

SCALINI

AERO CONCEPT

Weight: 8.83kg (Size:50cm)

SPEEDKIT
COOL ESSENTIALS

Aerofoil seatpost
Fore/Aft adjustable saddle sliding rail

Surface

Tube profiles have a smooth transition at junctions, with no disruptive profiles, to aid the airflow over the frame. Tube profiles are aerofoil inspired to control the boundary layer separation of the airflow. Aerofoil profiles are well suited for their low drag coefficients. The design reduces the pressure drag between the frame and the stem, compared to traditional applications.

“Reduced frontal area and streamline integration, are at the heart of what gives the Scalini its advantage. Modular design allows for ease of disassembly and a complete tailored spectrum.”

Constructed through expanded polystyrene (EPS) moulding. Preform moulding allows precise, uniform (wrinkle-free) and repeatable execution of the lay-up schedule. Uniform fibers increase strength reducing irregularities.

Anti-slip wedge seatclamp hidden inside the frame. This provides aerodynamic advantages and shaves some weight over a standard external seatclamp.

Interference:

A leading edge fairing design on the seat tube, controls the airflow around the rear wheel, reducing the interference drag on the rear wheel. The integrated stem reduces interference drag between the frame and the stem, compared to traditional applications.

Scalini has an external fork steerer. Instead of the traditional rounded head tube, an external head tube allows for the frame leading edge to be far more streamlined. Resulting in a smaller frontal area, a more streamlined profile, and ultimately decreased Form Drag on the leading edge. The stem is integrated into the top tube, further reducing the frontal area Form drag. The handlebar clamp is further streamlined, to reduce exposed area.

Integrated Aero Direct mount brakes

The front brake caliper is tucked behind the fork, to reduce the interference drag the component will typically generate, mounted on the front. Trailing edge integration The rear brake caliper is tucked under the bottom bracket, to reduce the interference drag the component will typically generate, mounted on the seat stays. Trailing edge integration.

Ultegra Crankset and Derailleur Enabled with 11-Speed Ultegra/Dura-Ace, paired with BB86, it provides the optimum platform for light gear control and efficient power transfer.



Adjustable cockpit

Tilt adjustment for extension bars, 10 ° adjustment. Spring-loaded quick-release on the brake lever Carbon Fibre brake lever blade
Stack adjustment of stem and extension bars w/ spacers

The Scalini is designed to meet the highest demand for Triathletes and Time-trialists alike. In a discipline of marginal gains, the design is outright optimized around performance. When it comes to breaking through the air barrier, we have left no stone unturned addressing Form, Surface and Interference Aerodynamic challenges.

*Scalini TT is available as a frame only option

Artisan hand built wheels

Scalini features Hand built Vision wheels. Vision sealed cartridge alloy hubs with aero bladed spokes on Vision TriMAX Semi-deep section 45mm rims.

Storage compartment and accessory mounts

Custom SB seat post storage system. Aero integrated to work with frame profiles. Top Tube bolt boss for Bento box or water bottle. Two water bottle bosses inside the main triangle.

