

 VELLO





## 04 VELLO STORY

## 06 FOLDING BIKES

- 08 FOLDING BIKE MODELS
- 10 E-BIKE MODELS
- 12 OUR TECHNOLOGY
- 14 FEATURES / INNOVATIONS
- 16 ACCESSORIES



## 20 CARGO BIKES

- 22 MODELS
- 24 OUR TECHNOLOGY
- 26 FEATURES / INNOVATIONS
- 28 ACCESSORIES



# STORY

DESIGNED IN VIENNA  
BUILT IN AUSTRIA



▲ Das VELLO Team

Over the years, VELLO bike has established itself as an independent, international label for innovative mobility products that are "Made in Austria". High-quality components are assembled with great attention to detail for VELLO bikes in Austria's first folding bike production facility in Vienna.



## 2014

The idea for the VELLO bike originated in preparation for a trip to Cuba. The first prototypes were developed, the VELLO® brand was registered, and technical patents followed.

## 2015

VELLO bike wins the Red Dot Design Award, "Best of the Best". Also, after a successful crowdfunding campaign, the production of the first series sees VELLO bike enter the market and establish itself internationally.



## 2017

VELLO bike wins the European Product Design Award. The third generation VELLO bike is launched with the electric version, which is the lightest folding e-bike of its class, compact folding and K.E.R.S-technology.

VELLO brings the first self-charging folding e-bike to market with its VELLO Bike+.



## 2020

VELLO doubles its production and expands its retailer network in Europe and Asia.



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Fischka/Maren Jelef

## 2019

Following the opening of its flagship store in Vienna, VELLO bike presents the ultralight titanium model winning the Good Design Award, the Austrian State Prize for Design, and the German Federal Award for Ecodesign.

## 2023

VELLO continuously expands its product range and launches its first cargo bike onto the market. The innovative design of the VELLO SUB wins Gold at the German Design Awards.




# FOLDING

# UNFOLD YOUR PASSION

FULLY UNFOLDED IN TWO EASY STEPS



 **ULTRALIGHT**  
Starting at 9.9 kg for the standard and 12.9 kg for the electric version

 **SELF-CHARGING**  
Super-efficient energy recovery thanks to K.E.R.S.-technology

 **FAST & EASY FOLDING**  
A patented folding system

 **RIDING PERFORMANCE**  
Monocoque design for maximum stability and safety



# FOLDING BIKES

Whether on cobblestones, parklands or steep side streets, VELLO bikes defy all the odds and rocks with you in the urban jungle.



	ROCKY (CROMO / TITANIUM)	ALFINE (CROMO / TITANIUM)	GRAVEL (CROMO)
FRAME	Chrome-molybdenum steel(CroMo)/Double butted, heat-treated precision tubes or ultra-lightweight titanium frame with CNC machined titanium parts (CroMo steel fork and rear triangle).		Chrome-molybdenum steel/ Double butted, heat-treated precision tubes
SHOCK ABSORBMENT	Shock absorbment with elastomer-magnet folding		
COLOUR	CroMo frame: Anthracite or Titanium frame: brushed silver		Anthracite
HANDLEBARS, GRIPS	Foldable handlebar (VELLO BIKE design) and ergonomic grips		Gravel handlebar
SADDLE	Comfortable saddle Selle Royal, Matrix foam		
SEAT POST	Satori Aluminium 30.9 mm x 500 mm (optional 600mm)		
STEM	Fully adjustable (VELLO BIKE design)		
REAR DERAILLEUR	Shimano Deore XT 10-gears	Alfine gear hub (optionally with 8 or 11 gears)	Shimano 105 Series, 10-gears
GEAR LEVER	Shimano Deore Rapidfire (right)	Alfine 8- or Alfine 11 Rapidfire	STI integrated shift and brake lever from microSHIFT 10-speed
DRIVE	Chain	Low maintenance and clean belt, Gates Carbon Drive	Chain
BRAKING SYSTEM	Maximum braking power with the low-maintenance hydraulic disc brakes		
TIRES**	CroMo-frame: 20" Schwalbe Marathon Original 40-406 or titanium frame: 20" Schwalbe Kojak		20" 2.0 Schwalbe Billy Bonkers Performance 50-406
METERS OF DEVELOPMENT	2,60m - 7,56m	Alfine 11: 1,86m - 7,60m Alfine 8: 1,86m - 5,70m	2,40m - 7,85m
PEDALS	Full aluminium folding pedals		
WEIGHT	ROCKY: 11,9 kg (approx., without pedals +/- 5%) ROCKY TITANIUM: 10,9 kg (approx., without pedals +/- 5%)	ALFINE: 12,9 kg (approx., without pedals +/- 5%) ALFINE TITANIUM: 11,9 kg (approx., without pedals +/- 5%)	12,5 kg (approx., without pedals +/- 5%)
FOLDED SIZE	H: 57 cm x L: 79 cm x W: 29 cm,		65 cm x L: 79 cm x W: 39 cm
LENGTH UNFOLDED	155 cm (61 in)		158 cm (62 in)
MAX. PERMITTED TOTAL WEIGHT	125 kg		

