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**Fourstroke AMP LT**

Amplified Progress

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## Fourstroke Family



### **One DNA, four distinct personalities.**

Fourstroke AMP LT is part of the all-new Fourstroke family; which is designed to satisfy the demands of every rider type.

Each model shares the same **medal-winning frame**, redesigned from the ground up to feature revolutionary core elements: an **all-new suspension system**, updated geometry, and **improved design to fit 2 bottle cages**.



**FOURSTROKE**

The revolutionary Fourstroke frame is the unifying element of the new line-up.



FOURSTROKE  
01



FOURSTROKE  
LT



FOURSTROKE  
AMP LT

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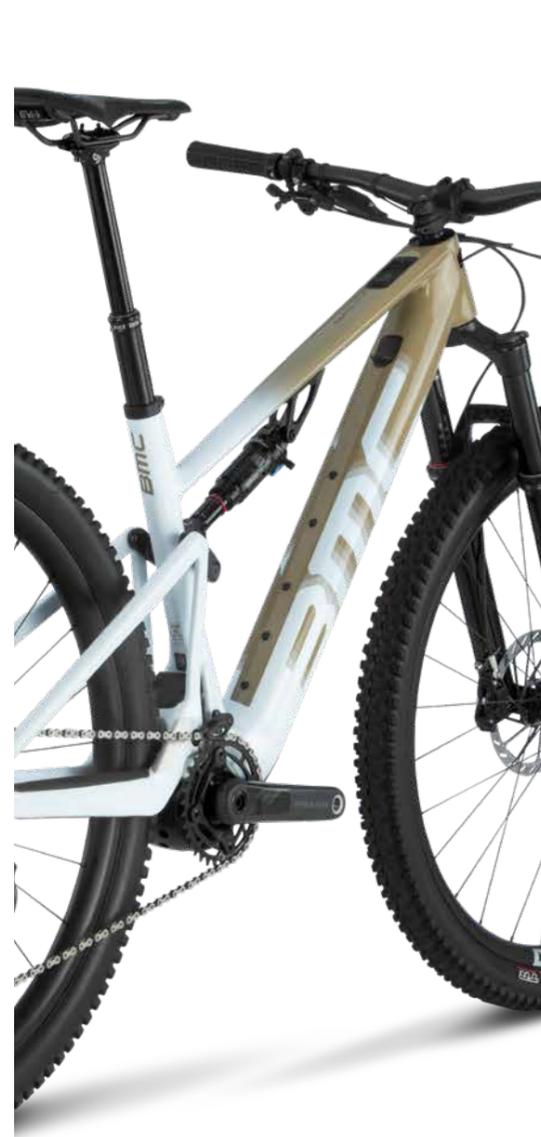
# Updated Technologies



**New APS  
Suspension System**



**Redefined Geometry**



**New Design**



**2 Water Bottles  
Compatibility**



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# Fourstroke AMP LT

Built to perform on every terrain, this advanced XC performance machine amplifies the trail game.

## Hidden Power

Level up with hidden power thanks to the TQ-HPR50 drive unit. Powerful, light, and compact, it is seamlessly integrated into the frame for an uncompromised look and natural ride feeling. It also features a harmonic pin-ring transmission, 360 Wh battery, 2" fully integrated display, and minimalistic handlebar remote.

## New APS Suspension

The new 120 mm dual-link suspension travel offers next-level kinematics tuning and best-in-class suspension performance to deliver full traction, great efficiency, and active suspension on every terrain.

## Redefined Geometry

The Big Wheel Concept Race geometry enables a fast and progressive riding style to attack the steepest and loosest courses with an improved 66.5° head angle, a steep 77° seat tube angle, a lowered bottom bracket, and a long front-end.

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## Fourstroke AMP LT

### Go Long

Versatile by design, this long-distance performance player lets riders carry speed with confidence on technical trails. It has been optimized to fit two water bottles, or a Range Extender and a water bottle, for extended support. 60 mm tire clearance allows to fit 2.4" Maxxis Rekon tires with EXO protection.

### Dropper Post

Fourstroke AMP LT features a standard seat tube that uses classic 31.6 mm dropper posts for extended versatility and optimization.



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# Updated APS Suspension System



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# Traction is Speed



**More traction equals more speed**, and that is what BMC is after.

The updated **APS Suspension System** features **next-level kinematics** and best-in-class suspension performance designed to deliver **full traction** and **great efficiency** on every terrain. Resulting in faster times, this new and improved full suspension system finds no match on the race-course.

