A LEAP FORWARD IN ALUMINUM. Designed for racing and extremity training, the 108 balances performance and reliability. Its 3mm profile is deep enough to take advantage of Zipp’s aero technologies while lacking the complexity whether it weighs just 1,080 grams. Because its 1mm inner tubular shim shape is narrower at the brake track than in the middle of the rim, the 108 can be used safely with 21mm and 23mm race tires—unlike non-toroidal rims of similar width.

VERACITITY ENDUES. Today’s 808 incorporates all the advances we’ve made in recent years, like fully toroidal rim profiles, the third generation of our ABLC dimples, and the 88/188 hubset. Our premier front wheel after the 808 comes together to impact impressive results, like stage wins from sprinter Theo Hesjedal and cyclist Nicki Sorensen at the 2009 Tour de France, and Craig Alexander’s 2009 victory in Kona.

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A WELL ROUNDED SPECIALIST. To get to the base of the climb, the 808’s 3mm tubular profile rolls on the flats as efficiently as many 45-50mm rims. After the summit, the 202’s high lateral stiffness will keep the 808 glued to the road when climbing and yields a comfortable ride. This makes it the ideal choice for long-course triathletes to bounce out of T2 with fresh legs after a blistering bike split.

VERSATILITY ENDURES. Today’s 404 incorporates all the advances we’ve made in recent years, like fully toroidal rim profiles, the third generation of our ABLC dimples, and the 88/188 hubset. Our premier front wheel after the 808 comes together to impact impressive results, like stage wins from sprinter Theo Hesjedal and cyclist Nicki Sorensen at the 2009 Tour de France, and Craig Alexander’s 2009 victory in Kona.

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WE TAME THE WIND. An omnipresent force shaping the outcome of every race, the wind is an enemy to most of the field. But to those who can harness the power of aerodynamics, the wind is an advantage. Every Zipp product reflects this attitude. In practice, it means that our engineers test hundreds of concepts through computational fluid dynamics before spending days or end in the wind tunnel with dozens of samples, including non-structural models that can be reshaped on the spot. A single trip can involve more than 48 wheels and more than 100 tests at every wind angle a rider is likely to encounter. When the turbines stop spinning, we’ll have a detailed view of each test subject’s performance. Some will return as final prototypes to confirm our original findings before going to production. The rest will go to the scrap pile, having done their part to develop the next generation of Zipp wheels, bars, and cranks.

TANGENTE TIRES

THE TIME HAS COME. Tire aerodynamics haven’t received the attention they deserve. After all, your tires have the highest velocity of any part of your bike, and the front tire is your machine’s leading edge. But Zipp has always recognized the tire’s importance, and our Tangente tire is the first to be developed in the wind tunnel. The 21mm version of Tangente employs our patented ABLC dimples to save up to 9 seconds over 40km compared to a traditional “file” tread pattern. No other tire can touch the Tangente at that width, even when paired with a fully toroidal Zipp rim. Created in partnership with Vittoria, the Tangente’s unique rubber compound and 290tpi casing offer world-class cornering and comfort.

THE TRUE aERO EDgE

Available in 21mm and 23mm widths in both tubular and clincher versions. Zipp Tangente tires can be purchased at your local bike shop or store.zipp.com.

For the aerodynamic information: Time and watt savings over 40K are calculated using a top-selling aluminum race wheel as the 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 Cervélo P3 pedaling at 300 watts. All tests were conducted with 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’re going slower, the total savings are greater, as you’ll be riding for a longer time.

Visit zipp.com for the most current products and technical specifications.

Photos: Tim De Waele, Chris Milliman, and Joe Vondersaar.

Zipp Speed Weaponry: 1180 Main Street / Speedway, IN 46224 / 1-800-472-3972 / www.zipp.com

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