\*\* All VELLO models can be equipped with other tyres at an extra charge.

# ELECTRIC BIKES

The VELLO Bike+ is the lightest and most compact folding e-bike of its class! High-quality components combined with new technology, an exclusive award-winning design, and specially developed innovations guarantee a comfortable ride in the city.

## MOTOR SYSTEM WITH ENERGY RECUPERATION

- **BIKE+ GEARS OR**
- **BIKE+ AUTOMATIC**

Both models are equipped with the ZEHUS motor that offers the unique energy-recuperation technology.

The AUTOMATIC model also integrates the slope sensor, with which the motor automatically finds the optimal cadence. The GEARS model, on the other hand, can be shifted manually.



	BIKE+ GEARS (CROMO / TITANIUM)	BIKE+ AUTOMATIC (CROMO / TITANIUM)
FRAME	Chrome-molybdenum steel (CroMo)/Double butted, heat-treated precision tubes or ultra-lightweight titanium frame with CNC machined titanium parts (CroMo steel fork and rear triangle)	
COLOUR	CroMo frame: Anthracite or Titanium frame: brushed silver	
SHOCK ABSORBMENT	Shock absorbment with elastomer-magnet folding	
HANDLEBARS, GRIPS	Foldable handlebar (VELLO BIKE design) and ergonomic grips	
SADDLE	Comfortable saddle Selle Royal, Matrix foam	
SEAT POST	Satori Aluminium 30.9 mm x 500 mm (optional 600mm)	
STEM	Fully adjustable (VELLO BIKE design)	
REAR DERAILLEUR	VELLO 3-speed Optional: 6-speed system in combination with Schlumpf Speed Drive (1:1.65) or Schlumpf Mountain Drive (2.5:1)	Optional: Schlumpf Speed Drive (1:1.65) or Schlumpf Mountain Drive (2.5:1)
TILT SENSOR	no (manual shifting)	yes (electronic gears)
DRIVE	chain	Low maintenance and clean belt, Gates Carbon Drive
BRAKE SYSTEM	Maximum braking power with the low-maintenance hydraulic disc brakes	
TIRES	CroMo-frame: 20" Schwalbe Marathon Original 40-406 or titanium frame: 20" Schwalbe Kojak 35-406	
METERS OF DEVELOPMENT*	3,78m - 6,40m (3-gears version), 3,54m - 10,54m (6-gears Speed Drive) 1,54m - 6,40m (6-gears Mountain Drive)	4,77m (Standard), 4,77m - 7,15m (Speed Drive), 1,91m - 4,77m (Mountain Drive)
PEDALS	Full aluminium folding pedals	
GEAR LEVER	Shimano Deore Rapidfire (right). Optional: Schlumpf Drive gears in the bottom bracket.	Optional: Schlumpf Drive gears in the bottom bracket
WEIGHT	14,4 kg CroMo-frame, 13,4 kg titanium frame (approx., without pedals +/- 5%) +900 gr. for the variants with Speed Drive or Mountain Drive	13,9 kg CroMo-frame, 12,9 kg titanium frame (approx., without pedals +/- 5%) +900 for the variants with Speed Drive or Mountain Drive
FOLDED SIZE	H: 57 cm x L: 79 cm x B: 29 cm,	
LENGTH UNFOLDED	155 cm	
MAXIMUM PERMISSIBLE WEIGHT	125 kg	

# OUR TECHNOLOGY

## MOTOR WITH RECUPERATION

Entering the age of connected vehicles, the VELLO Bike+ uses the latest K.E.R.S.-technology to merge the advantages of connectivity and energy recuperation with a self-charging mode.