# Advanced Pivot System – the best tool for the job

- Using APS, BMC engineers have access to a versatile suspension system with the ability to design complex kinematics that could not be achieved using weight-driven solutions like flex stays and single-pivot suspension systems.
- APS features a virtual rear suspension pivot through the rear wheel travel, which is defined by upper and lower link and the resulting 4 pivots.
- APS allows BMC to fine-tune the suspension kinematics to provide an incredibly dynamic suspension behavior across the travel.

## Uphill Traction:

The anti-squat tuning featured on Fourstroke decreases along the travel, preventing chain growth when hitting obstacles; this allows the suspension to compress smoothly and track the terrain for perfect traction.

Once the suspension starts extending again, the anti-squat value rises to keep the wheel tracking the terrain, significantly increasing the grip.

## Downhill Flow:

APS keeps the suspension active when the going gets tough by reducing pedal-kickback deep in the travel and preventing negative influences during braking.

## Improved Suspension Progressivity

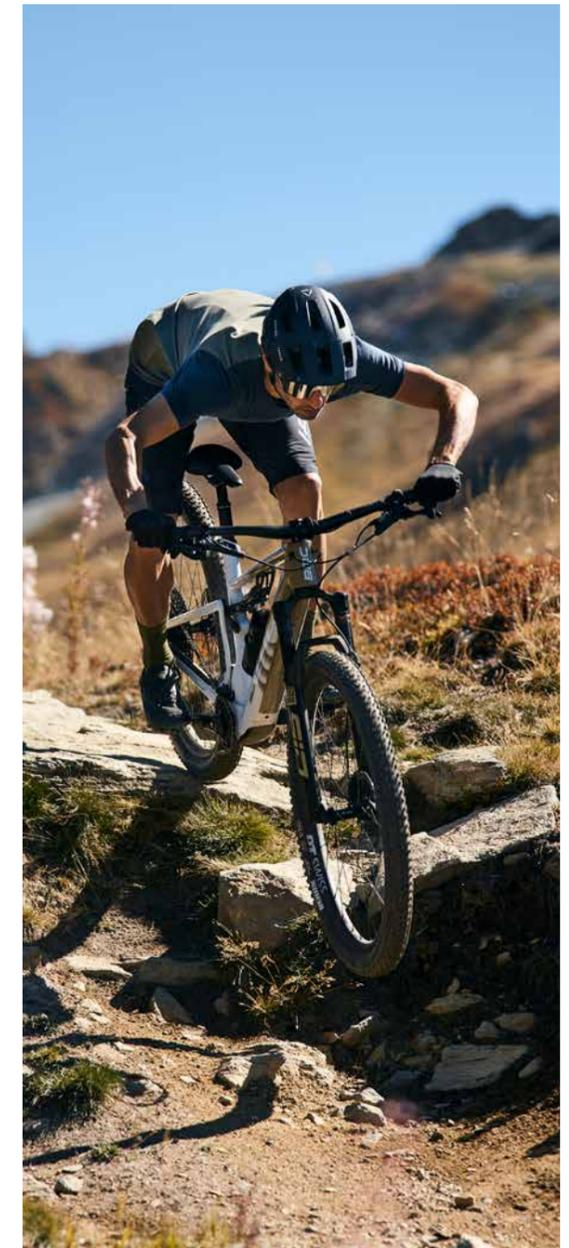
The updated Fourstroke kinematics and all-new shock tune provide a progressive spring curve, delivering a superior ride experience in any riding situation.

- Small bump sensitivity
- Support in rough conditions
- Bottomless feeling
- More predictable airtime behavior

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## The Winning Edge

Extensive testing shows that the **Fourstroke** and **APS** suspension are **faster** than lighter bikes that feature weight-saving suspension systems, proving that superior traction and pedaling efficiency are more important than weight.



