

GREVIL F WHITE PAPER

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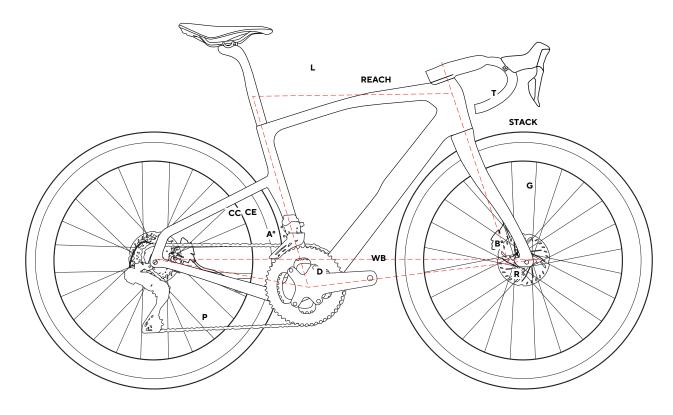
. PRODUCT MISSION

The new generation of Grevil F is lighter, faster, and designed to be ridden for days on end. No matter the conditions or the duration of the race, the bike's versatility provides the perfect solution to help you compete to win. The modular design of the Grevil F's accessories allows you to store all tools and nutrition essentials you will need to access easily during the course of extended races or events.

2. CUSTOMER PROFILE AND REQUIREMENTS

For riders deeply motivated to win long distance races in all conditions. They require maximum customization options according to the duration of the race and the terrain. They highly value having a bike that is light, responsive, and fun, while still being capable enough to load a lot of race supplements to accommodate long distance racing.

3. SPECIFIC GEOMETRY FOR LONG DISTANCE OFF ROAD HANDLING



CE	сс	L	I	A [°]	B [°]	Р	т	D	R	G	WB	REACH	STACK
410	470	530	125,6	74,5	70,25	430	115	72	55	405	1023,5	368,4	553,2
440	500	545	137,8	74	70,5	430	130	72	55	405	1034,2	376,1	568,3
470	530	558	148,3	73,75	70,75	430	150	67	55	405	1047	383,7	583,2
490	550	570	156,2	73,5	71,75	430	160	67	50	405	1043	390,4	598,4
510	575	587	168,1	73	72	430	175	67	50	405	1053,1	398,2	613,6
545	600	607	180,4	72,5	72,25	430	195	67	50	405	1065,5	406,9	633,7

CE: SEATTUBE CENTER - END | CC: SEATTUBE CENTER - CENTER | L: TOPTUBE CENTER - CENTER | AP: SEATTUBE ANGLE | BP: HEADTUBE ANGLE | P: CHAINSTAY | T: HEADTUBE | D: BB DROP | R: FORK RAKE | G: FORK HEIGHT | REACH | STACK



1. HEADTUBE AND SEATTUBE ANGLES: The geometry of the frame is specially designed to offer maximum comfort and performance on rough terrain. The angles of the seattube and headtube have been designed to ensure a position in the saddle that allows perfect control and comfort on the bike over long distances. Developed to allow you to keep power on the pedals even over rough terrain, the geometry enables you to get the most speed out of your effort deep into ultra-endurance events.

Everything is designed to achieve total comfort and control over long distances on rough terrain: Headtube angle, seattube angle, fork rake, frame wheelbase.



2. COCKPIT: All Gravel F models use a two-piece handlebar/ stem set up. The F5 – F7 – F9 models are equipped with a lightweight carbon handlebar, while the F1 – F3 use aluminum handlebars. The decision to use the two-piece bar-andstem with a round headtube is deliberate to allow riders to customize the cockpit dimensions to their individual needs.





3. FORK RAKE: The Grevil F fork comes in two sizedependent rakes. The size 470-500-530 frames have a fork with a 55 mm rake and the size 550 – 575 - 600 frames have a fork with a 50 mm rake. Significantly, the new Onda Fork offers a greatly improved dampening effect to ensure optimum traction on rough trails.

4. BIGGER BOTTOM BRACKET: The new bottom bracket area for the Grevil F has significantly increased in size compared to the previous iteration of the frame to improve power transmission and stiffness when pedaling.

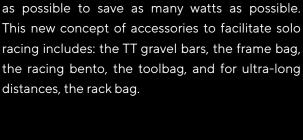
5. COMFORT: The new Grevil F is much more comfortable than the previous version. Improved comfort is essential for races lasting more than 5 hours and appreciated on rough gravel sections and fast descents as a way to reduce fatigue.

6. IMPROVED CAPABILITY: The new Grevil F has been designed to excel on all terrains. It feels smooth on fast gravel sections and excels at negotiating mixed gravel, loose rocky sections, and muddy sections.

4. AERODYNAMICS



2. TICR: The Grevil F features our innovative integrated cable routing system. It seamlessly hides the cables to help save watts and keep a clean look, without compromising bar and stem fit options.



1. SOLO DYNAMICS: The aerodynamics of the new Grevil F are designed to excel in long-distance solo races. Precisely for this reason we have developed all the accessories to be as aerodynamic





3. DOWNTUBE: The downtube has been specially designed to improve aerodynamic efficiency when using 750 ml bottles. The inclusion of storage space, easily accessible without having to remove the bottle cage, to fit an integrated tool bag inside the downtube removes the need to use a saddle bag, which also improves aerodynamics to save precious watts.



5. THE ART OF SCULPTING

1. SLEEKLY SCULPTED SEATPOST: A new seatpost has been designed for this project. The tube section, and the shape more generally, has been specially designed to ensure increased comfort by finding the right balance between stiffness, aerodynamics, and vibration absorption. Maintaining a correct position on the saddle even when riding on uneven terrain allows you to apply the most consistent power to the pedals.



