

BLACK INC INTRODUCES THE HYPER 62: ADVANCED CARBON WHEEL TECHNOLOGY ENGINEERED FOR MAXIMUM SPEED

REPRESENTING A NEW LEVEL OF TECHNICAL OWNERSHIP FOR BLACK INC



[Girona – 23 June 2026] – Black Inc is proud to announce the launch of the all-new HYPER 62 wheelset, a next-generation aerodynamic wheel system developed to deliver uncompromising speed, efficiency, and ride quality through a series of groundbreaking engineering innovations.

Designed for riders seeking the ultimate balance of aerodynamic performance, low weight, and drivetrain efficiency, the HYPER 62 represents a new level of technical ownership for Black Inc.

It is not simply a new rim depth or a lighter version of an existing wheel. It is the result of a multi-year development project focused on proprietary carbon spoke construction, bonded hub architecture, hidden threaded tip integration, and a more complete understanding of how a high-performance wheel behaves under load. The

objective was clear: build a fast wheel that remains useful in the real world of racing, light, laterally responsive, aerodynamically refined, and structurally controlled.



PROPRIETARY CARBON SPOKE CONSTRUCTION

At the heart of the HYPER 62 is Black Inc's proprietary carbon spoke technology. Engineered to deliver a tuned ride quality with a distinct structural character defined by low mass, high lateral response, and controlled behaviour under load.

Rather than using a standard purchased carbon spoke, Black Inc developed its own moulded spoke architecture. This gave the team control over shape, layup, stiffness, strength, and ride character. The team experimented with multiple spoke shapes, widths, stiffnesses, materials, and layups. The goal was to understand how much behaviour could be tuned through the spoke itself, rather than relying on an external spoke technology shared across multiple brands.

Early prototypes were built around 48 mm wheelsets before the project evolved into the deeper HYPER 62 platform. Those first test wheels were extremely light and very stiff, confirming that the concept had potential, while also showing the system needed

further refinement. The Bugatti project then gave the team a reason to accelerate development and turn the concept into a full production programme.

By developing the spoke architecture internally, Black Inc could tune the wheel as a system rather than treating the spoke as a fixed input. The result is a wheel with a distinct structural character: low mass, high lateral response, and controlled behaviour under load.

The result is a wheelset that responds instantly to rider input while maintaining stability at high speeds.



BONDED HUB FLANGE TECHNOLOGY

A key innovation exclusive to the HYPER 62 is its bonded hub flange construction. Rather than relying solely on traditional mechanical interfaces, Black Inc engineers developed a precision bonding process that creates an exceptionally strong connection between the carbon spoke system and hub structure, allowing the carbon spokes and hub structure to operate as a more integrated system.

The hub shell is anodised, then laser-etched in the bond area immediately before assembly, allowing the team to create a clean and controlled surface for bonding. This bonded flange architecture enables more efficient load distribution throughout the wheel, improving stiffness and durability while reducing unnecessary material. The result is a lighter, stronger wheel system capable of withstanding the demands of professional-level racing and high-performance riding.

HIDDEN THREADED TIP INTEGRATION

The HYPER 62 features an innovative hidden threaded tip integration to reduce exposed disruption at the rim and contribute to aerodynamic performance. This was not a simple styling decision. It required a new tooling approach, including moulded pockets and a threaded tip solution that allowed the interface to be integrated more cleanly into the rim.

Unlike conventional exposed spoke nipples, the threaded interface is concealed to create a cleaner aerodynamic profile while preserving serviceability and precise spoke tension adjustment. This advanced integration reduces airflow disruption around the spoke-to-rim junction, contributing to overall aerodynamic efficiency while maintaining the durability and practicality demanded by elite riders.

In a deep-section wheel, the small exposed details matter. The spoke-rim interface is one of the points where airflow can be disrupted. By hiding the threaded tip, HYPER 62 reduces that disruption and gives the wheel a cleaner aerodynamic structure. The result is cleaner airflow around the rim and spoke interface, particularly at higher yaw angles.



AERODYNAMIC PERFORMANCE WITHOUT COMPROMISE

The 62 mm rim profile has been optimised through extensive aerodynamic development to provide exceptional performance across a wide range of wind conditions. The low weight has been maintained through an advanced carbon layup and the use of a TexTreme outer layer. The sidewalls of a deep carbon rim can be extremely thin. If those walls are not properly controlled, they can deform inward and outward under load, tyre installation, or impact.

The TexTreme layer improves wall stiffness to ensure the structural integrity, while helping to maintain low mass. Combined with the proprietary carbon spokes and refined spoke integration, the HYPER 62 wheels deliver measurable reductions in aerodynamic drag while maintaining predictable handling characteristics and resistance to the loads that deep rims experience in real use.

Every component of the wheelset has been designed as part of a fully integrated system, ensuring that aerodynamic gains, structural efficiency, and ride quality work together to maximise real-world performance.



ENGINEERING THE FUTURE OF SPEED

"With HYPER 62, the goal was to take more control of the system. The spoke, the rim, the hub interface, the bond, all of those details affect how the wheel rides and performs," Graham Shrive, Factor Chief Engineer. "We spent years developing the carbon spoke architecture and the tooling around it because we wanted a wheel that was not just light or deep, but structurally controlled and genuinely fast in the way riders experience it."

The Black Inc HYPER 62 wheelset comes with a Limited Lifetime Warranty and is available through authorised Black Inc retailers and distributors worldwide. For more information, visit www.blackinc.cc.

Price List:

- USA ex VAT: \$3899 USD
- EU inc VAT: €4599 Euro
- EU ex VAT: €3699 Euro
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BLACK INC HYPER 62

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ABOUT FACTOR BIKES

About Factor Bikes

Factor Bikes is a high-performance bicycle manufacturer and engineering-first brand, building the fastest UCI-legal racing bikes in the world. Founded by former professional cyclist and carbon-engineering pioneer, Rob Gitelis, Factor designs, prototypes, and manufactures its frames in-house, enabling unmatched speed of innovation and uncompromising control over performance.

factorbikes.com

About Black Inc

Black Inc is a performance wheel and component manufacturer known for producing some of the world's most aerodynamically advanced and structurally precise systems. Using in-house CFD, FEA, prototyping, and engineering, Black Inc creates wheels and cockpits designed as integrated performance systems for Factor bikes.

Black Inc develops its products through the same process used for Factor frames: advanced simulation, in-house carbon engineering, and real-world validation with WorldTour athletes. Its portfolio includes aerodynamic road wheels, integrated cockpits, gravel components, and the ZERO Track, used in the Olympic-record-breaking team pursuit program.

Black Inc aims to deliver class-leading aerodynamic efficiency, stiffness-to-weight performance, and race-proven integration for riders who demand the fastest equipment possible.

<https://blackinc.cc/>

CONTACT DETAILS

Alexandra Hédreul

Alexandra@factorbikes.com

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