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# Redefined Geometry



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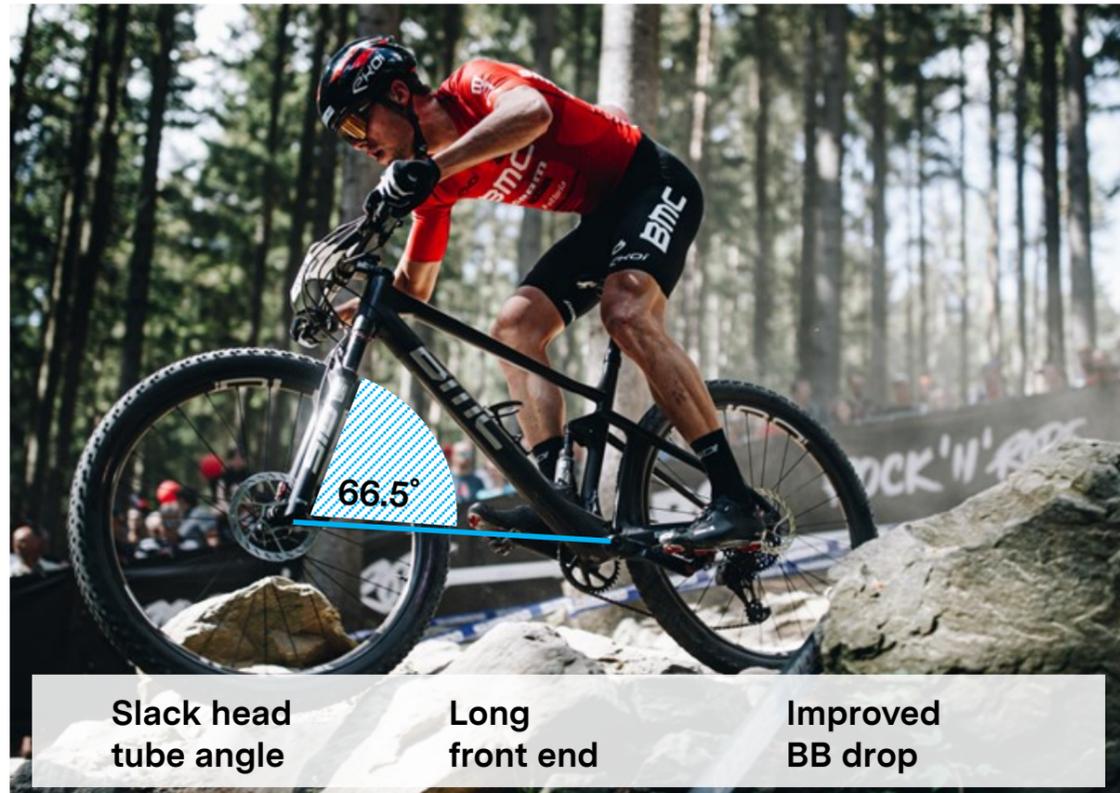
# Progressive Capabilities

Meet the progressive **Big Wheel Concept Race** technology.

In 2018 BMC re-defined XCO geometry and set the scene for a new breed of racing machines.

