailleur, MICROSHIFT front derailleur, SRAM cassette PG 1050 11-36, crankset 60-52-40, SRAM SL 500 barend shifters	■	-	-				
<input type="checkbox"/> SRAM 30 speed SRAM GX rear derailleur, MICROSHIFT front derailleur, SRAM cassette PG 1050 11-36, crankset 52-42-30, SRAM SL 500 barend shifters	-	■	-				
<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	■	■	-				
<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	-	-	■				
<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	■	■	-				
Pedelec / E-assist systems SHIMANO STEPS							
<input type="checkbox"/> SHIMANO STEPS E5000 and X4 8 speed electric assist up to 20 mph (32 km/h), SRAM X4 derailleur gearing, 36 V Li-Ion battery 418 Wh, push assist up to 4 mph (6 km/h)	■	■	-				
<input type="checkbox"/> SHIMANO STEPS E5000 and Nexus Di2 8 speed electric assist up to 20 mph (32 km/h), SHIMANO Nexus 8 speed Di2 automatic gear hub, 36 V Li-Ion battery 418 Wh, push assist up to 4 mph (6 km/h)	■	■	■				
<input type="checkbox"/> SHIMANO STEPS E6100 and Nexus Di2 8 speed electric assist up to 20 mph (32 km/h), SHIMANO Nexus 8 speed Di2 automatic gear hub, 36 V Li-Ion battery 418 Wh, push assist up to 4 mph (6 km/h)	■	■	-				
<input type="checkbox"/> SHIMANO STEPS EP801 Cargo and Cues Di2 11 speed electric assist up to 20 mph (32 km/h), SHIMANO Cues Di2 derailleur gearing, 36 V Li-Ion battery 418 Wh, push assist up to 4 mph (6 km/h)	-	■	-				
<input type="checkbox"/> SHIMANO STEPS EP801 Cargo and ENVIOLIO Automatiq electric assist up to 25 km/h (16 mph), ENVIOLIO hub with automatic internal stepless shifting, colour e-drive display, Li-Ion battery 418 Wh, push assist 6 km/h (4 mph)	■	■	■				
<input type="checkbox"/> SHIMANO STEPS EP801 Cargo and ROHLOFF 14 speed electric assist up to 20 mph (32 km/h), ROHLOFF internal gear hub, 36 V Li-Ion battery 418 Wh, push assist up to 4 mph (6 km/h)	■	■	■				
<input type="checkbox"/> Big battery pack SHIMANO STEPS 36 V Li-Ion battery 630 Wh, incl. fast charger with 4 A, upcharge on small battery 418 Wh	■	■	■				

	● Basic configuration	○ Option, no upcharge	■ Option with upcharge	- Not available	GEF	GEL	GES
Drivetrain (continued)							
Pedelec / E-assist systems NEODRIVES							
<input type="checkbox"/> NEODRIVES Z20 and SRAM 30 speed electric assist up to 20 mph (32 km/h), SRAM 30 speed derailleur gearing, 36 V Li-Ion battery 576 Wh, push assist up to 2.5 mph (4 km/h), reverse gear Display position: <input type="checkbox"/> side of handlebar <input type="checkbox"/> above handlebar	-	■	■	-			
<input type="checkbox"/> NEODRIVES Z20 and SRAM 10 speed electric assist up to 20 mph (32 km/h), SRAM 10 speed derailleur gearing, 36 V Li-Ion battery 576 Wh, push assist up to 2.5 mph (4 km/h), reverse gear 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 20 mph (32 km/h), PINION C1.12 front gear box, 36 V Li-Ion battery 576 Wh, push assist up to 2.5 mph (4 km/h), reverse gear Display position: <input type="checkbox"/> side of handlebar <input type="checkbox"/> above handlebar	-	■	■	-			
Accessories							
<input type="checkbox"/> Chainwheel disc instead of chain guard for triple crankset of drivetrain SRAM 30 speed and NEODRIVES, 150 g weight reduction	-	■	-				
<input type="checkbox"/> Short cranks 6.1" (155 mm) instead of 6.7" (170 mm), recommended for riders under 5'7" (175 cm) body height	■	■	-				
<input type="checkbox"/> Crank length <input type="checkbox"/> 4.5" (115 mm) or <input type="checkbox"/> 6.1" (155 mm) instead of 5.3" (135 mm)	-	-	■				
Safety equipment							
Lights							
<input type="checkbox"/> Light wire routing only twin wire routed through the frame for hub dynamo <input type="checkbox"/> for tire dynamo	■	■	-				
<input type="checkbox"/> Lighting system rechargeable Eyro rechargeable headlight B&M Eyro, 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, 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, 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, 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 IQ XS friendly for E-drive headlight B&M IQ XS friendly, up to 80 Lux, rear light B&M Toplight 2C DC, permanent light powered by E-bike battery	■	■	-				
<input type="checkbox"/> Lighting system IQ XS friendly for E-drive headlight B&M IQ XS friendly, 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 for E-drive headlight B&M IQ-X, up to 150 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, both front and back, only with E-drive	■	■	■				