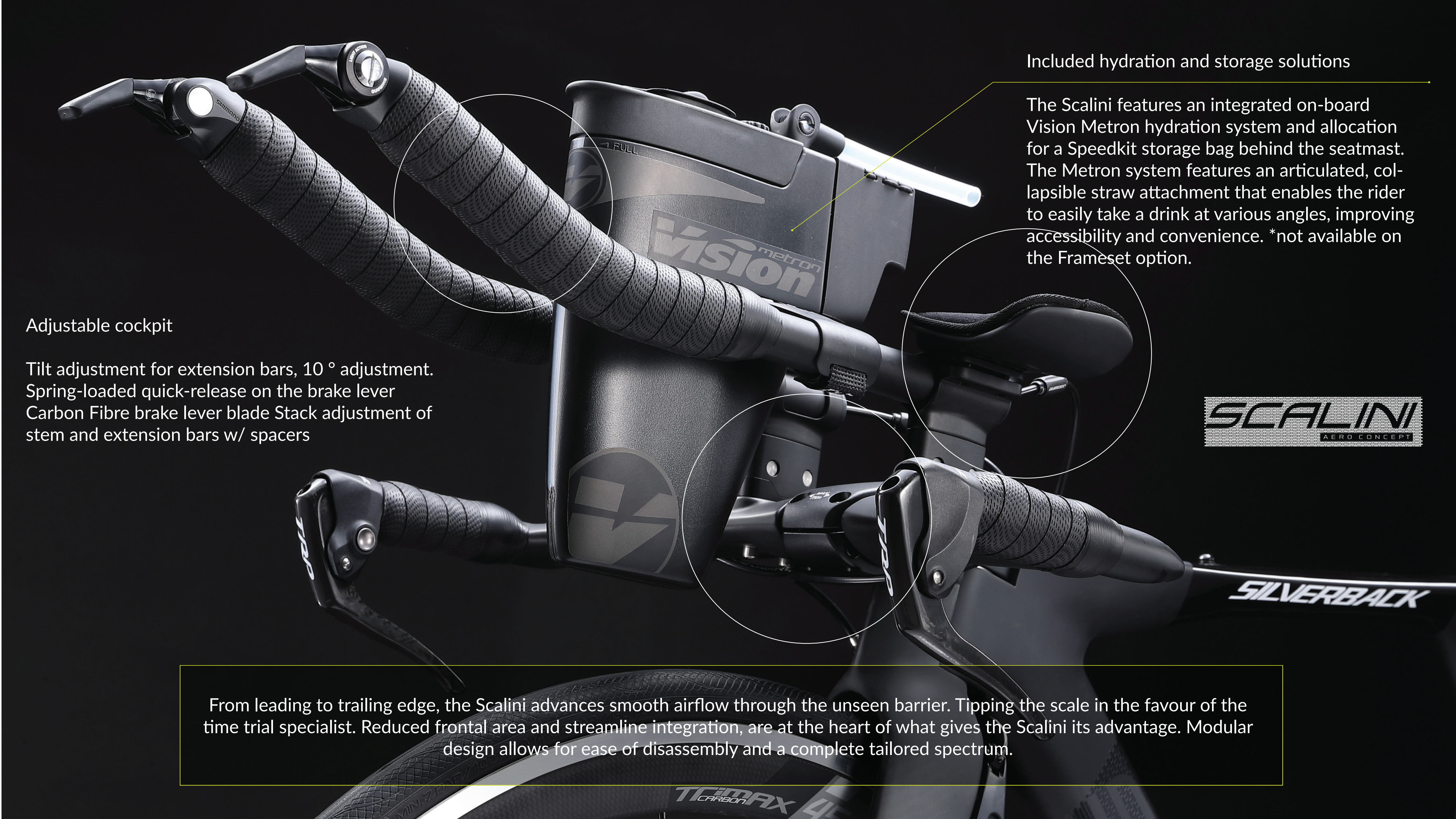
Packing optimized cable routing

Semi-internal housing allows for relative ease of disassembly for packing.

Geometry

The longer wheelbase in conjunction with the super low stack height and steeper seat tube means the Scalini TT geometry places the rider in a more aerodynamic position, improving the combined aerodynamic efficiency of the bike and rider as a unit.





Included hydration and storage solutions

The Scalini features an integrated on-board Vision Metron hydration system and allocation for a Speedkit storage bag behind the seatmast. The Metron system features an articulated, collapsible straw attachment that enables the rider to easily take a drink at various angles, improving accessibility and convenience. *not available on the Frameset option.

Adjustable cockpit

Tilt adjustment for extension bars, 10 ° adjustment.
Spring-loaded quick-release on the brake lever
Carbon Fibre brake lever blade
Stack adjustment of stem and extension bars w/ spacers



From leading to trailing edge, the Scalini advances smooth airflow through the unseen barrier. Tipping the scale in the favour of the time trial specialist. Reduced frontal area and streamline integration, are at the heart of what gives the Scalini its advantage. Modular design allows for ease of disassembly and a complete tailored spectrum.