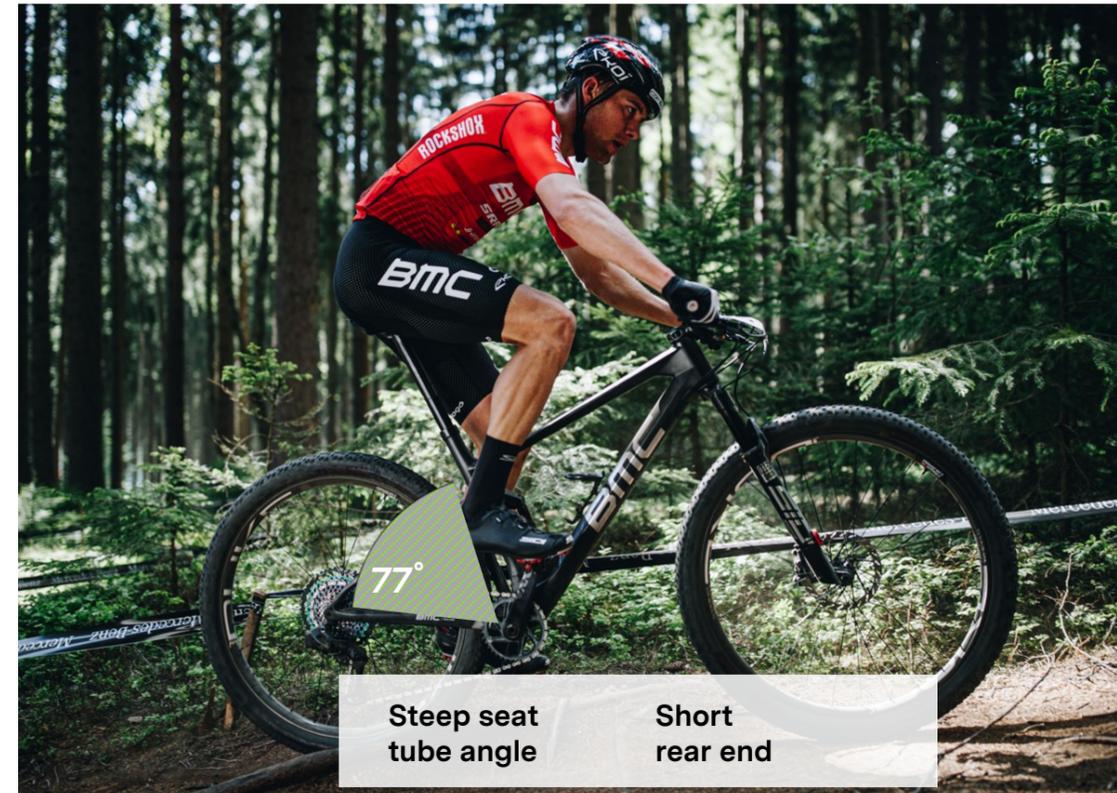
The all-new Fourstroke family provides the next evolution of BWC Race technology to push XCO geometry further with **progressive refinements** that improve the rider position for **better power transfer** and **traction on steep terrain** while **expanding the descending capabilities**.