## BIKE+ AUTOMATIC WITH AUTOMATIC ELECTRONIC GEAR SHIFTING

Thanks to the slope sensor, the motor senses any change in gradient to give the power needed at the right time and thereby adjusting the cadence automatically.

## BIKE+ GEARS WITH DERAILLEUR

It has a 3-speed cassette, which can be changed manually with the Rapidfire shifter, thereby offering the ultimate gear versatility to keep you flexible for all adventures.

## ALL BIKE+ MODELS CAN BE COMBINED WITH AN ADDITIONAL 2-SPEED MECHANICAL GEARS SYSTEM

Schlumpf-gear-transmission either for more speed or for steeper slopes:

- Schlumpf Speed Drive for more speed: The VELLO Bike+ can be equipped with a Schlumpf Speed Drive. That means, mechanically, you can ride faster than 25km/h (40 mph) with a comfortable cadence. The ultra-flat planetary transmission is mounted on the bottom bracket and has a transmission ratio of 1:1.65.
- For steeper slopes up to 17%: We recommend the Schlumpf Mountain Drive (planetary transmission on the bottom bracket) with a transmission of 2.5:1.

## HIDDEN POWER ON OUR E-BIKE

The motor-hub combines all in one: the drive, battery, sensors, and a Bluetooth connection. Speed is up to 25 km/h with the 250 W (40 Nm) motor. Extend your range exponentially in self-charging mode on the Bike+ AUTOMATIC. The range in turbo mode is up to 50 km for both models.



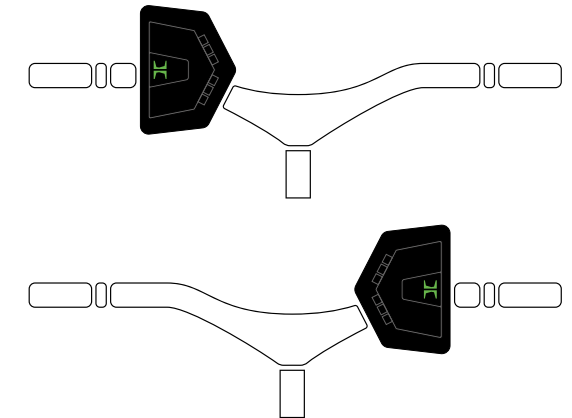
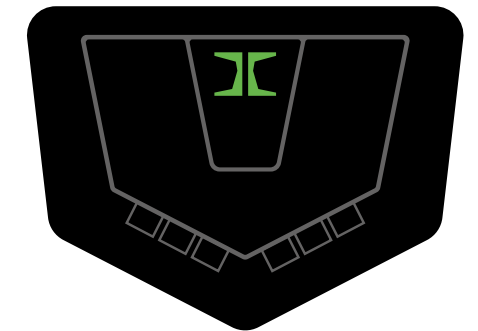
- 1 Connect with the smartphone via Bluetooth 5.1 (free app) or per remote control
- 2 Sensors, 100-Hz vehicle control. Bike+ AUTOMATIC with automatic electronic gear shift thanks to the slope sensor
- 3 Integrated battery pack with smart BMS. More than 50km (31mi) in turbo mode, 173 Wh, <1kg
- 4 High-efficiency BLDC motor with regenerative braking and self-charging K.E.R.S.-technology. 250 Watt/40 Nm.
- 5 Motor-Battery-Sensors: ALL IN ONE motor, no cables on the frame. Total weight: 3.2kg

## SMARTBIKE

Connect your VELLO bike to your phone and customise your riding experience. You can choose between using your own phone or the wireless remote control to control the motor. Activate the regenerative braking, get an extra boost when needed, turn the system on/off and switch between power modes.