Even more choice for your dream trike:

		● Basic configuration	○ Option, no upcharge	■ Option with upcharge	- Not available	GEF	GEL	GES
Safety equipment (continued)								
Mirrors								
<input type="checkbox"/> Rear mirror B&M E wide view angle, easy to adjust, 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						■	■	■
<input type="checkbox"/> Rear mirror MIRRICLE with barend mounting:						■	■	■
	<input type="checkbox"/> left <input type="checkbox"/> right							
<input type="checkbox"/> Rear mirror MIRRICLE both sides barend mounting left and right						■	■	■
Accessories								
<input type="checkbox"/> Flag HP VELOTECHNIK double-sided print, with reflective strip						■	■	■
<input type="checkbox"/> Horn AIRZOUND XL adjustable 30 – 115 dB, car valve, max. 80 psi,						■	■	-
fits to all standard handlebars diameters								
<input type="checkbox"/> Frame lock AXA Victory with removable key, without chain, black						■	■	■
<input type="checkbox"/> Chain for frame lock AXA Victory length 39.4" (100 cm)						■	■	■
Pedals								
<input type="checkbox"/> Trekking pedals VP 199		●	●	-				
<input type="checkbox"/> Cliplless pedals SHIMANO XT PD-T8000 for normal or SPD shoes		-	-	○				
<input type="checkbox"/> Cliplless pedals SHIMANO XT PD-T8000 for normal or SPD shoes		■	■	-				
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 positive grip, adjustable length						■	■	-
size: <input type="checkbox"/> 8.7"-11" (22-28 cm) <input type="checkbox"/> 10.6"-13.4" (27-34 cm)								
<input type="checkbox"/> Pedals with heelstrap and foot clamp left and right easy entry and positive grip, adjustable length						■	■	●
size: <input type="checkbox"/> 8.7"-11" (22-28 cm) <input type="checkbox"/> 10.6"-13.4" (27-34 cm)								
<input type="checkbox"/> ErgoPedal single sided adjustable position, easy entry straps						■	■	-
size: <input type="checkbox"/> 7.9"-11" (20-28 cm) <input type="checkbox"/> 10.6"-13.4" (27-34 cm)								
<input type="checkbox"/> ErgoPedal single sided adjustable position, easy entry straps						-	-	■
size: <input type="checkbox"/> 7.9"-11" (20-28 cm) <input type="checkbox"/> 10.6"-13.4" (27-34 cm)								
<input type="checkbox"/> ErgoPedal left and right adjustable position, easy entry straps						■	■	-
size: <input type="checkbox"/> 7.9"-11" (20-28 cm) <input type="checkbox"/> 10.6"-13.4" (27-34 cm)								
<input type="checkbox"/> ErgoPedal left and right adjustable position, easy entry straps						-	-	■
size: <input type="checkbox"/> 7.9"-11" (20-28 cm) <input type="checkbox"/> 10.6"-13.4" (27-34 cm)								
<input type="checkbox"/> ErgoPedal with safety release single sided incl. one SPD-pedal SHIMANO PD-A530, adjustable position and release force, joint-friendly freedom of movement +/-3 degrees, easy entry strap						■	■	-
size: <input type="checkbox"/> 7.9"-11" (20-28 cm) <input type="checkbox"/> 10.6"-13.4" (27-34 cm)								
<input type="checkbox"/> ErgoPedal with safety release single sided incl. one SPD-pedal SHIMANO PD-A530, adjustable position and release force, joint-friendly freedom of movement +/-3 degrees, easy entry strap						-	-	■
size: <input type="checkbox"/> 7.9"-11" (20-28 cm) <input type="checkbox"/> 10.6"-13.4" (27-34 cm)								