## Slack Head Angle

BWC Race is tailored to a fast and progressive racing style designed to attack the steepest and loosest courses with the improved 66.5° head angle and a long front end. The lowered bottom bracket provides extra agility on tight corners.



## Steep Seat Tube Angle

The 435mm short chainstays deliver power with proven traction on the most technical sections. The steep 77° seat angle puts the rider in a more central position to attack steep sections with perfect weight distribution.

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# Design Boost



## Go Long

BMC took note of the feedback from its athletes to expand the scope of the frame to multi-day events.

Fitting two water bottles was a no-brainer, but it led to rethinking the whole frame.



## Uncompromised Performance

The Fourstroke AMP LT features a re-design to accommodate **two water bottles** in the main triangle without compromising performance and functionality.



Fourstroke AMP fits 2 standard bottles (< 550 ml) in side-entry bottle cages or a Range Extender and Standard Bottle (< 550 ml) \*

\* SMALL size fits Range Extender or Standard Bottle (< 550 ml) + Small Bottle (< 350 ml)

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# The TQ-HPR50 System

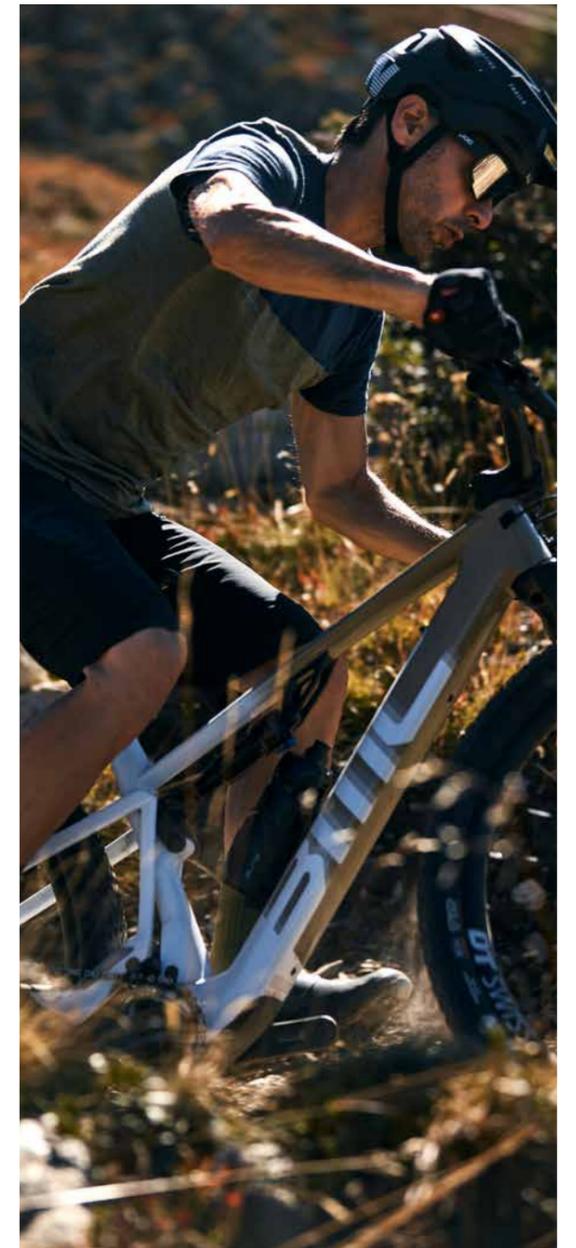


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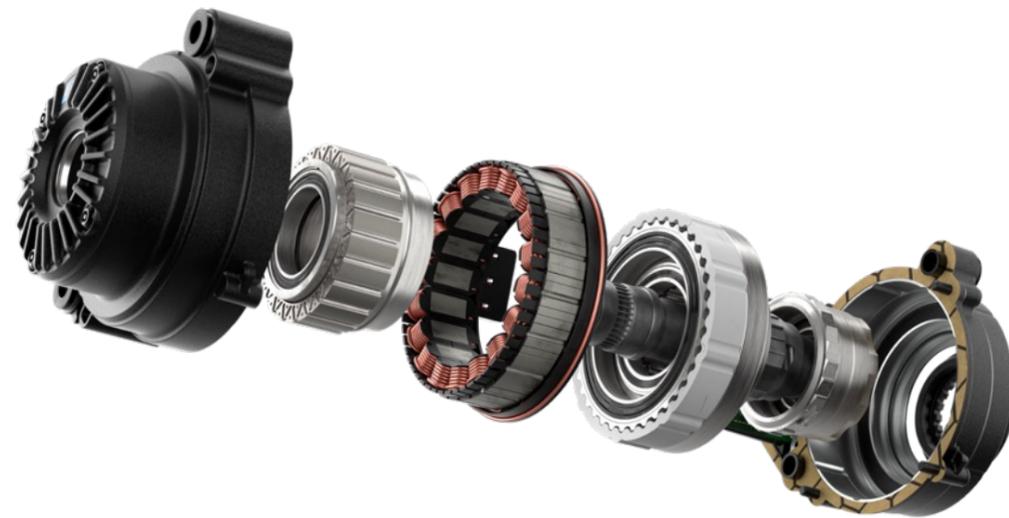
## Hidden Power

BMC is one of the first brands to use **this entirely new system** on the brand-new Fourstroke AMP LT series.

The trailblazing TQ-HPR50 system provides a **powerful, light, and near-silent** drive unit **seamlessly integrated** into the frame for an **uncompromised look and natural ride feeling**.



