

The True Aero Edge



Starting with a Mavic Ksyrium as baseline and assuming an output of 300 watts. All numbers are calculated at a 10° relative wind angle at 30 mph with Fabian Cancellara on his Cervelo P3 pedaling at 300 watts. All test were conducted using Team CSC Vittoria tires (Zipp Tangente Tires can save an additional 3-9 seconds or 1-3 watts). Numbers are based on rider on bike data – not wheel only data. Note: If you are going slower, the total savings are greater as you will be riding for a longer time.



We've long applied mathematical models to predict how much time is saved using one wheel over another based on wheel only data from the wind tunnel. Traditionally, the numbers are given in time savings per 40k or time savings per 100 miles. In an effort to further hone the math models, Zipp put Fabian Cancellara in the tunnel on his road bike with various wheelsets to show the relative advantages of each. Compared to a high end aluminum wheel set with a bladed spoke, our math model predicted that 404s would have a 58 second advantage per 40k based on wheel only data. The actual wind tunnel data on Fabian in the tunnel, yielded a drag difference of 62 seconds per 40k using a standard pair of 404s, verifying that the wheel only data can be used to predict performance to a relatively high degree of accuracy.

San Diego Low Speed Wind Tunnel Feb 15, 2007. The first true negative drag number ever recorded for a bike wheel.



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Speed Shop Tailored Wheelsets

Because, in the pursuit of excellence, one size does not fit all.

Take a good look around you at the start line of any event and you quickly realize competitors come in all shapes and sizes and have an amazing array of personal preferences when tackling the same course. This means there is absolutely no “one size fits all” in aerodynamic bicycle wheels.

This is why we created Zipp Speed Shop. To give you the option of mixing and matching front and rear wheels to create the perfect wheelset for your needs and the riding conditions you face – whether you’re a petite woman who’s far more comfortable climbing than tackling a crosswind or 6’ 5” IM age grouper who couldn’t blown off the course by a hurricane, we can match you up with the right wheel for your riding style, goals, terrain and preferences.

Want a 4 on the front and an 8 on the rear for rapid acceleration and wicked aerodynamics? We’ll make it happen. Time to pull out the “quiver” for the regional time trial? The Sub-9 can be paired with a multitude of front wheels to give you the ultimate advantage.

Overwhelmed by the options? Don’t know where to start? Talk to your local Zipp dealer or reach out to us. Our staff of wheel experts eat, breathe, and sleep carbon wheels every day and are happy to make recommendations. We can also point you in the direction of the nearest Zipp demo dealer so you can try before you buy.

You want to win. We want to give you the tools for the job. Sounds like the perfect partnership.

Speed Shop Rear Wheels



4 The heart of the 404, this, 58mm wheel is a great match with a 3 front for a win-win in lightweight and aerodynamics.



8 The wheel of choice for IM World Champions and the top professional cyclist. Pair this wheel with the 4 and smoke the competition.



10 Reach deep for more speed with this incredibly fast, super-aerodynamic wheel that is new to the Zipp line-up. Match this with the 8 or 4 in front and make your way to the podium.



Disc The tubular is the pro cyclist time trial wheel of choice. Match either disc with the 10, 8, or 4 and...you guess the rest.



Sub-9 The fastest wheel in the world. Ridden to an 70.3 Ironman World Championship by Andy Potts. Pick from the 3, 4, 8, or 10 and turn up the heat.



Speed Shop Front Wheels



3 Pairing the front 3 with a 4 in the back is a classic combination of light-weight, speed and control. Designed by Zipp – proven in the toughest races in the world.



4 More wins than any wheel in the Zipp line-up. Put this wheel on the front with an aerodynamic selection of the 8, 10, Disc, or Sub-9 on the rear and hold on.



8 8 on the front and a Disc on the back... a classic combination of speed with the world’s fastest time trial to show for it!



10 Look out minute-man – the 10 is Zipp’s deepest, non-disc wheel and it is pure speed. Pair with a 10, Disc, or Sub-9 on the rear and you’ve have the ultimate speed weapons.



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Disc + 4