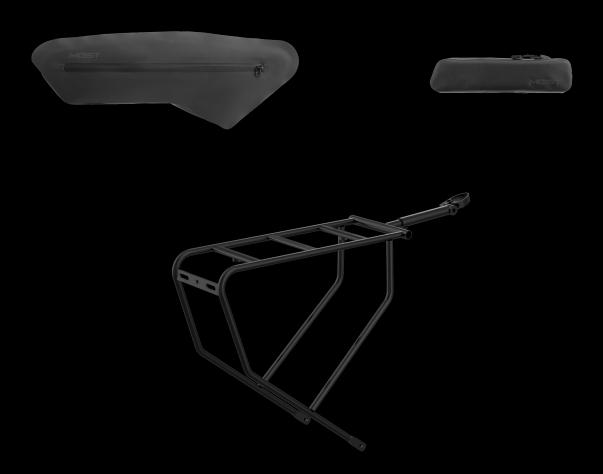
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6. AERO LOAD SYSTEM

1. FRAME BAG: Aero-optimized frame bag capable of holding up to 1.5 liters, which is essential for a 5+ hour race.

2. RACING BENTO: Narrow and lightweight bento bag is custom made with a deliberately slim profile to avoid friction with the knees while pedaling. It holds everything you need for races under 5 hours.

3. AERO BIKE RACK: Aero-optimized bike rack for your longest races. The design helps reduce fatigue thanks to improved aerodynamics and increased balance. The bike rack securely attaches to the frame to eliminate any unsteady sensations, ensuring a feeling of total stability even on super rough trails. Max load of 15 kg for a 12 liter bag.



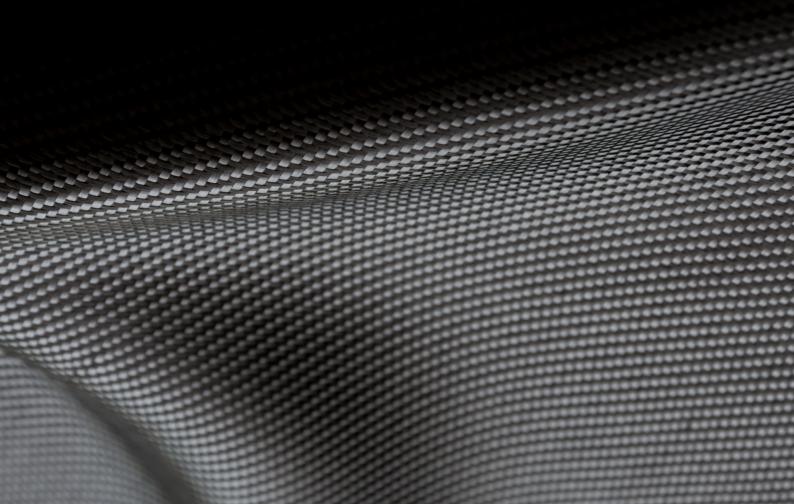


7. LIGHTWEIGHT

1. T 900 UD: This carbon offers the supreme balance between reactivity, dampening capabilities, and low weight for competition. Used on the F9 and F7 models.

2. T700 UD: The secret of T700 UD Toray Carbon is its ability to maintain reactivity and performance while offering exceptional dampening to absorb all road vibrations. More comfort, more fun. Featured on the F5 and F3.

3. T 600: A comfort-optimized carbon fiber structure with a unidirectional finish, the T 600 absorbs all road vibrations to enhance the level of fun and comfort on every ride. Used only on the F1.



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1. MAXIMUM AND MINIMUM CHAINRING SIZES: For a double chainring: 50T x 34T max. With a single chainring there are no size limitations.

2. MAXIMUM TIRE SIZE: One of the main objectives of the project was to make the bicycle extremely versatile and therefore make the frame compatible with the largest possible range of tire width options. Consequently, the Grevil F can accommodate knobby tires from 32 mm to 50 mm for 700c wheels front and rear.



3. GRAVEL ACCESSORIES:

Racing bento box: Racing bento box: Narrow and lightweight, the bento bag is custom made with a deliberately slim profile to avoid friction with the knees while pedaling.

Toolbag: The new toolbag slides seamlessly into the downtube. The bag has specific compartments for a CO2 cartridge, tire levers, inner tube TPU, a Most mini pump, and a CO2 valve.

Iron 8: The new Iron 8 mini-tool is only 56 grams and integrates perfectly with the rear of the downtube cover. With this new lightweight mini-tool you can make all the basic adjustments the bike may require midrace or ride.

Rock protector: To protect the bottom bracket area, we have developed a lightweight protector with a rubberized finish. The protector prevents rocks from damaging the frame and reduces any unsettling noises caused by rock impacts on fast descents.

Frame bag: Designed to be both aero and attach securely, the new frame bag uses a magnetic system from Fidlock to attach to the frame. This lightweight solution ensures total balance and reliability over rough terrain. Ease of use allows fast access for quick service stops during races.

Aero bike rack: Aero optimized bike rack for your longest races. The design helps reduce fatigue thanks to improved aerodynamics and increased balance. The bike rack securely attaches to the frame to eliminate any unsteady sensations, ensuring a feeling of total stability even on super rough trails. Max load of 15 kg for a 12 liter bag.

Chainstay protector: To protect the carbon chainstay, we have borrowed from our mountain bikes and developed a protective strip that sticks onto the drivetrain side chainstay to mitigate the impact and noise of chain slap over rough terrain.

4. SUPPORTS UDH: The Grevil F remains at the forefront of drivetrain innovations with its UDH compatibility. Designed specifically for the SRAM 13-speed groupsets, the Universal Derailleur Hanger offers cross-brand compatibility and works with all wireless drivetrains currently on the market.



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