## Natural Ride Feel

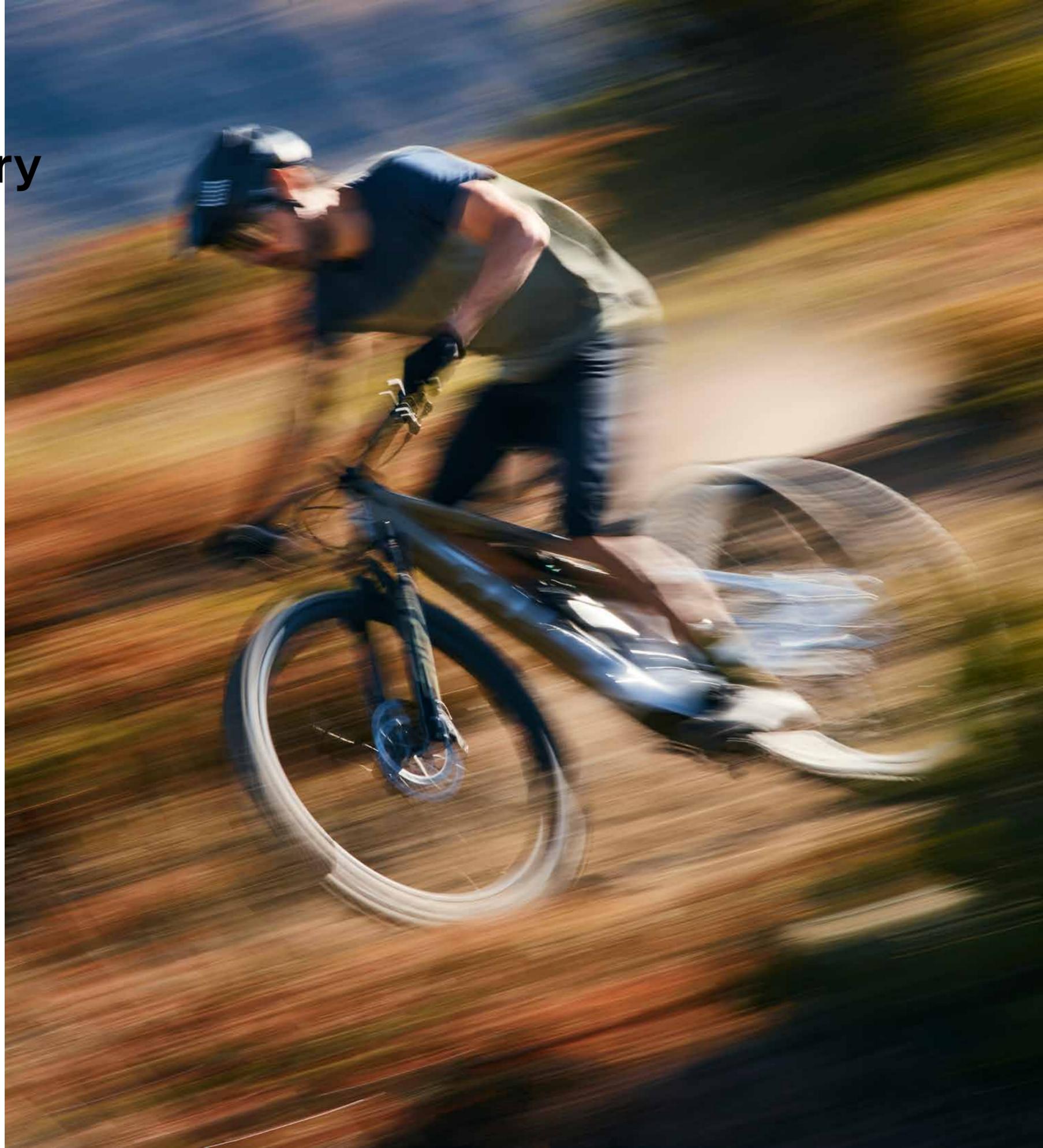


Designed to optimize the riding experience, the TQ-HPR50 system arrives with the harmonic **pin-ring transmission**, accompanied by a **360 WH battery**, a **2" fully integrated display**, and a **minimalistic handlebar remote**. This **lightest e-bike system** in its class, weighing just 3.900 grams altogether, is sure to amplify your trail game.

The overall size and weight of the drive unit allow for a ground-breaking natural ride feel. Each component is designed for the TQ-HPR50 system to improve the riding experience and create a bike that **feels like riding on the fittest day of your life**.

# Fourstroke AMP LT Geometry

Size	S	M	L	XL
Rider Height cm	<172	172-182	180-188	>188
Stack mm	594	605	615	627
Reach mm	437	457	476	496
Seat Tube mm	420	430	470	490
Top Tube mm	574	597	620	644
Head tube mm	90	102	113	125
Seat angle°	77	77	77	77
Head Tube Angle°	66.5	66.5	66.5	66.5
Rear Center mm	435	435	435	435
Front center mm	725	751	775	800
Wheelbase mm	1157	1178	1202	1227
BB drop mm	40	40	40	40
Fork length mm	531	531	531	531
Fork rake mm	44	44	44	44
Trail mm	115	115	115	115
Standover Height mm	730	730	730	730
Crank Length mm	165	170	170	170
Stem Length mm	40	50	50	60
Stem Angle°	6	6	6	6
Bar Width mm	760	760	760	760
Bar Rise mm	20	20	20	20
Bar Sweep°	7.5	7.5	7.5	7.5
Seatpost Offset mm	0	0	0	0
Seatpost Drop mm	100	150	170	170