Representation of the app for the Bike+ AUTOMATIC (status 2023)..



- 1 Motor power
- 2 Speedometer
- 3 Slope indication in % (only AUTOMATIC)
- 4 Battery level
- 5 Distance
- 6 Power mode

\*The slope indication in % is only relevant for Bike+ AUTOMATIC models.



# FEATURES

## USER-CENTERED DESIGN, UNISEX

A monocoque frame with full-size frame geometry allows customisations. The VELLO bike frame was developed so that various components, including those from third-party manufacturers, can be used.

## RIDING WITH COMFORT

Tool-free adjustable saddle height ❶ and handle-bar ❷ to fit all riders between 150-195 cm (4'9"-6'3" ft).

## MAXIMUM SAFETY

❸ Hydraulic disc brakes for responsive braking  
❹ Integrated magnetic lights or hub dynamo for better visibility.

## READY FOR ALL WEATHER CONDITIONS

❺ Folding mudguards and ❻ clean belt drive.

## SUITABLE FOR TRAVEL WITH LUGGAGE

❼ Foldable rear luggage rack and mount for a bag front rack.



# AND INNOVATIONS

IN-HOUSE DEVELOPMENTS & PATENTED FEATURES ON THE VELLO BIKE



## SELF-LOCKING MAGNET RELEASE & SUSPENSION ALL IN ONE

A magnet connects the rear wheel to the main frame and holds the frame tightly and securely.



## FOLDING HANDLEBAR

Foldable handlebar to save space and fatigue testing according to the MTB standard.



## MAGNETIC SAFETY LIGHTS

Rechargeable safety lights for better visibility on the roads.



## FOLDING MECHANISM

Unique and rapid folding solution that provides optimum driving dynamics and stability. The chain/belt tension remains unchanged during folding.



# ACCESSORIES



### WIRELESS REMOTE CONTROL FOR MOTOR

The wireless remote control can replace control via smartphone. In addition to the display of the speedometer, the status of the battery and motor support, you get an extra boost with the click of a button..



### HIGH FRONT STEM-

This high front stem is recommended for people over 185 cm/6 feet or those who prefer a more upright and comfortable riding position.



### VELLO REAR RACK

VELLO's rear pannier can hold up to 25kg and does not get in the way of folding. Ideal for touring!



### VELLO DAYPACK BLACK EDITION

Practical daypack with a detachable shoulder strap and carrying handle. Made of water-repellent material with a reflective VELLO logo print on the front, practical inner compartment, key carabiner and zipped front pocket. The main compartment in the rolltop version has a click closure. There are four velcro straps for quick mounting on the VELLO front carrier. Dimensions: approx. 38x26x19cm.



### VELLO WITH SON HUB DYNAMO

Edelux II headlight in alu, natural: with the Edelux II, the road is illuminated with a very long and wide cone of light without blinding oncoming traffic.



### VELLO MAGNETIC LIGHTS

VELLO's magnetic adapters are equipped with compact, bright LED front and rear lights. The lights are lightweight and compact, have five different light modes, and offer side visibility for extra safety.



### VELLO FRONT CARRIER

A practical front carrier with a quick-release adapter (removable). The rack does not affect the folding or steering of the VELLO bike and holds up to 12kg.



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A practical front carrier with a quick-release adapter (removable). The rack does not affect the folding or steering of the VELLO bike and holds up to 12kg.



### VELLO MUDGUARDS

Remain well protected against the wet and dirt with these fully foldable VELLO mudguards.



### VELLO SEAT POST LONG

For people over 185cm/6 feet, we recommend equipping the VELLO bike with the longer stem and this extra-long 600mm seat post.



### VELLO SEAT POST SHORT

For people under 155cm/5 feet, we recommend equipping the VELLO bike with this extra-short 500mm seat post.









