



TEKTRO E-DRIVE 9

9-SPEED SHIFTING SYSTEM SPECIFICALLY DEVELOPED FOR E-BIKES

TEKTRO E Bike Solutions introduces a new drivetrain category in cooperation with Conway.

With the E-DRIVE 9, TEKTRON opens their latest product segment in the E-Bike Solutions category with a 9-speed drivetrain system for entry-level e-bikes.

The highlight: a 9-speed cassette where the smallest three sprockets – 11-13-16 – can be easily exchanged and a derailleur with a clutch mechanism for higher chain tension.

TEKTRO E-Bike Solutions started in 2017 in response to the first customer requests for a more robust brake systems for e-bikes. The solution was the new 2.3 mm thick brake disc standard used in the TRP DHR EVO brake systems. In 2019, the new TRP shifting segment was launched with the DH7 and TR12 rear derailleurs. The valuable experience gained over the last three years has helped to shape the development of the TEKTRON ED9.

Again, the impetus came from customers, who were looking for a more robust and low-wear shifting solution, especially for entry-level e-bikes. The E-bike boom and COVID-19 are bringing an excessive number of beginner riders onto entry level E-bikes, and TEKTRON Europe's research with end users has brought the following challenges clearly to light:

- Extreme chain and cassette wear - especially on the smallest sprockets
- High service and replacement costs for the customer after only a short time / few kilometres ridden
- Beginners often change gears much less – especially with the “semi-automatic shift” engine stages
- Stopping at traffic lights in turbo mode and starting again on the smallest sprockets
- Low transmission bandwidth is compensated on the uphill by the engine

“Daily use E-Bikes are subjected to a similar amount of intensity as the bikes of World Cup racers.”

TEKTRO | TRP Development Engineer Louis Tsai



TEKTRO ED9 E BIKE SOLUTION

The ED9 shifting system was implemented in close cooperation and coordination with Conway and its development team. The first Conway models with the new TEKTRO ED9 shifting system and cassette will go on sale as early as February 2022. The TEKTRO ED9 system consists of the 9-speed E-Drive rear derailleur, the corresponding shift lever, and the matching 9-speed cassette with an 11-46 range. It is only offered as original equipment for bike manufacturers.

SOLUTIONS

- Cassette 11 - 46
- 11-13-16 sprockets interchangeable - lower service costs
- Significantly lighter gears with 46 sprocket - more fun uphill
- Higher cadence and better power support for the motor
- 9-speed rear derailleur with TRP non-adjustable clutch for optimized chain tension
Technology TRP TR12 and DH7 (Ratchet / Clutch - System)

BIKE MODELS

Conway Cairon - 2022





Specially developed brake systems and more robust parts for all types of e-bikes.



SPECIFICATIONS



TEKTRO ED9 Rear Derailleur

Model	RD-M350 and RD-T350
Speed	9
Max. Cog	46
Clutch	RD-M350 (Yes) RD-T350 (No)
Weight	RD-M350 (361g) RD-T350 (344g)
Pulleys	12T
Cage Material	Steel



TEKTRO ED9 Shifter

Model	SL-M350-9R
Speed	9
Max Multiple Shifts (Advance Lever)	Max. 3
Weight	105g
Advance Lever Material	Aluminum and PA6



Cassette

Model	CS-M350-9
Speed	9
Range	11-46T
Cog Material	Steel
Lockring Material	Steel
Weight	545g
Combination	11-13-16-20-24-28-34-40-46

Specifications subject to change without notice.

Service information can be found at:
www.tektron.eu

ABOUT TEKTRO

In 1986, three friends Gary Chen, Leo Chen and Aver Tsai founded TEKTRO with 20 employees in Changhua, Taiwan. The first factory was about the size of a basketball court. Their business values drove their success: custom solutions, reliability, and production automation for the highest level of quality. In 1999, TEKTRO launched its first hydraulic disc brake, which is still the companies most successful and important product. Today, TEKTRO has production facilities in Taiwan and China with over 1,600 employees to provides sales and service in Taiwan, China, Europe, and the USA.