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The HASE BIKES power trike with superior comfort KETTWIESEL EVO STEPS: high-tech trike for asphalt surfing

Specialised bike manufacturer HASE BIKES is introducing its KETTWIESEL EVO STEPS as a top-of-the-line model that sets new standards across the board: the full-suspension, fun-to-ride trike with e-drive system and automatic gear shifting boasts an unprecedented level of riding comfort.

The EVO STEPS from HASE BIKES is a direct descendant of the classic KETTWIESEL. This means: the rider sits between three 20-inch wheels, and a fun riding experience is guaranteed – thanks to the low centre of gravity, light weight and playful agility. In 2015 the company updated the design of its classic trike. One IMPORTANT new feature: independent rear-wheel suspension. This system turns the KETTWIESEL into a comfort trike. The 2017 KETTWIESEL EVO has taken this comfort one step further – quite literally. With the Steps motor and Di2 electronic shifting system, both from Shimano, pedalling is even easier, and shifting requires no effort whatsoever.

Hybrid harmony

The Shimano mid-motor is inconspicuously integrated into the bottom bracket. Bike designer and company founder Marec Hase adapted the motor's control system to the KETTWIESEL's 20-inch wheels. It harmonises perfectly with the rider: when pedalling, it feels like the energy is coming from your own legs – but with much more power and less exertion. As a "pedelec", the EVO STEPS requires no registration or driving licence



because, in most countries, the trike is legally classed as a bicycle – with all of the advantages in traffic, such as the use of bike paths and the freedom to ride past traffic jams. The robust eight-speed hub under the fully adjustable ergonomic seat is a perfect, maintenance-free counterpart to the motor. It transmits torque to the differential unit, which drives both rear wheels. This is why the EVO has no problem maintaining traction when riding over slippery or loose surfaces – even on slopes where other vehicles capitulate.

However, the ultimate in riding comfort is the Di2 shifting system from Shimano, a standard feature on the EVO. Gears can be shifted with the touch of a button – electronically. As a result, there are no gear cables, which otherwise require maintenance and adjustment. And you can even let the Di2 do the shifting for you: it can be set to change gears automatically so that you can focus on the ride and the scenery. This clever control system even learns over time, adapting to the rider's preferences.

High-quality engineering in every detail

The disc brakes guarantee superior stopping power, and there are other technical goodies everywhere you look. With the quick-adjust mechanism, the length of the front boom can be adjusted to a new rider without having to change the chain length. For transport, it only takes a few minutes to fold the EVO to a size that fits into practically any hatchback. And the numerous optional accessories from HASE BIKES transform the trike into a wonder of multifunctionality. For example, the ingenious ROLLER BAG that hangs behind the seat can haul a week's worth of groceries for the family. It doubles as a wheeled shopping basket and is available in two versions: 50 or 100 litres. Too good to be true? Not for HASE BIKES. The company has earned a reputation for combining head-turning design with real-world practicality and convenience.

Specifications:

Total length:	69"–87" (176–221 cm), without front wheel 60" (153 cm)
Total width:	35" (90 cm)
Total height:	32" (82 cm), with seat folded down: 21" (53 cm)
Turning circle:	left 10'10" (3.30 m), right 11'6" (3.50 m) at mean length adjustment



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Seat height:	19½" (50 cm)
Bottom bracket height:	20½" (52 cm)
Size when folded:	38" x 35½" x 19" (96 x 90 x 49 cm)
Wheelbase:	52"-70" (132-178 cm)
Frame:	7046 aluminium
Fork:	Spinner Grind 1 suspension fork
Front boom:	6061-T6 aluminium
Max. load:	265 lb (120 kg)
Features and equipment:	
Suspension:	HASE BIKES EVO independent wheel suspension with sway bar and HASE BIKES air shocks
Folding mechanism:	HASE BIKES folding joint
Brakes:	Rear: Tektro Auriga Twin hydraulic disc brakes with integrated parking brake, Front: Avid BB7 mechanical disc brake with parking brake lever
Wheels:	20", Hubs: HASE BIKES QUICKSTICK (rear), Rims: double wall with eyelets, Spokes: Sapim, Tyres: Schwalbe Marathon 47x406
Gears:	Shimano Alfine Di2 8-speed gear hub
Crankset:	Shimano Steps 170 mm 38 tooth
Drive system:	HASE BIKES Differential
Lighting system:	motor battery, B&M Toplight Flat Plus, Headlight: Busch & Müller Lumotec Lyt, LED, standlight
Fenders:	SKS matte black
Weight:	71.7 lb (32.5 kg)
Colour:	frame with matte RAL 7023 Concrete Grey powder coating, front boom black anodized with length-adjustment markings
Price:	from approx. €7,499.00

Pictures:

Note: The following photos can be downloaded in high-quality format via this link:

<http://www.amedes.de/ftp/hasebikes/EvoSteps.zip>

HASE **BIKES**

PRESS RELEASE



Suspension, e-motor, automatic shifting: the new KETTWIESEL EVO STEPS



Motorised, full-suspension cornering machine with exhilarating performance:
the KETTWIESEL EVO STEPS

About HASE BIKES

Since 1994 company founder Marec Hase has been developing innovative tandems and recumbent bikes and trikes that offer exceptional practicality and versatility, along with unparalleled riding fun. The KETTWIESEL “cornering machine” has since attained cult status, and the versatile PINO tandem is not only a beloved family taxi and cargo bike, but also the most widely used touring tandem in the world. The HASE BIKES manufacturing facility, with more than 40 employees, is situated on the historical grounds of the former coalmine Zeche Waltrop in the famous German Ruhr district. Information on the latest HASE BIKES specials and the ideas behind its vehicle designs can be found at www.hasebikes.com. The German version of the website links to the informative HASE BIKES BLOG.