# GO URBAN – GO LIGHT

## VELLO SUB - LIGHT, COMPACT AND FOLDABLE

The Smart Utility Bike is the world's lightest e-cargo bike. Thanks to the foldable handlebar and foldable pedals, the VELLO SUB can be reduced to a width of only 29 cm/11.4 inches and a height of 85 cm/33.4 inches - perfect for safe storage at home or in the office. As it's only 180 cm/5.9 feet long, it will easily fit anywhere there, where a regular bike would also find a place.



### ULTRALIGHT

The lightest e-cargo bike on the market from 24 kg (52.9 lbs). Urban mobility to take along and ride!



### WIDE RANGE OF ACCESSORIES

A variety of different accessories for every transportation need.



### STRONG

Total permissible weight: 210 kg (463 lbs)



### BOSCH E-TECHNOLOGY

Dual battery system ready for up to 250 km (155 miles) range.

# SUB SMART UTILITY BIKE



The VELLO SUB is one of the lightest longtail e-cargo bikes on the market.

The low centre of gravity with its 20-inch wheels paired with a robust steel frame makes the ride stable and easily manoeuvrable, even when fully loaded. The powerful electric motor and the large battery capacity enable everyone to perform everyday tasks in a relaxed manner.

The SUB is lightweight and can be lifted effortlessly over stairs. Those who do not want to cycle the whole distance can simply switch to another means of transportation, such as the metro, or place it into the boot of a car. The standard 180 cm/5.9 feet length and foldable elements allow the VELLO SUB to be taken along easily.

Another plus: the VELLO SUB can be adapted without the use of tools and equipped with accessories for any purpose, such as for transporting children or for shopping.

	SUB	SUB TITANIUM
FRAME	Chrome-molybdenum steel/Double butted, heat-treated precision tubes	Ultra-light titanium frame with CNC titanium milled parts
COLOURS	Blue or copper	Brushed titanium
SADDLE	Comfortable Selle Royal saddle, Matrix foam with carrying handle	
WEIGHT	28 kg	Singlespeed: 24 kg With gears: 26 kg
MOTOR	Powerful Bosch Cargo Line motor (Smart System)	
SMARTPHONE APP	Yes	
DUALBATTERY-READY	Yes	
BRAKES	Easy-grip Magura MT5, 4-piston hydraulic disc brakes	
GEAR SHIFT	Heavy Duty Enviolo SP	Gears version: Heavy Duty Enviolo SP
DRIVE	Clean and low-maintenance Gates Carbon Drive CDX	
FRONT/ REAR LIGHT	Supernova	
BRAKE LIGHT	Yes	
MIK-HD TOOL-FREE MOUNTING OF ACCESSORIES	Yes	
CAPACITY PASSENGER TRANSPORT	Two child seats or one passenger (up to 100 kg)	
MAXIMUM PERMISSIBLE WEIGHT	210 kg	





# OUR TECHNOLOGY

## POWERFUL BOSCH ELECTRIC MOTOR

With the VELLO SUB, you'll cover long distances with ease - the powerful Bosch electric motor with Dual-Battery - creates a range of up to 250 km (top speed, EU version, of up to 25km/h).

The VELLO SUB is also equipped with the latest Bosch Smart System, which includes a remote control in the cockpit and a free smartphone app.



## STRONG CARGO MODE

Cargo mode is designed for the special requirements of eCargo bikes. It brings the maximum power - with 400% of your own power.

## SAFE AND COMFORTABLE HANDLING

Auto mode automatically adjusts the assistance while riding.

## SMART PUSH ASSIST AND HILL HOLD

The push assist and the automatic rollback protection help to maintain control even when pushing.



## SMART SYSTEM

The app allows full customisation to your preferences and includes such features as:

eBike Alarm - for better protection against theft through audible and visual alarms on your smartphone, as well as a tracking function.

eBike Lock - is the digital key for locking and unlocking the VELLO SUB navigation and route planning tailored to your preferences.

Over-the-air updates - to keep you informed about the latest functions.

Individual riding modes - according to your needs (Race, Cargo, Turbo, Auto, Sport, Tour, and Eco), whether for more support or less power consumption to go even further.



# FEATURES

## COMPACT ALL-ROUNDER

Thanks to the short standard length of 180 cm/5.9 feet, it can be easily transported using public transport and reduced to a width of 29 cm/11.4 inches without tools through its foldable pedals and handlebar.