# Fourstroke AMP LT LTD



<b>Drive Unit</b>	TQ-HPR50 Drive Unit
<b>Battery Pack</b>	TQ 360 Wh Battery
<b>Drive Unit Control</b>	TQ V01 Remote
<b>Display</b>	TQ VO2 Display, 2" O-LED, Bluetooth / ANT+
<b>Charger</b>	TQ HPR-50 4A Charger
<b>Frame</b>	Fourstroke LT AMP Carbon <ul style="list-style-type: none"> <li>· APS Suspension System, 120mm Travel</li> <li>· Integrated Battery</li> <li>· Fully Guided Internal Cable Routing</li> <li>· Post Mount Disc</li> <li>· 12x148mm Boost Thru-Axle</li> </ul>
<b>Fork</b>	Fox Float 34 SC Factory, Kashima Coating, FIT4
<b>Seatpost</b>	Rockshox Reverb AXS
<b>Shock</b>	Fox Float DPS Factory, Kashima Coating, EVOL LV
<b>Handlebar</b>	BMC MRB01 Carbon 760mm
<b>Stem</b>	Truativ Atmos 7K
<b>Saddle</b>	Fizik Antares R5
<b>Gears</b>	1x12
<b>Crankset</b>	Praxis Carbon eCrank / SRAM X Sync 34T
<b>Cassette</b>	SRAM XX1 XG-1299 Eagle 10-52T
<b>Chain</b>	SRAM XX1 Eagle
<b>Rear Derailleur</b>	SRAM XX1 EAGLE AXS
<b>Shifters</b>	SRAM AXS Controller
<b>Brakes</b>	SRAM G2 Ultimate, SRAM Centerline Rotors (180/180)
<b>Rims</b>	DT Swiss XRC 1200 Wheelset, 30mm Inner Width
<b>Hubs (F/R)</b>	DT Swiss 180 Straightpull, Ratchet EXP 36
<b>Tires</b>	Maxxis Rekon 2.4" TR EXO
<b>Sizes</b>	S, M, L, XL
<b>Colour</b>	Deep Purple & Black
<b>Tire Clearance</b>	60 mm (Measured Width)
<b>ASTM Classification</b>	Level 4
<b>Weight Limit</b>	110 Kg
<b>Price</b>	€ 13'999.00 / CHF 14'999.00 / \$ 14'999.00

# Fourstroke AMP LT ONE



<b>Drive Unit</b>	TQ-HPR50 Drive Unit
<b>Battery Pack</b>	TQ 360 Wh Battery
<b>Drive Unit Control</b>	TQ V01 Remote
<b>Display</b>	TQ VO2 Display, 2" O-LED, Bluetooth / ANT+
<b>Charger</b>	TQ HPR-50 4A Charger
<b>Frame</b>	Fourstroke LT AMP Carbon <ul style="list-style-type: none"> <li>· APS Suspension System, 120mm Travel</li> <li>· Integrated Battery</li> <li>· Fully Guided Internal Cable Routing</li> <li>· Post Mount Disc</li> <li>· 12x148mm Boost Thru-Axle</li> </ul>
<b>Fork</b>	Rock Shox SID SL Select+
<b>Seatpost</b>	Bikeyoke Divine
<b>Shock</b>	Rock Shox SIDLUXE Select+
<b>Handlebar</b>	BMC MRB01 Carbon 760mm
<b>Stem</b>	Truvativ Atmos 7K
<b>Saddle</b>	Fizik Antares R5
<b>Gears</b>	1x12
<b>Crankset</b>	Praxis Carbon eCrank / SRAM X Sync 34T
<b>Cassette</b>	SRAM Gx XG-1275 Eagle 10-52T
<b>Chain</b>	SRAM GX Eagle
<b>Rear Derailleur</b>	SRAM Gx AXS Eagle
<b>Shifters</b>	SRAM AXS Controller
<b>Brakes</b>	SRAM G2 RSC, SRAM Centerline Rotors (180/180)
<b>Rims</b>	DT Swiss XRC 1501 Wheelset, 30mm Inner Width
<b>Hubs (F/R)</b>	DT Swiss 240 Straightpull, Ratchet EXP 36
<b>Tires</b>	Maxxis Rekon 2.4" TR EXO
<b>Sizes</b>	S, M, L, XL
<b>Colour</b>	Sand & White
<b>Tire Clearance</b>	60 mm (Measured Width)
<b>ASTM Classification</b>	Level 4
<b>Weight Limit</b>	110 Kg
<b>Price</b>	€ 9'999.00 / CHF 10'499.00 / \$ 10'999.00