		● Basic configuration	○ Option, no upcharge	■ Option with upcharge	- Not available	GEF	GEL	GES
Pedals (continued)								
<input type="checkbox"/> ErgoPedal with safety release left and right adjustable position, joint-friendly freedom of movement +/-3 degrees, easy entry straps, higher safety due to adjustable release force,						■	■	-
size: <input type="checkbox"/> 7.9"-11" (20-28 cm) <input type="checkbox"/> 10.6"-13.4" (27-34 cm)								
<input type="checkbox"/> ErgoPedal with safety release left and right adjustable position, joint-friendly freedom of movement +/-3 degrees, easy entry straps, higher safety due to adjustable release force,						-	-	■
size: <input type="checkbox"/> 7.9"-11" (20-28 cm) <input type="checkbox"/> 10.6"-13.4" (27-34 cm)								
<input type="checkbox"/> ErgoPedal with calf brace single sided adjustable position, easy entry straps, leg fixation adjustable in length and position,						■	■	-
size: <input type="checkbox"/> 7.9"-11" (20-28 cm) <input type="checkbox"/> 10.6"-13.4" (27-34 cm)								
<input type="checkbox"/> ErgoPedal with calf brace single sided adjustable position, easy entry straps, leg fixation adjustable in length and position,						-	-	■
size: <input type="checkbox"/> 7.9"-11" (20-28 cm) <input type="checkbox"/> 10.6"-13.4" (27-34 cm)								
<input type="checkbox"/> ErgoPedal with calf brace left and right adjustable position, easy entry straps, leg fixation adjustable in length and position,						■	■	-
size: <input type="checkbox"/> 7.9"-11" (20-28 cm) <input type="checkbox"/> 10.6"-13.4" (27-34 cm)								
<input type="checkbox"/> ErgoPedal with calf brace left and right adjustable position, easy entry straps, leg fixation adjustable in length and position,						-	-	■
size: <input type="checkbox"/> 7.9"-11" (20-28 cm) <input type="checkbox"/> 10.6"-13.4" (27-34 cm)								
Luggage								
<input type="checkbox"/> Rear rack 0.39" (10 mm) tube, black powder coating, max. load 25 kg / 55 lbs						■	■	●
<input type="checkbox"/> Add-on bags for mesh seat 1 pair of bags, attached to backrest, 1 bag water repellent, 1 bag ventilated, capacity approx. 1.4 l per bag						■	■	-
<input type="checkbox"/> Side bag mount mounting for handlebar bags, attached to the seat, maximum load 11 lbs / 5 kg per side, left and right, unmounted						■	■	-
<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						■	■	■
<input type="checkbox"/> Speedometer mount for computers, battery lights etc., incl. sensor bracket for front wheel						■	■	■
<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 0.88 lbs / 400 grams						■	■	■
Weather protection								
<input type="checkbox"/> Trikefender mudguards with excellent side splash protection, 60 mm width in front, incl. 53 mm rear SkS fender						■	■	●
<input type="checkbox"/> Streamer transparent front fairing, incl. installation, not compatible with PINION						■	■	-
<input type="checkbox"/> Transport cover for folded HP VELOTECHNIK trikes, ripstop nylon, blue						■	■	■