## SECURE POWERHOUSE

The SUB is as powerful as much larger and heavier cargo bikes and offers space for up to two people and a front carrier. The total permissible weight is 210 kg/462.9 lbs. Our e-bikes are certified for pedelecs according to EN 15194 and comply with the required safety regulations of the European Union.



# AND SPECIAL FEATURES



## EXCELLENT BRAKING CHARACTERISTICS

The hydraulic brakes with the four-piston system from Magura ensure optimum braking performance.



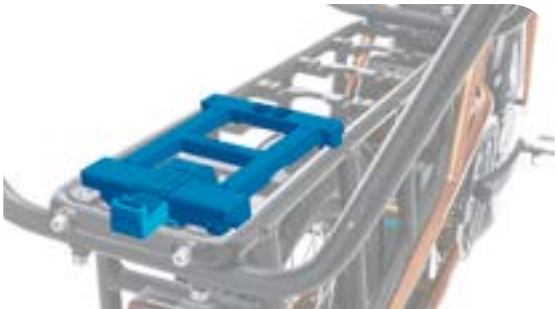
## OPTIMAL VISIBILITY

For maximum safety at night: the integrated Supernova lighting ensures good visibility.



## FOR THE WHOLE FAMILY

Thanks to the height-adjustable handlebar and the different seat posts, the bike fits everyone between 150 cm and 200 cm. The VELLO SUB can also be easily adjusted to the perfect riding position (more upright or sportier)..



## CUSTOMISED MOBILITY

The quick-change MIK-HD system makes it possible to change the configuration of the VELLO SUB quickly and easily without the need for tools. The child seats and cargo baskets can be quickly mounted and removed with a safety locking system.



# ACCESSORIES



The SUB is the VAN for all needs and is compatible with MIK and MIK-HD accessories. It allows for the toolless attachment of up to two child seats, transport boxes and other accessories.



### SUB FOOTBOARD

The board complements the SUB COOL KID BOX perfectly. Children, as well as adults, can place their feet comfortably on the flat pads.



### SUB COOL KID BOX

There is plenty of space to take up to two children or one adult passenger in the SUB COOL KID BOX. Up to two child seats can be fitted using the MIK-HD system. The upholstery ensures a high level of seated comfort.

When needed, the cargo area can be freed up in seconds to accommodate the transport of heavier goods. The cargo area size is made to fit a Euro container.



### GEL SADDLE WITH HANDLE

This saddle offers additional seating comfort through greater cushioning. The built-in carrying handle makes it easy to lift the SUB..



### SUB CARGO CARRIER

The SUB is available with a frame-mounted cargo carrier (load capacity up to 22 kg/49 lbs) and a detachable VELLO front carrier (load capacity up to 12 kg/26 lbs). The VELLO front carrier can be easily removed without any use of tools.



### SUSPENSION SEAT POST

Sit even more comfortably with the suspension seat post! The maximum weight limit of the rider is 125 kg/275.5 lbs. This suspension seat post is also suitable for the VELLO folding bike.



### ADJUSTABLE STEM

The quick-release lever enables the stem angle to be fully adjustable for the perfect sitting position.



### SUB HITCH

This all-round hitch is compatible with a wide range of trailers.



### SUB CARGO BAG

The Sub cargo bag is a waterproof, durable all-purpose bag with a carrying capacity of up to 60 litres.



# WHAT'SUB

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# VELLOBIKE

At VELLO, we are committed to a sustainable future and actively contribute to minimising the negative impact of road traffic on the environment. With our bikes, we create the conditions for a future that makes us less dependent on limited resources. The VELLO Bike is produced in a resource-saving way with recyclable materials in the middle of Vienna.

MANUFACTURER'S WARRANTY  
5 years warranty on frame and fork with registration via the VELLO website.



VELLO bike has been awarded with:





# HELLO VELLO

GO URBAN, GO LIGHT!

Our retail partners invite you to take a  
test ride!

Any questions?

Write us an e-mail or give us a call! We  
look forward to meeting you!

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