# Fourstroke AMP LT TWO



<b>Drive Unit</b>	TQ-HPR50 Drive Unit
<b>Battery Pack</b>	TQ 360 Wh Battery
<b>Drive Unit Control</b>	TQ V01 Remote
<b>Display</b>	TQ VO2 Display, 2" O-LED, Bluetooth / ANT+
<b>Charger</b>	TQ HPR-50 4A Charger
<b>Frame</b>	Fourstroke LT AMP Carbon <ul style="list-style-type: none"> <li>· APS Suspension System, 120mm Travel</li> <li>· Integrated Battery</li> <li>· Fully Guided Internal Cable Routing</li> <li>· Post Mount Disc</li> <li>· 12x148mm Boost Thru-Axle</li> </ul>
<b>Fork</b>	Rock Shox SID SL Select+
<b>Seatpost</b>	X-Fusion Manic
<b>Shock</b>	Rock Shox SIDLUXE Select+
<b>Handlebar</b>	BMC MRB03 760mm
<b>Stem</b>	Truativ Atmos 6K
<b>Saddle</b>	Fizik Antares R7
<b>Gears</b>	1x12
<b>Crankset</b>	Praxis eCrank 34T
<b>Cassette</b>	SHIMANO SLX 12 spd 10-51T
<b>Chain</b>	SHIMANO Deore 12 spd
<b>Rear Derailleur</b>	SHIMANO XT 12spd
<b>Shifters</b>	SHIMANO SLX Rapidfire Plus
<b>Brakes</b>	SHIMANO SLX/SM-RT66 Rotors (180/180)
<b>Rims</b>	DT Swiss M 1900 Wheelset, 30mm Inner Width
<b>Hubs (F/R)</b>	DT Swiss 370, Ratchet LN18
<b>Tires</b>	Maxxis Rekon 2.4" TR EXO
<b>Sizes</b>	S, M, L, XL
<b>Colour</b>	Carbon & Red
<b>Tire Clearance</b>	60 mm (Measured Width)
<b>ASTM Classification</b>	Level 4
<b>Weight Limit</b>	120 Kg
<b>Price</b>	€ 7'999.00 / CHF 8'699.00 / \$ 8'999.00

# Fourstroke AMP LT THREE



<b>Drive Unit</b>	TQ-HPR50 Drive Unit
<b>Battery Pack</b>	TQ 360 Wh Battery
<b>Drive Unit Control</b>	TQ V01 Remote
<b>Display</b>	TQ VO2 Display, 2" O-LED, Bluetooth / ANT+
<b>Charger</b>	TQ HPR-50 4A Charger
<b>Frame</b>	Fourstroke LT AMP Carbon <ul style="list-style-type: none"> <li>· APS Suspension System, 120mm Travel</li> <li>· Integrated Battery</li> <li>· Fully Guided Internal Cable Routing</li> <li>· Post Mount Disc</li> <li>· 12x148mm Boost Thru-Axle</li> </ul>
<b>Fork</b>	Rock Shox SID RL
<b>Seatpost</b>	BMC MSP03 - 31,6mm - 0mm Offset
<b>Shock</b>	Rock Shox SIDLUXE Select+
<b>Handlebar</b>	BMC MRB03 760mm
<b>Stem</b>	Truativ Atmos 6K
<b>Saddle</b>	Fizik Antares R7
<b>Gears</b>	1x12
<b>Crankset</b>	Praxis eCrank 34T
<b>Cassette</b>	SHIMANO Deore 12 spd 10-51T
<b>Chain</b>	SHIMANO Deore 12 spd
<b>Rear Derailleur</b>	Shimano SLX 12 spd
<b>Shifters</b>	SHIMANO SLX Rapidfire Plus
<b>Brakes</b>	SHIMANO SLX/SM-RT66 Rotors (180/180)
<b>Rims</b>	Alex MD30, 30mm Inner Width
<b>Hubs (F/R)</b>	Shimano MT400 (F) / MT410 (R)
<b>Tires</b>	Maxxis Rekon 2.4" TR EXO
<b>Sizes</b>	S, M, L, XL
<b>Colour</b>	Iron Grey & Black
<b>Tire Clearance</b>	60 mm (Measured Width)
<b>ASTM Classification</b>	Level 4
<b>Weight Limit</b>	120 Kg
<b>Price</b>	€ 6'899.00 / CHF 7'499.00 / \$ 7'299.00

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