Choose the components of your Gekko with ease by using our comprehensive, clearly structured online configurator. Simply scan the QR-Code with your tablet-computer or type into your web browser www.hpvelotechnik.com/produkte/konfigurator

Gekko

		GEF	GEL	GES
<p>● Basic configuration ○ Option, no upcharge ■ Option with upcharge – Not available</p>				
Comfort and ability options				
One-hand operation for brakes and drivetrain				
<i>Surcharge for all drivetrain options, not for STURMEY ARCHER Tripleshift 24</i>				
<input type="checkbox"/> One-hand operation with hydraulic brake includes hydraulic coupled	\$ 489.00	■	■	■
disc brake front, mechanical disc brake with parking brake function rear, mounting the controls: <input type="checkbox"/> left <input type="checkbox"/> right				
<input type="checkbox"/> One-hand operation with mechanical brake includes mechanical coupled	\$ 339.00	■	■	■
disc brake front, mechanical disc brake with parking brake function rear, mounting the controls: <input type="checkbox"/> left <input type="checkbox"/> right				
Standing-up aid				
<input type="checkbox"/> Standing-up aid support with grip for easy entry and exit from the trike,	\$ 99.50	■	■	■
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				
Walking aid mounts				
<input type="checkbox"/> Walking aid mount single sided automatic attachment and easy to	\$ 84.50	■	■	■
operate safety clip, suitable for diameter 20–30 mm Mounting: <input type="checkbox"/> left <input type="checkbox"/> right				
<input type="checkbox"/> Walking aid mount both sides automatic attachment and easy to	\$ 169.00	■	■	■
operate safety clip, suitable for diameter 20–30 mm				
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 HPVELOTECHNIK recumbent	\$ 279.00	■	■	■
trikes with mesh seats, easy opening due to simple ratchet belts, large range of size adjustment, also available as XL version				
<input type="checkbox"/> Chest support belt for optimal upper body support on HPVELOTECHNIK	\$ 279.00	■	■	■
recumbent trikes with mesh seats, easy opening due to simple ratchet belts, large range of size adjustments, also available as XL version				
Hand drive				
<i>mounted on a Gekko fx 26 trike, enclosed drive, height adjustable, length adjustable, adjustable leg rest, optional fully integrated headlight, parking brake, width adjustable hand crank, restricts folding function and choice of options</i>				
<input type="checkbox"/> Hands-On-Cycle with Tripleshift 24 STURMEY ARCHER 3 speed internal	\$ 2,990.00	–	■	–
gear hub with SRAM X4 8 speed rear derailleur, twist shifters				
<input type="checkbox"/> Hands-On-Cycle with ROHLOFF 14 speed internal gear hub, black, twist shifter ...	\$ 4,990.00	–	■	–
<input type="checkbox"/> Hands-On-Cycle with NEODRIVES Z20 and SHIMANO XT10 E-drive up	\$ 6,890.00	–	■	–
to 16 mph (25 km/h), hub motor, 10 gear rear derailleur SHIMANO XT, Li-Ion battery 576 Wh, push assist				
<input type="checkbox"/> Footplate for placing the feet, 1 pair mounted on the leg rest	\$ 309.00	–	■	–
<input type="checkbox"/> Calf brace legs can be fixed, 1 pair mounted on the leg rest	\$ 169.00	–	■	–
<input type="checkbox"/> Indicator lights system WingBling HOC only in combination with electric	\$ 760.00	–	■	–
drive, operable from the handlebar				



The Gekko-family: Nimble, fast-folding 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 \$ 2,850



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 \$ 5,330



Gekko fx 26:
Foldable touring trike with 26-inch rear wheel, for rider size 1.60–2.00 m (5¼'–6½') from \$ 3,490



Gekko 26:
Complete bike with worthy components and 26-inch rear wheel at a very attractive price, for rider size 1.60–2.00 m (5¼'–6½') from \$ 3,190



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 the fifth time 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:

MSRP in US\$ including US duties and shipping to US dealer, excl. local sales tax. Accessory prices are extra. Effective as of July 2023. Images with special equipment. Subject to alterations.

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